<u>City Council</u> Mayor Patrick Slayter Vice Mayor Neysa Hinton Michael Carnacchi Una Glass Sarah Glade Gurney



<u>Planning Director</u> Kari Svanstrom <u>Assistant Planner</u> Dana Morrison <u>Administrative Assistant</u> Rebecca Mansour

City of Sebastopol Design Review Board Staff Report

Meeting Date:	October 17, 2018
<u>Agenda Item</u> :	8A
<u>To</u> :	Design Review Board
<u>From</u> :	Dana Morrison, Assistant Planner
<u>Subject</u> :	Design Review Amendment- HVAC/Roof and Lighting Plan
Recommendation:	Approval with Conditions
<u>Applicant/Owner:</u>	Piazza Hospitality Group / Bella Commercial Management, LLC/Marigold
	LLC
File Number:	2018-86
<u>Address</u> :	6828/6826/6824 Depot Street and 215/225 Brown Street
CEQA Status:	Mitigated Negative Declaration
<u>General Plan</u> :	Central Core
Zoning:	CD: Central Core

Introduction:

On December 7, 2016, the Design Review Board approved the overall design of the proposed Hotel Sebastopol, with lighting and mechanical equipment slated to return at a future meeting for review. Additionally, the applicant has modified the rooftop design to include a new trellis feature. This is an application requesting a Design Review Amendment for approval of the HVAC/Roof plan and lighting plan for the Hotel. The applicant will be returning at a later date for Design Review approval of the solar/carport structures proposed for the adjacent parking lot.

Project Description:

The project involves the development of a 66-room hotel, which will consist of multiple buildings, ranging from two to four stories with a height of 50 feet at its highest elevation. The hotel will contain the following amenities and mix of uses: a lobby and reception area, hostel rooms, retail space, artist-maker studios, restaurant, bar, lounge, wellness center, public courtyard, private gardens, outdoor rooftop deck, meeting rooms, and various other hotel amenities.

Roof top deck/trellis:

Originally, the proposed design for the roof top terrace of the hotel had umbrellas to provide shade. The applicant has since redesigned to include a roof top trellis to be able to accommodate additional solar equipment. The proposed design consists of a large roof deck,

made of concrete pedestal pavers, which is proposed to be fitted with a trellis covering approximately 50% of said deck. The trellis will be constructed of weathered steel structural members with solar photo-voltaic panels serving as the roof covering.

The trellis is proposed to be erected near the center of the deck, with setbacks from the building edges as follows: ~ 5 feet from the parapet edge on the McKinley Street side, ~7.5 feet from parapet edge on the Brown Street side, and ~30 feet from the Petaluma Avenue parapet edge. Solar panels will be attached and act as the roof top of the trellis structure. As it is open on all sides, there is concern that noise from patrons of the deck would escape from the sides and reverberate down. An acoustical analysis was submitted by the applicant from Wilson Ihrig (Acoustics, Noise and Vibration) which is included in the attachments at the end of this staff report. The analysis concluded that noise would not be an issue.

The rooftop also includes a concrete fire pit, along with planters made from concrete and weathered steel.

<u>Solar:</u>

Solar is proposed to be located on top of the roof deck trellis (as mentioned above). Solar is also proposed to be located on the restaurant roof (located along Petaluma Avenue and McKinley Street), and the roof of the hotel/spa/hostel/retail/maker spaces (along McKinley Street, Brown Street and Depot Street). The only building massing that will not have solar is the retail/walk-up rooms (the smaller building mass) located on the western side of the project. These are proposed to have green roofs and no solar. Only the solar panels located on top of the restaurant/meeting space will be visible from the ground, as the rest will be obscured by a 42" parapet.

Details and elevations showing the rooftop equipment plan are included in the attachments at the end of this staff report (page DSK-006).

Note, the applicant intends to provide solar on canopies at the parking lot across Brown Street as well. The review of this item will be scheduled at a later date.

HVAC equipment:

Various rooftop HVAC equipment, such as; heat recovery pumps, exhaust fans, utility and roof fans, energy recovery ventilators and one elevator are proposed throughout the project. These are proposed to be located on top of all of the structures, though again this is barring the retail/walk-up rooms located on the western side of the project (which has no HVAC equipment).

Lighting:

The applicant has submitted an extensive lighting plan which details the 16 types of lighting proposed on-site. In addition to detailed site plans, which show the placement of each lighting type (these can be found in the attachments located at the end of this staff report on pages LP.00A, LP.00B, LP.01A, LP.01B and LP5.0B), a booklet containing the cut sheets with detail for each of the proposed lighting types is also included. This booklet includes details regarding the proposed lighting types which consist of the following: tree lighting; landscaping, furniture, and roof deck lighting; exterior wall lighting; column lighting; courtyard lighting; swimming pool lighting; parking lot lighting; and entrance lighting. For details please see the booklet.

General Plan Consistency:

The General Plan Land Use designation for the site is CC: Central Core. The General Plan describes Central Core as the following: "This designation applies to portions of Sebastopol's Downtown and nearby areas. The Central Core designation allows office, commercial and retail uses, as well as mixed-use residential developments. Residential uses are permitted at a density of 15.1 to 44 units per acre if combined with commercial land uses, such as office and retail. Projects shall achieve a minimum FAR of 1.0, and the maximum FAR shall not exceed 2.5 (not including the residential use). This designation is intended to implement the Downtown Plan and enhance the vitality and character of Sebastopol's historic commercial area. Housing is encourage on upper stories." The project does not have any land use implications because it only involves façade improvements (HVAC/Roof and Lighting Plan) for an approved mixed-use building.

The project is subject to the following provisions of the General Plan:

Policy COS 11-7: Restrict outdoor light and glare from development projects to retain the quality of night skies by minimizing light pollution.

Policy COS 11-8: All outdoor lighting shall be constructed with full shielding and/or recessed to reduce light trespass to adjoining properties and to reduce illumination of the night sky. Each fixture shall be directed downward and away from adjoining properties and public rights-of-way, so that no light fixture directly illuminates an area outside of the site.

The property is bordered on all four sides by roadways, so there are no adjacent properties. Most of the proposed lighting is directed downwards and as such minimizes light pollution. Generally, the primary kelvin range used in residential outdoor lighting is between 2500k-4000k. All proposed lighting fixtures fall between 2700-3000 on the kelvin scale. The lighting plan does include some up-cast lighting, these are located in the street trees along Petaluma Avenue and in the interior courtyard of the project. As the street trees are maintained by the City of Sebastopol, there is particular concern regarding the proposed lighting for these street trees and the Board should consider whether it is appropriate to remove these from the lighting plan. Additionally, staff has significant concerns that these lights will contribute to light pollution which would be inconsistent with the General Plan policies listed above. Various conditions have been recommend to ensure that any proposed adjustable light fixtures will be orientated in such a way as to ensure the lights are down cast and reduce light pollution.

Zoning Ordinance Consistency:

The site is located in the CD: Downtown Core District. The Zoning Ordinance states the following: "The CD District is intended to create, preserve, and enhance the downtown area as the historic retail core of Sebastopol." The use is consistent with the CD District in that it involves Design Review amendments to the HVAC/roof plan for an approved transient habitation use with over 50 rooms.

The project is subject to the following provisions of the Zoning Ordinance:

Trellis and Parapet Height:

Development Standard Project

17.64.060 Building Height Main Buildings: 50 Feet - 4 Stories	50 Feet - 4 Stories
17.60.020.B.1 Cornices and parapet height may be permitted to up to three and one-half feet in excess of the applicable height limit	3 and ½ feet (42")

The maximum allowed height for buildings in the Downtown Core is 50 feet - 4 stories. The roof top deck is located on the roof of the 3rd floor, the top of the trellis will be the same height or just below the roof of the 4th floor (permitted to be 50 feet). The applicant has not provided this exact height at the time of compiling this staff report. As such, staff has added a Condition of Approval requiring that the roof of the trellis (including solar) shall not exceed 50 feet in height from grade. The height of the trellis, as conditioned, shall be consistent with the permitted height in the Downtown Core.

The proposed parapets located on the roofs for the buildings along McKinley Street, Brown Street and Depot Street will be 3 and ½ feet in height above the allowed 50 feet. This is consistent with the Zoning Ordinance.

<u>Lighting:</u>

The proposed Lighting Plan appears generally appropriate and consistent with the Zoning Ordinance and General Plan, as it utilizes predominantly downcast lights which reduce light pollution. All proposed lighting is between 2700 Kelvin and 3000 Kelvin, an ideal range; temperatures 3000K and below are considered warmer. As values decrease, the light assumes a more amber tone. The lamp colors listed in the Lighting Fixture Schedule are warm white LEDs or amber LEDs; all proposed lighting is LED.

There are some lights which are proposed to be up-cast, these are located in trees along the properties perimeter, in the central courtyard of the project, and near the restaurant entries. These are intended to illuminate the trees and create ambiance. A number of the other proposed light fixtures are adjustable and, if angled incorrectly, could cause light pollution. These issues will be addressed below in the analysis section and various conditions are recommended to prevent this from occurring.

Public Comment:

The Planning Department has not received any comments from the public as of writing this staff report.

City Departmental Comment:

The Planning Department circulated the application to the following City departments for review: Building and Safety, Engineering, and Fire. The Planning Department has not received any City departmental comments as of writing this staff report; barring that the Building Official commented that the parking lot design with solar carports still needs to be reviewed and approved by the Board (this will be returning to the Board at a later date). The Planning Department Use Permit conditions of approval address requirements of City departments.

Required Findings:

Section 17.310.030.B.2 of the Zoning Ordinance establishes the following Design Review Procedure: In considering an application for design review, the Design Review Board, or the Planning Director, as the case may be, shall determine whether:

- a) The design of the proposal would be compatible with the neighborhood or and with the general visual character of Sebastopol.
- b) The design provides appropriate transitions and relationships to adjacent properties and the public right of way.
- c) It would not impair the desirability of investment or occupation in the neighborhood.
- d) The design is internally consistent and harmonious.
- e) The design is in conformity with any guidelines and standards adopted pursuant to this Chapter.

Analysis:

The design of the rooftop deck and trellis appear to be internally compatible and harmonious with the originally approved plans as it creates shaded outdoor seating available to all Sebastopol residents and not just patrons of the hotel. The design of the roof deck also appears to be harmonious with the proposed building in that it requires no additional changes to the buildings structure, and only includes the addition of a trellis and planters. The outdoor patio also appears to have a harmonious relationship with the proposed building in terms of scale in that it is not disproportionately large or small. Visibility from the street is minimized by stepping the trellis back from the building's edge of roof such that the trellis will not be visible from street level from nearby properties. The roof top trellis is consistent with the height requirement, as conditioned (COA 1.a), and is not likely to cause undue noise disturbances per the acoustical analysis submitted.

The project also appears to be internally consistent with the same parapet screening utilized throughout the project which adequately screens the roof top mounted equipment; with the exception of the restaurant rooftop which is sloped and has no screening.

The proposed tree strap mounted lighting fixture (L1) raises two concerns. First, the street trees are maintained by the City of Sebastopol, as these light fixtures are strapped onto the tree's themselves and would require occasional adjustments. Additionally, the up-cast angle of these fixtures is likely to cause light pollution inconsistent with the General Plan policies COS 11-7 and 11-8. As such, Planning staff feels that it is appropriate to remove the proposed L1 lighting fixtures from the Lighting Plan (Condition of Approval [COA] #1.b).

The proposed lights for the roof top garden are also a concern (L12). While staff does not recommend removal of these light fixtures from the Lighting Plan, it is recommended that the proposed L12 be replaced with a fixture that includes a 90 degree cutoff (COA 1.g). Fixture selection would be submitted for staff review and approval prior to installation. Proposed light fixtures L4, L6, L7, L8, L14, L15 and F39 also raise concerns as these are all adjustable lights which could potentially be orientated in such a way as to cause light pollution inconsistent with the General Plan. Staff is recommending COA 1.c-1.i to address this concern.

The Lighting Plan, with the removal of the L1 fixture and the added conditions pertaining to L4, L6, L7, L8, L12, L14, L15 and F39 which ensure adjustable lights are aimed appropriately, and other lights include cutoffs or shields, appears to be consistent, compatible and harmonious in that the proposed lighting will have a unified theme throughout the property and the light fixtures are placed appropriately, with consideration given to the placement of lighting fixtures to reflect the light away from public streets. The proposed light fixtures are generally directed downward and away from adjoining properties and public rights-of-way, so that no light fixture directly illuminates an area outside of the site; conditions of approval have been added to ensure that this is the case for any light fixture which is adjustable.

The finish for the light fixture types has not been confirmed at this time. This is something that the Board could require the applicant to return for review, or alternatively could require that the final lighting finishes be reviewed and approved by Planning staff.

The proposed HVAC/Roof Plans and Lighting Plan for the Hotel Sebastopol project appear appropriate with minor modifications to address light pollution issues. The majority of the Design Review for the building was approved in 2016; this application addresses design details which are predominately not viewable to the public, or even to patrons of the hotel. The proposed rooftop HVAC equipment is well screened and the parapet which provides said screening is consistent with the Zoning Ordinance. This project will substantially contribute to the downtown, by virtue of its design, mix of uses, and public improvements. Overall, the requested amendments appear appropriate; the project is also subject to an extensive number of conditions to ensure its appropriate development. Finally, the project promotes the community desire for Sebastopol to remain a small town in that it increases the amount of commercial, hospitality and public space in the community through urban infill development on a commercial corridor, renewing a site which has been underutilized in the past decade.

Recommendation:

Staff recommends that the Board receive a presentation from the applicant, conduct a review, deliberate, and approve the HVAC/Roof and Lighting Plan (as adjusted) based on the facts, findings, and analysis set forth and subject to the recommended conditions of approval contained in this staff report.

The Board may find that additional information or revisions are necessary and a continuance is appropriate. If the Board is not prepared to act on the Design Review approval, staff recommends that the Board provide specific direction for any informational requests or redesign to the applicant in the event of a continuance, or provide a rationale in the event the Board determines denial is appropriate.

Attachments:

- Master Planning Application Form
- Acoustical Analysis
- Site Aerial
- Site Photos
- Design Review Submittal- HVAC/Roof top and Lighting Plans
- Lighting Fixture Schedule Booklet

City Hall, 7120 Bodega Avenue, Sebastopol, CA 95472

T 707-823-6167 / F 707-823-4721 / dmorrison@cityofsebastopol.org / www.ci.sebastopol.ca.us

DESIGN REVIEW AMENDMENT PERMIT: HVAC/Roof and Lighting Plan 2018-86 6828, 6236, 6824 Depot Street Hotel Sebastopol- Mixed Use

Recommended Findings for Approval:

- The project was the subject of an Initial Study and Mitigated Negative Declaration prepared in compliance with the California Environmental Quality Act, which was certified by the Planning Commission on September 27, 2016; the MND did not identify any significant environmental issues or impacts in terms of the hotel operation and the IS found the project will have a less-than-significant impact as it relates to community risk cause by construction activities, after mitigation measure are implemented.
- 2. That the project is consistent with the General Plan in that it involves the development of a hotel project through infill development and is harmonious with the existing downtown area, which are reflected in goals and policies of the Land Use Element and Community Design Element, as evaluated in the MND, and the Design Review Board and Planning Commission staff reports.
- **3.** That the project is consistent with the Zoning Ordinance in that it involves the development of a hotel, restaurant, and retail mixed-use development, which is classified as a conditionally permitted use in the Central Core District, which has received a Use Permit from the Planning Commission, and which is consistent with the applicable development standards as conditioned.
- 4. That overall this project will substantially contribute to the downtown, by virtue of its design, mix of uses, and public improvements. Overall, the requested amendments are appropriate.
- 5. That the project and the subsequent amendments is beneficial to the neighborhood and greater Sebastopol in that it revitalizes and beautifies a highly visible site that has sat vacant for a number of years and was identified by the City as a key site for redevelopment more than 25 years ago.
- 6. That the design of the rooftop deck and trellis are internally compatible and harmonious with the originally approved plans as it creates shaded outdoor seating available to all Sebastopol residents and not just patrons of the hotel.
- 7. That the design of the roof deck is harmonious with the proposed building in that it requires no additional changes to the buildings structure, and only includes the addition of a trellis and planters. The roof deck and trellis have a harmonious relationship with the proposed building in terms of scale in that it is not disproportionately large or small.
- 8. That the project is internally consistent with parapet screening utilized throughout the project which adequately screens the roof top mounted equipment; with the exception of the restaurant rooftop which is sloped and has no screening. The parapet screening height is consistent with the Zoning Ordinance.

- 9. That the Lighting Plan, as conditioned will be consistent, compatible and harmonious in that they will have unified theme throughout the property and are placed appropriately, with consideration given to the placement of (non-sidewalk) lighting fixtures to reflect the light away from public streets. That the proposed light fixtures are generally directed downward and away from adjoining properties and public rights-of-way, so that no light fixture directly illuminates an area outside of the site. There are a few exceptions, where upward casting light is proposed. These are mainly located in the central courtyard area of the project and are utilized for visual effect; and in the street trees along Petaluma Ave. These lights are intended to illuminate the trees and should create an appealing night time ambiance for the site.
- **10.** That overall the proposed HVAC/roof top plans and lighting plan for the Hotel Sebastopol project are appropriate.

RECOMMENDED CONDITIONS OF APPROVAL

- 1. The plans and project materials stamped received on September 13, 2018, prepared by David Baker Associates and on file at the City of Sebastopol Planning Department are approved with the following modifications:
 - a) The roof of the trellis (including solar) shall not exceed 50 feet in height from grade.
 - b) L1 light fixtures shall be removed from all street trees in the project. Any L1 fixtures proposed for other trees shall not be aimed at any open sky areas, and shall be maintained in such a way as to not cause harm or restrict tree normal growth.
 - c) L4 fixtures shall be aimed such that the light lands only on fixed horizontal or vertical surfaces, and shall not be aimed at any open sky areas.
 - d) L6 fixtures shall be aimed such that, should the light permeate through the trees canopy, the light would fall only on fixed horizontal or vertical surfaces of the subject property, and shall not be aimed such that any light pollutes the sky above the roof of the structures.
 - e) L7 fixtures shall only be used in a downcast application (aimed below horizontal of mounting) to prevent light pollution.
 - f) L8 fixtures shall only be used in a downcast application, and shall be aimed such that light would fall only on fixed horizontal or vertical surfaces of the subject property, and shall not extend beyond any roof parapet.
 - g) L12 fixture shall be replaced with a fixture that includes a 90 degree cutoff. Fixture selection shall be submitted for staff review and approval prior to installation.
 - h) L14 fixtures shall have a 90 degree cutoff.
 - i) L15 fixtures shall include a lens or light shield such that light would fall only on fixed horizontal or vertical surfaces of the subject property.

City Hall, 7120 Bodega Avenue, Sebastopol, CA 95472 T 707-823-6167 / F 707-823-4721 / <u>dmorrison@cityofsebastopol.org</u> / <u>www.ci.sebastopol.ca.us</u>

- j) F39 light fixtures shall only be used in a downcast application, and shall be aimed such that light falls on fixed horizontal or vertical surfaces of the subject property.
- k) The applicant shall submit details regarding the selected finishes for the lighting plan which shall be reviewed and approved by Planning staff.
- 2. Approval is valid for three (3) years, except that the applicant may request a one (1) year extension of this approval from the Planning Director, pursuant to Section 17.250.050 of the Zoning Ordinance.
- **3.** All conditions of approval for Use Permit and Design Review approval for application 2016-57 shall remain applicable.
- **4.** All construction shall conform to the approved plans, unless the design is modified by the Design Review approval. The applicant shall obtain a Building Permit prior to the commencement of construction activities.
- 5. The City of Sebastopol and its agents, officers and employees shall be defended, indemnified, and held harmless from any claim, action or proceedings against the City, or its agents, officers and employees to attach, set aside, void, or annul the approval of this application or the environmental determination which accompanies it, or which otherwise arises out of or in connection with the City's action on this application, including but not limited to, damages, costs, expenses, attorney's fees, or expert witness fees.
- 6. The Planning Director shall interpret applicable requirements in the event of any redundancy or conflict in conditions of approval.
- 7. This approval does not include any signs. Any new signs that will identify the use of this property are subject to the prior approval of the Design Review Board or City staff, as appropriate.



City of Sebastopol

Planning Department 7120 Bodega Avenue Sebastopol, CA 95472 (707) 823-6167 (Phone) or (707) 823-1135 (Fax) www.ci.sebastopol.ca.us

MASTER PLANNING APPLICATION FORM

FOR CITY USE ONLY **PROJECT INFORMATION:** PLANNING FIL 6828/6826/6824 Depot Street & 215/225 Brown ADDRESS: See tree Sebastopol, CA 95472 DATE FILED: removal 004-052-001, 004-061-007, & 004-061-008 PARCEL #: 004-061-009 & 004-061-010 TOTAL FEES P **RECEIVED BY** 004-052-001 = 51,851sf PARCEL 004-061-007/008 = 12,460sf DATE APPLIC AREA: 004-061-009/010 = 9,470sf DEEMED COMPLETE

OWNER OF PROPERTY

APPLICANT OR AGENT:

Piazza Hospitality Group (Paolo Petrone)	IF OTHER THAN APPLICANT: Name:
naolo@hotelbealdeburg.com	Email Address:
	Mailing Address:
ip: Healdsburg, CA 95448	City/State/Zip:
415-302-2697	Phone:
707-433-3269	Fax:
cense #:	Business License #:
	Signature:
08-31-2018	I certify that this application is being made with my consen Date:
	paolo@hotelhealdsburg.com 414 Healdsburg Ave ress:

OTHER PERSONS TO BE NOTIFIED: (Include Agents, Architects, Engineers, etc.).

Name: David Bake	er Architects (Brett Randall Jones)	Name:	N/A
Email Address:	brettjones@dbarchitect.com	Email Address:	N/A
Mailing Address:	461 2nd Street, Loft c-127	Mailing Address:	N/A
City/State/Zip:	San Francisco, CA 94107	City/State/Zip:	N/A
Phone:	415-799-4581	Phone:	N/A
Fax:	415-896-6103	Fax:	N/A

PROJECT DESCRIPTION:

DESCRIBE IN DETAIL, the proposed project and permit request. (Attach additional pages, if needed): The project's proposed uses include a 66-room hotel, hotel amenity spaces, restaurant, meeting/event space, wellness center, gardens, & retail/artist/maker space. The site layout strives to spread the project's uses over the site in several smaller buildings that vary in height, type, bulk, & aesthetics, in order to fit well within the context of smaller-scale buildings in downtown Sebastopol. The buildings all face their respective street frontages and surround both a public courtyard plaza and private gardens. The project is also set back from the property lines to provide generous sidewalks and save the existing street trees.

This application includes the checklist for the type of application requested:

X No

Yes

Please indicate the type(s) of application that is being requested (example: Use Permit, Design Review, Variance, Planned Community Rezone, etc.):

Design Review for miscellaneous items (See attached letter for scope)

Please describe existing uses (businesses, residences, etc.) and other structures on the property:

DEVELOPMENT DATA:

SQUARE FEET BUILDING EXISTING:	Osf	🕅 N/A
SQUARE FEET BUILDING DEMOLISHED:	Osf	🖄 N/A
SQUARE FEET BUILDING NEW:	65,854sf	□ N/A
NET CHANGE IN BUILDING SQUARE FEET:	65,854sf	🗆 N/A
	O Bedrooms	□ 1 Bedrooms
NUMBER OF DWELLING UNITS EXISTING:	🔲 2 Bedrooms	3 Bedrooms
	4+ Bedrooms	KI N/A
	0 Bedrooms	🗔 1 Bedrooms
NUMBER OF DWELLING UNITS PROPOSED:	2 Bedrooms	3 Bedrooms
	4+ Bedrooms	🖾 N/A
NET CHANGE IN DWELLING UNITS:		KI N/A
	<u>Existing</u> :	Proposed:
Setbacks:	Front Yard Side Yard	Front Yard Side Yard
	Rear Yard	□ Rear Yard
	🕅 N/A	X N/A

		009/010 = 9,470sf			
004-052-007/0 Front: 120.19	Rear: 110.45'	Front: 98.17 Rear: 91.7' Left: 95.34' Right: 104.49 EXISTING LOT DIMENSIONS:	Front: <u>119.85'</u>	Rear. 217.6'	
Left: 108.0' Front: 120.19'	Right: 108.0' Rear: 110.45'		Left: <u>345.05</u> * Front: <u>119.85</u> '	Right: <u>287.18'</u> Rear: <u>217.6'</u>	A
Left: 108.0'	Right: 108.0'	PROPOSED LOT DIMENSIONS:	Left: <u>345.05'</u>	Right: <u>287.18'</u>	□ N/ A
12,460sf 00	9/010 = 9,470sf	Existing Lot Area:	_51,851sf Square F	Feet	A N/
	9/010 = 9,470sf	PROPOSED LOT AREA:	51,851sf Square F	Feet	□ N/ A
N/A N/A		Building Height:	Existing:	Proposed:	□ N/ A
N/A		NUMBER OF STORIES:	Existing: 1	Proposed:4	□ N/ A
N/A		PARKING SPACE (S):	Existing: 9	Proposed: 118	□ N/ A
		Zoning	Existing:CD	Proposed: <u>CD</u>	□ N/ A
W	/ill the project inv	olve a new curb cut or drive		X Yes	□ No
A	re there existing	easements on the property?	?	凶 Yes	□No
۲۲ - ۱۳ - ۱ - ۱	Ali street trees will (5) naturally-grown Type: Unknown Size (Dia): 13-20"	cribe (Example: Type, Size be preserved upon inspection mative trees will be removed o	by an arborist.	· · · · · · · · · · · · · · · · · · ·	□ No
W If j	-	scaping be revised? are footage of new or revise	d landscaping?	X) Yes	□ No
		2 1 2 9 1 3 2 U .			
W	ill Signs be Chan	ged or Added?		X Yes	□ No
Bu	siness: Hours of	Operation? Open: 24/7	Close:N/A	-	
	alcohol service p	-		🖾 Yes	□ No
		State alcohol license is pro			-
		plied to the State Alcoholic I	-		X No
		nt, café or other food service	e, bar, or nightclub, please		
	any live entertain res, please descr	ibe: <u>N/A</u>		Yes	XI No

INDEMNIFICATION AGREEMENT

As part of this application, applicant agrees to defend, indemnify, release and hold harmless the City, its agents, officers, attorneys, employees, boards and commissions from any claim, action or proceeding brought against any of the foregoing individuals or entities, the purpose of which is to attack, set aside, void or annul the approval of this application or the adoption of the environmental document which accompanies it or otherwise arises out of or in connection with the City's action on this application. This indemnification shall include, but not be limited to, damages, costs, expenses, attorney fees or expert witness fees that may be asserted by any person or entity, including the applicant, arising out of or in connection with the City's action on this application, whether or not there is concurrent passive or active negligence on the part of the City.

If, for any reason any portion of this indemnification agreement is held to be void or unenforceable by a court of competent junsdiction, the remainder of the agreement shall remain in full force and effect.

<u> </u>	08-31-2018	-
Applicant's Signature	Date Signed	Planning File Number

NOTE: The purpose of the indemnification agreement is to allow the City to be held harmless in terms of potential legal costs and liabilities in conjunction with permit processing and approval.

NOTICE OF MAILING:

Email addresses or facsimiles will be used for sending out staff reports and agendas to applicants, their representatives, property owners, and others to be notified.

gn and acknowledge you have been notified of the Notice of Mailing for applications and Please vided an email address or fax number. hav

Signature

4010 Petron Printed Name

NOTE: It is the responsibility of the applicant and their representative to be aware of an abide by City laws and policies. City staff, Boards, Commissions, and the City Council will review applications as required by law; however the applicant has responsibility for determining and following applicable regulations.

NEIGHBOR NOTIFICATION

In the interest of being a good neighbor, it is highly recommended that you contact those homes or businesses directly adjacent to, or within the area of your project. Please inform them of the proposed project, including construction activity and possible impacts such as noise, traffic interruptions, dust, larger structures, tree removals, etc.

Many projects in Sebastopol are remodel projects which when initiated bring concern to neighboring property owners, resident and businesses. Construction activities can be disruptive, and additions or new buildings can affect privacy, sunlight or landscaping. Some of these concerns can be alleviated by neighbor-to-neighbor contacts early in the design and construction process.

It is a "good neighbor policy" to inform your neighbors so that they understand your project. This will enable you to begin your construction with the understanding of your neighbors and will help promote good neighborhood relationships.

Many times development projects can have an adverse effect on the tranquility of neighborhoods and tarnish relationships along the way. If you should have questions about who to contact or need property owner information in your immediate vicinity, please contact the Building and Safety Department for information at (707) 823-8597, or the Planning Department at (707) 823-6167.

Yes

I have informed site neighbors of my proposed project: No

If yes, or if you will inform neighbors in the future, please describe outreach efforts: We hosted two public community meeting where we presented the project and listened to the community's ideas and concerns. The meetings were advertised in local press. Also, a project notice board will be installed at the project site.

URL for Project Website: http://piazzahospitality.com/hotel-sebastopol/

WEBSITE REQUIRED FOR MAJOR PROJECTS

Applicants for major development projects (which involves proposed development of 25,000 square feet of new floor area or greater, or 25 or more dwelling units), are required to create a project website in conjunction with submittal of an application for Planning approval (including but not limited to Subdivisions, Use Permits, Rezoning's, and Design Review). Required information may be provided on an existing applicant web site.

The website address shall be provided as part of the application. The website shall be maintained and updated, as needed until final discretionary approvals are obtained for the project.

Such website shall include, at a minimum, the following information:

Project description

Contact information for the applicant, including address, phone number, and email address

Map showing project location

Photographs of project site

Project plans and drawings

URL for Project Website: http://piazzahospitality.com/hotel-sebastopol/

Exemption Questionnaire STORM WATER LOW IMPACT DEVELOPMENT

PURPOSE: This questionnaire will determine *whether* or *not* you need to submit the 'Storm Water Low Impact Development Determination Worksheet' as part of this application. Any application that does not contain this questionnaire OR the Determination Worksheet will be deemed incomplete.

PROJECT ADDRESS:

6828/6826/6824	Depot	Street	&	215/225	Brown	Street
Sebastopol, CA	95472					

TYPE OF APPLICATION

Your project is exempt from the 'Determination Worksheet' submittal requirement, if it falls under any of the below listed application categories. However, the City Staff may require the submittal of a 'Determination Worksheet', as determined on a case-by-case basis.

Administrative Review (Interior Improvements or Use)

Sign Review

Temporary Use Permit

Time Extension Request

Tree Removal Permit

Zoning Determination or Interpretation

The project is exempt from the 'Storm Water Low Impact Development Determination Worksheet' submittal requirement as determined by City Staff.

I certify this information:

N/A, We believe that we are required to submit the 'Storm Water Low Impact Development Determination Worksheet' as part of this application. See the Storm Water Low Impact Development Determination Worksheet on Page 12

APPLICANT SIGNATURE

PRINTED NAME

DATE



Yes 🗌 No 🗌

Storm Water Low Impact Development Manual

Purpose: Use this form to determine *whether* or *not* this project will need to incorporate permanent Storm Water Best Management Practices (BMPs) and submit a Standard Urban Storm Water Mitigation Plan (SUSMP).

Applicability: Required with all Master Planning Application Forms. Information presented on this worksheet must reflect final development conditions.

PART 1: INFORMATION

Applicant Name	Piazza Hospitality Group (Paolo Petrone)	Engineer Name	
Mailing Address	414 Healdsburg Ave	Mailing Address	
City	Healdsburg	City	
State Zip Code	CA, 95448	State Zip Code	
Phone	415-302-2697	Phone	
Fax	707-433-3269	Fax	
Email	paolo@hotelhealdsburg.com	Email	

Mo Project Engineer

Project Description

Project Name	Hotel Sebastopol	
Site Address	6828/6826/6824 Depot Street & 21	5/225 Brown Street, Sebastopol, CA 95472
1. Total Project Area:		
052-001 = 51,851sf 061-007/008 = 12,460sf Square Feet 061-009/010 = 9,470sf	OR: Acre(s)	
2. Existing Land Use(s): (Che	ck all that apply)	
Commercial	Office	Industrial
Residential	Community Facilities	Other

Description of buildings and site features:

	004-052-001: Currently, there is an	n existing one-story, gabled-roof metal build	ang occupied by Sebastopol Tractor
	Company that is about 23,814sf. T	here is also a small concrete parking area a	along Depot Street. The remainder of
	the site is vacant and covered in in	termittent gravel/paving used mostly for eq	uipment storage and tractor parking.
	004-061-007/008/009/010: Current	ly covered by gravel parking lot.	
3.	Existing Impervious Surface	e Area:	
052-00	01 = 51,851sf		
061-00 061-00)7/008 = 12,460 sf Square Feet)9/010 = 9,470sf	or: Acres	
4.	Proposed Land Use(s): (Ch	eck all that apply)	
	M Commercial	□ Office	Industrial
	Residential		Transient Habitation
	□ Residential	Community Facilities	Transient Habitation Other involving 50 or more room
	Description of buildings a	nd site features:	other <u>involving 50 or more room</u>
	Description of buildings a	Ind site features:	other <u>involving 50 or more roo</u> g
	Description of buildings a	nd site features:	other <u>involving 50 or more room</u>
	Description of buildings a The project proposed a 68,825sf bu meeting/event space, wellness cent	ind site features: nilding consisting of a 66-room hotel, hotel a ter, gardens, & retail/artist/maker space.	M Other involving 50 or more room
	Description of buildings a The project proposed a 68,825sf bu meeting/event space, wellness cent	Ind site features: Inding consisting of a 66-room hotel, hotel a ter, gardens, & retail/artist/maker space. In space including streetscape, a public co	M Other involving 50 or more room
	Description of buildings a The project proposed a 68,825sf building/event space, wellness cent The remainder of the site will be ope	Ind site features: Inding consisting of a 66-room hotel, hotel a ter, gardens, & retail/artist/maker space. In space including streetscape, a public co	M Other involving 50 or more room
Ту	Description of buildings a The project proposed a 68,825sf building/event space, wellness cent The remainder of the site will be ope	Ind site features: Inding consisting of a 66-room hotel, hotel a ter, gardens, & retail/artist/maker space. In space including streetscape, a public co	M Other involving 50 or more room
Ту	Description of buildings a The project proposed a 68,825sf bu meeting/event space, wellness cent The remainder of the site will be ope private gardens. The open space wi	Ind site features: Inding consisting of a 66-room hotel, hotel a ter, gardens, & retail/artist/maker space. In space including streetscape, a public co	M Other involving 50 or more room
Ту	Description of buildings a The project proposed a 68,825sf bu meeting/event space, wellness cent The remainder of the site will be ope private gardens. The open space wi	Ind site features: Inding consisting of a 66-room hotel, hotel a ter, gardens, & retail/artist/maker space. In space including streetscape, a public co	M Other involving 50 or more room
Ту	Description of buildings a The project proposed a 68,825st build meeting/event space, wellness cent The remainder of the site will be oper private gardens. The open space will the project proposed a 68,825st build private space, wellness cent The remainder of the site will be oper private gardens. The open space will the project proposed a 68,825st build meeting/event space, wellness cent The remainder of the site will be oper private gardens. The open space will the project proposed a 68,825st build meeting/event space, wellness cent The remainder of the site will be oper private gardens. The open space will the project proposed a 68,825st build the proj	and site features: ilding consisting of a 66-room hotel, hotel a ter, gardens, & retail/artist/maker space. en space including streetscape, a public co ill be both pervious and impervious.	Mother involving 50 or more room

Cal Green:

- 1. Does this Project require a non-residential building permit for a newly constructed building without sleeping accommodations?¹
- V YES: This project may need to implement permanent Storm Water BMP's and be designed in accordance with the Storm Water Low Impact Development (LID) Technical Design Manual due to CAL Green requirements. Complete the remainder of this worksheet.
- NO: Complete the reminder of this worksheet.

¹ Additions, alterations, repairs, and existing structures are not subject to the requirements of CAL Green. Please contact the Building and Safety Department for further information on Building Permit requirements.

Section 401:

- 2. Does this Project require a Section 401 Permit?²
 - Yes 🗌 🛛 No 🗹
 - A. **IF YES**: Are any of the following a component of this project? (Check all that apply)
 - □ Soil Disturbance (one or more acre)
 - New Outfall
 - □ New Impervious Surface(s)

If you checked any of the boxes in section 2A, please be advised that this project will require North Coast Regional Water Quality Control Board review and permanent Storm Water BMPs designed in accordance with the Low Impact Development (LID) Technical Design Manual. *Please go to Page 5 and complete the "Acknowledgement Signature" section.*

Initial Determination:

3. Does this Project create or replace 10,000 square feet or more of impervious surface?

YES: Complete the remainder of this worksheet.

□ NO: This Project does not need to incorporate permanent Storm Water BMPs. Please go to Page 5 and complete the "Exemption Signature" section.

PART 3: EXEMPTIONS

 Is this a routine maintenance activity³ that is being conducted to maintain original line (horizontal alignment) and grade (horizontal alignment), hydraulic capacity, and original purpose of facility, such as resurfacing existing roads and parking lots?

Yes 🗌 🛛 No 🗹

2. Is this an emergency activity⁴ required to protect public health and safety?

Yes 🗌 🛛 No 🗹

3. Is this a project undertaken solely to install or reinstall **public utilities** (such as sewer or water lines) that does not include any additional street or road development or development activities?

Yes 🗌 🛛 No 🗹

² A 401 Permit is required from the North Coast Regional Water Quality Control Board (NCRWQCB) if any part of this project is located within or adjacent to "waters of the State" which can be a creek, drainage ditch, wetland or any seasonal waterway. Please contact the North Coast Regional Water Quality Control Board for further information on 401 Permit requirements.

³ "Routine Maintenance Activity": This exemption includes activities such as overlays and/or resurfacing of existing roads or parking lots as well as trenching and patching activities and reroofing activities.

⁴ "Emergency Redevelopment": The Regional Water Quality Control Board must agree that the activities are needed to protect public health and safety to qualify for this exemption.

4. Is this a **reconstruction project**⁵, undertaken by a **public agency**, of street or roads remaining within the original footprint and less than 48 feet wide?

Yes 🗌 🛛 No 🗹

5. Is this a stand-alone pedestrian pathway, trail or off street bike lane?

Yes 🗌 🛛 No 🗹

Did you answer "YES" to any of the above questions in Part 3?

- YES: <u>STOP</u>: This project is exempt and will not need to incorporate permanent Storm Water BMP's. *Please go to Page 5 and complete the "Exemption Signature" section.*
- **NO:** Proceed to Part 4 below to see if this project will need to incorporate permanent Storm Water BMPs.

PART 4: PROJECT TRIGGERS

Requirements: Please answer the following questions to determine whether this project requires permanent Storm Water BMP's and the submittal of a SUSMP.

1. Does this **development or redevelopment project** create or replace a combined total of 1.0 acre or more of impervious surface?

Yes 🗆 🛛 No 🗹

2. Does this project create or replace a combined total or 10,000 feet or more of impervious street, roads, highways, or freeway construction or reconstruction?

Yes 🗌 🛛 No 🗹

3. Does this project include four or more new homes?

Yes 🗌 🛛 No 🗹

4. Is this project an **industrial development** creating or replacing a combined total of 10,000 ft. or more of impervious surface?

Yes 🗌 🛛 No 🗹

5. Is this project a **commercial development** creating or replacing a combined total of 10,000 ft. or more of impervious surface?

Yes 🗹 🛛 No 🗆

6. Is this project a **retail gasoline outlet** creating or replacing a combined total of 10,000 ft. of more or impervious surface?

Yes 🗌 🛛 No 🗹

⁵ "**Reconstruction**": Work that replaces surfaces down to subgrade. Street width is measured from face-of-curb to face-of-curb. Overlays, resurfacing, trenching, and patching are considered maintenance activities and are exempt.

7. Is this project a **restaurant** creating or replacing a combined total of 10,000 ft. or more of impervious surface?⁶

Yes 🗌 🛛 No 🗹

8. Is this project a **parking lot** (not included as part of a project type listed above) creating or replacing a combined total of 10,000 feet or more impervious surface or with 25 or more parking spaces?

Yes 🗹 🛛 No 🗆

9. Is this project an **automotive service facility** creating or replacing a combined total of 10,000 ft. or more or impervious surface?

Yes 🗌 🛛 No 🗹

PART 5: DETERMINATION SIGNATURE

Did you answer "YES" to any of the above questions in Part 4?

- **YES**: The project must implement permanent Storm Water BMPs and be designed in accordance with the Storm Water LID Technical Design Manual. A Preliminary Standard Urban Storm Water Mitigation Plan (SUSMP) must be submitted to the Engineering Department. *Please complete the "Acknowledgment Signature" section.*
- **NO:** The project will <u>not</u> need to incorporate permanent Storm Water BMPs. *Please complete the "Exemption Signature" section.*

Acknowledgment Signature	A 9	
Storm Water Best Manageme	icant, I understand that this project is requ nt Practices and the submittal of a SUSM if the project is subject to these requirem	P. Any unknown responses
	Chols Petterne	(1 1 1 1 (
Applicant Signature	Printed Name	Date
Exemption Signature:		
As the property owner or appli	cant, I understand that this project as cur	rently designed does not
require permanent Storm Wate	er BMPs or the submittal of a SUSMP. I u ermination Worksheet and may require pe	nderstand that redesign may ermanent Storm Water BMPs.

⁶ "Impervious Surface": An area that has been modified to reduce storm water runoff capture and percolation into underlying soils. Such surfaces include rooftops, walkways, and parking areas. Permeable pavements shall be considered impervious for this section if they have sub-drains to preclude infiltration into underlying soils.



City of Sebastopol

ENVIRONMENTAL INFORMATION/ASSESSMENT FORM

(To be completed by applicant)

The submittal information shall be provided to the Planning Department.

Date Filed: _2018-08-31_____

General Information:

- Name of developer or project sponsor: <u>Piazza Hospitality Group (Paolo Petrone)</u> Address of developer or project sponsor: <u>414 Healdsburg Ave, Healdsburg, CA 95448</u>
- 2. Address of project: 6828/6826/6824 Depot Street & 215/225 Brown Street, Sebastopol, CA 95472

Assessor's Block and Lot Number: 004-052-001, 004-061-007, 004-061-008, 004-061-009, & 004-061-010

- 3. Name of person to be contacted concerning this project:: <u>Paolo Petrone</u> Address of person to be contacted concerning this project: <u>paolo@hotelhealdsburg.com</u> Telephone Number of person to be contacted concerning this project: <u>415-302-2697</u>
- 5. List and describe any other related permits and other public approvals required for this project, including those required by City, Regional, State and Federal Agencies:

Design Review (City of Sebastopol)

6. Existing Zoning District: CD Existing General Plan Designation: CD

7. Propose Use of Site (Project for which this form is filed): <u>Transient Habitation involving 50 or more rooms</u>.

PROJECT DESCRIPTION:

.

8.	Site Size:		004-052-001 = 51,851sf 004-061-007/008 = 12,460sf 004-061-009/010 = 9,470sf	-
9.	Square Footage:		68,825sf	
10.	Number of floors of co	nstruction:	4 floors	
11.	Amount of off-street p	arking:	92 spaces	-
12.	Attach plans			
13.	Proposed scheduling	We intend to continue in early 2017, we will	through the various city approvals for the re continue working with the DRB while concurr	mainder of 2016. Starting
14.	Associated project	design and drawings.	Construction start early 2019 for a completio	in date in 2020.
15.	Anticipated increment	al development:		
16.	If residential, include th rents, and type of hous		schedule of unit sizes, range of sale p l.	prices or
17.	If commercial, indicate square footage of sales	the type, whether 1 area, and loading f	neighborhood, city or regionally orie acilities. City & Regionally oriented comme	nted, rcial uses, approx 13,500sf
18.	If industrial, indicate ty	pe, estimated emplo	oyment per shift, and loading facilitie	es.
19.	If institutional, indicate occupancy, loading fac	the major function, lities, and commur	estimated employment per shift, est ity benefits to be derived from the p	imated roject.
20.	If the project involves a		nal use or rezoning application, state	this and

indicate clearly why the application is required. - Use Permit for Transient Habitation involving 50 or more rooms - Zoning Code Amendments (stories/height & tandem parking)

Are the following items applicable to the project or its effects? Discuss below all items checked yes (attach additional sheets as necessary).

	Change in existing features of any bays, tidelands, beaches or hills, or substantial alternation of ground contour.	Yes	No
	Change in scenic views or vistas from existing residential areas or public lands or roads.	Yes	No
23.	Change in pattern, scale or character of general area of project.	Yes	No M
24.	Significant amounts of solid waste or litter.	Yes	No
25.	Change in dust, ash, smoke, fumes or odors in vicinity.	Yes	No
26.	Change in ocean, bay, lake, stream or ground water quality or	Yes	No 🗸

	quantity, or alteration of existing drainage patterns.		6
27.	Substantial change in existing noise or vibration levels in the vicinity.	Yes	No
28.	Site on filled land or on slope of 10 percent or more.	Yes	No
30.	Substantial change in demand for municipal services (police, fire, water, sewage, etc).	Yes	No
31.	Substantially increase fossil fuel consumption (electricity, oil, natural gas, etc).	Yes	No
32.	Relationship to a larger project or series of projects.	Yes	No

Environmental Setting: Currently, there is an existing one-story building. There is also a small concrete parking area and the remainder of the site is vacant and covered in intermittent gravel/paving used mostly for equipment storage and tractor parking. Street trees are present and a few trees on the site; no other plants or animals of note. No cultural, hstorical, or scenic aspects of note. See photos within drawing set.

- 33. Describe the project site as it exists before the project, including information on topography, soil stability, plants and animals, and any cultural, historical or scenic aspects. Describe any existing structures on the site, and the use of the structures. Attach photographs of the site. Snapshots or Polaroid photos will be accepted.
- 34. Describe the surrounding properties, including information on plant and animals and any cultural historical, or scenic aspects. Indicate the type of land use (residential, commercial, etc), intensity of land use (one-family, apartment houses, shops, department stores, etc), and scale of development (height, frontage, set-back, rear yard, etc). Attach photographs of the site. Snapshots or Polaroid photos will be accepted.

	YES	NO
A. Does the Project involve any of the following?	1	
1. No change in the square footage to the existing structure?		V
2. An addition of more than 50% of square footage to the existing structure?		1
3. An addition of more than 2500 square feet to the existing structure?		V
4. An addition of more than 10,000 square feet to the existing structure?		V
5. Demolition of the existing structure?	V	
	YES	NO
B. Does the Project involve the replacement or reconstruction of existing structures or facilities at the site which:	la conservation V	
1. Will have substantially the same purpose and capacity as existing structures at the site?		V
2. Will result in an increase in square footage or capacity as compared to the existing structure?	V	

	YES	NO
C. Does the Project involve new construction of:	V	
1. 35 or more dwelling units?		
2. More than 15,000 square feet of commercial, industrial,		
governmental, or institutional floor area?		V
3. Stores, motels, offices, restaurants, and similar structures	1	
designed for an occupant load of more than 30 persons?		
	YES	NO
D. Does the Project involve division of property into more than		
four parcels or consolidation of more than four parcels?		V
	YES	NO
E. Will the Project require issuance of a Variance, Use Permit,		
Zoning Ordinance Amendment, Zoning Map Amendment, or		
General Plan Amendment?	Ţ	
	YES	NO
F. Will the Project result in a change in use at the site (for		
example: from residential to commercial or from office to		
restaurant?)		
	YES N YES N YES N YES N YES N YES N YES N YES N	NO
G. Is this Project:		1
1. Similar to the other projects for which you have received		
permits in the last two years in the City of Sebastopol?		Carter
2. Similar to other projects, which you are planning to develop		
within two years in the City of Sebastopol?		
	YES	NO
H. Does the Project involve changes to an official City landmark?		
	YES	NO
I. Does the Project involve use of disposal of potentially		
hazardous materials, such as toxic substances, flammables, or		
explosives?		
	YES	NO
J. If the Project is located within 500 feet of a residential zone or		- me or taxator satisfied
noise-sensitive land uses, will the construction of the project		
involve the use of pile driving, night time track hauling, blasting,		\checkmark
24 hour pumping, or other equipment that creates high noise		
levels and or vibrations?		
	YES	NO
K. Does the Project involve the construction, substantial remodel,		
or 50% or more addition to the following types of uses?		N
Mobile home, amphitheater, concert hall, auditorium, meeting		n series and a series of the s
hall, hospital, church, library, school classrooms, or day care?		

form is correct to the best of my knowledge.

_ Applicant Signature

Ι

.

٠

.

Date

(ć

Certification:

I hereby certify that the statements furnished above and in the attached exhibits present the data and information required for this initial evaluation to the best of my ability, and that the facts, statements, and information represented are true and correct to the best of my knowledge and belief.

Date: _____

Signature:		u . 184 Maya	
Printed Name	Pielo	Perpand_	

For: <u>Cralestor</u>



CALIFORNIA WASHINGTON NEW YORK

31 August, 2018

WI #16-068

Brett Randall Jones David Baker Architects 461 Second Street, Loft 127 San Francisco, CA 94107

Subject: Acoustical Analysis – Rooftop Deck and Solar Panel Installation Hotel Sebastopol, Sebastopol, California

Dear Mr. Jones:

We have reviewed the design for the proposed trellis to be fitted with solar panels at the roof deck and carried out preliminary calculations of the expected level of sound that can be expected at the street level when people congregate there.

The proposed design consists of a large roof deck to be fitted with a trellis covering approximately 50% of its area, to be erected near its center. Solar panels will be attached to this trellis which would allow for sound to escape to the sides. With this type of construction, acoustic enhancement effects can be expected due to reverberation between the underside of the panels and the deck surface. However, given the openness of the design, this enhancement is expected to be on the order of 6 decibels or less, depending on location of people under the trellis, which can be considered modest to insignificant.

Further, the roof is surrounded by a 4-1/2 feet tall wood screen which acts as a very effective sound barrier for sounds propagating from the deck towards the street. When this barrier effect is added to the natural sound decay with distance effect, the combined reduction as perceived by receptors located at the street level is on the order of 50 decibels or more.

As a typical male speaker produces about 65 decibels (A-weighted or dBA) at 3 feet, and assuming a group of 10 people talking <u>simultaneously</u> out of a group of 50 attendees to the event, then the expected level of sound at the street level close to the hotel would be on the order of 30 dBA. This is significantly lower than the approximately 50 dBA observed during the quietest times of the night along Petaluma Avenue or the 40 to 45 dBA along McKinley and Depot Streets during the same periods.

Therefore, based on the results of the assessment conducted, we expect for speech sounds due to moderate sized crowds to be virtually inaudible during the quietest hours of the day or night when masking of those speech sounds by traffic and other typical noises in the environment takes place, even when the modest amplification effect due to reverberation created by the solar panel installation is taken into account. WILSON, IHRIG Acoustics · Noise · Vibration ٠

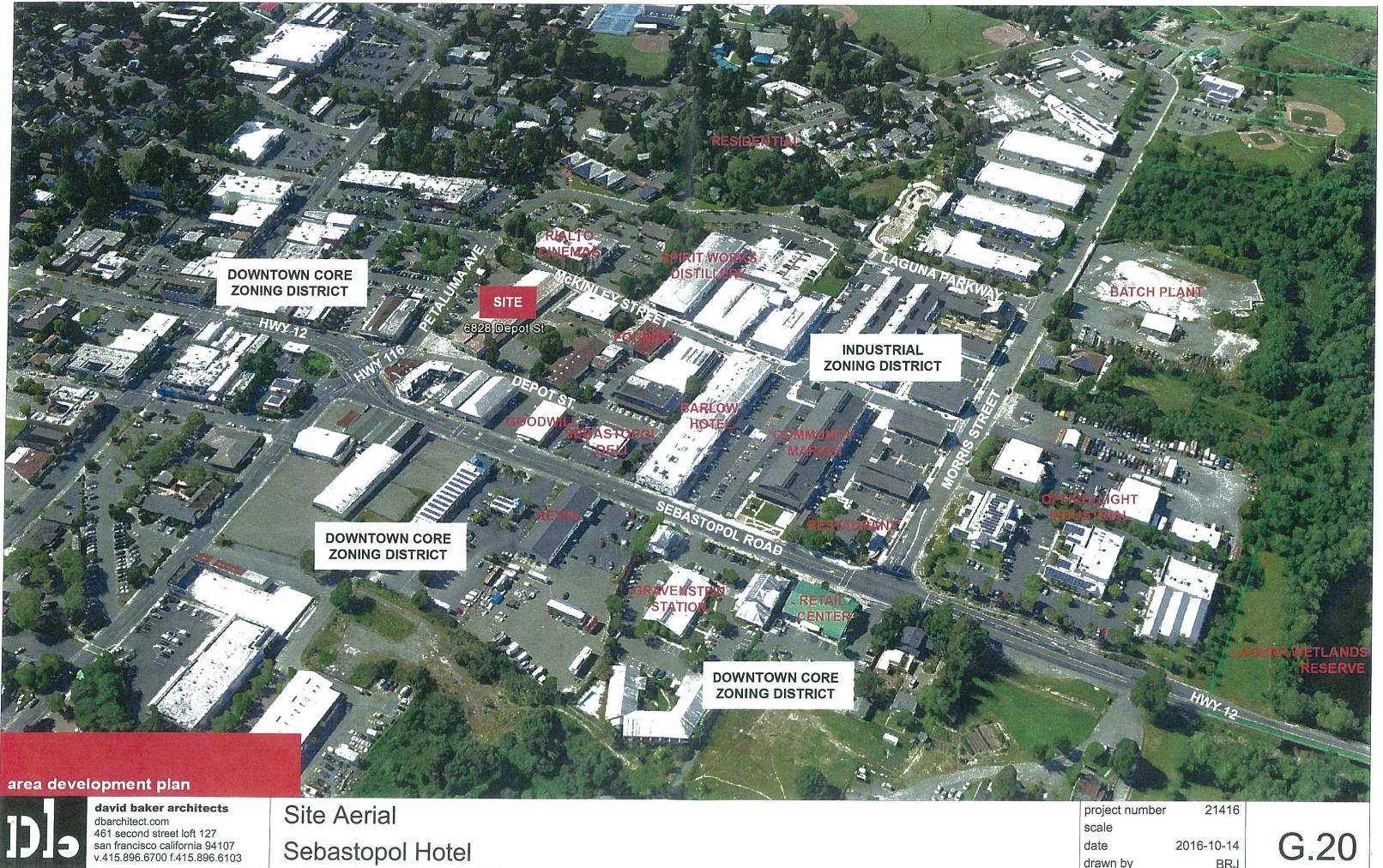
Please do not hesitate to contact me if you have any questions.

Very truly yours

WILSON, IHRIG

Ullu

Pablo A. Daroux, MS (Acoustics) Principal



drawn by

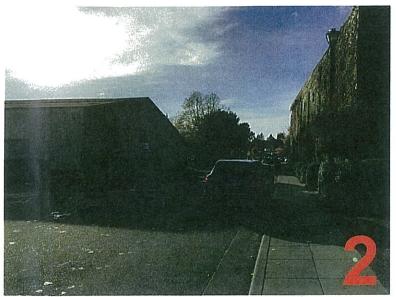
BRJ



Sebastopol Hotel











david baker architects dbarchitect.com 461 second street loft 127 san francisco california 94107 v.415.896.6700 f.415.896.6103 Site Photos Sebastopol Hotel



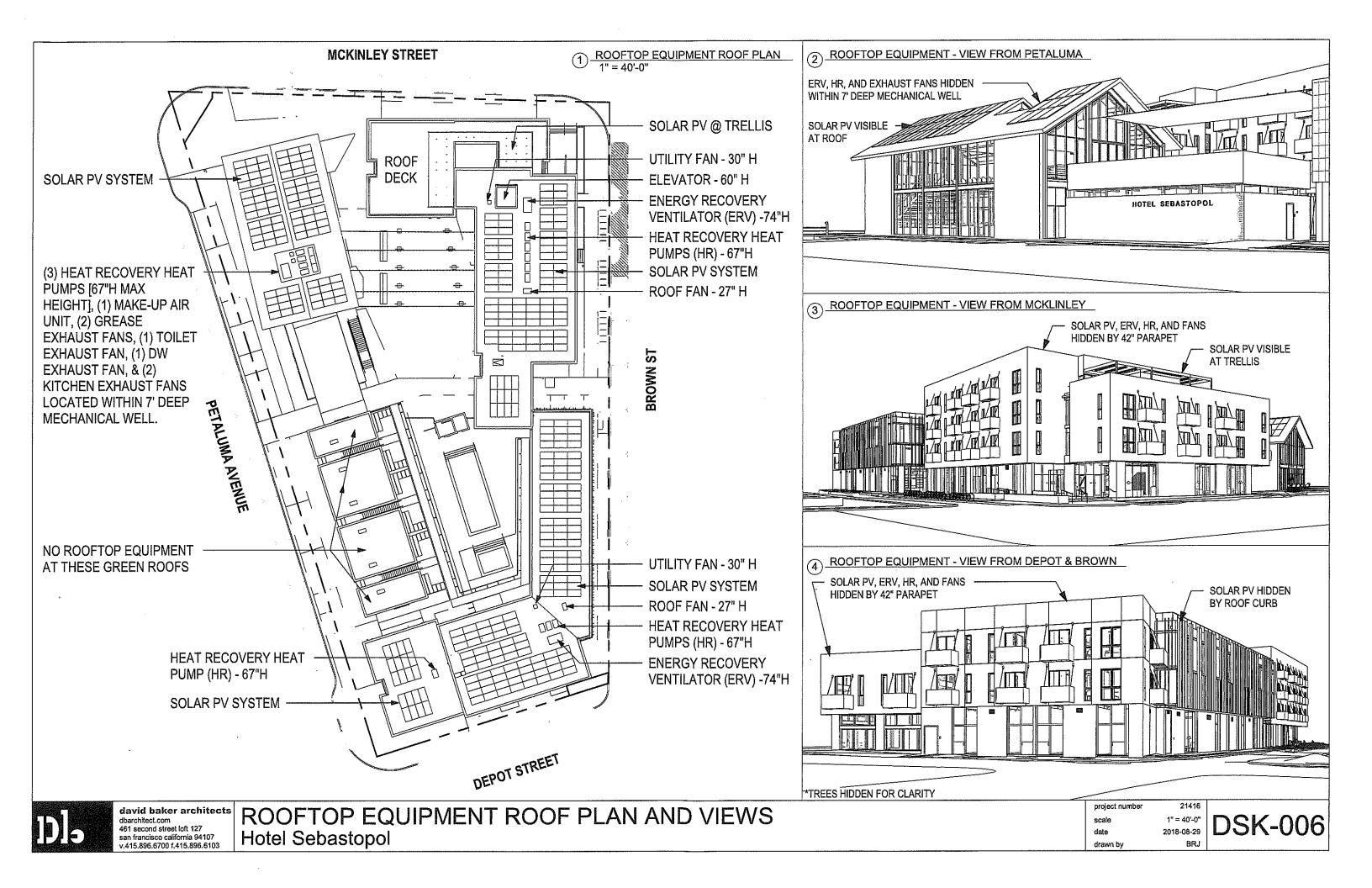


project number scale date drawn by

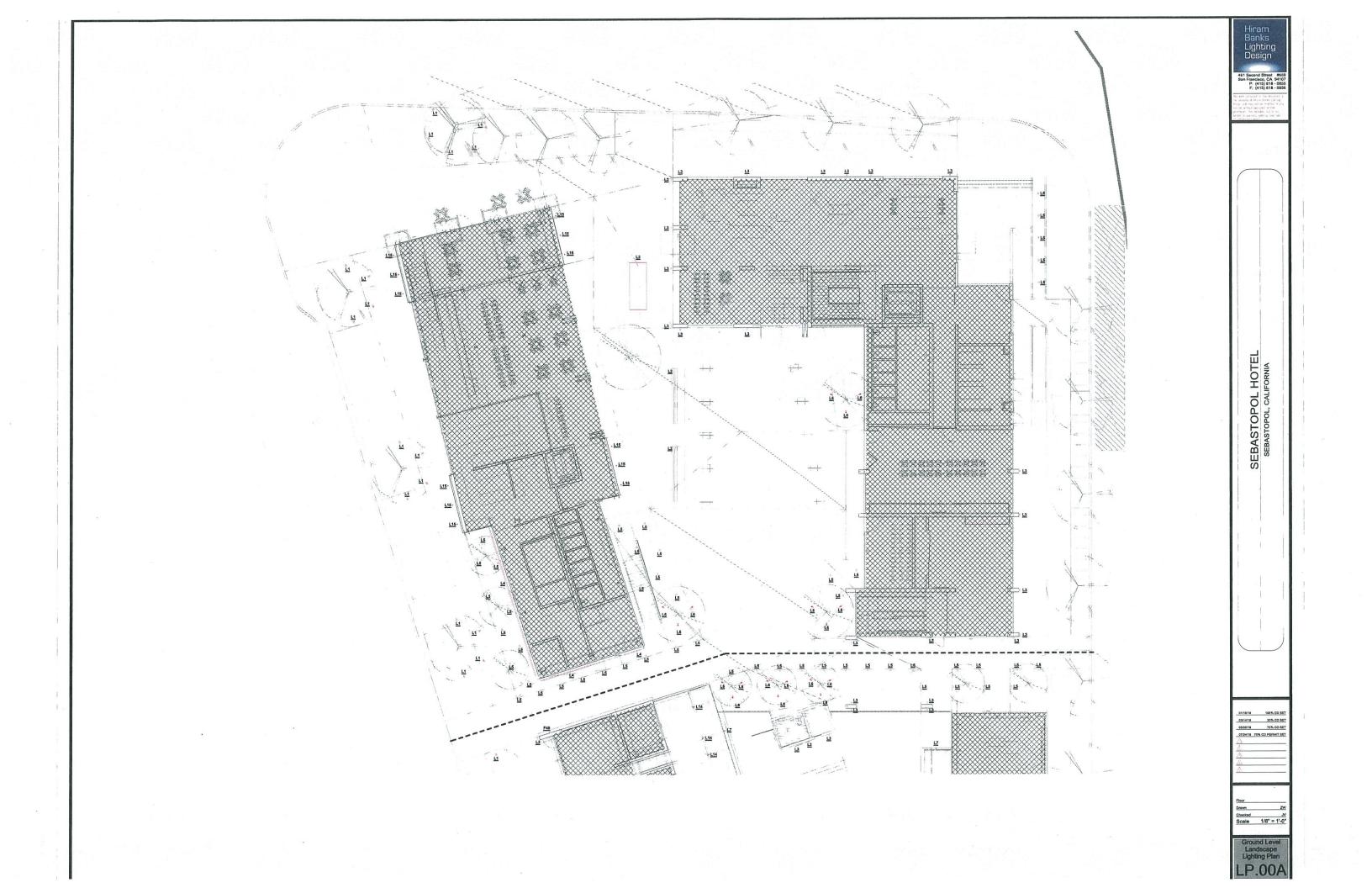
21416 2016-10-14 BRJ

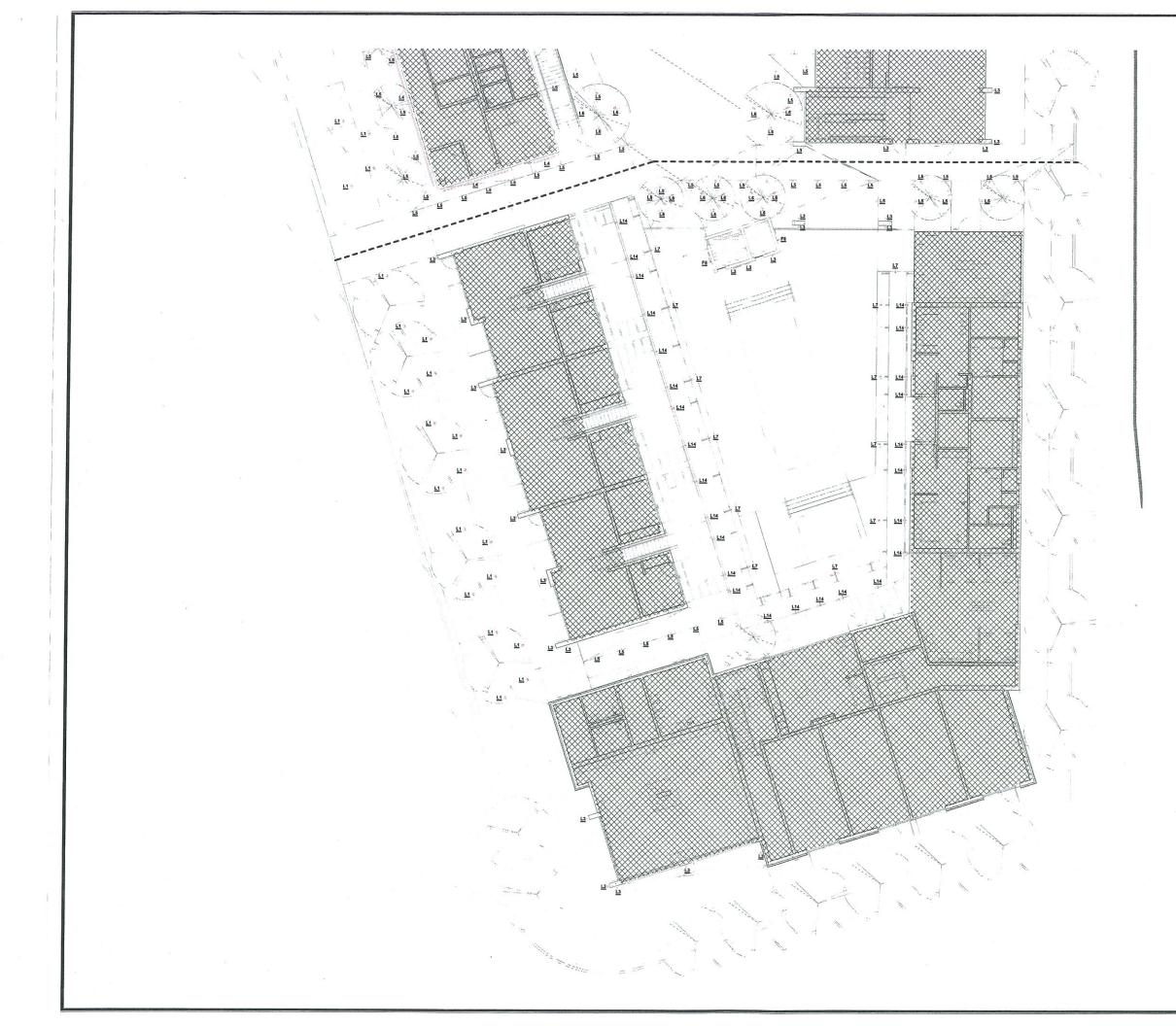






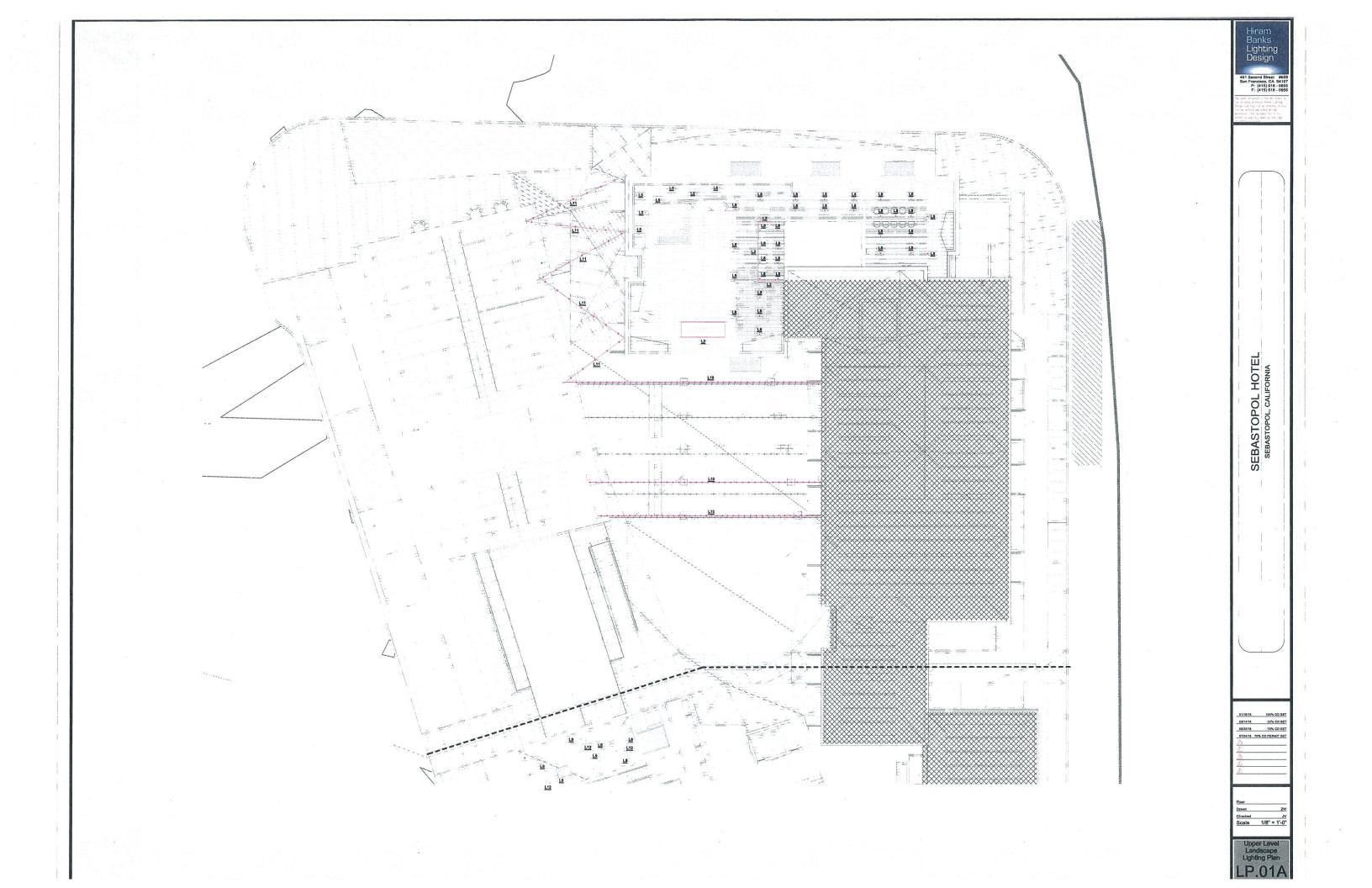




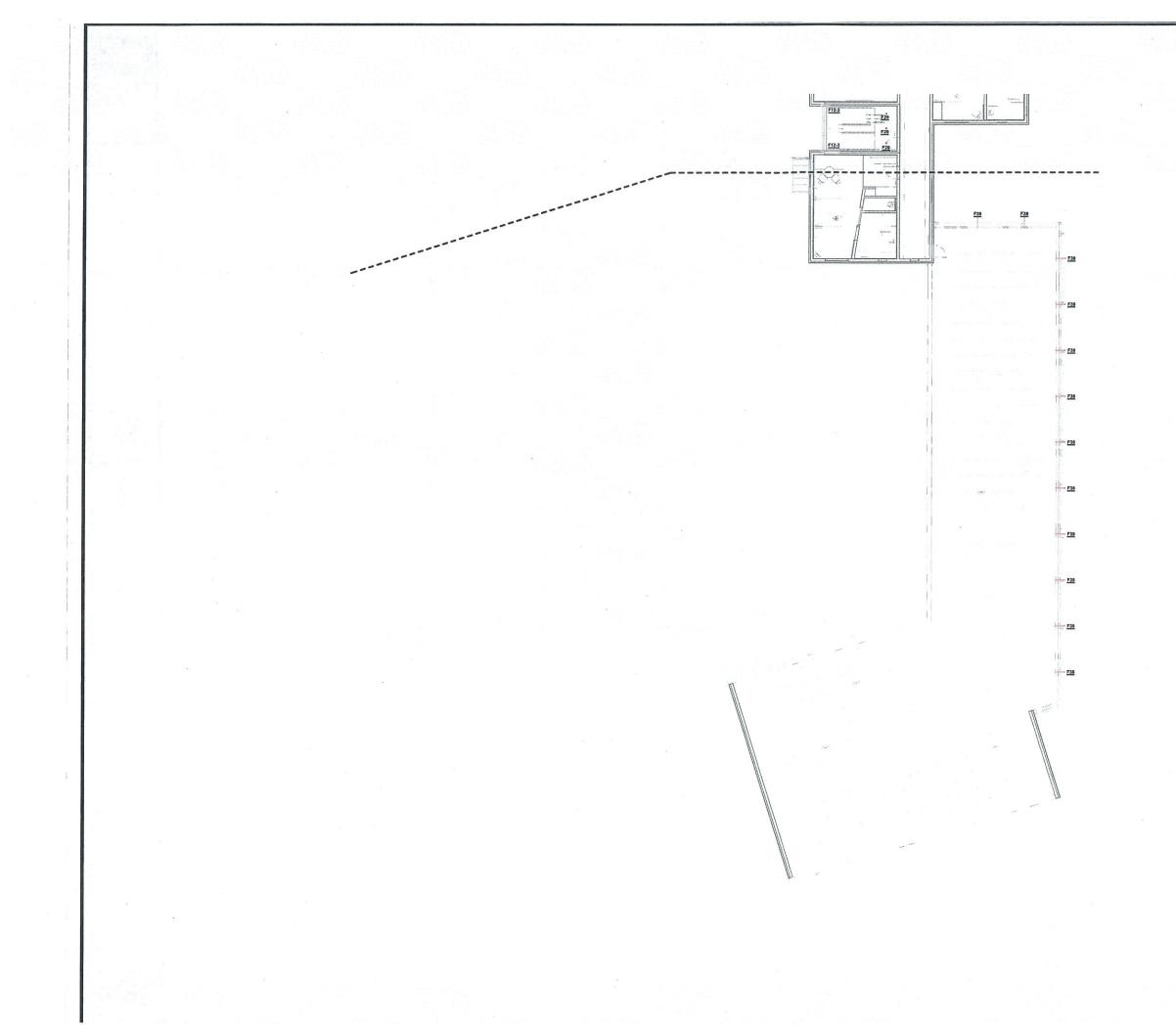


Hiram Banks Lighting Design 461 Second Street # San Francisco, CA 94 P: (415) 618 - 00 F: (415) 618 - 00 SEBASTOPOL HOTEL SEBASTOPOL, CALIFORNIA 01/18/16 100% DD SET 63/14/16 30% CD SET 05/38/16 70% CD SET 07/24/18 70% CD PERMIT SET nawn Z
 Checked
 J

 Scale
 1/8" = 1'-0
 Gound Level Landscape Lighting Plan LP.00B







Hiram Banks Lighting Design 461 Second Street #6 San Francisco, CA 9411 P: (415) 618 - 08 F: (415) 618 - 08 SEBASTOPOL HOTEL SEBASTOPOL, CALIFORNIA 01/18/18 100% DD SET 03/14/18 30% CD SET 0#30/16 70% CD SET 0724/18 70% CD PERMIT SET loor
 Drawn
 ZW

 Checked
 JV

 Scale
 1/8" = 1'-0"
 Level 48 Lighting Plan



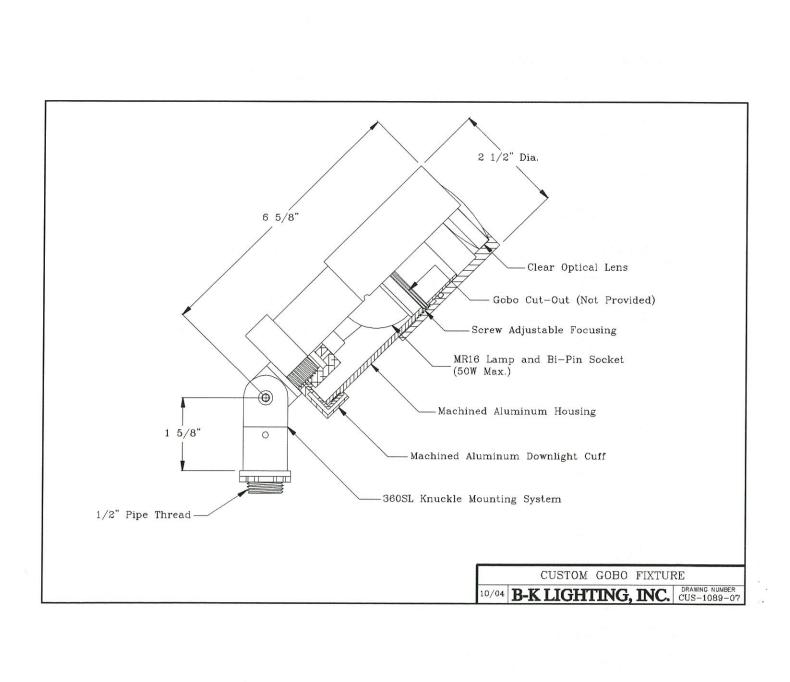
Hiram Banks Lighting Design 461 Second Street, #659 San Francisco, CA 94107



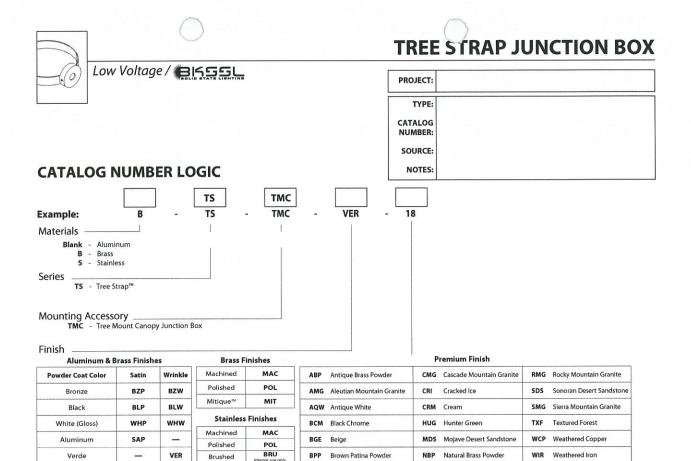
SEBASTOPOL HOTEL LIGHTING FIXTURE SCHEDULE

Туре	Description	Manufacturer / Catalog Number	Location	Lamp	Ballast/ Driver	Watts/	Uni	t Voltage	Notes
L1	TREE STRAP MOUNTED GOBO PROJECTOR. BUG Rating B1U0G0	BK Lighting "Custom Gobo Fixture": CUS-1089-07 Tranformer: TRXX-120 D Tree Strap: TS-TMC-**Finish per arch-**Strap Length TBD Gobo Wash: XXX	Exterior Trees	Warm White MR16 LED's (Provided by Manufacturer) 3000K	Remote, Magnetic (Dimmable)	50	EA	120V Primary TBD Secondary	Finish to be confirmed by Architect. Fixture requires remote driver. Driver to be located in accessible location. Scontrator to confirm tree strap length with the landscaping dwg and existing condition.
L2	SURFACE MOUNTED LED LINEAR STRIP LIGHT, CONTINUOUS END- TO-END RUN LENGTH	Optic Arts - "FLEX STO 20 IP67": Rixture: FLEXSTP-67-29-24-20-*"Length as req'd Channel: CHS-S-*"Length as req'd Driver: ML96S24VDC	Landscaping Furniture, Root Deck	Warm White LED's (Provideo by Manufacturer) 2930K	Remote; Magnetic Low Voltage (Dimmable)	2.2	LF	120V Primary 24VDC Secondary	 Fixture requires remote driver. Driver to be located in accessible location. Fixture lengths to be confirmed with architectural drawings and field conditions prior to ordering. Contractor to provide all necessary accessories and components for complete installation.
L3	RECESSED LED ACCENT LIGHT. BUG Rating: B0U0G0	MP Lighting: Fixture: L312-2-W30S-S-F-HB-D-X-0-**Finish as per arch. Driver: LED20W700I-B	Exterior Wall & Column	Warm White LED's (Provideo by Manufacturer) 3000K	Remote, 0-10V (Dimmable)	2.5	EA	120V Primary / 28VDC Secondary	 Finish to be confirmed by Architect. Fixture requires remote driver. Driver to be located in accessible location.
L4	RECESSED LED LINEAR LIGHT	Interlux - "FLIX": Fixture: FSW-**Length as req'd-H-30-WW-24- **Feed cable as req'd-**Housing as req'd Driver: D-520-24006	Resturant Exterior Wall	Warm White LED's (Provideo by Manufacturer) 3000K	Remote; 0-10v (Dimmable)	7	LF	120V Primary/ 24VDC Secondary	Fixture requires remote driver. Driver to be located in accessible location. Fixture to run for enitre length of the wall with no gap in between.Provide shop drawing prior to ordening. S Contractor to provide all necessary accessories and components for complete installation.
L5	PATH LIGHT	BK Lighting "LiteStick": LT-18-LED-E71-**Finish as req'd-PR18B-SF Tranformer: TRXX-120	Landscape	Warm White LED's (Provided by Manufacturer) 3000K	Remote, Magnetic (Dimmable)	з	EA	120V Primary/ 12VDC Secondary	I. Finish to be confirmed by Architect. Fitture requires remote driver. Driver to be located in accessible location. Contractor to provide all necessary accessories and components for complete installation. Arranformer wattage to be confirmed with Electrical Engineer.
L6	STAKE MOUNTED LED TREE UPLIGHT	BK Lighting "Nite Star II": Fixture: NSII-LED-E65-MFL-A9-**Finsih as req'd-12-11-360SL Stake: KMJ-**Finish as req'd Transformer: TRXX-120	Tree Uplight	Warm White LED's (Provided by Manufacturer) 3000K	Remote; Magnetic (Dimmable)	7	EA	277V Primary / 12V Secondary	 Finish to be confirmed by Architect. Fixture requires remote driver. Driver to be located in accessible location. Contractor to provide all necessary accessories and components for complete installation.
L7	SURFACE MOUNTED AREA LIGHT	BK Lighting "Nite Star II": Fixture: DS-LED-E65-WFL-A9-**Finsih as req'd-A-12-11-360SL Canopy: SMJ-**Finish as req'd Transformer: TRXX-120	Swimming Pool Area	Warm White LED's (Provided by Manufacturer) 3000K	Remote; Magnetic (Dimmable)	7	EA	277V Primary / 12V Secondary	 Finish to be confirmed by Architect. Fixture requires remote driver. Driver to be located in accessible location. Fixture to be mounted X*-X* AFF.
L8	SURFACE MOUNTED UPLIGHT	BK Lighting "Nite Star II": Fixture: DS-LED-E05-WFL-A9-**Finsih as req'd-A-12-11-360SL Canopy: SMJ-**Finish as req'd Transformer: TRXX-120	Trellis	Warm White LED's (Provided by Manufacturer) 3000K	Remote; Magnetic (Dimmable)	7	EA	277V Primary / 12V Secondary	 Finish to be confirmed by Architect. Fixture requires remote driver. Driver to be located in accessible location. Fixture to be mounted X¹-X[*] AFF. Refer to architectural drawings for more information.
L9	MARKER LUMINAIRE	Luxrled "Modux Micro". MM-** Material TBD-S-16-A-R	Hotel Roof Top	Amber LED's (Provided by Manufacturer)	Remote; 0-10V (Dimmable)	1	EA	120V Primary / 12V Secondary	Contractor to provide all necessary accessories and components for complete installation Z. Fixture requires remote driver. Driver to be located in accessible location.
L10	LED FESTOON LIGHTING	Tivoli Lighting Fixture: LSL-B-18-H-27-F-12 Fixture Length/Run: L**Varies-5 Driver: JT-60-1-5-12-D	Inner Courtyard	Warm White LED's (Provided by Manufacturer) 2700K	Remote; Magnetic Low Voltage (Dimmable)	0.2	EA	120V Primary / 12V Secondary	Contractor to provide all necessary accessories and components for complete installation Z. Fixture requires remote driver. Driver to be located in accessible location. S. Fixture lengths & runs to be confirmed with architectural dwgs and field conditions. Fixture to be mounted X'-X" AFF.
L11	LED STRING GLOBE LIGHTING	Tivoli Lighting Fixture: LSA-B-18-V-27-**GLOBE TBD-12 Fixture Length/Run: L**Varies-5 Driver: JT-60-1-5-12-D	Inner Courtyard	Warm White LED's (Provided by Manufacturer) 2700K	Remote; Magnetic Low Voltage (Dimmable)	0.64	EA	120V Primary / 12V Secondary	Contractor to provide all necessary accessories and components for complete installation Z. Fixture requires remote driver. Driver to be located in accessible location. S. Fixture lengths & funs to be confirmed with architectural dwgs and field conditions. Fixture to be mounted X'-X' AFF.
L12	DECORATIVE LANDSCAPE LUMINAIRE	Lucciola: A4.503.XX	Hotel Roof Top	Warm White LED's (Provided by Manufacturer) 3000K	NA	1	EA		
L13	LOT LIGHTNG, NOMINAL 25 FOOT	Beacon Viper Fixture: VS 12 N T4 S25 Accessories: TAB30M38	Parking Lot	Warm White LED's (Provided by Manufacturer) 3000K	Integral Electronic	110	EA	UNV	1 Architect to confirm bronze finish.
L13-2	LOT LIGHTNG, NOMINAL 25 FOOT	Beacon Viper Fixture: VS 12 2X N T4 S25 Accessories: TAB30M39	Parking Lot	Warm White LED's (Provided by Manufacturer) 3000K	Integral Electronic	111	EA	UNV	1 Architect to confirm bronze finish.
L14	WALL SCONCE	BK Lighting "Nite Star II": Fixture: OM-LED-E70-MFL-**Finsih as req'd- 12-11-B Transformer: TRXX-119	Entrance	Warm White LED's (Provided by Manufacturer) 2700K	Remote; Magnetic (Dimmable)	3		277V Primary / 12V Secondary	 Finish to be confirmed by Architect. Fixture to be mounted X'-X" AFF. Refer to architectural drawings for more information.
L15	INGRADE UPLIGHT	MP Lighting: Fixture: L360-8-W30S-H-S-B-ELB2-C-D-X-0- **Finish as per arch. Driver: TLDDLV60W5000 Dimming Controler: TCL0101			Remote, 0-10V (Dimmable)	8	EA		 Finish to be confirmed by Architect. Fixture requires remote driver. Driver to be located in accessible location. Contractor to provide all necessary accessories and components for complete installation.
F39	SURFACE MOUNTED LED FLOOD	BK Lighting "Delta Star". Fixture SN-18-L-e64-MFL-A9-**Finish as per arch-12-B Transformer: TRXXX-120	Exterior Wooden Mullion	Warm White LED's (Provided by Manufacturer) 2700K	Remote; Magnetic Low Voltage (Dimmable)	7	EA	Primary/12VD C Secondary	 Finish to be confirmed by Architect. Foture requires remote driver. Driver to be located in accessible location. Contractor to provide all necessary accessories and components for complete nstallation. Fixture to be mounted X'-X" AFF. Refer to architectural drawings for more information.





Hiram Banks	Sebastopol Hotel	Project #: 184-17	Date: 07/24/18	TYPE
Lighting Design	LIGHTING FIXTURE CUTSHEET	MIT SET	11	
	The work contained in this document is the property of Hiram Ban This includes, but is not limited to quantity, spacing, and type of li	ks Lighting Design and may not be modified in an ghting equipment.	y manner without expressed written permission.	



CAP

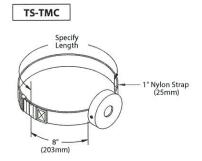
Clear Anodized Powder

OCP

Old Copper

Adjustable Strap Length (Specify Length)

Minimum 3" Adjustable Strap (Standard)



All dimensions indicated on this submittal are nominal Contact Technical Sales if you require more stringent specifications

Also available in RAL Finishes See submittal SUB-1439-00

SPECIFICATIONS

GreenSource Initiative™

Metal and packaging components are made from recycled materials. Manufactured using renewable solar energy, produced onsite. Returnable to manufacturer at end of life to ensure cradle-to-cradle handling. Packaging contains no chlorofluorocarbons (CFC's). Use of this product may qualify for GreenSource efficacy and recycling rebate(s). Consult www bklighting.com/greensource for program requirements.

Materials

Furnished in Copper-Free Aluminum (Type 6061-T6), Brass (Type 360) or Stainless Steel (Type 304).

threaded nipple

Installation

Tree Strap™ installation. mounting system facilitates non-invasive Adjustable nylon strap is mold and mildew resistant and will not hinder tree growth.

Finish

StarGuard[®], our exclusive RoHs compliant, 15 stage chromate-free process cleans and conversion coats aluminum components prior to application of Class 'A' TGIC polyester

powder coating. Brass components are available in powder coat or handcrafted metal finish. Stainless steel components are available in handcrafted metal finish. (Brushed finish for interior use only).

Warranty 5 year limited warranty.

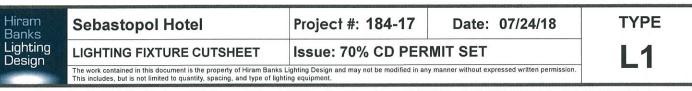
Certification and Listing Suitable for indoor or outdoor use. RoHS compliant. Made in USA.

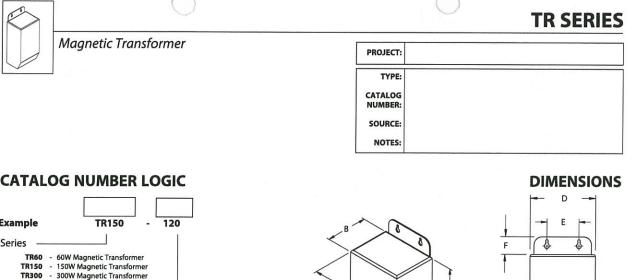
RoHS∜



40429 Brickyard Drive • Madera, CA 93636 • USA 559.438.5800 • FAX 559.438.5900 www.bklighting.com • info@bklighting.com SUBMITTAL DATE DRAWING NUMBER 07-01-14 SUB-2136-00

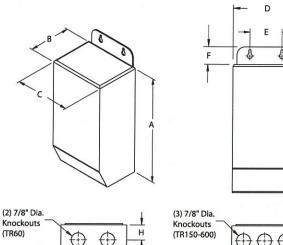
THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF 8-K LIGHTING, INC. AND ITS RECEIPT OR POSSESSION DOES NOT CONVEY ANY RIGHTS TO REPRODUCE, DISCLOSE ITS CONTENTS, OR TO MANUFACTURE, USE OR SELL ANYTHING IT MAD DESCRIBE, REPRODUCTION, DISCLOSURE OR USE WITHOUT SPECIFIC WRITTEN AUTHORIZATION OF 8-K LIGHTING, INC. IS STRICTLY FORBIDDEN.





CATALOG NUMBER LOGIC

Example	TR150 - 120
Series —	
TR60	- 60W Magnetic Transformer
TR150	- 150W Magnetic Transformer
TR300	- 300W Magnetic Transformer
TR600	- 600W Magnetic Transformer
Input Volt	age
120	- 120 Volt
277	- 277 volt



G

TRANSFORMER DATA

All dimensions indicated on this submittal are nominal. Contact Technical Sales if you require more stringent specifications

н

Series	Input Voltage	Max. Load	Circuit Breaker	Weight	Height A	Depth B	с	D	Е	F	G	н
TR60	120V	60W	8A	3.7 lbs.	7-1/2"	2-15/16"	3"	3-7/64"	1-1/2"	1-1/16"	1-1/2"	3/4"
TR150	120V	150W	25A	6 lbs.	8"	3-3/32"	4-3/32*	5-1/2"	4-1/8"	1-1/8"	1-5/16*	15/16"
TR300	120V	300W	25A	7.13 lbs.	8"	3-3/32"	4-3/32™	5-1/2"	4-1/8"	1-1/8"	1-5/16*	15/16"
TR600	120V	600W	25A	14.9 lbs.	9-13/32"	4-3/32"	4-19/32"	5-3/4"	4-5/8"	1-1/16"	1-1/2"	1-1/4"
TR60	277V	60W	8A	3.7 lbs.	7-1/2"	2-15/16"	3"	3-7/64"	1-1/2"	1-1/16"	1-1/2"	3/4"
TR150	277V	150W	25A	6 lbs.	8"	3-3/32"	4-3/32"	5-1/2″	4-1/8"	1-1/8"	1-5/16"	15/16"
TR300	277V	300W	25A	7.13 lbs.	8"	3-3/32"	4-3/32"	5-1/2″	4-1/8"	1-1/8"	1-5/16"	15/16"
TR600	277V	600W	25A	14.9 lbs.	9-13/32"	4-3/32"	4-19/32"	5-3/4"	4-5/8"	1-1/16"	1-1/2"	1-1/4

SPECIFICATIONS

Housing Stainless steel, NEMA Outdoor 3R rated enclosure. [2] (TR60) or (3) (TR150-600) bottom entry 7/8' knockouts provide access to wiring compartment. Riveted, hinged cover opens vertically from bottom to top for service access.

Transformer

Design

Pransformer Fully encapsulated, Class B insulated, low voltage magnetic transformer. 120VAC or 277VAC input. 12VAC output (fully loaded). 0.6A (120VAC) or 0.3A (277VAC) maximum no load input current. Manual thermal reset. Secondary circuit breaker. Enclosure temperature <65° C when fully loaded (in 40° C ambient).

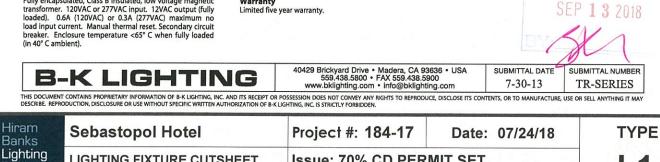
LIGHTING FIXTURE CUTSHEET

For use with halogen and CSSS products. Fully dimmable utilizing magnetic low voltage dimmers. Consult fixture specification for dimming capability.

Output Wiring See B-K Lighting Low Voltage Design Guide on reverse.

Warranty

Certification and Listings Nema Type 3R Enclosure. Suitable for indoor and outdoor use. UL Listed to ANSI/UL Standard 1012. c(UL)us



The work contained in this document is the property of Hiram Banks Lighting Design and may not be modified in any manner without expressed written permission. This includes, but is not limited to quantity, spacing, and type of lighting equipment. Hiram Banks Lighting Design • 461 Second Street, #659 • San Francisco, CA 94107 • 415 618 0855 tel • 415 618 0856 fax

Issue: 70% CD PERMIT SET

| 1

Low Voltage Guide

Many B-K LIGHTING fixtures operate on 12 volts. Taking advantage of these energy-saving fixtures requires appropriate care in planning the electrical wiring system. To maintain expected lamp performance, we recommend the following procedures in sizing your low-voltage wiring system.

SIZING OF LOW VOLTAGE WIRING

- 1. Locate and plot fixtures on plan. Choose the lighting equipment necessary to create the desired lighting effects. Mark lamp wattage for each fixture location.
- Identify potential transformer locations. The ideal locations are those which provide for the shortest possible low voltage distances (inconspicuous areas, behind rocks, shrubbery, etc., within the landscape). UPM, Power Pipe ™, Power Pipe II™, or, if available, transformers integral in the fixture are good ways to hide the transformer and reduce voltage drop problems.
- 3. Add the total wattage for the proposed low voltage run. Measure the wire lengths from the transformer to the fixture locations. Find the distance to the "CENTER OF LOAD" of the low voltage run.

CENTER		Distance from first to last fixture		Distance from transformer
OF LOAD	-	(2) Two	Ŧ	to first fixture

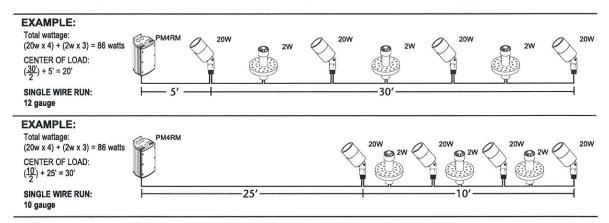
4. Using the B-K LIGHTING Wire Selection Table, select the wattage column which applies. Look down the column stopping at a distance, in feet, that is equal or greater than the "CENTER OF LOAD" distance. Look across to find the proper wire size for your layout.

WIRE	-	TOTAL WATTAGE															
SIZE	12	20	24	35	40	50	60	70	80	100	105	120	140	150	160	200	250
12	178	106	89	60	53	42	35	30	26	21	20	17	15	13		_	-
10	283	169	141	96	85	67	56	48	42	33	32	28	24	22	19	17	13
8	450	269	225	154	135	107	90	77	67	54	51	45	38	36	31	27	21
6	715	428	357	245	214	171	143	122	107	85	81	71	61	57	49	42	34
	CENTER OF LOAD WIRING DISTANCES IN FEET																

Note: In the event of multiple runs from a given transformer, treat each run separately.

The Wire Selection Table provided is based on a maximum allowable voltage drop of 5%. Electrical designs which allow greater than 5% voltage drop, reduce rated light output beyond acceptable levels.

The importance of the proper wire selection is demonstrated below. Both examples have the same total watts and identical overall lengths of wire run, yet require different wire sizes, or multiple wire runs, to operate within the 5% maximum voltage drop B-K LIGHTING criteria.



TRANSFORMERS

For areas which are far reaching from fixtures, running 120 volt power to each fixture location with individual transformers, such as TRSS75 or TRSS150, provides an excellent economic solution to voltage drop. These transformers can also be specified in the UPM, Power Pipe™, and Power Pipe II[™] transformer housings.

Note: Installations should be in accordance with the National Electric Code and applicable local codes.

B-K LIGHTING

Hiram Banks Lighting Design	Sebastopol Hotel	Project #: 184-17	TYPE		
	LIGHTING FIXTURE CUTSHEET	Issue: 70% CD PER	11		
Design	The work contained in this document is the property of Hiram Ban This includes, but is not limited to quantity, spacing, and type of li		y manner without expressed written permission.		





MR16 7.5W

390 - 455 lumen
475 - 525 lumen
10°, 25°, 36°
2700К, 3000К, 4000К
Halogen replacement for indoor and outdoor applications



Narrow spot compatible with Soraa SNAP System

Geometrically compatible with standard fixtures and

This lamp is suitable for use in fully enclosed fixtures,

Works with trailing edge and leading edge phase cut dimmers, 12V AC magnetic and electronic transformers and

12V DC transformers (see www.soraa.com/resources)

Intended for use in MR16 compatible recessed downlights,

Soraa lamps are designed to safely turn down in any thermal

track lighting and other indoor and outdoor applications

environment not conducive to minimum airflow or proper

subject to the maximum heatsink temperature limits stated

in this data sheet. A list of qualified enclosed fixtures can be

HIGHLY COMPATIBLE

suitable for damp locations

found at www.soraa.com/resources

INTENDED USE AND APPLICATIONS

accessories

POINT SOURCE OPTICS

Exceptional beam control enables unique 10° narrow spot and smooth uniform beams

Single light source, single crisp shadow

VP₃ VIVID COLOR AND VP₃ NATURAL WHITE

VIVID series provides accurate color rendering across the visible spectrum from 400nm to 700nm, with CRI/95, R9/95, Rf/90, Rg/100

Whiteness rendering matches or exceeds that of halogen and incandescent sources at 2700K and 3000K

ENERGY EFFICIENCY AND LONG LIFE

85% more energy efficient than standard halogen lamps

Typical payback of one year or less

Rated lifetime to L70: 35,000hrs

Warranty: 3yrs or 25,000hrs whichever comes first.

Detailed warranty information available at soraa.com/ resources/legal

CERTIFICATIONS

JA8-2016-E, UL/CUL Class 2 and non-Class 2, FCC Title 47 Part 15B, RoHS, CE



GENERAL SPECIFICATIONS

Form Factor Width: 50.1mm (1.97") Height: 45.5mm (1.79") Weight: 47g

Operating Temperature Minimum: -40°C (ambient) Typical: 85°C - 95°C (base) Maximum: 100°C (base)

Wattage: 7.5W Power factor: 0.92 Voltage: 12V +/- 1.2V

Frequency: 50/60Hz

Electrical

ventilation

Dimming and Flicker Dimmable to <20% Flicker Index: 0.02

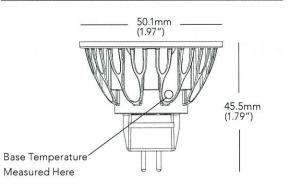
Percent Flicker: 5%*

SEP 1 3 2018

*These Soraa lamps are certified to California's demanding JA8 standard, which requires <30% flicker

Hiram Banks	Sebastopol Hotel	Project #: 184-17	Date: 07/24/18	TYPE
Lighting Design	LIGHTING FIXTURE CUTSHEET	11		
	The work contained in this document is the property of Hiram Banks This includes, but is not limited to quantity, spacing, and type of lig	- Base 1		

DIMENSIONS

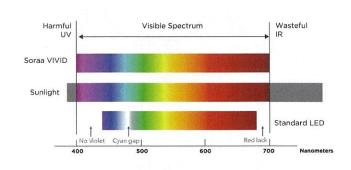


10 DEGREE BEAM

Beam Dia at 50% CBCP (ft)	Field Dia at 10% CBCP (ft)	Foot-candles (% of CBCP)	
0.5	1.1	11.1%	
1.0	2.1	2.8%	
1.6	3.2	1.2%	
2.1	4.2	0.7%	0
2.6	5.3	0.4%	_

3' 9' 12' 15'

COLOR RENDERING

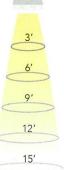


25 DEGREE BEAM

Beam Dia at 50% CBCP (ft)	Field Dia at 10% CBCP (ft)	Foot-candles (% of CBCP)
1.3	2.2	11.1%
2.7	4.4	2.8%
4.0	6.6	1.2%
5.3	8.7	0.7%
6.7	10.9	0.4%

36 DEGREE BEAM

Beam Dia at 50% CBCP (ft)	Field Dia at 10% CBCP (ft)	Foot-candles (% of CBCP)	
1.9	3.3	11.1%	3'
3.9	6.5	2.8%	6'
5.8	9.8	1.2%	9'
7.8	13.0	0.7%	12'
9.7	16.3	0.4%	15'



Note: Footcandles may be calculated by multiplying the CBCP of the desired model number by the percentage in the tables above

Hiram Banks	Sebastopol Hotel	Project #: 184-17	Date: 07/24/18	TYPE
Lighting Design	LIGHTING FIXTURE CUTSHEET	Issue: 70% CD PER	MIT SET	11
	The work contained in this document is the property of Hiram Banks This includes, but is not limited to quantity, spacing, and type of lig		y manner without expressed written permission.	

SPECIFICATIONS BY MODEL NUMBER* SORAA LED MR16 7.5W

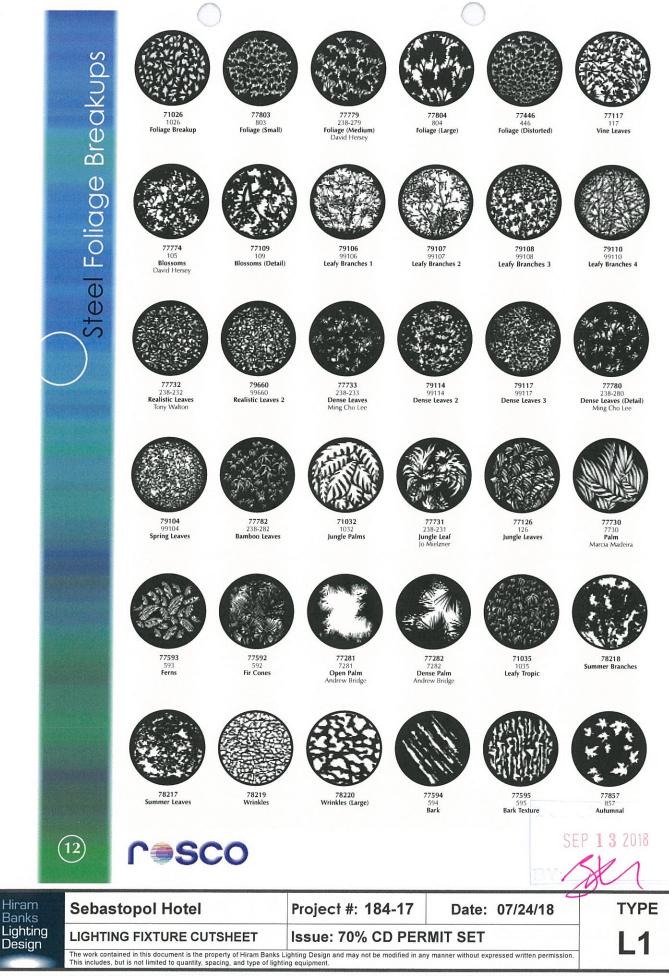
Model #	Product Code	ССТ (К)	Beam Angle	CBCP (Cd)	Halogen Equivalent	Total Flux (Lm)	Efficacy (Lm/W)	McA	ЈА8- 2016-Е	SNAP
VIVID SERIES										
SM16-07-10D-927-03	00919	2700	10	5710	50	390	52	3	YES	YES
SM16-07-25D-927-03	00931	2700	25	2260	50	410	55	3	YES	-
SM16-07-36D-927-03	00943	2700	36	1070	50	410	55	3	YES	-
SM16-07-10D-930-03	00923	3000	10	6000	50	410	55	3	YES	YES
SM16-07-25D-930-03	00935	3000	25	2400	50	435	58	3	YES	-
SM16-07-36D-930-03	00947	3000	36	1130	50	435	58	3	YES	-
SM16-07-10D-940-03	00925	4000	10	6290	50	430	57	4	YES	YES
SM16-07-25D-940-03	00937	4000	25	2510	50	455	61	4	YES	-
SM16-07-36D-940-03	00949	4000	36	1190	50	455	61	4	YES	-
BRILLIANT SERIES										
SM16-07-10D-827-03	00917	2700	10	6950	50	475	63	3	NA	YES
SM16-07-25D-827-03	00929	2700	25	2760	50	500	67	3	NA	- -
SM16-07-36D-827-03	00941	2700	36	1310	50	500	67	3	NA	-
SM16-07-10D-830-03	00921	3000	10	7320	50	500	67	3	NA	YES
SM16-07-25D-830-03	00933	3000	25	2900	50	525	70	3	NA	-
SM16-07-36D-830-03	00945	3000	36	1370	50	525	70	3	NA	

CCT: Correlated Color Temperature **McA**: White Point Accuracy in McA step **SNAP**: SORAA SNAP System Compatible *Specifications are at stable warm operating conditions (25°C ambient)

SEP 1 3 2018

Hiram Banks	Sebastopol Hotel	Project #: 184-17	Date: 07/24/18	TYPE
Lighting Design	LIGHTING FIXTURE CUTSHEET	Issue: 70% CD PER	MIT SET	11
	The work contained in this document is the property of Hiram Bank This includes, but is not limited to quantity, spacing, and type of lig		y manner without expressed written permission.	







1034 Leaf Confetti



6611 Lightweave









77102 102 Abstract Leaves



108 Wheat Pattern

77116 116 Rice Pattern



77788 238-288 Web





77120 120 Holly

1030 Jagged Breakup



Steel Foliage Breakups

Thicket Francis Bellman



953 Forest Floor 2



Twigs Andrew Bridge



572 Autumn Breakup

Meshed Saplings





611 Meshed Oak



609 Meshed Palm

Building A Full Stage Gobo Wash

To wash the large areas of stage or scenery with foliage breakups, choose a breakup design that has interlocking or uneven edges, not an obvious circular perimeter. When you combine the projections from several fixtures, the shadows blend together with few noticeable "seams." Ken Billington's Interlocking Breakup design perfectly illustrates this technique.



Tips





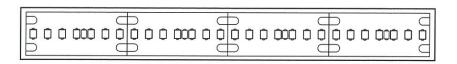


Hiram Banks	Sebastopol Hotel	Project #: 184-17	Date: 07/24/18	TYPE
Lighting Design	LIGHTING FIXTURE CUTSHEET	Issue: 70% CD PER	MIT SET	11
	The work contained in this document is the property of Hiram Bank This includes, but is not limited to quantity, spacing, and type of lig		ny manner without expressed written permission.	



(T).

SFP 1 3 2018



FLEX STP 20 IP67 is a high performance flexible LED fixture distinguished by its extremely tight LED pitch and ability to blend in shallow channels, making it perfect for direct view applications.

ACCESSORIES

ELECTRICAL

Input Voltage	24VDC	Channels	Optic Arts® Channel (pg. 3-6)
Dimming Options	PURE DC [™]	Mounting Clips	FLEXMNT.SIL.EXT12 (pg. 7)
	MLV	Connectors	LC-O2P-F, LC-O2P-M (pg. 7)
	• 0-10V	Strain Relief	FLEX.ZIP (pg. 7)
	• DMX		
	 Lutron (2-WIRE, 3-WIRE, EcoSystem) 	LUMEN OUTPUT	
Power Consumption	2.0 Watts per foot	*****	
Wire Size	20AWG, 2 wire	NOMINAL CCT	CCT w/IP67 JACKET
Regulatory	ETL - Conforms to UL Std. 2108; Certified	1800K	1760K: 107.00 lm/ft 53.50 lm/Watt
	to CSA Std. C22.2 No. 9.0	2350K	2260K: 142.20 lm/ft 71.10 lm/Watt
		2750K	2620K: 159.30 lm/ft 79.65 lm/Watt
HYSICAL		2930K	2820K: 170.10 lm/ft 85.05 lm/Watt
Field Cuttable	Every 0.90" (22.86mm)	3550K	3410K: 170.10 lm/ft 85.05 lm/Watt
Operating Temperature	-20° C (-40°F) to +50°C (+122°F)	Note: Stated lumer	n values have a tolerance of +/- 10%.
Environment	IP67 - Wet Location		
Maximum Run Length	40.00'	PERFORMANCE	
Dimensions (WxH)	0.47" (11.94mm) x 0.21" (5.33mm)	PERFORIVIAINCE	
	Endcaps - 0.50" (12.70mm) x 0.31"	CRI	2350-3550K = 95+, 1800K = 90+
	(7.87mm)	Binning Toleran	ce +/- 100K
		Warranty	3 years

PART NUMBER BUILDER SERIES IP RATING COLOR VOLTAGE WATTAGE LENGTH FLEXSTP 67 = IP67 - Wet Location 18 = 1800K 24 = 24 VDC 20 = 2.0W XX = Custom Length 23 = 2350K **27** = 2750K 29 = 2930K 35 = 3550K 1130 Monterey Pass Rd, Monterey Park, CA 91754 213.250.6069 | customerservice@opticarts.com | www.opticarts.com ptic arts[•] 1 of 12 Optic Arts reserves the right to modify this specification without prior notice. © Optic Arts 2018 Last Modified: May 21, 2018 9:37 AM

Hiram Banks	Sebastopol Hotel	Project #: 184-17	Date: 07/24/18	TYPE
Lighting Design	LIGHTING FIXTURE CUTSHEET	Issue: 70% CD PER	MIT SET	12
	The work contained in this document is the property of Hiram Bank This includes, but is not limited to quantity, spacing, and type of lig		manner without expressed written permission.	line dia

FLEX STP 20 IP67

Specification Sheet

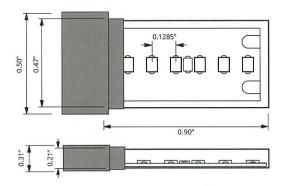
DIMENSIONS

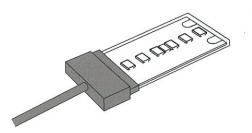
Optic Arts® cuts all FLEX STP and Channel products to length per customer specifications. Each length of FLEX STP is fitted with a 6' wire lead (custom lengths available upon request) and packaged on a reel in an anti-static bag. Bags are labeled with fixture type, length and location (if applicable). Each piece of channel is labeled with fixture type, length and location (if applicable), and is bundled by fixture type.

• Due to the nature of the FLEX STP product, specific lengths may not fall exactly on a cutting point. In this case, Optic Arts® will always cut to the smaller dimension unless otherwise specified. • Unless otherwise specified, channel is cut 15mm longer than FLEX STP.

Some on-site assembly required. See installation guides for details.

OUTDOOR FLEX STP 20

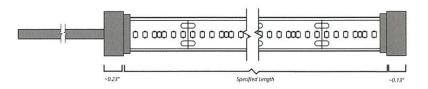




DIMENSIONS

0.47" (11.94mm)
0.21" (5.33mm)
0.50" (12.70mm)
0.31" (7.87mm)
0.90" (22.86mm)
0.1285" (3.26mm)
40.00' (12192.00mm)

OUTDOOR FLEX STP 20



213.250.6069 Optic Arts res	ey Pass Rd, Monterey Park, CA 91754 9 customerservice@opticarts.com www.opticarts.com erves the right to modify this specification without prior notice. : May 21, 2018 9:37 AM	2 of 12 © Optic Arts 2018		tic arts [.]
Hiram Banks	Sebastopol Hotel	Project #: 184-17	Date: 07/24/18	TYPE
Lighting Design	LIGHTING FIXTURE CUTSHEET The work contained in this document is the property of Hiram Bank	Issue: 70% CD PERI		L2
1974	This includes, but is not limited to quantity, spacing, and type of lig			



Click to access CHANNEL ACCESSORIES CATALOGUE >

MOUNTING OPTIONS - COMPATIBLE CHANNELS

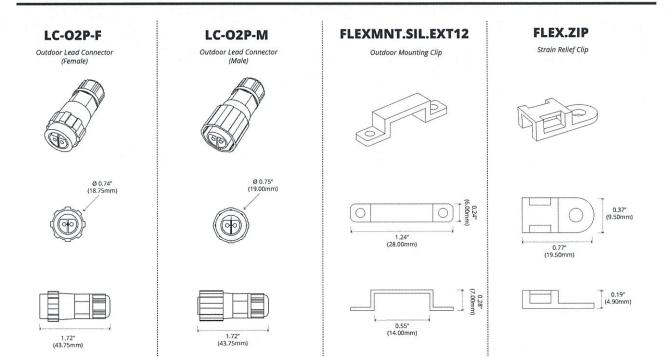
KEY

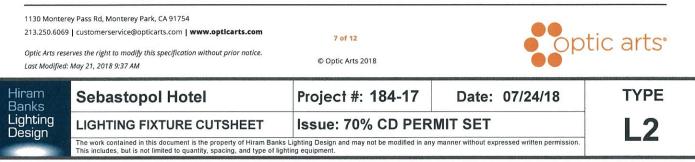
CHANNEL PART NUMBER BREAKDOWN: -Not Blended CHS-R-1208 CHS R 1208 SERIES APPLICATION DIMENSIONS CHS = Slim Channel s = Surface Mount XXXX = W x H (mm) Blended w/Milky Lens CHW = Wide Channel R = Recessed Mount • Click on channel titles below to C = Corner Mount H = Hanging Mount access complete channel cut sheets **Center Blend** MATERIAL MATERIAL **CHS-C-1919** CHS-R-1715 :47: Anodized Aluminum Anodized Aluminum DESCRIPTION DESCRIPTION Slim corner mount channel. Slim and deep recessed channel. Eliminates visible LED nodes when used with FLEXDC 3.0 and milk C LENGTH lens. 2 meter LENGTH LENS TYPES 2 meter Clear Frosted Milky CHS-12mm-CC LENS TYPES CHS-12mm-CF CHS-12mm-CC CHS-12mm-CF CHS-12mm-CM Clear Frosted **Mounting Clip** ACCESSORIES Milky CHS-12mm-CM Endcap Endcap w/hole CHS-C-1919-EC CHS-C-1919-ECH Grazer CHS-12mm-CG A: 0.73" (18.50mm) ACCESSORIES Mounting Clip CHS-C-1919-MC A: 0.68" (17.25mm) CHS-R-1715-EC CHS-R-1715-ECH B: 0.48" (12.20mm) Endcap Endcap w/hole B: 0.48" (12.30mm) C: 0.73" (18.50mm) C: 0.98" (25.00mm) D: 0.82" (20.82mm) D: 0.59" (15.05mm) E: 0.82" (20.82mm) MATERIAL MATERIAL CHS-S-1715 * CHS-C-1616 Anodized Aluminum 神 Anodized Aluminum DESCRIPTION DESCRIPTION Slim and deep surface mounted channel Slim corner mount channel with rounded lens. Eliminates visible LED nodes when used with FLEXDC 3.0 and milky lens. LENGTH LENGTH 2 meter LENS TYPES 2 meter LENS TYPES Frosted Milky CHS-C-1616-CF CHS-C-1616-CM Clear CHS-12mm-CC CHS-12mm-CF CHS-12mm-CM Frosted ACCESSORIES Milky A Mounting Clip Endcap Endcap w/hole Mounting Clip CHS-C-1616-EC **Mounting Clip** Grazer CHS-12mm-CG CHS-C-1616-ECH CHS-C-1616-MC ACCESSORIES A: 0.68" (17.25mm) A: 0.63" (16.00mm) CHS-S-1715-EC Endcap B: 0.48" (12.30mm) B: 0.39" (10.00mm) Endcap w/hole Mounting Clip CHS-S-1715-ECH CHS-S-1715-MC C: 0.59" (15.05mm) C: 0.63" (16.00mm) Rotating Mounting CHS-S-1715-MCR D: 0.66" (16.76mm) Clip D: 0.70" (17.78mm) 3 2018 E: 0.78" (19.90mm) E: 0.70" (17.78mm) 1130 Monterey Pass Rd, Monterey Park, CA 91754 213.250.6069 | customerservice@opticarts.com | www.opticarts.com 3 of 12 otic arts[®] Optic Arts reserves the right to modify this specification without prior notice. © Optic Arts 2018 Last Modified: May 21, 2018 9:37 AM

Hiram Banks	Sebastopol Hotel	Project #: 184-17	Date: 07/24/18	TYPE
Lighting Design	LIGHTING FIXTURE CUTSHEET	Issue: 70% CD PERI	WIT SET	12
	The work contained in this document is the property of Hiram Bank. This includes, but is not limited to quantity, spacing, and type of lig		manner without expressed written permission.	Les E s

FLEX STP 20 IP67

ACCESSORIES

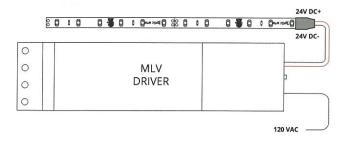




FLEX STP 20 IP67



COMPATIBLE DRIVERS



MLV (MLV)

ART	DESCRIPTION
ML10S24VDC	10W 120VAC DIMMABLE DRIVER
ML20S24VDC	20W 120VAC DIMMABLE DRIVER
ML35S24VDC	35W 120VAC DIMMABLE DRIVER
ML35S24VDC-277	35W 277VAC DIMMABLE DRIVER
ML40S24VDC	40W 120VAC DIMMABLE DRIVER
ML50S24VDC	50W 120VAC DIMMABLE DRIVER
ML50S24VDC-277	50W 277VAC DIMMABLE DRIVER
ML60S24VDC	60W 120VAC DIMMABLE DRIVER
ML75S24VDC	75W 120VAC DIMMABLE DRIVER
ML75S24VDC-277	75W 277VAC DIMMABLE DRIVER
ML96S24VDC	96W 120VAC DIMMABLE DRIVER
ML96S24VDC-277	96W 120VAC DIMMABLE DRIVER
EM2-200S24DC	200W 120VAC DIMMABLE DRIVER, 2 96W CIRCUITS
EM3-300S24DC	300W 120VAC DIMMABLE DRIVER, 3 96W CIRCUITS
EM2-200524DC-277	200W 120VAC DIMMABLE DRIVER, 2 96W CIRCUITS
EM3-300S24DC-277	288W 120VAC DIMMABLE DRIVER, 3 96W CIRCUITS
IMENSIONS	

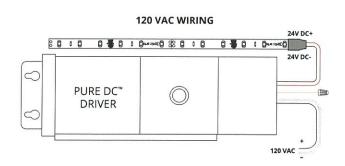
H 2.11"; W 7.38"; D 1.60" 10W-50W

60W-96W	H 3.93"; W 8.13"; D 1.59"	
200-300W	H 5.69"; W 10.29"; D 3.13"	

DIMMING PERFORMANCE

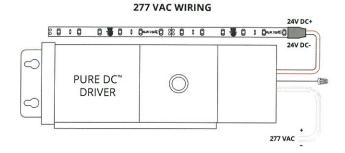
MLV DRIVER Dims to 20% on most MLV dimmers

NOTE: Must be loaded between 75%-100% of rated load to maintain FLEX DC® warranty



PURE DC[™] MLV (PDC)

PART	DESCRIPTION
PDC.40.24	40W 120/277VAC PURE DC™ MLV DIMMABLE DRIVER
PDC.96.24	96W 120/277VAC PURE DC™ MLV DIMMABLE DRIVER
DIMENSIONS	
40W	L 14.25"; W 3.00"; H 2.88"
96W	L 14.75"; W 4.31"; H 4.81"
DIMMING PERFORMANCE	
PURE DC [™] DRIVER	Dims to 0.1% on most MLV dimmers



1130 Monterey Pass Rd, Monterey Park, CA 91754

Hiram

Banks

Design



213.250.6069 | customerservice@opticarts.com | www.opticarts.com otic arts[•] 8 of 12 Optic Arts reserves the right to modify this specification without prior notice. © Optic Arts 2018 Last Modified: May 21, 2018 9:37 AM Sebastopol Hotel Project #: 184-17 Date: 07/24/18 Lighting LIGHTING FIXTURE CUTSHEET Issue: 70% CD PERMIT SET The work contained in this document is the property of Hiram Banks Lighting Design and may not be modified in any manner without expressed written permission. This includes, but is not limited to quantity, spacing, and type of lighting equipment.

Hiram Banks Lighting Design • 461 Second Street, #659 • San Francisco, CA 94107 • 415 618 0855 tel • 415 618 0856 fax

TYPE

L2



Type:

Project:

Modified:

Quantity:

Notes:

DISCLAIMER - When using a control system, consult dimming system manufacturer with minimum load before installing 12V AC transformer. Malfunction and damage to product due to improper dimming system installation or misuse will not be covered under warranty. Only DC Drivers are recommended for dimming systems. Consult MP Lighting for recommended drivers.

*MP Lighting reserves the right, at its sole discretion, at any time and without notice, to make design changes to any of our products.

Order Guide

Design

Example: L312-1-W20S-S-C-HM-D-P-0-MA

Code L312	Wattage 1 = 1W	Color 	Beam T= thin spot (10°)	Lens C = clear	option 	Input Voltage	Flange + Box	Base Height 0 = no base	-	Finish e clear anodized
	2 = 2.5W	W205 = 2000, 00+CH W225 = 2200K, 80+CH W305 = 3000K, 80+CH W305 = 3500K, 80+CH W415 = 4100K, 80+CH W27H = 2720K, 90+CH W30H = 3000K, 90+CH W35H = 3500K, 90+CH		F = frosted	LM = louver, matte anodized LB = louver, black anodized HM = hex louver, matte anodized HB = hex louver, black anodized		P = paving stone flange/box, 5-1/2" (140nm) ** please go to page 2 & 3 for more into on custom boxes	2 = 2° (51mm) 6 = 6° (152mm)	BA = black BZ = bronz S6 = stainl PBR = poli ABR = anti	anodized ee anodized ess steel 316 shed brass
		"W22S only for DC "W20S only for AC			* Louver is not availabl Bracket. * Internal angle bracke Cannot be field adjuste	t factory set.				
All techn	ical informat	ion in this document is sub	ject to change. Cop	yright © MP L	ighting.	www.mp	blighting.com t 1.877.	708.1184 f604.70	8.1185	12-2017
ram Inks	Set	bastopol H	otel		Project	#: 184-1	7 Date	: 07/24/1	8	TYPE
ghting	LIG	HTING FIXTUR	RE CUTSH	EET	Issue: 7	0% CD P	ERMIT SE	Г		12

L312-L01

Application	Exterior/interior directional in-grade light for lighting walls, columns, architectural features or landscape features. Applicable for mounting into floors, walls, ceilings or other surfaces where a non-obtrusive luminaire is required. suitable for drive-over and walk-over applications. For dry / wet locations.	
IP Rating	66	
Mounting	Comes with splice box, aluminum flange and level gauge. Can be buried in earth/gravel or cast into concrete/paving stone with or without mounting base. Designed to be cast into concrete or inserted into paving stone. Includes 6" wire lead.	
Electrical	1.0 Watt 2.5 Watt	
	*See website for recommended drivers *Remote emergency driver / inverter options available. Consult factory.	
Power	1.0 Watt	
Consumption	2.5 Watt	
Light Output	1.0 Watt, 43~52Im 2.5 Watt, 69~70Im *For photometric data, see page 04	
Warranty	5 years limited warranty Estimated useful life of LED is 50,000 hours.	
Material	Solid anodized aluminum, brass or stainless steel (316) with 1/4" (6mm) thick tempered glass lens. RoHS compliant	
Drive Over Rating	2200kg/4850lbs	
Weight	-	

[▶] MPLIGHTING®

Approval

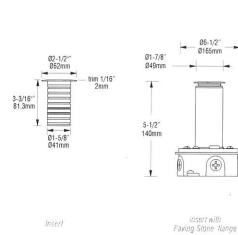
Hiram Banks Lighting Design • 461 Second Street, #659 • San Francisco, CA 94107 • 415 618 0855 tel • 415 618 0856 fax

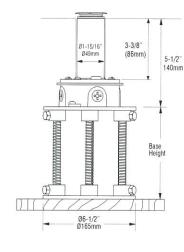
The work contained in this document is the property of Hiram Banks Lighting Design and may not be modified in any manner without expressed written permission. This includes, but is not limited to quantity, spacing, and type of lighting equipment.

L3



DIMENSION:





Paving standard liange with MK2

LIGHT DISTRIBUTION:

1Watt



12° (Spot Beam), Clear lens. Matte clear anodized

2.5Watt



12° (Spot Beam), Clear lens, Matte clear anodized



30° (Narrow Flood Beam), Glear lens, Matte clear anodized



30° (Narrow Flood Beam), Clear tens, Matte clear anodized

SEP 1 3 2018

All technical information in this document is subject to change. Copyright @ MP Lighting.

www.mplighting.com t 1.877.708.1184 f 604.708.1185

12-2017

Hiram Banks	Sebastopol Hotel	Project #: 184-17 Date: 07/24/18		TYPE	
Lighting Design	LIGHTING FIXTURE CUTSHEET	Issue: 70% CD PERI	L3		
Beeigh	The work contained in this document is the property of Hiram Banl This includes, but is not limited to quantity, spacing, and type of li		manner without expressed written permission.	LU	

[∽] MPLIGHTING*

PHOTOMETRIC DATA:

1W, 3000K, Clear lens

6.0'

0

0° Spread: 28.1°

23.4

2.5W, 3000K, Clear lens

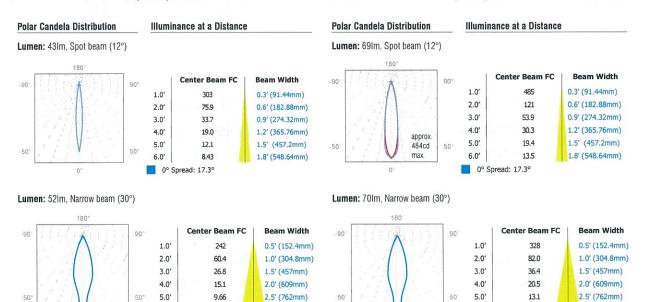
6.0'

0

0° Spread: 28.1°

9.11

3.0' (914.4mm)



3.0' (914.4mm)

All technical information in this document is subject to change. Copyright © MP Lighting.

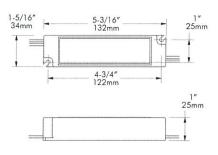
www.mplighting.com t 1.877.708.1184 f 604.708.1185

10-2017

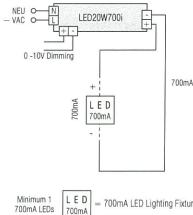
Hiram Banks	Sebastopol Hotel	Project #: 184-17	Date: 07/24/18	TYPE	
Lighting Design	LIGHTING FIXTURE CUTSHEET	Issue: 70% CD PERI	L3		
	The work contained in this document is the property of Hiram Bank This includes, but is not limited to quantity, spacing, and type of lig		manner without expressed written permission.		



Dimention:



Driver Diagram:



Specification Sheet

LED20W700iB LED20W700i

HIGH POWER CONSTANT CURRENT LED DRIVER

Features:

- UL Class 2, limited output and current with isolation for safe operation.
- Small, compact size
- Inherent short circuit protection
- Tight regulated output (1% line, 5% load) to maximize LED performance.

AC Input Voltage: 120V, 50/60Hz DC Output Voltage: DC Output Current: Output Wattage: Power Factor: 0.90 Min Short Circuit Protection: Yes **Overload Protection:** Yes Over-voltage Protection: Yes **Dimming Function: Operating Temperature:** Maximum Case Temperature: Total Harmonic Distortion: 20% Max Case Material: Weight: Approval: UL

2.8~28VDC 700mA Constant 20W Max Yes (0 ~ 10V Dimming) -40 ~ 60°C (-40 ~ 140°F) 90°C (194°F) Non Conductive White Plastic 136g (0.30 lbs)

Dry+Damp location

Note: Consult factory for maximum wiring length.

Caution: Do not install on-off switch at the output (load) side of a constant current LED driver as it will damage the fixture(s). Warranty will be void on both driver and fixture(s). ***USE WITH EBX-160-ZP ENCLOSURE**

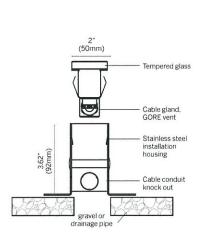
ORDER CODE ENCLOSURE LED20W700i В B = drive enclosure (6-1/4" x 5" x 2") 700mA LED Lighting Fixture [Project] [Quantity] SEP 1 3 2018 [→] MPLIGHTING [Notes] t 604.708.1184 f 604.708.1185 www.mplighting.com 16 West 4th Avenue, Vancouver BC, Canada, V5Y 1G3 07104140

c AL'us

Banks	Sebastopol Hotel	Project #: 184-17	Date: 07/24/18	TTPE
Lighting Design	LIGHTING FIXTURE CUTSHEET	Issue: 70% CD PER	MIT SET	L3
	The work contained in this document is the property of Hiram Ban This includes, but is not limited to quantity, spacing, and type of li		v manner without expressed written permission.	

Step Up Wallwash Specifications





Ordering Information¹ F SW 24 Н WW Power Model Voltage Length Color Optics Options Housing F SW 12 Н 30 WW 24 C1 **SU12** C2 C3 24 35 SU24 48 40 **SU48** RXX³

¹Specify remote power supply separately below. ³See page 2 for details.

Luminaire

- Trimless for seamless integration into grade
- Single luminaire or continuous run of . standard lengths
- IP67, UL STD 1598, wet location. Pedestrian driveover rated 3000 lb
- Stainless steel construction 304 with clear tempered glass 3/8" thick, with asymmetric optics
- Installation housing, stainless steel 304 construction, direct concrete pour
- 3.3' (1m) feed cable standard

Length

- 12 = 12.8" (324mm) OAL
- 24 = 24.6" (624mm) OAL
- 48 = 48.2" (1224mm) OAL
- RXX = R(dimension) continuous run of standard lengths

Power

H = 7W/ft, 3000K, 475 lm/ft

□ inter•lux

Color Temperature

- 30 = 3000K
- 35 = 3500K
- 40 = 4000K
- 2 Step MacAdam
- CRI: > 85

Optics

■ WW = wallwash

Voltage

24 = 24VDC fixture voltage

Options

- C1 = 10' (3m) feed cable
- C2 = 20' (6m) feed cable
- C3 = 30' (9m) feed cable

Housing

- SU12 = 12" housing
- SU24 = 24" housing
- SU48 = 48" housing

Power Supply² (Remote)

Non-Dim

- D-520-24007: Osram 96W, 24VDC, 120-277VAC Dim
- D-520-24006: Osram 10% 0-10V dimming, 96W, 24VDC, 120-277VAC
- □ IL-JB-LED-24003-120V-DFPN: Lutron LTE 1% Forward Phase (with neutral) dimming, 5-40W, 24VDC, 120VAC, Case K, dry location enclosure
- □ IL-JB-LED-24010-UNV-D3W: Lutron L3D 1% 3-wire dimming, 5-40W, 24VDC, 120-277VAC,
- □ IL-JB-LED-24010-UNV-DES: Lutron L3D 1% EcoSystem dimming, 5-40W, 24VDC, 120-277VAC, Case K, supplied in a dry location enclosure

²See power supply pages for details. No enclosure, unless stated. Im80 values shown.





Hiram TYPE Project #: 184-17 Sebastopol Hotel Date: 07/24/18 Banks Lighting LIGHTING FIXTURE CUTSHEET Issue: 70% CD PERMIT SET Design The work contained in this document is the property of Hiram Banks Lighting Design and may not be modified in any manner without expressed written permission This includes, but is not limited to quantity, spacing, and type of lighting equipment

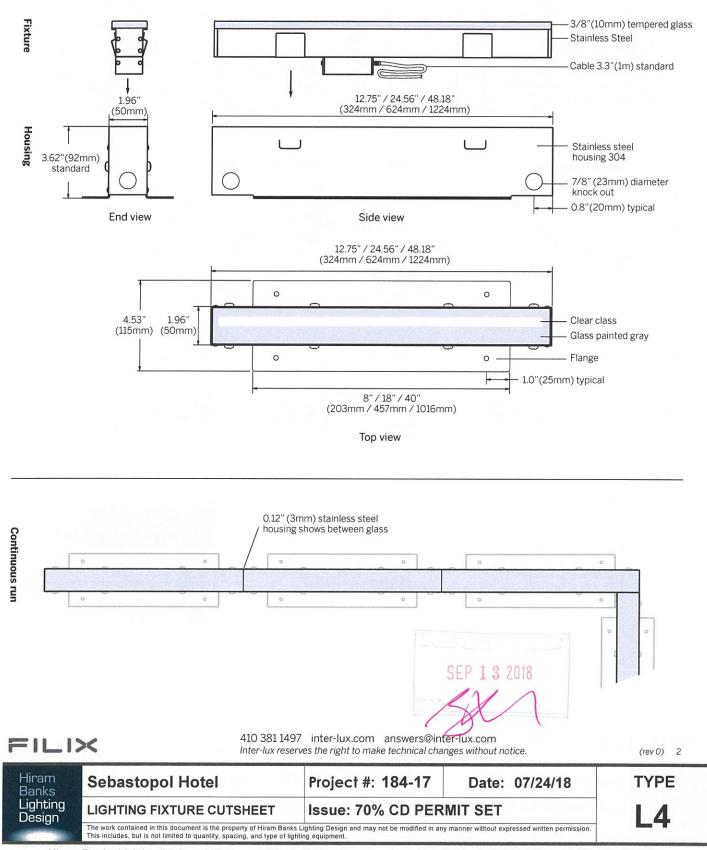
Hiram Banks Lighting Design • 461 Second Street, #659 • San Francisco, CA 94107 • 415 618 0855 tel • 415 618 0856 fax

(rev 1) 1

- Case K, dry location enclosure

Step Up Wallwash Dimensions





Step Up Wallwash Power Supplies

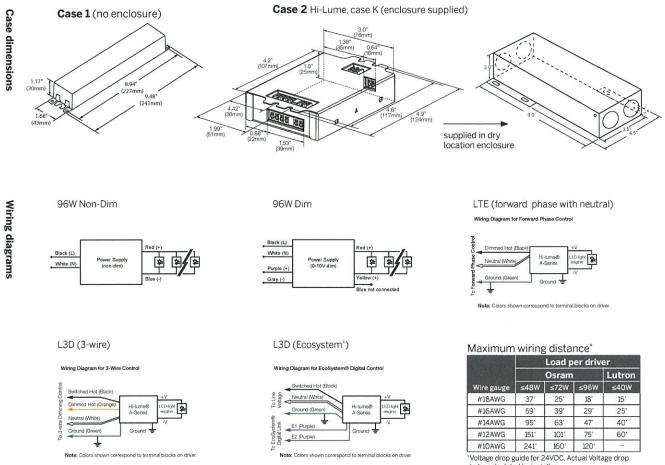


Single Color Drivers

FILIX

Qty.	Part Number	Description	Case	Nominal Input Voltage (V)	Nominal Input Current (A)	Power Factor	Output Power Range (W)	Dimming Mode	Dimming Control	Dimming Range	Location Rating
	D-520-24007	Osram non-dim	1	120 277	0.97 0.39	0.9	1-96	N/A	N/A	N/A	Damp
-	D-520-24006	Osram 0-10V dim	1	120 277	0.97 0.39	0.9	1-96	PWM	0-10V	10 -100%	Damp
	IL-JB-LED-24003- 120V-DFPN	Hi-Lume A Series LED LTE	2	120	0.38	0.99	5-40	PWM	Forward phase with neutral	1 –100%	Dry
	IL-JB-LED-24010- UNV-D3W	Hi-Lume A Series LED L3D, 3-wire	2	120 277	0.38 0.17	0.99 0.96	5-40	PWM	3-Wire	1 –100%	Dry
	IL-JB-LED-24010- UNV-DES	Hi-Lume A Series LED L3D, EcoSystem	2	120 277	0.37 0.17	0.99 0.96	5-40	PWM	Ecosystem®	1 –100%	Dry

Although it is possible to exceed the remote mounting distance, the installer and/or end user must take precautions to prevent and/or test the effects of EMI (electromagnetic interference).



to be calculated by installer

i-IL	Inter-lux	reserves the right to make technical c	hanges without notice.	(rev 0) 3
Hiram Banks	Sebastopol Hotel	Project #: 184-17	Date: 07/24/18	TYPE
Lighting Design	LIGHTING FIXTURE CUTSHEET	Issue: 70% CD PERI	WIT SET	L4
Design	The work contained in this document is the property of Hiram Bani This includes, but is not limited to quantity, spacing, and type of li		manner without expressed written permission.	

410 381 1497 inter-lux.com answers@inter-lux.com

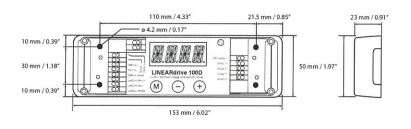
Step Up Wallwash RGB Interface



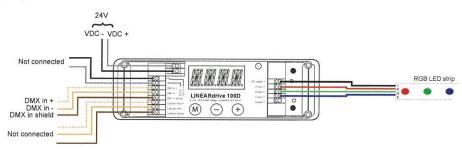
RGB Control Interface Details

Qty.	Part Number	Description	Nominal Input Voltage (V)	Maximum Output per channel (W)	Output Power Range (W)
	D-550-20003	DMX/Sequencer Interface	24	32	96

RGB Control case dimensions (DMX/Sequencer Interface)



Wiring Diagram



See installation / driver instructions for details. Must order power supply separately

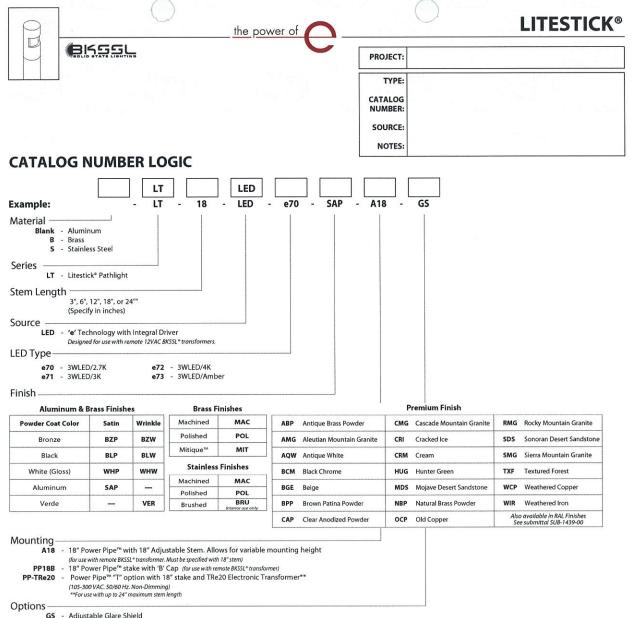


FILIX

410 381 1497 inter-lux.com answers@inter-lux.com Inter-lux reserves the right to make technical changes without notice.

(rev 0) 4

Hiram Banks	Sebastopol Hotel	Project #: 184-17	Date: 07/24/18	TYPE
Lighting Design	LIGHTING FIXTURE CUTSHEET	Issue: 70% CD PER	MIT SET	L4
	The work contained in this document is the property of Hiram Banks This includes, but is not limited to quantity, spacing, and type of light	Lighting Design and may not be modified in any ing equipment.	y manner without expressed written permission.	

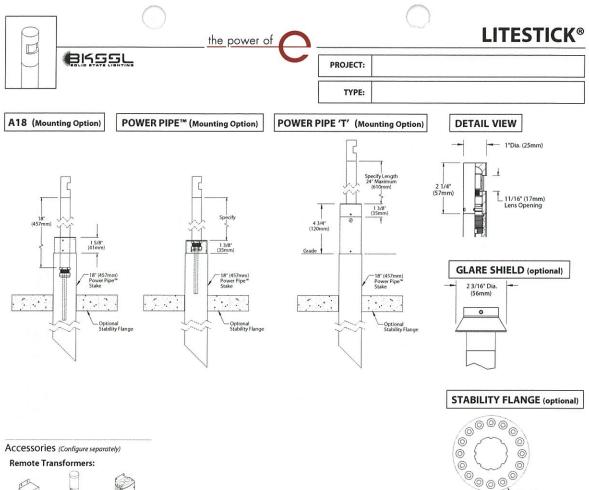


GS - Adjustable Glare Shield SF - Stability Flange (for use with Power Pipe™)

DRIVER D		Input Volts	17	InRush Current 10A Max	Operation Ambien -10°F-13	
LM79 DAT		VAC/DC 50/0011	12		PTICAL DATA	
BK No.	CCT (Typ.)	Input Watts (Typ.)	CRI	Minimum Rated Life (hrs.) 70% of initial lumens (L ₇₀)	Beam Type	Angle
e70	2700K	3	80	50,000	Radial	360°h x 270°v
e71	3000K	3	80	50,000	Radial	360°h x 270°v
e72	4000K	3	80	50,000	Radial	360°h x 270°v
e73	Amber (590nm)	3	~	50,000	Radial	360°h x 270°v
				40429 Brickyard Drive • Madera, CA 93636 559,438,5800 • FAX 559,438,5900	USA RELEASED	DRAWING NUMBER
B-r	(LIGH			559.438.5800 • FAX 559.438.5900 www.bklighting.com • info@bklighting.co	om 02-01-16	SUB001109

DESCRIBE. REPRODUCTION, DISCLOSURE OR USE WITHOUT SPECIFIC WRITTEN AUTHORIZATION OF B-K LIGHTING, INC. IS STRICTLY FORBIDDEN.

Hiram Banks	Sebastopol Hotel	Project #: 184-17	Date: 07/24/18	TYPE
Lighting Design	LIGHTING FIXTURE CUTSHEET	Issue: 70% CD PER	MIT SET	L5
	The work contained in this document is the property of Hiram Banks This includes, but is not limited to quantity, spacing, and type of light		y manner without expressed written permission.	



TR Series Power Pipe UPMRM

SPECIFICATIONS

GreenSource Initiative'

Metal and packaging components are made from recycled materials. Manufactured using renewable solar energy, produced on site. Returnable to manufacturer at end of life to ensure cradle-to-cradle handling. Packaging contains no chlorofluorocarbons (CFC's). Use of this product may qualify for GreenSource efficacy and recycling rebate(s). Consult www.bklighting.com/greensource for program requirements

Materials

Furnished in Copper-Free Aluminum (Type 6061-T6), Brass (Type 360) or Stainless Steel (Type 304).

Body Fully makined from solid billet. Unibody design provides enclosed, water-proof wireway and integral heat sink for maximum component life. High temperature, silicone 'O' Ring provides water-tight seal.

Fully machined from solid billet with 11/16" lens opening. 360° rotation for precise optic positioning. Tamper resistant, stainless steel set screw.

Optional 2-3/16" dia. machined glare shield reduces aperture brightness.

Stem Fully machined, 1" dia. with internal threads for maximum visual appeal. Available in configurable lengths to 24" maximum overall.

Lens

Shock resistant, tempered, frosted glass lens is factory adhered to fixture cap and provides hermetically sealed optical compartmen

BKSSL®

Integrated solid state system with 'e' technology is scalable for field upgrade. Modular design with electrical quick disconnects permit field maintenance. High power, forward throw source complies with ANSI C78.377 binning requirements. Exceeds ENERGY STAR[®] lumen maintenance requirements. LM-80 certified components. Side emitting optical grade lens delivers high efficiency, radial light distribution.

Installation Available for installation in three distinct mounting conditions:

Power Pipe[™]

Provides a clean transition from wiring system to fixture. Schedule 80, 18" PVC housing for direct burial into soil or concrete. Machined 2-1/4" dia. cap for fixture mounting. Stainless steel hardware. Optional 6" diameter, molded stability flange, which simplifies installation and jects into substrate to reinforce housing stability. For use with 12VAC BISSSL remote transformer.

Power Pipe" with Adjustable Mount Features 18" Power Pipe" and 18" stem which passes through a machined Delrin" bushing within the Power Pipe" Cap. (3) stainless steel set screws secure fixture position (Not available with integral

Power Pipe^{III} with Transformer Housing (Optional) Additionally features integral transformer housing fully machined from copper-free aluminum. High temperature, silicone 'O' Ring provides water-tight seal. Integral, TRe20 electronic transformer. 105-300VAC primary voltage. 50/60Hz. Non Dimming. 20VA maximum load.

40429 Brickyard Drive • Madera, CA 93638 • USA 559,438,5800 • FAX 559,438,5900

Remote Transformer For use with 12VAC Information remote transformer or magnetic transformers only. B-K Lighting cannot guarantee performance with third party manufacturers' transformers.

All dimensions indicated on this submittal are nominal.

Contact Technical Sales if you require more stringent specifications.

5 7/8" Dia (149mm)

Wiring PVC coated, 18AWG, 150V, 60°C rated and certified to UL 1838 standard.

Hardware Tamper-resistant, stainless steel hardware.

Finish

StarGuard[®], our exclusive RoHs compliant, 15 stage chromate-free process cleans and conversion coats aluminum components prior to application of Class 'A' TGIC polyester powder coating. Brass components are available in powder coat or handcrafted metal finish. Stainless steel components are available in handcrafted metal finish. (Brushed finish for interior use only).

Warranty 5 year limited warranty.

Certification and Listing ITL tested to IESNA LM-79. UL Listed. Certified to CAN/CSA/ANSI Standards. RoHs compliant. Suitable for indoor or outdoor use. Suitable for use in wet locations. IP66 Rated, Made in USA

® RoHS UBA

RELEASED

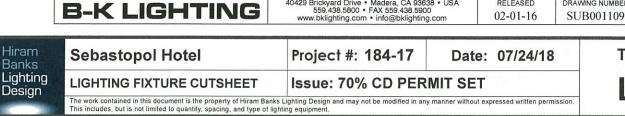
*Energy Star is a registered trademark of the United States Environmental Protection Agency.

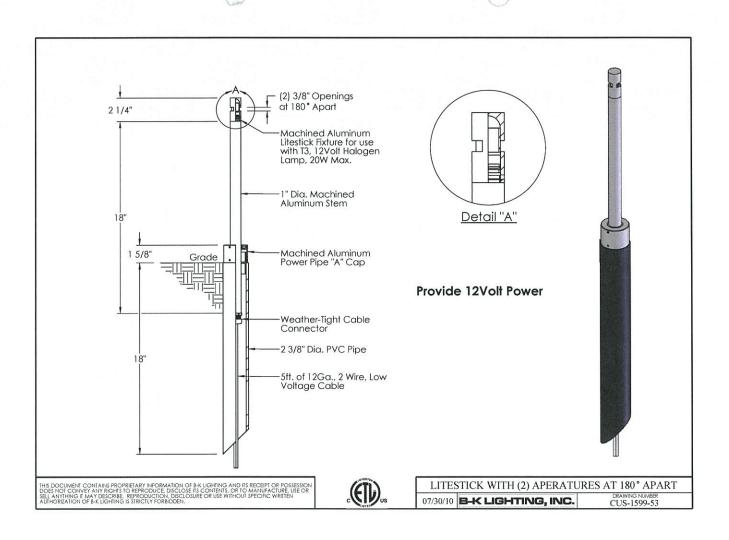
DRAWING NUMBER

TYPE

L5







CUSTOM LITESTICK WITH (2) APERATURES AT 180° APART TO BE SUPPLIED WITH LED SOURCE.

Hiram Banks	Sebastopol Hotel	Project #: 184-17 Date: 07/24/18		TYPE	
Lighting Design	LIGHTING FIXTURE CUTSHEET	Issue: 70% CD PER	L5		
Ecolgin	The work contained in this document is the property of Hiram Bank This includes, but is not limited to quantity, spacing, and type of lig		v manner without expressed written permission.		

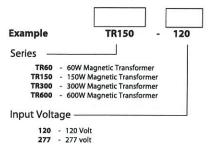


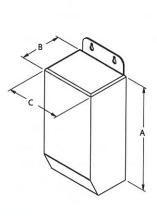
Magnetic Transformer

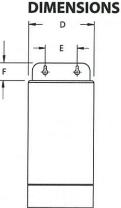


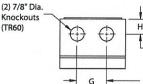
PROJECT:	
TYPE:	
CATALOG NUMBER:	
SOURCE:	
NOTES:	

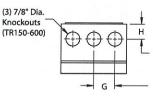
CATALOG NUMBER LOGIC











TRANSFORMER DATA

	•••••									sions indicated on al Sales if you requ		
Series	Input Voltage	Max. Load	Circuit Breaker	Weight	Height A	Depth B	с	D	E	F	G	н
TR60	120V	60W	8A	3.7 lbs.	7-1/2"	2-15/16"	3"	3-7/64"	1-1/2"	1-1/16"	1-1/2"	3/4"
TR150	120V	150W	25A	6 lbs.	8"	3-3/32"	4-3/32"	5-1/2″	4-1/8"	1-1/8"	1-5/16"	15/16"
TR300	120V	300W	25A	7.13 lbs.	8"	3-3/32"	4-3/32"	5-1/2"	4-1/8"	1-1/8"	1-5/16"	15/16"
TR600	120V	600W	25A	14.9 lbs.	9-13/32"	4-3/32"	4-19/32"	5-3/4"	4-5/8"	1-1/16"	1-1/2"	1-1/4"
TR60	277V	60W	8A	3.7 lbs.	7-1/2"	2-15/16"	3"	3-7/64"	1-1/2"	1-1/16"	1-1/2"	3/4"
TR150	277V	150W	25A	6 lbs.	8"	3-3/32"	4-3/32"	5-1/2″	4-1/8*	1-1/8"	1-5/16"	15/16"
TR300	277V	300W	25A	7.13 lbs.	8"	3-3/32"	4-3/32"	5-1/2″	4-1/8"	1-1/8"	1-5/16"	15/16"
TR600	277V	600W	25A	14.9 lbs.	9-13/32"	4-3/32"	4-19/32"	5-3/4"	4-5/8"	1-1/16"	1-1/2"	1-1/4

SPECIFICATIONS

Housing Stainless steel, NEMA Outdoor 3R rated enclosure. [2] (TR60) or [3] (TR150-600) bottom entry 7/8" knockouts provide access to wiring compartment. Riveted, hinged cover opens vertically from bottom to top for service access.

Transformer

Iransformer Fully encapsulated, Class B insulated, low voltage magnetic transformer. 120VAC or 277VAC input. 12VAC output (fully loaded). 0.6A (120VAC) or 0.3A (277VAC) maximum no load input current. Manual thermal reset. Secondary circuit breaker. Enclosure temperature <65° C when fully loaded (in 40° C ambient).

For use with halogen and CASSE products. Fully dimmable utilizing magnetic low voltage dimmers. Consult fixture specification for dimming capability.

Output Wiring See B-K Lighting Low Voltage Design Guide on reverse.

Warranty Limited five year warranty.



c (HL) us

SEP 1 3 2018

40429 Brickyard Drive • Madera, CA 93636 • USA 559.438.5800 • FAX 559.438.5900 www.bklighting.com • info@bklighting.com SUBMITTAL DATE SUBMITTAL NUMBER IG -K NG 7-30-13 **TR-SERIES** THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF B-K LIGHTING, INC. AND ITS RECEIPT OR POSSESSION DOES NOT CONVEY ANY RIGHTS TO REPRODUCE, DISCLOSE ITS CONTENTS, OR TO MANUFACTURE, USE OR SELL ANYTHING IT MAY DESCRIBE. REPRODUCTION, DISCLOSURE OR USE WITHOUT SPECIFIC WRITTEN AUTHORIZATION OF B-K LIGHTING, INC. IS STRICTLY FORBIDDEN.

Hiram Banks	Sebastopol Hotel	Project #: 184-17	Date: 07/24/18	TYPE
Lighting Design	LIGHTING FIXTURE CUTSHEET	Issue: 70% CD PERI	MIT SET	L5
	The work contained in this document is the property of Hiram Ban This includes, but is not limited to quantity, spacing, and type of li		manner without expressed written permission.	LV

Low Voltage Guide

Many B-K LIGHTING fixtures operate on 12 volts. Taking advantage of these energy-saving fixtures requires appropriate care in planning the electrical wiring system. To maintain expected lamp performance, we recommend the following procedures in sizing your low-voltage wiring system.

SIZING OF LOW VOLTAGE WIRING

- 1. Locate and plot fixtures on plan. Choose the lighting equipment necessary to create the desired lighting effects. Mark lamp wattage for each fixture location.
- Identify potential transformer locations. The ideal locations are those which provide for the shortest possible low voltage distances (inconspicuous areas, behind rocks, shrubbery, etc., within the landscape). UPM, Power Pipe™, Power Pipe II™, or, if available, transformers integral in the fixture are good ways to hide the transformer and reduce voltage drop problems.
- Add the total wattage for the proposed low voltage run. Measure the wire lengths from the transformer to the fixture locations. Find the distance to the "CENTER OF LOAD" of the low voltage run.

CENTER		Distance from first to last fixture		Distance from transformer	
OF LOAD	=	(2) Two	÷	to first fixture	

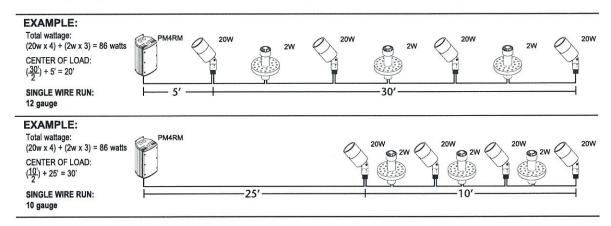
4. Using the B-K LIGHTING Wire Selection Table, select the wattage column which applies. Look down the column stopping at a distance, in feet, that is equal or greater than the "CENTER OF LOAD" distance. Look across to find the proper wire size for your layout.

						12-VC	OLT WI	RE SE	LECTIC	ON TAB	LE						
WIRE							-	TOTA	L WAT	TAGE							
SIZE	12	20	24	35	40	50	60	70	80	100	105	120	140	150	160	200	250
12	178	106	89	60	53	42	35	30	26	21	20	17	15	13	_		-
10	283	169	141	96	85	67	56	48	42	33	32	28	24	22	19	17	13
8	450	269	225	154	135	107	90	77	67	54	51	45	38	36	31	27	21
6	715	428	357	245	214	171	143	122	107	85	81	71	61	57	49	42	34
						CENT	FR OF	OADV	VIRING	DISTAN	CES IN	FEET			001000000000000000000000000000000000000	29000	

Note: In the event of multiple runs from a given transformer, treat each run separately.

The Wire Selection Table provided is based on a maximum allowable voltage drop of 5%. Electrical designs which allow greater than 5% voltage drop, reduce rated light output beyond acceptable levels.

The importance of the proper wire selection is demonstrated below. Both examples have the same total watts and identical overall lengths of wire run, yet require different wire sizes, or multiple wire runs, to operate within the 5% maximum voltage drop B-K LIGHTING criteria.



TRANSFORMERS

For areas which are far reaching from fixtures, running 120 volt power to each fixture location with individual transformers, such as TRSS75 or TRSS150, provides an excellent economic solution to voltage drop. These transformers can also be specified in the UPM, Power Pipe™, and Power Pipe II[™] transformer housings.

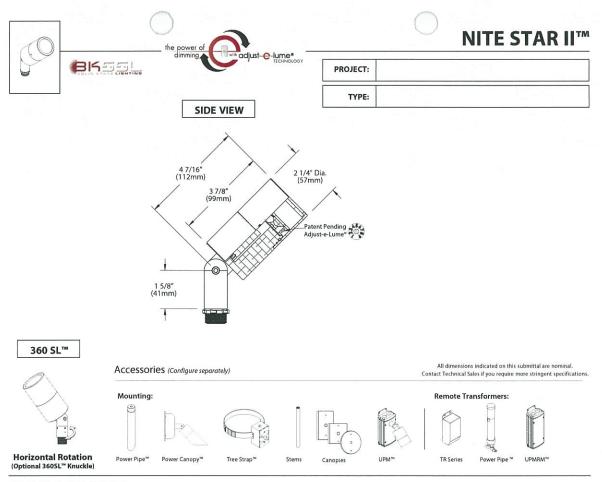
Note: Installations should be in accordance with the National Electric Code and applicable local codes.

🚰 B-K LIGHTING

Hiram Banks Lighting Design	Sebastopol Hotel	Project #: 184-17	Date: 07/24/18	TYPE
	LIGHTING FIXTURE CUTSHEET	Issue: 70% CD PER	15	
Design	The work contained in this document is the property of Hiram Ban This includes, but is not limited to quantity, spacing, and type of li		y manner without expressed written permission.	LV

$\langle \bigcirc$				power of	with adjust	-C-lume*						
	315==					TECHNOLOGY	PROJECT:					
						l	TYPE:	<u> </u>				
							CATALOG NUMBER:					
							SOURCE:					
CATALOG	NUMP		GIC			l	NOTES:					
] []					
xample		- NS		- e64 -	SP -	- A5 - BZW	- 12	- 11 -	360SL			
			T.				Ī	1				
Aaterial ——— Blank - Alur	ninum											
B - Bras	5											
S - Stair	uess Steel											
NSII - Nite Star	II TM											
ource												
LED - 'e' T Desig	echnology with ned for use with re	n Integral Din	nming Driver (S	See Specification	ns for Dim	ming) e dimmer						
ED Type		and the ph.	anaronnels.									
e64 - 7WL			- 7WLED/4K									
e65 - 7WL	ED/3K		- 7WLED/Amb	ber								
ptics*												
	ow Spot (Red li	ndicator)	M	IFL - Medium	Flood (Ye	llow Indicator)						
			Yours				1					
SP - Spot	(Green Indicat	or)	W	/FL - Wide Flo								
djust-e-Lume® A9 (Standard	Output Inte) , A8, A7, A6,	ensity** (c) A5, A4, A3, A	hoose factory settin									
djust-e-Lume® A9 (Standard	Output Inte	ensity** (c) A5, A4, A3, A	hoose factory settin									
djust-e-Lume® A9 (Standarc **Please see Adju nish	Output Inte), A8, A7, A6, :t-e-Lume*photom	ensity** ര A5, A4, A3, A	hoose factory settin 1 2, A1 desired intensity.	ng) ———								
ljust-e-Lume® A9 (Standarc **Please see Adju nish Alumin	Dutput Inte), A8, A7, A6, :t-e-Lume*photom um Finish	ensity** (G A5, A4, A3, A etry to determine	hoose factory settin 12, A1 desired intensity. Brass	^{ig)}	ood (Blue I	ndicator)		Premium Fin				
ljust-e-Lume® A9 (Standarc **Please see Adju nish Alumin Powder Coat Color	Dutput Inte), A8, A7, A6, . :t-e-Lume*photom um Finish Satin	ensity** (Ci A5, A4, A3, A etry to determine Wrinkle	hoose factory settin 12, A1 desired intensity. Brass Machined	Finish MAC	ABP	Antique Brass Powder	сма	Cascade Mo	n ish untain Granite	0.000000	Rocky Mountain Granite	
djust-e-Lume® A9 (Standarc **Please see Adju nish Alumin Powder Coat Color Bronze	Dutput Inte), A8, A7, A6, , it-e-Lume*photom um Finish Satin BZP	ensity** (Ci A5, A4, A3, A etry to determine Wrinkle BZW	hoose factory settin 12, A1 desired intensity. Brass	^{ig)}	ABP AMG	Antique Brass Powder Aleutian Mountain Gra	CMG anite CRI	Cascade Mo Cracked Ice		SDS	Sonoran Desert Sandstone	
djust-e-Lume® A9 (Standarc **Please see Adju nish Alumin Powder Coat Color Bronze Black	Dutput Inte), A8, A7, A6, . :t-e-Lume*photom um Finish Satin BZP BLP	ensity** (C A5, A4, A3, A etry to determine Wrinkle BZW BLW	hoose factory settin 12, A1 desired intensity. Brass Machined Polished Mitique™	Finish MAC POL MIT	ABP AMG AQW	Antique Brass Powder Aleutian Mountain Gra	anite CRI CRM	Cascade Mo Cracked Ice Cream	untain Granite	SDS SMG	Sonoran Desert Sandstone Sierra Mountain Granite	
djust-e-Lume® A9 (Standarc **Please see Adju nish Alumin Powder Coat Color Bronze Black White (Gloss)	Dutput Internet Inter	ensity** (C A5, A4, A3, A etry to determine Wrinkle BZW BLW WHW	hoose factory settin 12, A1 desired intensity. Brass Machined Polished Mitique™	Finish MAC POL	ABP AMG AQW	Antique Brass Powder Aleutian Mountain Gra	anite CRI CRM	Cascade Mo Cracked Ice	untain Granite	SDS	Sonoran Desert Sandstone	
djust-e-Lume® A9 (Standarc **Please see Adju nish Alumin Powder Coat Color Bronze Black	Dutput Inte), A8, A7, A6, . :t-e-Lume*photom um Finish Satin BZP BLP	ensity** (C A5, A4, A3, A etry to determine Wrinkle BZW BLW	hoose factory settin (2, A1 desired intensity. Brass Machined Polished Mitique™ Stainle:	Finish MAC POL MIT ss Finish MAC POL	ABP AMG AQW	Antique Brass Powder Aleutian Mountain Gra	anite CRI CRM	Cascade Mo Cracked Ice Cream Hunter Gree	untain Granite	SDS SMG	Sonoran Desert Sandstone Sierra Mountain Granite	
djust-e-Lume® A9 (Standarc **Please see Adju nish Alumin Powder Coat Color Bronze Black White (Gloss)	Dutput Internet Inter	ensity** (C A5, A4, A3, A etry to determine Wrinkle BZW BLW WHW	hoose factory settin (2, A1 desired intensity. Brass Machined Polished Mitique™ Stainle: Machined	Finish MAC POL MIT ss Finish MAC	ABP AMG AQW BCM	Antique Brass Powder Aleutian Mountain Gra Antique White Black Chrome	anite CRI CRI CRM HUG	Cascade Mo Cracked Ice Cream Hunter Gree	untain Granite n ert Sandstone	SDS SMG TXF WCP WIR	Sonoran Desert Sandstone Sierra Mountain Granite Textured Forest Weathered Copper Weathered Iron	
djust-e-Lume® A9 (Standarc **Please see Adju nish Powder Coat Color Bronze Black White (Gloss) Aluminum Verde	Dutput Intervention	ensity** (CAAS, A4, A3, A A5, A4, A3, A etry to determine Wrinkle BZW BLW WHW —	hoose factory settin 12, A1 desired intensity. Brass Machined Polished Mitique [™] Stainle: Machined Polished	Finish MAC POL MIT ss Finish MAC POL BRU	ABP AMG AQW BGE BPP	Antique Brass Powder Aleutian Mountain Gra Antique White Black Chrome Belge	r CMG anite CRI CRM HUG MDS NBP	Cascade Mo Cracked Ice Cream Hunter Gree Mojave Des	untain Granite n ert Sandstone	SDS SMG TXF WCP WIR Also	Sonoran Desert Sandstone Sierra Mountain Granite Textured Forest Weathered Copper	
djust-e-Lume® A9 (Standarc **Please see Adju inish Powder Coat Color Bronze Black White (Gloss) Aluminum Verde ens Type	Dutput Intervention	ensity** (CAAS, A4, A3, A A5, A4, A3, A etry to determine Wrinkle BZW BLW WHW —	hoose factory settin 12, A1 desired intensity. Brass Machined Polished Mitique [™] Stainle: Machined Polished	Finish MAC POL MIT ss Finish MAC POL BRU Interior ung only	ABP AMG AQW BGE BPP CAP	Antique Brass Powder Aleutian Mountain Gra Antique White Black Chrome Beige Brown Patina Powder Clear Anodized Powde	r CMG anite CRI CRM HUG MDS NBP	Cascade Mo Cracked Ice Cream Hunter Gree Mojave Des Natural Bras	untain Granite n ert Sandstone	SDS SMG TXF WCP WIR Also	Sonoran Desert Sandstone Sierra Mountain Granite Textured Forest Weathered Copper Weathered Iron available in RAL Finishes	
djust-e-Lume® (A9 (Standarc ***Please see Adju nish Powder Coat Color Bronze Black White (Gloss) Aluminum Verde ens Type 12 - Soft 1	Dutput Intervention	ensity** (CAAS, A4, A3, A A5, A4, A3, A etry to determine Wrinkle BZW BLW WHW —	hoose factory settin 12, A1 desired intensity. Brass Machined Polished Mitique [™] Stainle: Machined Polished	Finish MAC POL MIT ss Finish MAC POL BRU	ABP AMG AQW BGE BPP CAP	Antique Brass Powder Aleutian Mountain Gra Antique White Black Chrome Beige Brown Patina Powder Clear Anodized Powde	r CMG anite CRI CRM HUG MDS NBP	Cascade Mo Cracked Ice Cream Hunter Gree Mojave Des Natural Bras	untain Granite n ert Sandstone	SDS SMG TXF WCP WIR Also	Sonoran Desert Sandstone Sierra Mountain Granite Textured Forest Weathered Copper Weathered Iron available in RAL Finishes	
djust-e-Lume® (A9 (Standarc ***Please see Adju nish Powder Coat Color Bronze Black White (Gloss) Aluminum Verde ens Type 12 - Soft I nielding	Dutput Inte), A8, A7, A6, it-e-Lume*photom um Finish Satin BZP BLP WHP SAP 	ensity** (CAAS, A4, A3, A A5, A4, A3, A etry to determine Wrinkle BZW BLW WHW —	hoose factory settin 12, A1 desired intensity. Brass Machined Polished Mitique [™] Stainle: Machined Polished	Finish MAC POL MIT ss Finish MAC POL BRU Interior ung only	ABP AMG AQW BGE BPP CAP	Antique Brass Powder Aleutian Mountain Gra Antique White Black Chrome Beige Brown Patina Powder Clear Anodized Powde	r CMG anite CRI CRM HUG MDS NBP	Cascade Mo Cracked Ice Cream Hunter Gree Mojave Des Natural Bras	untain Granite n ert Sandstone	SDS SMG TXF WCP WIR Also	Sonoran Desert Sandstone Sierra Mountain Granite Textured Forest Weathered Copper Weathered Iron available in RAL Finishes submittal SUB-1439-00	
djust-e-Lume® (A9 (Standard **Please see Adju nish Powder Coat Color Bronze Black White (Gloss) Aluminum Verde ens Type 12 - Soft I nielding 11 - Hore	Dutput Intervention	ensity** (CAAS, A4, A3, A A5, A4, A3, A etry to determine Wrinkle BZW BLW WHW —	hoose factory settin 12, A1 desired intensity. Brass Machined Polished Mitique [™] Stainle: Machined Polished	Finish MAC POL MIT ss Finish MAC POL BRU Interior ung only	ABP AMG AQW BGE BPP CAP	Antique Brass Powder Aleutian Mountain Gra Antique White Black Chrome Beige Brown Patina Powder Clear Anodized Powde	r CMG anite CRI CRM HUG MDS NBP	Cascade Mo Cracked Ice Cream Hunter Gree Mojave Des Natural Bras	untain Granite n ert Sandstone	SDS SMG TXF WCP WIR Also	Sonoran Desert Sandstone Sierra Mountain Granite Textured Forest Weathered Copper Weathered Iron available in RAL Finishes	2018
djust-e-Lume® (A9 (Standard **Please see Adju nish Powder Coat Color Bronze Black White (Gloss) Aluminum Verde ens Type 12 - Soft i nielding 11 - Hone ption	Dutput Inte), A8, A7, A6, it-e-Lume*photom um Finish BZP BLP WHP SAP 	ensity** (c. As, A4, A3, A etry to determine BZW BLW VER	hoose factory settin 12, A1 desired intensity. Brasss Machined Polished Mitique ^{rm} Stainle: Machined Polished Brushed	Finish MAC POL MIT ss Finish MAC POL BRU Interior ung only	ABP AMG AQW BGE BPP CAP	Antique Brass Powder Aleutian Mountain Gra Antique White Black Chrome Beige Brown Patina Powder Clear Anodized Powde	r CMG anite CRI CRM HUG MDS NBP	Cascade Mo Cracked Ice Cream Hunter Gree Mojave Des Natural Bras	untain Granite n ert Sandstone	SDS SMG TXF WCP WIR Also	Sonoran Desert Sandstone Sierra Mountain Granite Textured Forest Weathered Copper Weathered Iron available in RAL Finishes submittal SUB-1439-00	2018
djust-e-Lume® (A9 (Standard **Please see Adju inish Powder Coat Color Bronze Black White (Gloss) Aluminum Verde ens Type 12 - Soft I nielding 11 - Hore	Dutput Inte), A8, A7, A6, it-e-Lume*photom um Finish BZP BLP WHP SAP 	ensity** (c. As, A4, A3, A etry to determine BZW BLW VER	hoose factory settin 12, A1 desired intensity. Brasss Machined Polished Mitique ^{rm} Stainle: Machined Polished Brushed	Finish MAC POL MIT ss Finish MAC POL BRU Interior ung only	ABP AMG AQW BGE BPP CAP	Antique Brass Powder Aleutian Mountain Gra Antique White Black Chrome Beige Brown Patina Powder Clear Anodized Powde	r CMG anite CRI CRM HUG MDS NBP	Cascade Mo Cracked Ice Cream Hunter Gree Mojave Des Natural Bras	untain Granite n ert Sandstone	SDS SMG TXF WCP WIR Also	Sonoran Desert Sandstone Sierra Mountain Granite Textured Forest Weathered Copper Weathered Iron available in RAL Finishes submittal SUB-1439-00	2018
djust-e-Lume® (A9 (Standard **Please see Adju inish Powder Coat Color Bronze Black White (Gloss) Aluminum Verde ens Type 12 - Soft i nielding 11 - Hone ption 360SL - 360SL	Dutput Inter), A8, A7, A6, . it-e-Lume* photom um Finish BZP BLP BLP WHP SAP 	ensity** (c. As, A4, A3, A ety to determine Wrinkle BZW BLW WHW VER	hoose factory settin 12, A1 desired intensity. Machined Polished Mitique ^{rm} Stainle: Machined Polished Brushed Brushed Iting System	Finish MAC POL MIT ss Finish MAC POL BRU Interior une only 13 - Recti	ABP AMG AQW BCM BGE BPP CAP	Antique Brass Powder Aleutian Mountain Gra Antique White Black Chrome Beige Brown Patina Powder Clear Anodized Powde	r CMG anite CRI CRM HUG MDS NBP er OCP	i Cascade Mo Cracked Ice Cream Hunter Gree Mojave Des Natural Bras Old Copper	untain Granite n ert Sandstone s Powder	SDS SMG TXF WCP WIR Also Sec	Sonoran Desert Sandstone Sierra Mountain Granite Textured Forest Weathered Copper Weathered Iron available in RAL Finishes submittal SUB-1439-00 SEP 1 3	1
djust-e-Lume® (A9 (Standard **Please see Adju inish Powder Coat Color Bronze Black White (Gloss) Aluminum Verde ens Type 12 - Soft i nielding 11 - Hone ption 360SL - 360SL	Dutput Inter), A8, A7, A6, . it-e-Lume* photom um Finish BZP BLP WHP SAP 	ensity** (c. As, A4, A3, A etry to determine BZW BLW VER	hoose factory settin 12, A 1 desired intensity. Machined Polished Mitique ^{rm} Stainle: Machined Polished Brushed Brushed Infustion	Finish MAC POL MIT ss Finish MAC POL BRU Interior une only 13 - Recti	ABP AMG AQW BCM BGE BPP CAP	Antique Brass Powder Aleutian Mountain Gra Antique White Black Chrome Beige Brown Patina Powder Clear Anodized Powde Clear Anodized Powde	r CMG anite CRI CRM HUG MDS NBP er OCP	i Cascade Mo Cracked Ice Cream Hunter Gree Mojave Des Natural Bras Old Copper	untain Granite n ert Sandstone s Powder	SDS SMG TXF WCP WIR Also Sec	Sonoran Desert Sandstone Sierra Mountain Granite Textured Forest Weathered Copper Weathered Iron available in RAL Finishes submittal SUB-1439-00 SEP 1 3 SEP 1 3	1
djust-e-Lume® (A9 (Standarc **Please see Adju nish Powder Coat Color Bronze Black White (Gloss) Aluminum Verde ens Type 12 - Soft hielding 11 - Hone otion 360SL - 360SI	Dutput Inter), A8, A7, A6, . it-e-Lume* photom um Finish BZP BLP WHP SAP 	ensity** (c. As, A4, A3, A ety to determine Wrinkle BZW BLW WHW VER	hoose factory settin 12, A 1 desired intensity. Machined Polished Mitique ^{rm} Stainle: Machined Polished Brushed Brushed Infustion	Finish MAC POL MIT ss Finish MAC POL BRU BRU Interior surgery 13 - Rectil	ABP AMG AQW BCM BGE BPP CAP	Antique Brass Powder Aleutian Mountain Gra Antique White Black Chrome Beige Brown Patina Powder Clear Anodized Powder clear Anodized Powder s erating Current 700mA	r CMG anite CRI CRM HUG MDS NBP er OCP	i Cascade Mo Cracked Ice Cream Hunter Gree Mojave Des Natural Bras Old Copper	untain Granite n ert Sandstone s Powder	SDS SMG TXF WCP WIR Also Sec	Sonoran Desert Sandstone Sierra Mountain Granite Textured Forest Weathered Copper Weathered Iron available in RAL Finishes submittal SUB-1439-00 SEP 1 3	1
djust-e-Lume® (A9 (Standarc **Please see Adju nish Powder Coat Color Bronze Black White (Gloss) Aluminum Verde ens Type 12 - Soft hielding 11 - Hone otion 360SL - 360SI	Dutput Inter), A8, A7, A6, . it-e-Lume* photom um Finish BZP BLP WHP SAP 	ensity** (c. As, A4, A3, A ety to determine Wrinkle BZW BLW WHW VER	hoose factory settin 12, A 1 desired intensity. Machined Polished Mitique ^{rm} Stainle: Machined Polished Brushed Brushed Infustion	Finish MAC POL MIT ss Finish MAC POL BRU BRU Interior surgery 13 - Rectil	ABP AMG AQW BCM BGE BPP CAP	Antique Brass Powder Aleutian Mountain Gra Antique White Black Chrome Beige Brown Patina Powder Clear Anodized Powder clear Anodized Powder s erating Current 700mA	r CMG anite CRI CRM HUG MDS NBP er OCP	i Cascade Mo Cracked Ice Cream Hunter Gree Mojave Des Natural Bras Old Copper	untain Granite n ert Sandstone s Powder	SDS SMG TXF WCP WIR Also Sec	Sonoran Desert Sandstone Sierra Mountain Granite Textured Forest Weathered Copper Weathered Iron available in RAL Finishes submittal SUB-1439-00 SEP 1 3 SEP 1 3	1
djust-e-Lume® (A9 (Standarc **Please see Adju nish	Dutput Inte , As, A7, A6, , it-e-Lume* photom um Finish BZP BLP WHP SAP Cocus Lens cocus Lens ycomb Baffle NR Rotational K 12VAC/D	ensity** (C As, Aa, Aa, Aa, A ety to determine BZW BLW WHW 	hoose factory settin (2, A1 desired intensity. Machined Polished Mitique™ Stainle: Machined Polished Brushed Brushed Brushed InRus 250mA (sh Current non-dimmed)	ABP AMG AQW BCM BGE BPP CAP CAP	Antique Brass Powder Aleutian Mountain Gra Antique White Black Chrome Beige Brown Patina Powder Clear Anodized	r CMG anite CRI CRM MDS NBP er OCP	i Cascade Mo Cracked Ice Cream Hunter Gree Mojave Des Natural Bras Old Copper Mutural Bras Old Copper with the second second second second with the second s	untain Granite n ert Sandstone s Powder immer TA	SDS SMG TXF WCP WIR Also See	Sonoran Desert Sandstone Sierra Mountain Granite Textured Forest Weathered Copper Weathered Iron orailable in RAL Finishes e submittal SUB-1439-00 SEP 1 3 SEP 1 3 On Ambleht Temperatur -10°F-130°F	re
djust-e-Lume® A9 (Standarc **Please see Adju nish Powder Coat Color Bronze Black White (Gloss) Aluminum Verde ns Type 12 - Soft 1 ielding 11 - Hone otion 360SL - 360SI RIVER DATA M79 DATA BK No. CC	Dutput Inte , As, A7, A6, it-e-Lume*photom um Finish BZP BLP WHP SAP Cocus Lens ycomb Baffle reactional K Inpu 12VAC/D T (Typ.)	ensity** (CAS, A4, A3, A AS, A4, A3, A ety to determine BZW BLW WHW 	hoose factory settin 12, A1 desired intensity. Machined Polished Mitique™ Stainle: Machined Polished Brushed Brushed Brushed InRu: 250mA (atts (Typ.)	sh Current non-dimmed)	ABP AMG AQW BCM BGE BPP CAP CAP	Antique Brass Powder Aleutian Mountain Gra Antique White Black Chrome Beige Brown Patina Powder Clear Anodized Powder Clear Anodized Powder clear Anodized Powder TA Rated Life (hrs.) titial lumens(L70)	r CMG anite CRI CRM MDS NBP er OCP	i Cascade Mo Cracked Ice Cream Hunter Gree Mojave Des Natural Bras Old Copper Mutural Bras Old Copper with the second second second with the second s	untain Granite n ert Sandstone s Powder immer TA Angle	SDS SMG TXF WCP WIR Also See	Sonoran Desert Sandstone Sierra Mountain Granite Textured Forest Weathered Copper Weathered Iron orailable in RAL Finishes e submittal SUB-1439-00 SEP 1 3 SEP 1 3 On Amblent Temperatur -10°F-130°F	re
djust-e-Lume® (A9 (Standarc **Please see Adju nish	Dutput Inte , As, A7, A6, , it-e-Lume*photom um Finish BZP BLP WHP SAP Cocus Lens vcomb Baffle reactional K Inpu 12VAC/D T (Typ.) 700K	ensity** (c. As, A4, A3, A etty to determine BZW BLW WHW VER inuckle Moun t Volts C 50/60Hz Input Wa 7.	hoose factory settin 12, A1 desired intensity. Brasss Machined Polished Mitique ^{res} Stainle: Machined Polished Brushed Brushed Brushed InRu: 250mA (atts (Typ.) 0	Finish MAC POL MIT ss Finish MAC POL BRU Interforure only 13 - Rectil sh Current non-dimmed) CRI (Typ) 80	ABP AMG AQW BCM BGE BPP CAP CAP	Antique Brass Powder Aleutian Mountain Gra Antique White Black Chrome Beige Brown Patina Powder Clear Anodized Powder ; erating Current 700mA TA Rated Life (hrs.) (tial lumens(L70) 50,000	r CMG anite CRI CRM AMDS AMDS Per OCP Per OCP AMDS AMDS AMDS AMDS AMDS AMDS AMDS AMDS	i Cascade Mo Cracked Ice Cream Hunter Grea Mojave Des Natural Bras Old Copper Old Copper w Voltage D CAL DA h Type w Spot	untain Granite n ert Sandstone s Powder immer TA 13°	SDS SMG TXF WCP WIR Also See Operation	Sonoran Desert Sandstone Sierra Mountain Granite Textured Forest Weathered Copper Weathered Iron or volable in RAL Finiches submittal SUB-1439-00 SEP 1 3 SEP 1 3 On Amblient Temperatur -10°F-130°F Visual Indicato	re
djust-e-Lume® (A9 (Standard **Please see Adju nish Powder Coat Color Bronze Black White (Gloss) Aluminum Verde ens Type 12 - Soft I nielding 11 - Hone otion 360SL - 360SI RIVER DATA M79 DATA BK No. CC e64 2 e65 33	Dutput Inte , As, A7, A6, it-e-Lume*photom um Finish BZP BLP WHP SAP Cocus Lens ycomb Baffle reactional K Inpu 12VAC/D T (Typ.)	ensity** (CAS, A4, A3, A AS, A4, A3, A ety to determine BZW BLW WHW 	hoose factory settin 12, A1 desired intensity. Machined Polished Mitique ^{rm} Stainle: Machined Polished Brushed Brushed InRu: 250mA (atts (Typ.) 0 0	sh Current non-dimmed)	ABP AMG AQW BCM BGE BPP CAP CAP CAP CAP	Antique Brass Powder Aleutian Mountain Gra Antique White Black Chrome Beige Brown Patina Powder Clear Anodized Powder Clear Anodized Powder Clear Anodized Powder TA Rated Life (hrs.) tital lumens(L70) 50,000	r CMG anite CRI CRM CRM MDS MDS er OCP er OCP Magnetic Lo *OPTIC Beam Narron Sr	i Cascade Mo Cracked Ice Cream Hunter Gree Mojave Des Natural Bras Old Copper Old Copper w Voltage D CAL DA n Type w Spot Dot	In an and a second seco	SDS SMG TXF WCP WIR Also See Operation	Sonoran Desert Sandstone Sierra Mountain Granite Textured Forest Weathered Copper Weathered Iron available in RAL Finishes submittal SUB-1439-00 SEP 1 3 SEP 1 3 On Amblent Temperatur -10°F-130°F Visual Indicato	re
djust-e-Lume® (A9 (Standarc **Please see Adju inish Powder Coat Color Bronze Black White (Gloss) Aluminum Verde ens Type ens Type 12 - Soft I nielding 11 - Hone ption 360SL - 360SL PRIVER DATA M79 DATA BK No. CCC e64 2 e65 3 e66 4	Dutput Inter), A8, A7, A6, . it-e-Lume*photom um Finish BZP BLP BLP VHP SAP 	ensity** (c. As, A4, A3, A etty to determine BZW BLW WHW VER Colocolocolocolocolocolocolocolocolocolo	hoose factory settin 12, A1 desired intensity. Machined Polished Mitique ^{rm} Stainle: Machined Polished Brushed Brushed InRu: 250mA (atts (Typ.) 0 0	sh Current non-dimmed)	ABP AMG AQW BCM BGE BPP CAP Innear Lens Opp 70 DA	Antique Brass Powder Aleutian Mountain Gra Antique White Black Chrome Beige Brown Patina Powder Clear Anodized Powder ; erating Current 700mA TA Rated Life (hrs.) (tial lumens(L70) 50,000	r CMG anite CRI CRM HUG MDS NBP er OCP er OCP	i Cascade Mo Cracked Ice Cream Hunter Grea Mojave Des Natural Bras Old Copper Old Copper w Voltage D CAL DA h Type w Spot	untain Granite n ert Sandstone s Powder immer TA 13°	SDS SMG TXF WCP WIR Also See Operation	Sonoran Desert Sandstone Sierra Mountain Granite Textured Forest Weathered Copper Weathered Iron available in RAL Finishes submittal SUB-1439-00 SEP 1 3 SEP 1 3 On Ambient Temperatur -10°F-130°F Visual Indicato Red Dot Green Dot Yellow Dot	re
djust-e-Lume® (A9 (Standarc **Please see Adju inish Powder Coat Color Bronze Black White (Gloss) Aluminum Verde ens Type 12 - Soft I hielding 11 - Hone ption 360SL - 360SI DRIVER DATA M79 DATA BK No. CC e64 2 e65 3 e66 4	Dutput Inte), A8, A7, A6, it-e-Lume*photom um Finish BZP BLP BLP WHP SAP Cocus Lens ycomb Baffle [™] Rotational K 12VAC/D T (Typ.) 700K 000K r (590nm)	ensity** (c. As, A4, A3, A ety to determine BZW BLW WHW VER ver inuckle Moun t Volts C 50/60Hz Input Wa 7, 7, 7, 7,	hoose factory settin 12, A1 desired intensity. Machined Polished Mitique [™] Stainle: Machined Polished Brushed Brushed Brushed InRus 250mA (atts (Typ.) 0 0 0	Finish MAC POL MIT ss Finish MAC POL BRU Interior une only 13 - Rectil sh Current non-dimmed) L7 CRI (Typ) 80 80 80 80	ABP AMG AQW BCM BGE BPP CAP CAP	Antique Brass Powder Aleutian Mountain Gra Antique White Black Chrome Beige Brown Patina Powder Clear Anodized	r CMG anite CRI CRM CRM AMDS AMDS AMDS AMDS AMDS AMDS AMDS AMD	i Cascade Mo Cracked Ice Cream Hunter Gree Mojave Des Natural Bras Old Copper Natural Bras Old Copper With Copper With Copper With Copper With Copper CAL DA Natural Copper CAL DA	In rest Sandstone s Powder s Powder Immer TA Angle 13° 15° 23° 31°	SDS SMG TXF WCP WIR Also Sec Operation CDCP 6889 5225 1984 1300	Sonoran Desert Sandstone Sierra Mountain Granite Textured Forest Weathered Copper Weathered Iron available in RAL Finishes submittal SUB-1439-00 SEP 1 3 SEP 1 3 On Artiblent Temperatur -10°F-130°F Visual Indicato Red Dot Green Dot Yellow Dot Blue Dot	pr
djust-e-Lume® (A9 (Standarc **Please see Adju inish Powder Coat Color Bronze Black White (Gloss) Aluminum Verde ens Type 12 - Soft I hielding 11 - Hone ption 360SL - 360SI PRIVER DATA M79 DATA BK No. CO e64 22 e65 33 e66 4 e74 Ambe	Dutput Inter), A8, A7, A6, . it-e-Lume*photom um Finish BZP BLP WHP SAP 	ensity** (c. As, A4, A3, A ety to determine BZW BLW WHW VER ver inuckle Moun t Volts C 50/60Hz Input Wa 7, 7, 7, 7,	hoose factory settin 12, A1 desired intensity. Machined Polished Mitique [™] Stainle: Machined Polished Brushed Brushed Brushed InRus 250mA (atts (Typ.) 0 0 0	Finish MAC POL MIT ss Finish MAC POL BRU Interior une only 13 - Rectil sh Current non-dimmed) L7 CRI (Typ) 80 80 80 80	ABP AMG AQW BCM BGE BPP CAP CAP CAP CAP CAP	Antique Brass Powder Aleutian Mountain Gra Antique White Black Chrome Beige Brown Patina Powder Clear Anodized Powder Clear Anodized Powder Clear Anodized Powder S Clear Anod	r CMG anite CRI CRM MDS MDS er OCP er OCP	Cascade Mo Cracked Ice Cream Hunter Gree Mojave Des Natural Bras Old Copper Voltage D CAL DA Type w Spot oot m Flood Flood S00 S00 S00	In rest Sandstone s Powder s Powder TA 13° 15° 23° 31° R	SDS SMG TXF WCP WIR Also See Operation CDP CBCF 6889 5225 1984 1300 ELEASE	Sonoran Desert Sandstone Sierra Mountain Granite Textured Forest Weathered Copper Weathered Iron oradiable in RAL Finishes submittal SUB-1439-00 SEP 1 3 SEP 1 3 SEP 1 3 On Ambient Temperatur -10°F-130°F Visual Indicato Red Dot Green Dot Yellow Dot Blue Dot DRAWING NUME	pr BER
djust-e-Lume® A A9 (Standarc **Please see Adju inish Powder Coat Color Bronze Black White (Gloss) Aluminum Verde ens Type 12 - Soft 1 hielding 11 - Hone ption 360SL - 360SI RIVER DATA BK No. CC e64 2 e65 3 e66 4	Dutput Intr), A8, A7, A6, it-e-Lume*photom um Finish BZP BLP WHP SAP Cocus Lens vcomb Baffle w Rotational K 12VAC/D T (Typ.) 700K 000K 000K	ensity** (ca As, Aa, Aa, Aa, Aa, Aa, Aa, Aa, Aa, Aa, Aa	hoose factory settin 12, A1 desired intensity. Machined Polished Mitique [™] Stainle: Machined Polished Brushed Brushed Brushed InRu: 250mA (atts (Typ.) 0 0 0 0 0	sh Current non-dimmed) CRI (Typ.) 80 80 80	ABP AMG AQW BCM BGE BPP CAP CAP CAP CAP CAP CAP CAP CAP CAP C	Antique Brass Powder Aleutian Mountain Gra Antique White Black Chrome Beige Brown Patina Powder Clear Anodized Powder Clear Anodized Powder Clear Anodized Powder Clear Anodized Powder Clear Anodized Powder Source Clear Anodized Powder Clear A	r CMG anite CRI CRM HUG MDS er OCP er OCP	mmable mmable w Voltage D CAL DA Type w Spot oot Tiod Soft - USA Soft - USA Soft - USA	Inner SPowder SPowder TA Angle 13° 15° 23° 31° R 00	sps smg TxF wcP wiR Also See Operation CBCF 6889 5225 1984 1300 ELEASE(6-07-1	Sonoran Desert Sandstone Sierra Mountain Granite Textured Forest Weathered Copper Weathered Iron oradiable in RAL Finishes submittal SUB-1439-00 SEP 1 3 SEP 1 3 SEP 1 3 On Ambient Temperatur -10°F-130°F Visual Indicato Red Dot Green Dot Yellow Dot Blue Dot DRAWING NUME	br BER -00

Hiram Banks	Sebastopol Hotel	Project #: 184-17	Date: 07/24/18	TYPE
Lighting Design	LIGHTING FIXTURE CUTSHEET	Issue: 70% CD PER	MIT SET	L6
	The work contained in this document is the property of Hiram Banks This includes, but is not limited to quantity, spacing, and type of ligh	Lighting Design and may not be modified in any ting equipment.	v manner without expressed written permission.	LV



SPECIFICATIONS

GreenSource Initiative™

GreenSource Initiative " Metal and packaging components are made from recycled materials. Manufactured using renewable solar energy, produced on site. Returnable to manufacturer at end of life to ensure cradie-to-cradie handling. Packaging contains no chlorofluorocarbons (CFC's). Use of this product may qualify for GreenSource efficacy and recycling rebate(s). Consult www.bklighting.com/greensource for program requirements.

Materials

Furnished in Copper-Free Aluminum (Type 6061-T6), Brass (Type 360) or Stainless Steel (Type 304)

Body Fully machined from solid billet. Unibody design provides enclosed, water-proof wireway and integral heat sink for maximum component life. Integral knuckle for maximum mechanical strength. High temperature, silicone 'O' Ring Taniden with the sale. provides water-tight seal.

Knuckle The LOCK™ (Locking 'O' Ring Compression Knuckle) is comprised of two components. The first is integral to the body and features an interior, machined taper. The second is machined from solid billet and features a second, reverse angle taper. The resultant mechanical taper-lock allows a full 180° vertical adjustment without the use of serrated teeth, which inherently limit aiming. High temperature, silicone 'O' Ring provides water-tight seal and compressive resistance to maintain fixture position. Design withstands 24 bit static load prior to provide the agrund decader of 73 lb. static load prior to movement to ensure decades of optical alignment. 1/2" pipe thread for mounting

Optional 360SL[™] additionally provides biaxial source control with 360° horizontal rotation in addition to vertical adjustment.

Cap Fully machined. 1" deep cutoff with flush mounted lens. Accommodates up to (2) lens or louver media.

This includes, but is not limited to quantity, spacing, and type of lighting equipment.

Lens

Shock resistant, tempered, glass lens is factory adhered to fixture cap and provides hermetically sealed optical compartment. Specify soft focus (#12) or rectilinear (#13)

BKSSL®

BKSSL* Integrated solid state system with 'e' technology is scalable for field upgrade. Modular design with electrical quick disconnects permit field maintenance. High power, forward throw source complex with ANSI C78.377 binning requirements. Exceeds ENERGY STAR* lumen maintenance requirements. LM-80 certified components.

Integral, constant current driver, 12VAC/VDC input, 50/60Hz. Proprietary input control scheme achieves power factor correction and eliminates inrush current. Output, over-voltage, open-circuit, and short circuit protected. Inrush current limited to <1A (non-dimming). Conforms to Safety Std. C22.2 No. 250.13-12.

Dimming

Line voltage dimmable via magnetic low voltage dimmer For use with low voltage dimmer with dedicated neutral conductor. For purposes of dimming: Remote magnetic transformer with BKSSL® Power of 'e' technology loads should be loaded to 25% of the transformer VA (watts) rated value.

Adjust-e-Lume

Integral electronics allows dynamic lumen response at the individual fixture. Indexed (100% to 25% nom.) lumen output. Maintains output at desired level or may be changed as conditions require. Specify factory preset output intensity.

Optics

Interchangeable OPTIKIT^{IM} modules permit field changes to optical distribution. Color-coded for easy reference: Narrow Spot (NSP) = Red. Spot (SP) = Green. Medium Flood (MFL) = Yellow. Wide Flood (WFL) = Blue.

Remote Transformer For use with 12VAC 대유도도도. remote transformer or magnetic transformers only. B-K Lighting cannot guarantee performance with third party manufacturers' transformers.

Wiring Teflon® coated, 18AWG, 600V, 250° C rated and certified to UL 1659 standard.

Hardware

Tamper-resistant, stainless steel hardware. LOCK™ aiming screw is additionally black oxide treated for additional corrosion resistance.

Finish

StarGuard*, our exclusive RoHs compliant, 15 stage StarGuard²⁷, our exclusive RoHs compliant, 15 stage chromate-free process cleans and conversion coats aluminum components prior to application of Class 'A' TGIC polyester powder coating. Brass components are available in powder coat or handcrafted metal finish. Stainless steel components are available in handcrafted metal finish. (Brushed finish for interior use only).

Warranty 5 year limited warranty.

Certification and Listing ITL tested to IESNA LM-79. UL Listed. Certified to CAN/CSA /ANSI Standards. RoHs compliant. Suitable for indoor or outdoor use. Suitable for use in wet locations. Suitable for installation within 4' of the ground. IP66 Rated. Made in USA.



*Teflon is a registered trademark of DuPont Corporation. *Energy Star is a registered trademark of the United States Environmental Protection Agency.

	B-K LIGHTING	40429 Brickyard Drive • Madera, CA 9363 559.438.5800 • FAX 559.438.5900 www.bklighting.com • info@bklighting	released 06-07-16	DRAWING NUMBER SUB-2192-00			
-liram 3anks	Sebastopol Hotel	Project #: 184-17	Date	e: 07/24/18	: т	YPE	
_ighting Design	LIGHTING FIXTURE CUTSHEET	Issue: 70% CD PER	MIT SE	Г		6	

Hiram Banks Lighting Design • 461 Second Street, #659 • San Francisco, CA 94107 • 415 618 0855 tel • 415 618 0856 fax

The work contained in this document is the property of Hiram Banks Lighting Design and may not be modified in any manner without expressed written permission.



LAMP & DRIVER DATA e64, e65, e66, e74

DRIVER	Input Volts	InRush Current	Operating	Dimmable	Operation Ambient Temperature
DATA	12VAC/DC 50/60Hz	<250mA (non-dimmed)	700mA	Magnetic Low Voltage Dimmer	-22°F-194°F (-30°C - 90°C)

	LN	/179 DAT	A	L70 DATA	OPTICAL DATA				
BK No.	ССТ (Тур.)	CRI (Typ.)	Input Watts (Typ.)	Minimum Rated Life (hrs.) 70% of initial lumens (L ₇₀)	Angle	CBCP	Delivered Lumens		
	2700K	80	7	50,000	13°	5993	456		
e64	2700K	80	7	50,000	16°	4546	445		
e04	2700K	80	7	50,000	23°	1726	397		
	2700K	80	7	50,000	31°	1131	399		
	3000K	80	7	50,000	13°	6131	466		
-65	3000K	80	7	50,000	16°	4650	455		
e65	3000K	80	7	50,000	23	1766	406		
	3000K	80	7	50,000	31°	1157	409		
	4000K	80	7	50,000	13°	6889	524		
	4000K	80	7	50,000	16°	5225	511		
e66	4000K	80	7	50,000	23°	1984	456		
	4000K	80	7	50,000	31°	1300	459		
e74	Amber (590nm)	~	7	50,000	~	~	~		

OPTICS						
Optic	Angle					
NSP - Narrow Spot	13°					
SP - Spot	16°					
MFL - Medium Flood	23°					
WFL - Wide Flood	31°					



B-K	LIGHTING		d Drive • Madera, CA 93636 • USA 8.5800 • FAX 559.438.5900 ing.com • info@bklighting.com	RELEASED 05-23-2017	DRAWING NUMBER SUB-2586-00	
Hiram Banks	Sebastopol Hotel		Project #: 184-17	Date:	07/24/18	TYPE
Lighting Design	LIGHTING FIXTURE CUTSHEET Issue: 70% CD PERMIT SET			L6		
Boolgin	The work contained in this document is the pr This includes, but is not limited to quantity, sp	operty of Hiram Bank bacing, and type of lig	s Lighting Design and may not be modified in hting equipment.	any manner without ex	pressed written permission.	LU



TECHNOLOGY

		YELLOW 🤌 Medium Flood (MFL) BLUE 🌒 Wide Flood (WFL)
Footcandles		NOTE:
e65 3000K	e66 4000K	Adjust-e-Lume® dial is set to the factory standard: 9

450

8

RED 🜔 Narrow Spot (NSP)

GREEN 💽 Spot (SP)

ARROW SPOT : 13°				Footcandles		
Distance		Beam Dia.	e64 2700K	e65 3000K	e66 4000K	
4'		1'	375	384	431	
8'	4	2'	94	96	108	
12'		3'	42	43	48	
16'		4'	23	24	27	
20'		5'	15	15	17	
		If	using No. 11 Honeya	omb Baffle, multiply fo	otcandle values h	

using No. 11 Honeycomb Baffle, multiply footcandle values by .80.

OT:15°				Footcandles	
Distance	AD	Beam Dia.	e64 2700K	e65 3000K	e66 4000K
4'	1	1'	284	291	327
8'	4	2'	71	73	82
12'		3'	32	32	36
16'		4'	18	18	20
20'		5'	11	12	13

If using No. 11 Honeycomb Baffle, multiply footcandle values by .80.

EDIUM FLOG	DD:23	0	Footcandles		
Distance	Ø	Beam Dia.	e64 2700K	e65 3000K	e66 4000K
4'	4	2'	108	110	124
8'	4	3'	27	28	31
12'		5'	12	12	14
16'	_	7'	7	7	8
20'		8'	4	4	5

If using No. 11 Honeycomb Baffle, multiply footcandle values by .80.

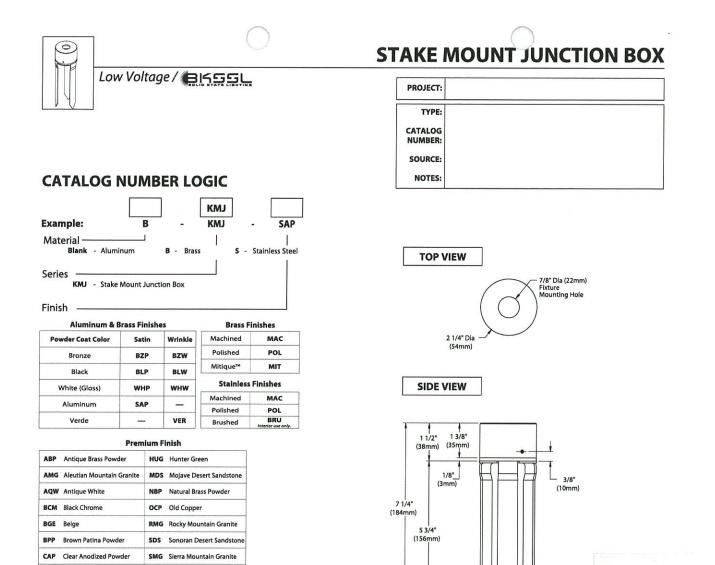
DE FLOO	D:31°			Footcandles	
Distance	AP	Beam Dia.	e64 2700K	e65 3000K	e66 4000k
4'		2'	71	72	81
8'	4	4'	18	18	20
12'		7'	8	8	9
16'		9'	4	5	5
20'		11'	3	3	3

If using No. 11 Honeycomb Baffle, multiply footcandle values by 80.



40429 Brickyard Drive • Madera, CA 93636 • USA • 559.438.5800 • FAX 559.438.5900 • www.bklighting.com

Hiram Banks Lighting Design	Sebastopol Hotel	Project #: 184-17	Date: 07/24/18	TYPE
	LIGHTING FIXTURE CUTSHEET	Issue: 70% CD PER	16	
	The work contained in this document is the property of Hiram Bank This includes, but is not limited to quantity, spacing, and type of lig			



SPECIFICATIONS

GreenSource Initiative**

CMG Cascade Mountain Granite

Cracked Ice

CRI

CRM Cream

Metal and packaging components are made from recycled materials. Manufactured using renewable solar energy, produced onsite. Returnable to manufacturer at end of life to ensure cradle-to-cradle-handling. Packaging contains no chlorofluorocarbong (CFC's). Use of this product may qualify for GreenSource efficacy and recycling rebate(s). Consult www. bklighting.com/greensource for program requirements.

Also available in RAL Finishes. See submittal SUB-1439-00

TXF Textured Forest

WIR Weathered Iron

WCP Weathered Copper

Installation

Provides a clean, splice compartment and mounting system for low voltage lighting fixture (specified separately). For stake mounting into soil. Stake allows for repositioning as necessary. For use with remote low voltage transformer.

Canopy Furnished in Copper-Free Aluminum (Type 6061-T6), Brass (Type 360) or Stainless Steel (Type 304), 2 1/4" diameter. Machined from solid billet with chamfered edge. 7/8" Dia. Slip Hole for use with 1/2" I.P. threaded nipple.

Mounting Stake

Stainless steel (Type 304) with machined, black annodized anchor base. 7/8" dia through hole for low voltage wiring. High temperature, silicone 'O' Ring.

Hardware

Tamper resistant, stainless steel hardware.

Finish

StarGuard[•], our exclusive RoHs compliant, 15 stage chromate-free process cleans and conversion coats aluminum components prior to application of Class ^(A) TGIC polyester powder coating. Brass components are available in powder coat or handcrafted metal finish. Stainless steel components are available in handcrafted metal finish. (Brushed finish for interior use only) interior use only).

All dimensions indicated on this submittal are nominal. Contact Technical Sales if you require more stringent specifications.

Warranty 5 year limited warranty.

Certification and Listing Suitable for indoor or outdoor use. RoHS compliant. Made in USA.

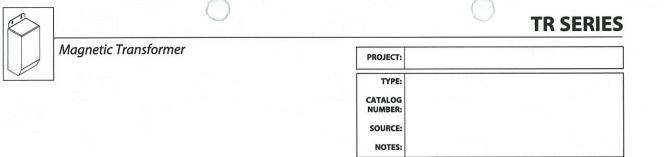


B-K LIGHTING	40429 Brickyard Drive • Madera, CA 93636 • USA 559.438.5800 • FAX 559.438.5900 www.bklighting.com • info@bklighting.com	SUBMITTAL DATE 7-26-12	DRAWING NUMBER SUB001291
THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF B-K LIGHTING, INC. AND ITS RECEIPT O DESCRIBE. REPRODUCTION, DISCLOSURE OR USE WITHOUT SPECIFIC WRITTEN AUTHORIZATION OF B-		TENTS, OR TO MANUFACTURE,	USE OR SELL ANYTHING IT MAY

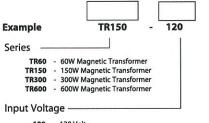
Hiram Banks Lighting Design	Sebastopol Hotel	Project #: 184-17	Date: 07/24/18	TYPE
	LIGHTING FIXTURE CUTSHEET	Issue: 70% CD PERMIT SET		L6
	The work contained in this document is the property of Hiram Banks I This includes, but is not limited to quantity, spacing, and type of light			

Hiram Banks Lighting Design • 461 Second Street, #659 • San Francisco, CA 94107 • 415 618 0855 tel • 415 618 0856 fax

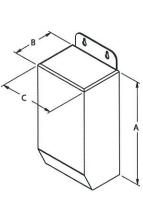
SEP 1 3 2018



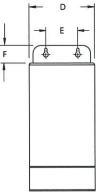
CATALOG NUMBER LOGIC





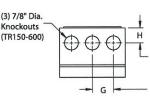


н



DIMENSIONS

(2) 7/8" Dia Knockouts (TR60) G



All dimensions indicated on this submittal are nominal.

TRANSFORMER DATA

Contact Technical Sales if you require more stringent specifications. Circuit Input Max. Height Depth С D E F G н Series Breaker Weight Voltage Load A В 3/4" 1-1/16" **TR60** 120V 60W 8A 3.7 lbs 7-1/2 2-15/16" 3' 3-7/64 1-1/2" 1-1/2 TR150 120V 150W 25A 6 lbs. 8" 3-3/32" 4-3/32" 5-1/2" 4-1/8" 1-1/8" 1-5/16" 15/16" 8" 15/16 4-3/32 5-1/2 1-1/8 1-5/16 TR300 120V 300W 25A 7.13 lbs 3-3/32 4-1/8" 14.9 lbs. 9-13/32 4-19/32' 5-3/4" 4-5/8 1-1/16" 1-1/4" TR600 120V 600W 25A 4-3/32" 1-1/2 **TR60** 277V 60W 8A 3.7 lbs 7-1/2 2-15/16" 3" 3-7/64 1-1/2' 1-1/16 1-1/2" 3/4" TR150 277V 150W 25A 6 lbs. 8^{**} 3-3/32" 4-3/32" 5-1/2" 4-1/8" 1-1/8" 1-5/16" 15/16" 8" 1-5/16 15/16 TR300 277V 300W 25A 7.13 lbs 3-3/32 4-3/32 5-1/2" 4-1/8 1-1/8" TR600 277V 600W 25A 14.9 lbs. 9-13/32" 4-3/32" 4-19/32" 5-3/4" 4-5/8' 1-1/16" 1-1/2" 1-1/4

SPECIFICATIONS

Housing Stainless steel, NEMA Outdoor 3R rated enclosure. [2] (TR60) or [3] (TR150-600) bottom entry 7/8" knockouts provide access to wining compartment. Riveted, hinged cover opens vertically from bottom to top for service access.

Transformer

Fransformer, Fully encapsulated, Class B insulated, Iow voltage magnetic transformer, 120VAC or 277VAC input, 12VAC output (fully loaded), 0.6A (120VAC) or 0.3A (277VAC) maximum no load input current. Manual thermal reset. Secondary circuit breaker, Enclosure temperature <65° C when fully loaded (full Constituent). (in 40° C ambient).

For use with halogen and HSSSS products. Fully dimmable utilizing magnetic low voltage dimmers. Consult fixture specification for dimming capability.

Output Wiring See B-K Lighting Low Voltage Design Guide on reverse.

Warranty Limited five year warranty.



Certification and Listings Nema Type 3R Enclosure. Suitable for indoor and outdoor use. UL Listed to ANSI/UL Standard 1012. c (H) ut

40429 Brickyard Drive • Madera, CA 93636 • USA 559.438.5800 • FAX 559.438.5900 www.bklighting.com • info@bklighting.com SUBMITTAL DATE SUBMITTAL NUMBER -K C IC 7-30-13 **TR-SERIES**

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF B-K LIGHTING, INC. AND ITS RECEIPT OR POSSESSION DOES NOT CONVEY ANY RIGHTS TO REPRODUCE, DISCLOSE ITS CONTENTS, OR TO MANUFACTURE, USE OR SELL ANYTHING IT MAY DESCRIBE. REPRODUCTION, DISCLOSURE OR USE WITHOUT SPECIFIC WRITTEN AUTHORIZATION OF B-K LIGHTING, INC. IS STRICTLY FORBIDDEN.

Hiram Banks	Sebastopol Hotel	Project #: 184-17 Date: 07/24/18		TYPE
Lighting Design	LIGHTING FIXTURE CUTSHEET	Issue: 70% CD PERMIT SET		L6
Beolgin	The work contained in this document is the property of Hiram Banks This includes, but is not limited to quantity, spacing, and type of lig			

Low Voltage Guide

Many B-K LIGHTING fixtures operate on 12 volts. Taking advantage of these energy-saving fixtures requires appropriate care in planning the electrical wiring system. To maintain expected lamp performance, we recommend the following procedures in sizing your low-voltage wiring system.

SIZING OF LOW VOLTAGE WIRING

- 1. Locate and plot fixtures on plan. Choose the lighting equipment necessary to create the desired lighting effects. Mark lamp wattage for each fixture location.
- Identify potential transformer locations. The ideal locations are those which provide for the shortest possible low voltage distances (inconspicuous areas, behind rocks, shrubbery, etc., within the landscape). UPM, Power Pipe™, Power Pipe II™, or, if available, transformers integral in the fixture are good ways to hide the transformer and reduce voltage drop problems.
- 3. Add the total wattage for the proposed low voltage run. Measure the wire lengths from the transformer to the fixture locations. Find the distance to the "CENTER OF LOAD" of the low voltage run.

CENTER	_	Distance from first to last fixture		Distance from transformer	
OF LOAD	-	(2) Two	+	to first fixture	

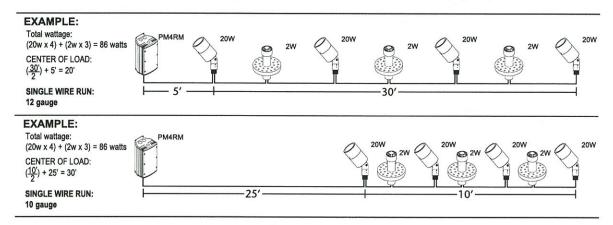
4. Using the B-K LIGHTING Wire Selection Table, select the wattage column which applies. Look down the column stopping at a distance, in feet, that is equal or greater than the "CENTER OF LOAD" distance. Look across to find the proper wire size for your layout.

20	24	25	Schola De V-skal Stars			1017	L WAT	TAGE					International Contract		
	Contraction of the second	35	40	50	60	70	80	100	105	120	140	150	160	200	250
3 106	89	60	53	42	35	30	26	21	20	17	15	13	_	—	-
169	141	96	85	67	56	48	42	33	32	28	24	22	19	17	13
269	225	154	135	107	90	77	67	54	51	45	38	36	31	27	21
428	357	245	214	171	143	122	107	85	81	71	61	57	49	42	34
	169 269	169 141 269 225	169 141 96 269 225 154	169 141 96 85 269 225 154 135	169 141 96 85 67 269 225 154 135 107 428 357 245 214 171	169 141 96 85 67 56 269 225 154 135 107 90 428 357 245 214 171 143	169 141 96 85 67 56 48 269 225 154 135 107 90 77 428 357 245 214 171 143 122	169 141 96 85 67 56 48 42 269 225 154 135 107 90 77 67 428 357 245 214 171 143 122 107	169 141 96 85 67 56 48 42 33 269 225 154 135 107 90 77 67 54 428 357 245 214 171 143 122 107 85	169 141 96 85 67 56 48 42 33 32 269 225 154 135 107 90 77 67 54 51 428 357 245 214 171 143 122 107 85 81	169 141 96 85 67 56 48 42 33 32 28 269 225 154 135 107 90 77 67 54 51 45 428 357 245 214 171 143 122 107 85 81 71	169 141 96 85 67 56 48 42 33 32 28 24 269 225 154 135 107 90 77 67 54 51 45 38 428 357 245 214 171 143 122 107 85 81 71 61	169 141 96 85 67 56 48 42 33 32 28 24 22 269 225 154 135 107 90 77 67 54 51 45 38 36 428 357 245 214 171 143 122 107 85 81 71 61 57	169 141 96 85 67 56 48 42 33 32 28 24 22 19 269 225 154 135 107 90 77 67 54 51 45 38 36 31	169 141 96 85 67 56 48 42 33 32 28 24 22 19 17 269 225 154 135 107 90 77 67 54 51 45 38 36 31 27 428 357 245 214 171 143 122 107 85 81 71 61 57 49 42

Note: In the event of multiple runs from a given transformer, treat each run separately.

The Wire Selection Table provided is based on a maximum allowable voltage drop of 5%. Electrical designs which allow greater than 5% voltage drop, reduce rated light output beyond acceptable levels.

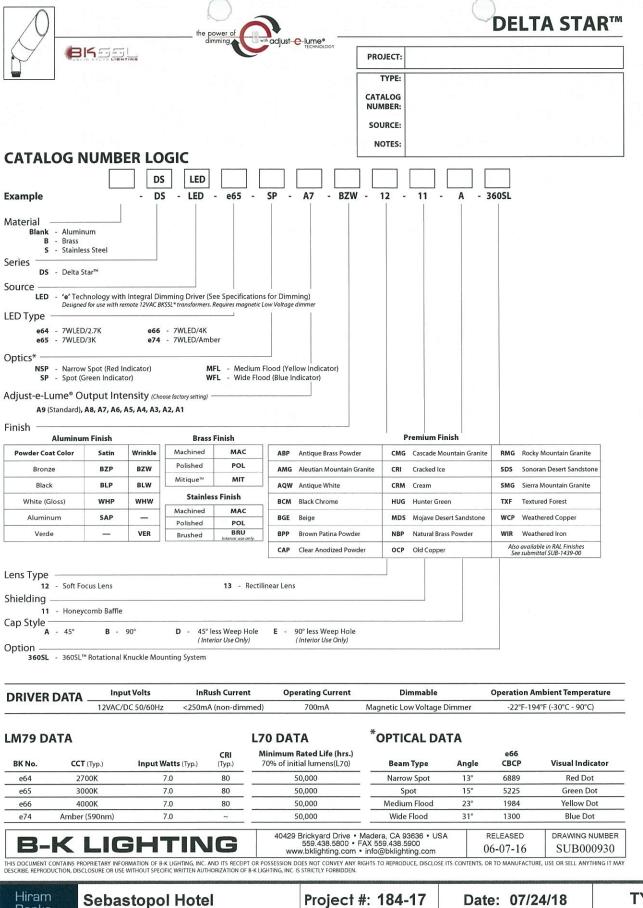
The importance of the proper wire selection is demonstrated below. Both examples have the same total watts and identical overall lengths of wire run, yet require different wire sizes, or multiple wire runs, to operate within the 5% maximum voltage drop B-K LIGHTING criteria.



TRANSFORMERS

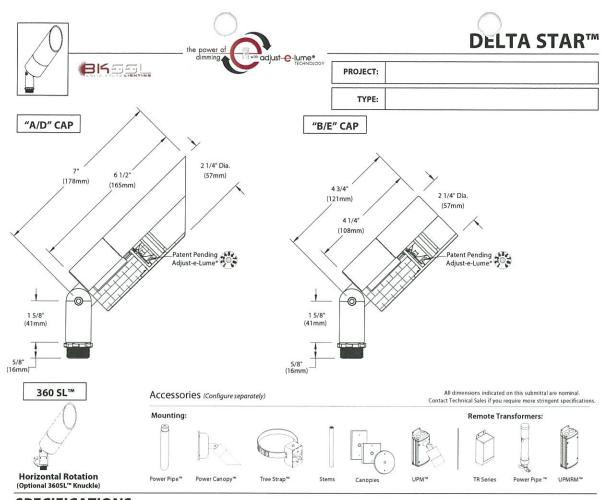
For areas which are far reaching from fixtures, running 120 volt power to each fixture location with individual transformers, such as TRSS75 or TRSS150, provides an excellent economic solution to voltage drop. These transformers can also be specified in the UPM, Power Pipe ™, and Power Pipe II[™] transformer housings.

🎢 B-K Lig		ance with the National Electric Code and ap	plicable local codes.	P 1 3 2018
Hiram Banks	Sebastopol Hotel	Project #: 184-17	Date: 07/24/18	TYPE
Lighting Design	LIGHTING FIXTURE CUTSHEET	Issue: 70% CD PER	MIT SET	L6
	The work contained in this document is the property of Hiram Bank This includes, but is not limited to quantity, spacing, and type of lig	ks Lighting Design and may not be modified in any ghting equipment.	manner without expressed written permission.	LV



 Hiram Banks Lighting Design
 Sebastopol Hotel
 Project #: 184-17
 Date: 07/24/18
 TYPE

 LIGHTING FIXTURE CUTSHEET
 Issue: 70% CD PERMIT SET
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L
 L



SPECIFICATIONS

GreenSource Initiative[™] Metal and packaging components are made from recycled materials. Manufactured using renewable solar energy, produced on site. Returnable to manufacturer at end of life to ensure cradle-to-cradle handling. Packaging contains no chlorofluorocarbons (CFCs). Use of this product may qualify for GreenSource efficacy and recycling rebate(s). Consult www. bklighting.com/greensource for program requirements.

Materials

Furnished in Copper-Free Aluminum (Type 6061-T6), Brass (Type 360) or Stainless Steel (Type 304).

Body

Body Fully machined from solid billet. Unibody design provides enclosed, water-proof wireway and integral heat sink for maximum component life. Integral knuckle for maximum mechanical strength. High temperature, silicone 'O' Ring provides water-tight seal.

Knuckle The LOCK[™] (Locking 'O' Ring Compression Knuckle) is comprised of two components. The first is integral to the body and features an interior, machined taper. The second is machined from solid an interior, machined taper. The second is machined from solid billet and features a second, reverse angle taper. The resultant mechanical taper-lock allows a full 180° vertical adjustment without the use of serrated teeth, which inherently limit aiming. High temperature, silicone 'O' Ring provides water-tight seal and compressive resistance to maintain fixture position. Design withstands 73 lb. static load prior to movement to ensure decades of optical alignment. ½° pipe thread for mounting.

Optional 360SL[™] additionally provides biaxial source control with 360° horizontal rotation in addition to vertical adjustment.

Cap Fully machined. Accommodates [1] lens or louver media. Choose from 45° cutoff ('A' or 'D'), or 1° deep bezel with 90° cutoff ('B' or 'E') cap styles. 'A' and 'B' caps include weep-hole for water and debris drainage. 'D' and 'E' caps exclude weep hole and are for interior use only.

Lens Shock resistant, tempered, glass lens is factory adhered to fixture cap and provides hermetically sealed optical compartment. Specify soft focus (#12) or rectilinear (#13) lens.

BKSSL®

BKSSL* Integrated solid state system with 'e' technology is scalable for field upgrade. Modular design with electrical quick disconnects permit field maintenance. High power, forward throw source complies with ANSI C78.377 binning requirements. Exceeds ENERGY STAR* lumen maintenance requirements. LM-80 certified components.

Integral, constant current driver, 12VAC/VDC input, 50/60Hz Integral, constant current driver. 12VAC/VDL input. 50/60H2. Proprietary input control scheme achieves power factor correction and eliminates inrush current. Output, over-voltage, open-circuit, and short circuit protected. Inrush current limited to <250mA (non-dimming). Conforms to Safety Std. C22.2 No. 250.13-12.

Dimming

Dimming Line voltage dimmable via magnetic low voltage dimmer. For use with low voltage dimmer with dedicated neutral conductor. For purposes of dimming: Remote magnetic transformer with BKSSL* Power of 'e technology loads should be loaded to 25% of the transformer VA (watts) rated value

Remote Transformer For use with 12VAC @ 도도도 remote transformer or magnetic transformers only. B-K Lighting cannot guarantee performance with third party manufacturers' transformers.

Adjust-e-Lume* (Pat. Pending)

Integral electronics allows dynamic lumen response at the individual fixture. Indexed (100% to 25% nom.) lumen output. Maintains output at desired level or may be changed as conditions require. Specify factory preset output intensity.

Optics

OPTIKIT[™] modules permit field Interchangeable changes to optical distribution. Color-coded for easy reference: Narrow Spot (NSP) = Red. Spot (SP) = Green. Medium Flood (MFL) = Yellow. Wide Flood (WFL) = Blue.

Wiring Teflon[®] coated, 18AWG, 600V, 250[°] C rated and certified to UL 1659 standard.

Hardware

Tamper-resistant, stainless steel hardware. LOCK™ aiming screw is additionally black oxide treated for additional corrosion resistance

Finish

StarGuard®, our exclusive RoHs compliant, 15 stage StarGuard[®], our exclusive RoHs compliant, 10 stage chromate-free process cleans and conversion coats aluminum components prior to application of Class.⁹ X TGIC polyester powder coating. Brass components are available in powder coat or handcrafted metal finish. Stainless steel components are available in handcrafted metal finish. (Brushed finish for interior use only).

Warranty 5 year limited warranty.

Certification and Listing ITL tested to IESNA LM-79. UL Listed. Certified to CAN/CSA/ ANSI Standards. Rolls compliant. Suitable for indoor or outdoor use. Suitable for use in wet locations. Suitable for installation within 4' of the ground. IP66 Rated. Made in USA.



United States Envire in Agency



B-K	559.	and Dilve • Madera, CA 93536 • USA 438,5800 • FAX 559,438,5900 ghting.com • info@bklighting.com	06-07-16	SUB000930		
Hiram Banks	Sebastopol Hotel	Project #: 184-17	Date:	07/24/18	TYPE	1903000
Lighting Design	LIGHTING FIXTURE CUTSHEET	Issue: 70% CD PER	MIT SET		17	
Boeigin	The work contained in this document is the property of Hiram Ban This includes, but is not limited to quantity, spacing, and type of I		ny manner without exp	pressed written permission.	les f	

10400 Brieleverd Drive + Medere CA 00000 + LICA



LAMP & DRIVER DATA

e64, e65, e66, e74

DRIVER	Input Volts	InRush Current	Operating	Dimmable	Operation Ambient Temperature
DATA	12VAC/DC 50/60Hz	<250mA (non-dimmed)	700mA	Magnetic Low Voltage Dimmer	-22°F-194°F (-30°C - 90°C)

LM79 DATA

BK No.	ССТ (Тур.)	CRI (Typ.)	Input Watts (Typ.)
	2700K	80	7
	2700K	80	7
e64	2700K	80	7
	2700K	80	7
	3000K	80	7
	3000K	80	7
e65	3000K	80	7
	3000K	80	7
	4000K	80	7
	4000K	80	7
e66	4000K	80	7
	4000K	80	7
e74	Amber (590nm)	~	7

L70 DATA	
Minimum Rated Life (hrs.) 70% of initial lumens (L ₇₀)	
50,000	
50,000	
50,000	
50,000	-
50,000	_
50,000	
50,000	
50,000	
50,000	-
50,000	286
50,000	
50,000	-35
50,000	7.0

Angle	СВСР	Delivered Lumens
13°	5993	456
16°	4546	445
23°	1726	397
31°	1131	399
13°	6131	466
16°	4650	455
23	1766	406
31°	1157	409
13°	6889	524
16°	5225	511
23°	1984	456
31°	1300	459
~	~	~

OPTICS				
Optic	Angle			
NSP - Narrow Spot	13°			
SP - Spot	16°			
MFL - Medium Flood	23°			
WFL - Wide Flood	31°			

B-K	LIGHTING	559.438	l Drive • Madera, CA 93636 • USA 9.5800 • FAX 559.438.5900 ing.com • info@bklighting.com	RELEASED 05-23-2017	DRAWING NUMBER SUB-2586-00	
Hiram Banks	Sebastopol Hotel		Project #: 184-17	Date:	07/24/18	TYPE
Lighting Design	LIGHTING FIXTURE CUTSHEET		Issue: 70% CD PERMIT SET			17
	The work contained in this document is the This includes, but is not limited to quantity,		s Lighting Design and may not be modified in hting equipment.	any manner without ex	pressed written permission.	

adjust , <u>•lume</u> TECHNOLOGY

RROW SP	POT : 13 °			Footcandles	
Distance	(A)	Beam Dia.	e64 2700K	e65 3000K	e66 4000K
4'	4	1'	375	384	431
8'	4	2'	94	96	108
12'		3'	42	43	48
16'	\square	4'	23	24	27
20'		5'	15	15	17

If using No. 11 Honeycomb Baffle, multiply footcandle values by .80.

450

00)

NOTE:

factory standard: 9

3

RED 🜔 Narrow Spot (NSP)

YELLOW 🥏 Medium Flood (MFL) BLUE 🥑 Wide Flood (WFL)

Adjust-e-Lume® dial is set to the

GREEN 🔊 Spot (SP)

POT : 15°		Footcandles			
Distance	Beam Dia.	e64 2700K	e65 3000K	e66 4000K	
4'	1'	284	291	327	
8'	2'	71	73	82	
12'	3'	32	32	36	
16'	4'	18	18	20	
20'	5'	11	12	13	

If using No. 11 Honeycomb Baffle, multiply footcandle values by .80.

EDIUM FLO	00D : 23	3 °		Footcandles	
Distance		Beam Dia.	e64 2700K	e65 3000K	e66 4000
4'	4	2'	108	110	124
8'	\square	3'	27	28	31
12'	1	5'	12	12	14
16'	$ \longrightarrow $	7'	7	7	8
20'	/	8'	4	4	5

No. 11 Honeycomb Baffle, multiply footcandle

DE FLOOD : 3	1°		Footcandles	
Distance	Beam Dia.	e64 2700K	e65 3000K	e66 4000K
4'	2'	71	72	81
8'	4'	18	18	20
12'	7'	8	8	9
16'	9'	4	5	5
20'	11'	3	3	3

If using No. 11 Honeycomb Baffle, multiply footcandle values by .80.





Hiram Banks	Sebastopol Hotel	Project #: 184-17	Date: 07/24/18	TYPE
Lighting Design	LIGHTING FIXTURE CUTSHEET	Issue: 70% CD PERI	17	
	The work contained in this document is the property of Hiram Bank This includes, but is not limited to quantity, spacing, and type of lig	s Lighting Design and may not be modified in any hting equipment.	manner without expressed written permission.	

Hiram Banks Lighting Design • 461 Second Street, #659 • San Francisco, CA 94107 • 415 618 0855 tel • 415 618 0856 fax

Page 39

SURFACE MOUN' JUNCTION BOX

Low Voltage	
-------------	--

PROJECT:	
TYPE:	
CATALOG NUMBER:	
SOURCE:	
NOTES:	

CATALOG NUMBER LOGIC

Aluminum & Brass Finishes

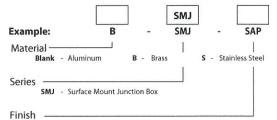
Satin

BZP

BLP

WHP

SAP



Wrinkle

BZW

BLW

WHW

VER

Finishes		Premium Finish	
MAC	ABP Antique Brass Powder	CMG Cascade Mountain Granite	RMG Rocky Mountain Granite
POL	AMG Aleutian Mountain Granite	CRI Cracked Ice	SDS Sonoran Desert Sandstone
MIT	AQW Antique White	CRM Cream	SMG Sierra Mountain Granite
ss Finishes	BCM Black Chrome	HUG Hunter Green	TXF Textured Forest
MAC	BGE Beige	MDS Mojave Desert Sandstone	WCP Weathered Copper
POL	BGE Beige	MDS Mojave Desert sandstone	WCP weathered Copper
BRU Interior use only.	BPP Brown Patina Powder	NBP Natural Brass Powder	WIR Weathered Iron
	CAP Clear Anodized Powder	OCP Old Copper	Also available in RAL Finishes See submittal SUB-1439-00

ANCHOR BASE

Top View

2 1/4" Dia

(57mm)

CANOPY

Powder Coat Color

Bronze

Black

White (Gloss)

Aluminum

Verde

Top View 7/8" Dia. (22mm) 2 1/4" Dia. (57mm)



1 1/2

(38mm)

Brass Machined

Polished

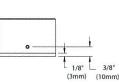
Mitique^W

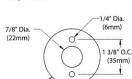
Machined

Polished

Brushed

Stainles





Side View



SPECIFICATIONS

GreenSource Initiative™

Metal and packaging components are made from recycled materials. Manufactured using renewable solar energy, produced onsite. Returnable to manufacturer at end of life to ensure cradle-to-cradle handling. Packaging contains no chlorofluorocarbons (CFCs). Use of this product may qualify for GreenSource efficacy and recycling rebate(s). Consult www.bklighting.com/greensource for program requirements

Materials Furnished in Copper-Free Aluminum (Type 6061-T6), Brass (Type 360) or Stainless Steel (Type 304).

Canopy 2 1/4" diameter canopy. Machined from solid billet with chamfered edge. 7/8" Dia. Slip Hole for use with 1/2" I.P. threaded nipple.

Installation

Machined anchor base with 7/8"dia. slip conduit hole and [2] 1/4" anchor bolt holes (hardware by others).

Finish

StarGuard^e (Pat. Pend.), a RoHs compliant, 15 stage chromate-free process cleans and conversion coats aluminum components prior to application of Class 'A' TGIC polyester powder coating. Brass components are available in powder coat or handcrafted metal finish. Stainless steel components are available in handcrafted metal finish. (Brushed finish for interior use only).

Warranty 5 year limited warranty.

Certification and Listing Suitable for indoor or outdoor use. Made in USA.

UB

B-K LIGHTING	40429 Brickyard Drive • Madera, CA 93636 • USA 559.438.5800 • FAX 559.438.5900 www.bklighting.com • info@bklighting.com	SUBMITTAL DATE 6-29-11	DRAWING NUMBER SUB001252
---------------------	---	------------------------	-----------------------------

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF B-K LIGHTING, INC. AND ITS RECEIPT OR POSSESSION DOES NOT CONVEY ANY RIGHTS TO REPRODUCE, DISCLOSE ITS CONTENTS, OR TO MANUFACTURE, USE OR SELL ANYTHING IT MAY DESCRIBE. REPRODUCTION, DISCLOSURE OR USE WITHOUT SPECIFIC WRITTEN AUTHORIZATION OF B-K LIGHTING, INC. IS STRICTLY FORBIDDEN.

Hiram Banks	Sebastopol Hotel	Project #: 184-17	Date: 07/24/18	TYPE
Lighting Design	LIGHTING FIXTURE CUTSHEET	17		
	The work contained in this document is the property of Hiram Banks This includes, but is not limited to quantity, spacing, and type of ligh			

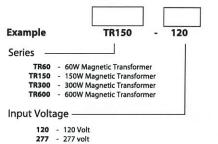


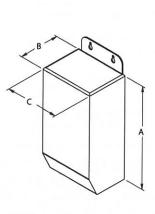
TR SERIES

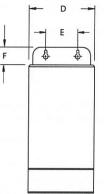
DIMENSIONS

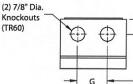
PROJECT:	
TYPE:	
CATALOG NUMBER:	
SOURCE:	
NOTES:	

CATALOG NUMBER LOGIC

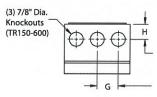








н



All dimensions indicated on this submittal are nominal.

TRANSFORMER DATA

									Contact Technic	al Sales if you requ	sire more stringer	t specification
Series	Input Voltage	Max. Load	Circuit Breaker	Weight	Height A	Depth B	с	D	E	F	G	н
TR60	120V	60W	8A	3.7 lbs.	7-1/2"	2-15/16"	3"	3-7/64"	1-1/2"	1-1/16"	1-1/2"	3/4"
TR150	120V	150W	25A	6 lbs.	8"	3-3/32"	4-3/32"	5-1/2″	4-1/8"	1-1/8"	1-5/16"	15/16"
TR300	120V	300W	25A	7.13 lbs.	8"	3-3/32"	4-3/32"	5-1/2"	4-1/8"	1-1/8"	1-5/16"	15/16"
TR600	120V	600W	25A	14.9 lbs.	9-13/32"	4-3/32"	4-19/32"	5-3/4"	4-5/8"	1-1/16"	1-1/2"	1-1/4"
TR60	277V	60W	8A	3.7 lbs.	7-1/2"	2-15/16"	3"	3-7/64"	1-1/2"	1-1/16"	1-1/2"	3/4"
TR150	277V	150W	25A	6 lbs.	8"	3-3/32"	4-3/32"	5-1/2"	4-1/8"	1-1/8"	1-5/16"	15/16"
TR300	277V	300W	25A	7.13 lbs.	8"	3-3/32"	4-3/32"	5-1/2″	4-1/8"	1-1/8"	1-5/16"	15/16"
TR600	277V	600W	25A	14.9 lbs.	9-13/32"	4-3/32"	4-19/32"	5-3/4"	4-5/8"	1-1/16"	1-1/2"	1-1/4
							1 13/32	5 5/ 1	1 3/0	1 1/10	1 1/2	_

SPECIFICATIONS

Housing Stainless steel, NEMA Outdoor 3R rated enclosure. [2] (TR60) or [3] (TRISO-600) bottom entry 7/8" knockouts provide access to wiring compartment. Riveted, hinged cover opens vertically from bottom to top for service access.

Transformer Fully encapsulated, Class B insulated, low voltage magnetic transformer. 120VAC or 277VAC input. 12VAC output (fully loaded). 0.6A (120VAC) or 0.3A (277VAC) maximum no load input current. Manual thermal reset. Secondary circuit breaker. Enclosure temperature <65° C when fully loaded (in 40° C ambient).

B-K

For use with halogen and 영화하는 products. Fully dimmable utilizing magnetic low voltage dimmers. Consult fixture specification for dimming capability.

Output Wiring See B-K Lighting Low Voltage Design Guide on reverse.

Warranty Limited five year warranty.



SEP 1 3 2018 40429 Brickyard Drive • Madera, CA 93636 • USA 559.438.5800 • FAX 559.438.5900 www.bklighting.com • info@bklighting.com SUBMITTAL DATE SUBMITTAL NUMBER _IGHTING 7-30-13 **TR-SERIES** THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF B-K LIGHTING, INC. AND ITS RECEIPT OR POSSESSION DOES NOT CONVEY ANY RIGHTS TO REPRODUCE, DISCLOSE ITS CONTENTS, OR TO MANUFACTURE, USE OR SELL ANYTHING IT MAY DESCRIBE. REPRODUCTION, DISCLOSURE OR USE WITHOUT SPECIFIC WRITTEN AUTHORIZATION OF B-K LIGHTING, INC. IS STRICTLY FORBIDDEN.

c (HL) us

Hiram Banks	Sebastopol Hotel	Project #: 184-17	Date: 07/24/18	TYPE
Lighting Design	LIGHTING FIXTURE CUTSHEET Issue: 70% CD PERMIT SET		17	
Boolgin	The work contained in this document is the property of Hiram Ban This includes, but is not limited to quantity, spacing, and type of I			

Low Voltage Guide

Many B-K LIGHTING fixtures operate on 12 volts. Taking advantage of these energy-saving fixtures requires appropriate care in planning the electrical wiring system. To maintain expected lamp performance, we recommend the following procedures in sizing your low-voltage wiring system.

SIZING OF LOW VOLTAGE WIRING

- 1. Locate and plot fixtures on plan. Choose the lighting equipment necessary to create the desired lighting effects. Mark lamp wattage for each fixture location.
- Identify potential transformer locations. The ideal locations are those which provide for the shortest possible low voltage distances (inconspicuous areas, behind rocks, shrubbery, etc., within the landscape). UPM, Power Pipe™, Power Pipe II™, or, if available, transformers integral in the fixture are good ways to hide the transformer and reduce voltage drop problems.
- Add the total wattage for the proposed low voltage run. Measure the wire lengths from the transformer to the fixture locations. Find the distance to the "CENTER OF LOAD" of the low voltage run.

CENTER	_	Distance from first to last fixture	Distance from transformer
OF LOAD	=	(2) Two	to first fixture

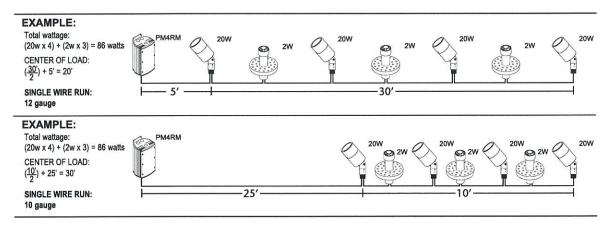
4. Using the B-K LIGHTING Wire Selection Table, select the wattage column which applies. Look down the column stopping at a distance, in feet, that is equal or greater than the "CENTER OF LOAD" distance. Look across to find the proper wire size for your layout.

	12-VOLT WIRE SELECTION TABLE																
WIRE		TOTAL WATTAGE															
SIZE	12	20	24	35	40	50	60	70	80	100	105	120	140	150	160	200	250
12	178	106	89	60	53	42	35	30	26	21	20	17	15	13	—	-	-
10	283	169	141	96	85	67	56	48	42	33	32	28	24	22	19	17	13
8	450	269	225	154	135	107	90	77	67	54	51	45	38	36	31	27	21
6	715	428	357	245	214	171	143	122	107	85	81	71	61	57	49	42	34
CENTER OF LOAD WIRING DISTANCES IN FEET																	

Note: In the event of multiple runs from a given transformer, treat each run separately.

The Wire Selection Table provided is based on a maximum allowable voltage drop of 5%. Electrical designs which allow greater than 5% voltage drop, reduce rated light output beyond acceptable levels.

The importance of the proper wire selection is demonstrated below. Both examples have the same total watts and identical overall lengths of wire run, yet require different wire sizes, or multiple wire runs, to operate within the 5% maximum voltage drop B-K LIGHTING criteria.



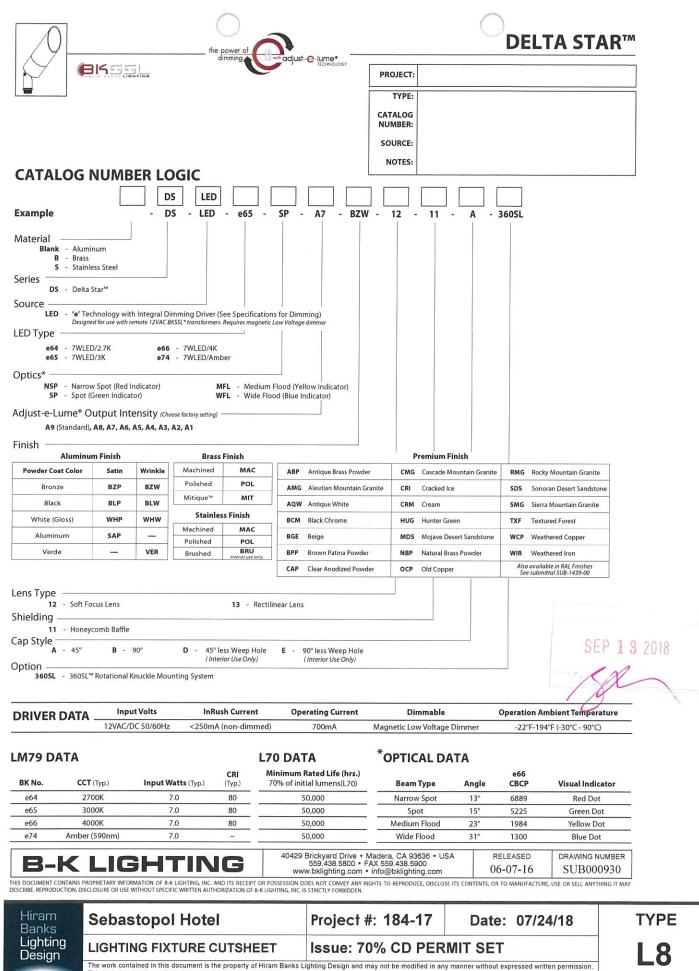
TRANSFORMERS

For areas which are far reaching from fixtures, running 120 volt power to each fixture location with individual transformers, such as TRSS75 or TRSS150, provides an excellent economic solution to voltage drop. These transformers can also be specified in the UPM, Power Pipe™, and Power Pipe II[™] transformer housings.

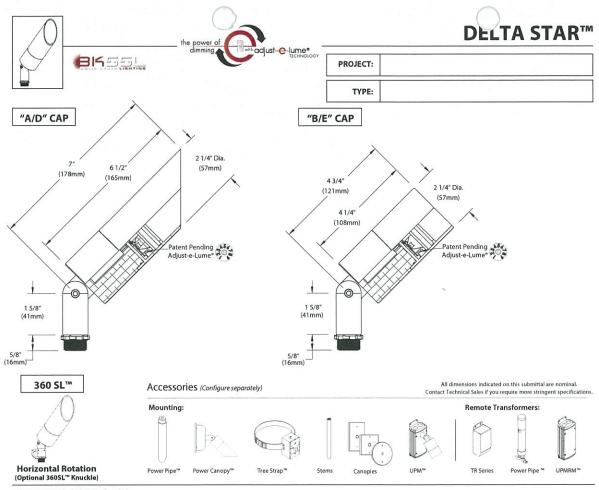
Note: Installations should be in accordance with the National Electric Code and applicable local codes.

B-K LIGHTING

Hiram Banks	Sebastopol Hotel	Project #: 184-17	Date: 07/24/18	TYPE					
_ighting Design	LIGHTING FIXTURE CUTSHEET	MIT SET	17						
Jealgh	The work contained in this document is the property of Hiram Banks Lighting Design and may not be modified in any manner without expressed written permission. This includes, but is not limited to quantity, spacing, and type of lighting equipment.								



This includes, but is not limited to quantify, spacing, and type of lighting equipment.



SPECIFICATIONS GreenSource Initiative™

Metal and packaging components are made from recycled materials. Manufactured using renewable solar energy, produced on site. Returnable to manufacturer at end of life to ensure cradle-to-cradle handling. Packaging contains no chlorofluorocarbons (CFC's). Use of this product may qualify for GreenSource efficacy and recycling rebate(s). Consult www bklighting.com/greensource for program requirements.

Materials

Furnished in Copper-Free Aluminum (Type 6061-T6), Brass (Type 360) or Stainless Steel (Type 304).

Body

Body Fully machined from solid billet. Unibody design provides enclosed, water-proof wireway and integral heat sink for maximum component life. Integral knuckle for maximum mechanical strength. High temperature, silicone 'O' Ring provides water-tight seal.

Knuckle

The LOCK[™] (Locking 'O' Ring Compression Knuckle) is comprised of two components. The first is integral to the body and features an interior, machined taper. The second is machined from solid billet and features a second, reverse angle taper. The resultant mechanical taper-lock allows a full 180° vertical adjustment without the use of serrated teeth, which inherently limit aiming. High temperature, silicone 'O' Ring provides water-tight seal and compressive resistance to maintain fixture position. Design withstands 73 lb. static load prior to movement to ensure decades of optical alignment. ½" pipe thread for mounting.

Optional 360SL[™] additionally provides biaxial source control with 360° horizontal rotation in addition to vertical adjustment.

Cap Fully machined. Accommodates [1] lens or louver media. Choose from 45° cutoff ('A' or 'D'), or 1" deep bezel with 90° cutoff ('B' or 'E') cap styles. 'A' and 'B' caps include weep-hole for water and debris drainage. 'D' and 'E' caps exclude weep-hole and are for interior use only.

Lens

Shock resistant, tempered, glass lens is factory adhered to fixture cap and provides hermetically sealed optical compartment. Specify soft focus (#12) or rectilinear (#13) lens.

BKSSL[®]

BRSSL⁻ Integrated solid state system with 'e' technology is scalable for field upgrade. Modular design with electrical quick disconnects permit field maintenance. High power, forward throw source complies with ANSI C78.377 binning requirements. Exceeds ENERGY STAR⁺ lumen maintenance requirements. LM-80 certified components.

Integral, constant current driver. 12VAC/VDC input. 50/60Hz. Proprietary input control scheme achieves power factor correction and eliminates inrush current. Output, over-voltage, open-circuit, and short circuit protected. Inrush current limited to <250mA (non-dimming). Conforms to Scheveled (2020 b) 2020 12 Safety Std. C22.2 No. 250.13-12.

Dimming

Dimming Line voltage dimmable via magnetic low voltage dimmer. For use with low voltage dimmer with dedicated neutral conductor. For purposes of dimming: Remote magnetic transformer with BKSLP Power of 'e technology loads should be loaded to 25% of the transformer VA (watts) rated value.

Remote Transformer For use with 12VAC 문녀들들도 remote transformer or magnetic transformers only. B-K Lighting cannot guarantee performance with third party manufacturers' transformers.

Adjust-e-Lume® (Pat. Pending) Integral electronics allows dynamic lumen response at the individual fixture. Indexed (100% to 25% nom.) lumen output. Maintains output at desired level or may be changed as conditions require. Specify factory preset output intensity.

Optics

Uptics Interchangeable OPTIKIT[™] modules permit field changes to optical distribution. Color-coded for easy reference: Narrow Spot (NSP) = Red. Spot (SP) = Green. Medium Flood (MFL) = Yellow. Wide Flood (WFL) = Blue.

Wiring Teflon[®] coated, 18AWG, 600V, 250° C rated and certified to UL 1659 standard.

Hardware

Tamper-resistant, stainless steel hardware. LOCK[™] aiming screw is additionally black oxide treated for additional corrosion resistance.

Finish

StarGuard®, our exclusive RoHs compliant, 15 stage StarGuardo, our exclusive roots compilant, 15 stage chromate-free process cleans and conversion coats aluminum components prior to application of Class 'A' TGIC polyester powder coating. Brass components are available in powder coat or handcrafted metal finish. Stainless steel components are available in handcrafted metal finish. (Brushed finish for interior use only).

Warranty 5 year limited warranty.

Certification and Listing ITL tested to IESNA LM-79. UL Listed. Certified to CAN/CSA/ ANSI Standards. RoHs compliant. Suitable for indoor or outdoor use. Suitable for use in wet locations. Suitable for installation within 4' of the ground. IP66 Rated. Made in USA.



*Teflon is a registered trademark of DuPont Corporation. *Energy Star is a registered trademark of the United States Environmental Protection Agency.

B-K	IGHTING	9 Brickyard Drive • Madera, CA 93636 • USA 559.438.5800 • FAX 559.438.5900 ww.bklighting.com • info@bklighting.com	RELEASED 06-07-16	SUB000930	
Hiram Banks	Sebastopol Hotel	Project #: 184-17	Date:	07/24/18	TYPE
Lighting Design	LIGHTING FIXTURE CUTSHE	ET Issue: 70% CD PE	RMIT SET		L8
Beeign	The work contained in this document is the property of H This includes, but is not limited to quantity, spacing, and		any manner without exp	pressed written permission.	



LAMP & DRIVER DATA e64, e65, e66, e74

DRIVER	Input Volts	InRush Current	Operating	Dimmable	Operation Ambient Temperature
DATA	12VAC/DC 50/60Hz	<250mA (non-dimmed)	700mA	Magnetic Low Voltage Dimmer	-22°F-194°F (-30°C - 90°C)

	Li	M79 DAT	A	L70 DATA	OPTICAL DATA			
BK No.	ССТ (Тур.)	CRI (Typ.)	Input Watts (Typ.)	Minimum Rated Life (hrs.) 70% of initial lumens (L ₇₀)	Angle	СВСР	Delivered Lumens	
	2700K	80	7	50,000	13°	5993	456	
e64	2700K	80	7	50,000	16°	4546	445	
	2700K	80	7	50,000	23°	1726	397	
	2700K	80	7	50,000	31°	1131	399	
	3000K	80	7	50,000	13°	6131	466	
	3000K	80	7	50,000	16°	4650	455	
e65	3000K	80	7	50,000	23	1766	406	
	3000K	80	7	50,000	31°	1157	409	
	4000K	80	7	50,000	13°	6889	524	
	4000K	80	7	50,000	16°	5225	511	
e66	4000K	80	7	50,000	23°	1984	456	
	4000K	80	7	50,000	31°	1300	459	
e74	Amber (590nm)	~	7	50,000	~	~	~	

OPTICS					
Optic	Angle				
NSP - Narrow Spot	13°				
SP - Spot	16°				
MFL - Medium Flood	23°	_			
WFL - Wide Flood	31°				

В-К	LIGHTING	559,438,5	Drive • Madera, CA 93636 • USA 800 • FAX 559,438,5900 g.com • info@bklighting.com	RELEASED 05-23-2017	DRAWING NUMBER SUB-2586-00	13 2018
Hiram Banks	Sebastopol Hotel		Project #: 184-17	Date:	07/24/18	TYPE
Lighting Design	LIGHTING FIXTURE CU The work contained in this document is the p This includes, but is not limited to quantity, s	property of Hiram Banks L	Issue: 70% CD PE	L8		



0 RED 🜔 Narrow Spot (NSP) 1 00 GREEN Spot (SP) YELLOW Medium Flood (MFL) BLUE 🜔 Wide Flood (WFL)

NOTE:

Adjust-e-Lume® dial is set to the factory standard: 9

'OT : 13°		Footcandles				
.A9	Beam Dia.	e64 2700K	e65 3000K	e66 4000k		
	1'	375	384	431		
4	2'	94	96	108		
\square	3'	42	43	48		
	4'	23	24	27		
	5'	15	15	17		
	0	POT : 13° Beam Dia. 1' 2' 3' 4' 5'	Beam Dia. e64 2700K 1' 375 2' 94 3' 42	Beam Dia. e64 2700K e65 3000K 1' 375 384 2' 94 96 3' 42 43		

OT:15°			Footcandles	
Distance	Beam Dia.	e64 2700K	e65 3000K	e66 4000K
4'	1'	284	291	327
8'	2'	71	73	82
12'	3'	32	32	36
16'	4'	18	18	20
20'	5'	11	12	13

If using No. 11 Honeycomb Baffle, multiply footcandle values by .80.

EDIUM FL	OOD:23	0	Footcandles				
Distance		Beam Dia.	e64 2700K	e65 3000K	e66 4000k		
4'		2'	108	110	124		
8'		3'	27	28	31		
12'		5'	12	12	14		
16'	1-1-	7'	7	7	8		
20'	/	8'	4	4	5		

If using No. 11 Honeycomb Baffle, multiply footcandle values by .80.

DE FLOOD : 3	1 °		Footcandles	
Distance	Beam Dia.	e64 2700K	e65 3000K	e66 4000
	2'	71	72	81
8'	4'	18	18	20
12'	7'	8	8	9
16'	9'	4	5	5
20'	\ 11'	3	3	3

If using No. 11 Honeycomb Baffle, multiply footcandle values by 80.

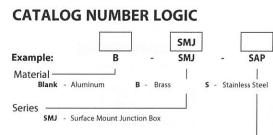


Hiram Banks	Sebastopol Hotel	Project #: 184-17 Date: 07/24/18		TYPE				
Lighting Design	LIGHTING FIXTURE CUTSHEET	18						
Deeign		e work contained in this document is the property of Hiram Banks Lighting Design and may not be modified in any manner without expressed written permission. is includes, but is not limited to quantity, spacing, and type of lighting equipment.						



SURFACE MOUNT JUNCTION BOX

PROJECT:	
TYPE:	
CATALOG NUMBER:	
SOURCE:	
NOTES:	



Finish

Aluminum & B	es	Brass Fi	nishes	
Powder Coat Color	Satin	Wrinkle	Machined	MAC
Bronze	BZP	BZW	Polished	POL
Black	BLP	BLW	Mitique™	MIT
White (Gloss)	WHP	WHW	Stainless	Finishes
			Machined	MAC

VER

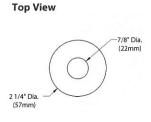
SAP

		Р	remium Finish		
ABP	Antique Brass Powder	CMG	Cascade Mountain Granite	RMG	Rocky Mountain Granite
AMG	Aleutian Mountain Granite	CRI	Cracked Ice	SDS	Sonoran Desert Sandstone
AQW	Antique White	CRM	Cream	SMG	Sierra Mountain Granite
всм	Black Chrome	HUG	Hunter Green	TXF	Textured Forest
BGE	Beige	MDS	Mojave Desert Sandstone	WCP	Weathered Copper
BPP	Brown Patina Powder	NBP	Natural Brass Powder	WIR	Weathered Iron
CAP	Clear Anodized Powder	OCP	Old Copper		available in RAL Finishes submittal SUB-1439-00

CANOPY

Aluminum

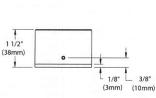
Verde





Polished

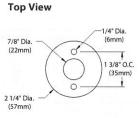
Brushed



POI

BRU









SEP 1 3 2018

DRAWING NUMBER

SPECIFICATIONS

GreenSource Initiative™

THIS DOCUMENT CONTAINS PROPE DESCRIBE. REPRODUCTION, DISCLO

Hiram

Banks Lighting

Design

Metal and packaging components are made from recycled materials. Manufactured using renewable solar energy, produced onsite. Returnable to manufacturer at end of life to ensure cradle-to-cradle handling. Packaging contains no chlorofluorocarbons (CFC's). Use of this product may qualify for GreenSource efficacy and recycling rebate(s). Consult www.bklighting.com/greensource for program requirements.

Materials

Furnished in Copper-Free Aluminum (Type 6061-T6), Brass (Type 360) or Stainless Steel (Type 304).

-	a	n	~	2	•
~	a		υ	μ	

2 1/4" diameter canopy. Machined from solid billet with chamfered edge. 7/8" Dia. Slip Hole for use with 1/2" I.P. threaded nipple.

Installation

Machined anchor base with 7/8"dia. slip conduit hole and [2] 1/4" anchor bolt holes (hardware by others).

Finish

StarGuard* (Pat. Pend.), a RoHs compliant, 15 stage chromate-free process cleans and conversion coats aluminum components prior process cleans and conversion coats aluminum components prior to application of Class 'A' TGIC polyester powder coating. Brass components are available in powder coat or handcrafted metal finish. Stainless steel components are available in handcrafted metal finish. (Brushed finish for interior use only).





Certification and Listing Suitable for indoor or outdoor use. Made in USA.

40429 Brickyard Drive • Madera, CA 93636 • USA 559.438.5800 • FAX 559.438.5900 www.bklighting.com • info@bklighting.com SUBMITTAL DATE **B-K LIGHTING** 6-29-11

NS PROPRIETARY INFORMATION OF B-K LIGHTING, INC. AND ITS RECEIPT OR POSS N, DISCLOSURE OR USE WITHOUT SPECIFIC WRITTEN AUTHORIZATION OF B-K LIGHT	559.438.5900 • FAX 559.438.5900 www.bklighting.com • info@bklighting.com ESSION DOES NOT CONVEY ANY RIGHTS TO REPRODUCE, DISCLI ING.INC, ISSTRICTLY FORBIDDEN.		SUB001252 RE, USE OR SELL ANYTHING IT	
Sebastopol Hotel	Project #: 184-17	Date: 07/24	l/18	TYPE
LIGHTING FIXTURE CUTSHEET	Issue: 70% CD PERI	MIT SET	na plug dasa	L8
The work contained in this document is the property of Hiram Ba This includes, but is not limited to quantity, spacing, and type of	nks Lighting Design and may not be modified in any lighting equipment.	manner without expressed writte	en permission.	LU

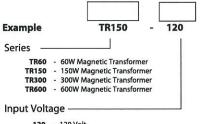


Magnetic Transformer

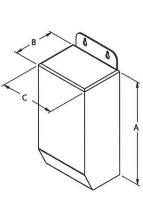
TR SERIES

PROJECT:			
TYPE:	114		
CATALOG NUMBER:			
SOURCE:			
NOTES:			

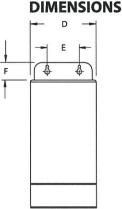
CATALOG NUMBER LOGIC

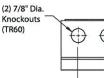


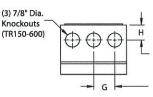
120 - 120 Volt 277 - 277 volt



н







TRANSFORMER DATA

	ONMEN		•							sions indicated on al Sales if you requ		
Series	Input Voltage	Max. Load	Circuit Breaker	Weight	Height A	Depth B	с	D	E	F	G	н
TR60	120V	60W	8A	3.7 lbs.	7-1/2"	2-15/16"	3"	3-7/64"	1-1/2"	1-1/16"	1-1/2"	3/4"
TR150	120V	150W	25A	6 lbs.	8"	3-3/32"	4-3/32"	5-1/2"	4-1/8"	1-1/8"	1-5/16"	15/16"
TR300	120V	300W	25A	7.13 lbs.	8"	3-3/32"	4-3/32"	5-1/2"	4-1/8"	1-1/8"	1-5/16"	15/16"
TR600	120V	600W	25A	14.9 lbs.	9-13/32"	4-3/32"	4-19/32"	5-3/4"	4-5/8"	1-1/16"	1-1/2"	1-1/4"
TR60	277V	60W	8A	3.7 lbs.	7-1/2"	2-15/16"	3"	3-7/64"	1-1/2"	1-1/16"	1-1/2"	3/4"
TR150	277V	150W	25A	6 lbs.	8"	3-3/32"	4-3/32"	5-1/2″	4-1/8"	1-1/8"	1-5/16"	15/16"
TR300	277V	300W	25A	7.13 lbs.	8"	3-3/32"	4-3/32"	5-1/2″	4-1/8"	1-1/8"	1-5/16"	15/16"
TR600	277V	600W	25A	14.9 lbs.	9-13/32"	4-3/32"	4-19/32"	5-3/4"	4-5/8"	1-1/16"	1-1/2"	1-1/4

SPECIFICATIONS

Housing Stainless steel, NEMA Outdoor 3R rated enclosure. [2] (TR60) or [3] (TR150-600) bottom entry 7/8" knockouts provide access to wiring compartment. Riveted, hinged cover opens vertically from bottom to top for service access.

Transformer

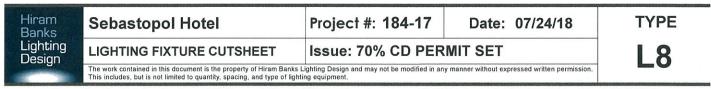
Fully encapsulated, Class B insulated, low voltage magnetic ransformer. 120VAC or 277VAC input. 12VAC output (fully loaded). 0.6A (120VAC) or 0.3A (277VAC) maximum no load input current. Manual thermal reset. Secondary circuit breaker. Enclosure temperature <65° C when fully loaded (in 40° C ambient). For use with halogen and 문도유도노 products. Fully dimmable utilizing magnetic low voltage dimmers. Consult fixture specification for dimming capability.

Output Wiring See B-K Lighting Low Voltage Design Guide on reverse.

Warranty Limited five year warranty.

Certification and Listings Nema Type 3R Enclosure. Suitable for indoor and outdoor use. UL Listed to ANSI/UL Standard 1012. c (UL) us

DVICUTINC	40429 Brickyard Drive • Madera, CA 93636 • USA 559.438.5800 • FAX 559.438.5900	SUBMITTAL DATE	SUBMITTAL NUMBER
B-K LIGHTING	www.bklighting.com • info@bklighting.com	7-30-13	TR-SERIES
THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF B-K LIGHTING, INC. AND ITS RECEIPT OR POSSE DESCRIBE. REPRODUCTION, DISCLOSURE OR USE WITHOUT SPECIFIC WRITTEN AUTHORIZATION OF B-K LIGHTI		TENTS, OR TO MANUFACTURE,	USE OR SELL ANYTHING IT MAY



Low Voltage Guide

Many B-K LIGHTING fixtures operate on 12 volts. Taking advantage of these energy-saving fixtures requires appropriate care in planning the electrical wiring system. To maintain expected lamp performance, we recommend the following procedures in sizing your low-voltage wiring system.

SIZING OF LOW VOLTAGE WIRING

- 1. Locate and plot fixtures on plan. Choose the lighting equipment necessary to create the desired lighting effects. Mark lamp wattage for each fixture location.
- Identify potential transformer locations. The ideal locations are those which provide for the shortest possible low voltage distances (inconspicuous areas, behind rocks, shrubbery, etc., within the landscape). UPM, Power Pipe™, Power Pipe II™, or, if available, transformers integral in the fixture are good ways to hide the transformer and reduce voltage drop problems.
- Add the total wattage for the proposed low voltage run. Measure the wire lengths from the transformer to the fixture locations. Find the distance to the "CENTER OF LOAD" of the low voltage run.

CENTER		Distance from first to last fixture		Distance from transformer	
OF LOAD	-	(2) Two	+	to first fixture	

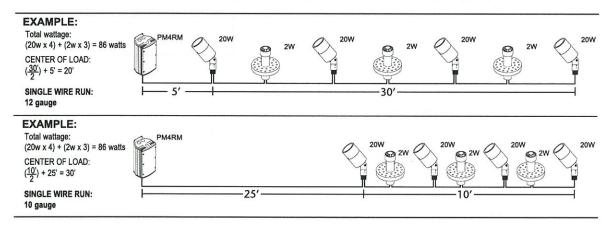
4. Using the B-K LIGHTING Wire Selection Table, select the wattage column which applies. Look down the column stopping at a distance, in feet, that is equal or greater than the "CENTER OF LOAD" distance. Look across to find the proper wire size for your layout.

WIRE								TOTA	L WAT	TAGE							
SIZE	12	20	24	35	40	50	60	70	80	100	105	120	140	150	160	200	250
12	178	106	89	60	53	42	35	30	26	21	20	17	15	13		-	-
10	283	169	141	96	85	67	56	48	42	33	32	28	24	22	19	17	13
8	450	269	225	154	135	107	90	77	67	54	51	45	38	36	31	27	21
6	715	428	357	245	214	171	143	122	107	85	81	71	61	57	49	42	34
			•			CENT	ER OF	LOAD	VIRING	DISTAN	CES IN	FEET	•		•	here a second	

Note: In the event of multiple runs from a given transformer, treat each run separately.

The Wire Selection Table provided is based on a maximum allowable voltage drop of 5%. Electrical designs which allow greater than 5% voltage drop, reduce rated light output beyond acceptable levels.

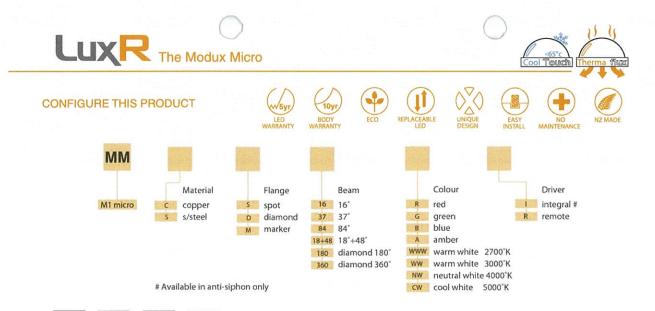
The importance of the proper wire selection is demonstrated below. Both examples have the same total watts and identical overall lengths of wire run, yet require different wire sizes, or multiple wire runs, to operate within the 5% maximum voltage drop B-K LIGHTING criteria.



TRANSFORMERS

For areas which are far reaching from fixtures, running 120 volt power to each fixture location with individual transformers, such as TRSS75 or TRSS150, provides an excellent economic solution to voltage drop. These transformers can also be specified in the UPM, Power Pipe ™, and Power Pipe II[™] transformer housings.

🎽 B-K Lig		ance with the National Electric Code and ap	oplicable local codes.	SEP 1 3 2018
Hiram Banks	Sebastopol Hotel	Project #: 184-17	Date: 07/24/18	ТҮРЕ
Lighting Design	LIGHTING FIXTURE CUTSHEET	Issue: 70% CD PER	MIT SET	18
Beeligh	The work contained in this document is the property of Hiram Bank This includes, but is not limited to quantity, spacing, and type of lig		y manner without expressed written permission.	LU



SPECIFICATIONS

IP68

CE

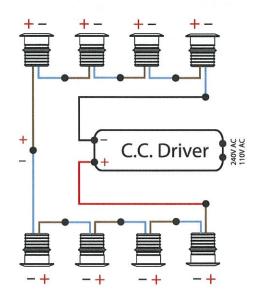
PART

L

111

Power	up to 1 Watt , 60mA - 360mA
Ingress Protection Rating	IP68
Cable	H05RN - F ¹ /2 m included
Material	316 Stainless Steel , Copper
Flange	Spotlight Diamond perpendicular distribution Marker diffuse perpendicular distribution
Removable Light Engine	Pin mounted 1W Cree XTE Chip
Colour Temperature	Warm White 2700°K Warm White 3000°K Neutral White 4000°K Cool White 5000°K Red, Green, Blue, Amber
CRI	Ra 85
Efficacy	55 Lm/W (Spotlight version)
Spotlight Optic Degrees	16° , 37° , 84° , 18°+ 48° oval
Input Current	60 - 360mA
Warranty	LED Warranty 5 years Body Warranty 10 years
Input Current	350mA Constant Current (Remote) 12V AC (Integral)

INSTALLATION FOR REMOTE DRIVER WIRED IN SERIES



INSTALLATION INSTRUCTIONS

Connect in series. IP68 connector recommended. Never switch the output of a constant current driver. Driver must be switched off when connecting LED's to prevent damage.

PRODUCT NOTES

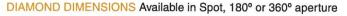
Discrete minature lighting of the highest quality. Precise two step LED binning by Cree allows LuxR products to be situated close to one another ensure the same colour temperature without fear of any variance in colour.

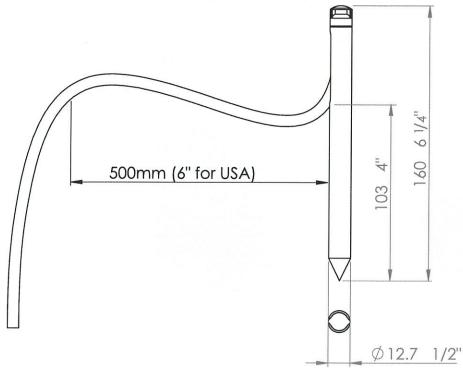
www.luxrled.com

Copyright ©2016 LuxR Limited, v6 October 2016

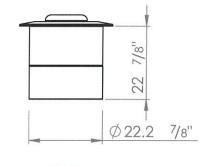
Hiram Banks Lighting Design	Sebastopol Hotel	Project #: 184-17	TYPE	
	LIGHTING FIXTURE CUTSHEET	Issue: 70% CD PER	19	
	The work contained in this document is the property of Hiram Banks This includes, but is not limited to quantity, spacing, and type of lig			

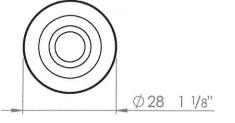






MARKER DIMENSIONS





SEP 13 2018

www.luxrled.com

Copyright ©2016 LuxR Limited, v6 October 2016

Hiram Banks Lighting Design	Sebastopol Hotel	Project #: 184-17	Date: 07/24/18	TYPE
	LIGHTING FIXTURE CUTSHEET	Issue: 70% CD PER	L9	
	The work contained in this document is the property of Hiram Banks This includes, but is not limited to quantity, spacing, and type of ligh	LV		

LUXR HUN1050DALI

The HUNZA HUN1050DALI/EN is a 50 Watt electronic, constant current, remote driver available to power LuxR series version fixtures. It includes a DIP-SWITCH control system that enables the unit to be set at a range of current outputs from 350mA to 1050mA. 1-10v and Dali dimmable.

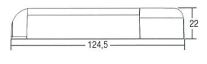
For exterior use, it is highly recommended to install this in a weatherproof box, available as an option from LuxR. The PC-17-02 weatherproof box is a requirement for UL compliance.

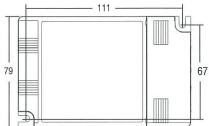
When this driver is used as a remote power supply, SERIES WIRING is required to connect the fixtures. Please refer to the wiring diagram overleaf.





Weatherproof enclosure (PC-17-02) Dimensions: 175mmx125mmx100mm 7" X 5" X4"





SPECIFICATIONS

Input Voltage	99-264Vac 50-60Hz, 170-280Vdc	C THE US
Output Voltage	0V-74V dc (depending on DIP-SWITCH setting)	
Output Current	350 – 1050mA (depending on DIP-SWITCH setting)	
Wattage	25W – 50W (depending on DIP-SWITCH setting)	
Temperature range	-25+50°C, max 85°C	
Dimensions	22x79x124mm (7/8" x 3 1/8" x 4 7/8")	
Standards	IP20, RCM (C-Tick), EN, CE, CSA, UL Recognized	
Ordering Code	HUN1050DALI/EN	
Ingress Protection Rating	IP20	
Compatibility	Modux: Micro, 1, 2 or 4 products	
Warranty	Warranty 5 years	

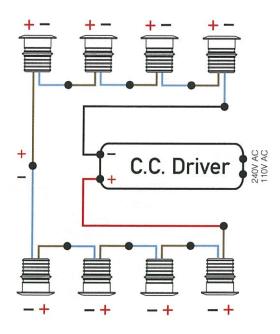
www.luxrled.com

Copyright ©2016 LuxR Limited, Nov 2016

Hiram Banks	Sebastopol Hotel	Project #: 184-17	TYPE
Lighting Design	LIGHTING FIXTURE CUTSHEET	Issue: 70% CD PER	L9
Dealgit	The work contained in this document is the property of Hiram Banks L This includes, but is not limited to quantity, spacing, and type of lighti	LV	

LUXR HUN1050DALI

SERIES WIRING SCHEMATIC



INSTALLATION INSTRUCTIONS

To preserve the validity of your warranty and ensure long term performance of your LuxR products, it is critical to follow the correct installation procedures.

The installation of LuxR Modux range of luminaires must be carried out by a suitably qualified person in accordance with local and/or international standards. When working on an electrical system all precautions should be taken to prevent electrical shock.

When the driver device has been switched off there a residual voltage, which can be apparent for up to 10 minutes. Connecting LEDs to a driver device within this time, without first discharging the secondary output will damage the LED's. To prevent damage of the LED, ensure that the circuit is switched off and

	Iriver is not live, before connecting any		SEI	
Hiram Banks	Sebastopol Hotel	Project #: 184-17	Date: 07/24/18	TYPE
Lighting Design	LIGHTING FIXTURE CUTSHEET	Issue: 70% CD PER	L9	

The work contained in this document is the property of Hiram Banks Lighting Design and may not be modified in any manner without expressed written permission. This includes, but is not limited to quantity, spacing, and type of lighting equipment.

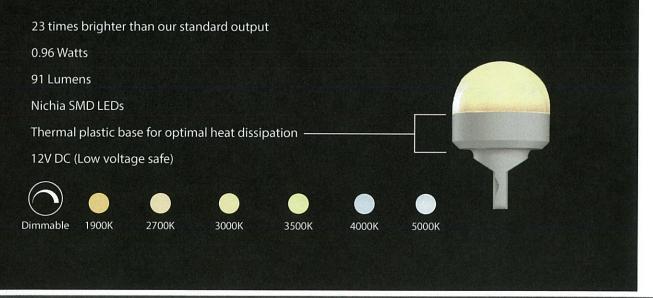


LITESPHERE The Original Spec Grade Strand Light

Hiram Banks Lighting Design	Sebastopol Hotel	Project #: 184-17	TYPE	
	LIGHTING FIXTURE CUTSHEET	Issue: 70% CD PER	L10	
Design	The work contained in this document is the property of Hiram Bank This includes, but is not limited to quantity, spacing, and type of lig			

New Very High Output (VHO) LED Module

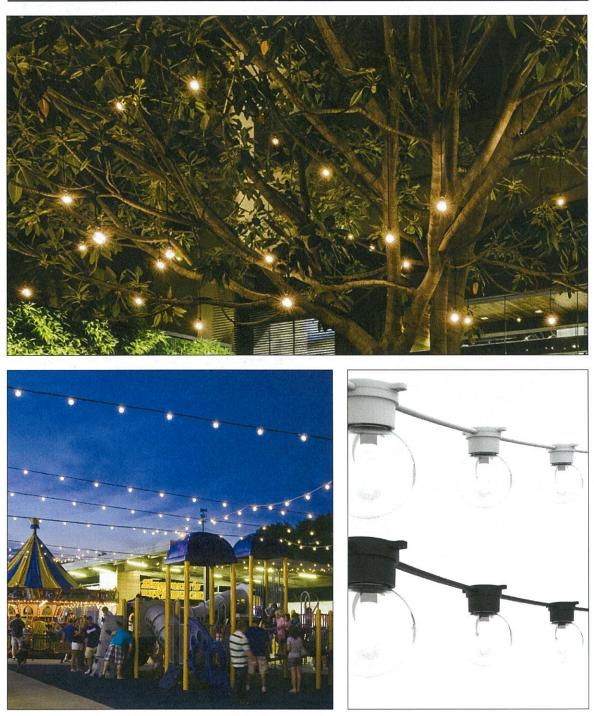




Hiram Banks Lighting Design	Sebastopol Hotel	Project #: 184-17 Date: 07/24/18		TYPE
	LIGHTING FIXTURE CUTSHEET	Issue: 70% CD PER	1.10	
	The work contained in this document is the property of Hiram Banks Lighting Design and may not be modified in any manner without expressed written permission. This includes, but is not limited to quantity, spacing, and type of lighting equipment.			SLP 2018



APPLICATIONS Litesphere

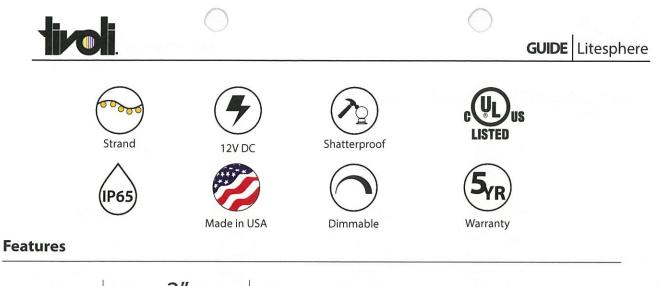


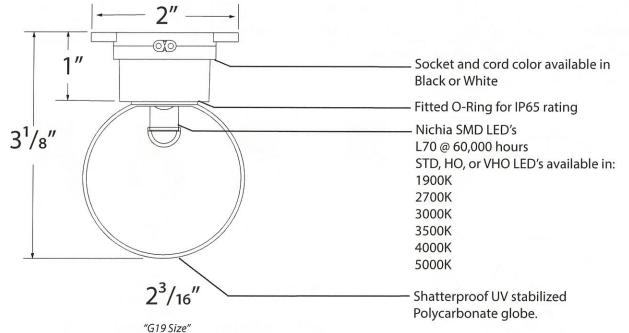
Community Decoration - Fairs and Festivals - Restaurants - Street Scapes - Shopping Centers

Copyright © 2017 Tivoli 09/06/17

www.tivolilighting.com tel: 714-957-6101 fax: 714-427-3458

Hiram Banks	Sebastopol Hotel	Project #: 184-17	Date: 07/24/18	TYPE	
Lighting Design	LIGHTING FIXTURE CUTSHEET	Issue: 70% CD PER	L10		
Deeligh	The work contained in this document is the property of Hiram Bank This includes, but is not limited to quantity, spacing, and type of lig	y manner without expressed written permission.			





Mounting

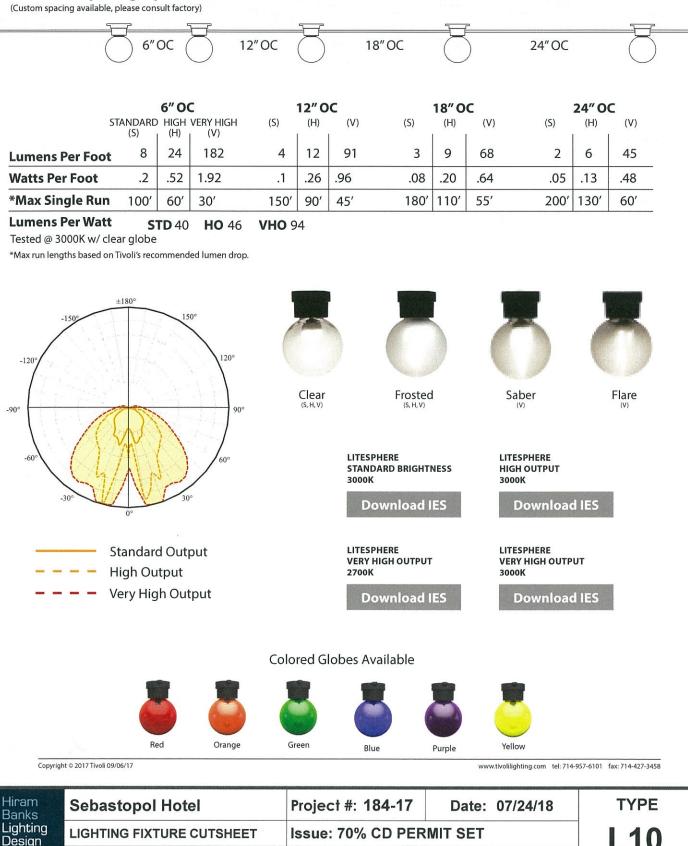
	ary cable hangers r clips included, cable available)	Direct/Surfa	r · 1 ³ /4" OC · 1 CCe www.tivolilighting.com tel: 714-957-6101	SEP 1 3 2018
Hiram Banks	Sebastopol Hotel	Project #: 184-17	Date: 07/24/18	TYPE
Lighting Design	LIGHTING FIXTURE CUTSHEET	Issue: 70% CD PER		L10
	The work contained in this document is the property of Hiram Banks L This includes, but is not limited to quantity, spacing, and type of lighti	ignting Design and may not be modified in an ng equipment.	y manner without expressed written permission.	





Design

Standard Spacing Options & Max Run Chart



Hiram Banks Lighting Design • 461 Second Street, #659 • San Francisco, CA 94107 • 415 618 0855 tel • 415 618 0856 fax

The work contained in this document is the property of Hiram Banks Lighting Design and may not be modified in any manner without expressed written permission. This includes, but is not limited to quantity, spacing, and type of lighting equipment.

irdi

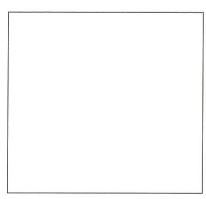
SPEC Litesphere



Project:

Type: _____ Length:_

Notes:



Ordering Information

Product Wire LED Type Spacing CCT Globe Voltage LSL 12 Very High Output 12 12V DC V Litesphere В Black 06 6" OC 19 1900K С Clear White **High Output** W 12 12″OC н 27 2700K F Frosted S Standard Output 3500K recommended for 18″OC 18 30 3000K color globes 24 24"OC 35 3500K Yellow Υ CU custom 40 4000K R Red custom spacing designed and 50 5000K Orange 0 fabricated in our (5000K available Tustin, CA location in Very High G Green Output only) В Blue Ρ Purple Ζ Varied Colors V LED required Tivoli factory cuts and prepares all lengths to your specification. ! Individual lengths and runs must be specified at time of ordering or product will be S Saber shipped in max run lengths (see chart on page 5 for max run lengths) L Flare Lengths and Runs **Extra Feed Cable** *see page 7 for ordering examples *24" lead included, specify if extra length is required LS-XEP SEP 1 3 2018 Length in Extra Lead Quantity В Black Length in feet feet Wire R Max Run White W Copyright © 2017 Tivoli 09/06/17 www.tivolilighting.com tel: 714-957-6101 fax: 714-427-3458

Hiram Banks	Sebastopol Hotel	Project #: 184-17	Date: 07/24/18	TYPE	
Lighting Design	LIGHTING FIXTURE CUTSHEET	Issue: 70% CD PER	MIT SET	L10	
	The work contained in this document is the property of Hiram Bank This includes, but is not limited to quantity, spacing, and type of lig		y manner without expressed written permission.		



Mounting Accessories



LS-CABLE-60 Catenary Cable Kit - 60' LS-CABLE-110 Catenary Cable Kit - 110' LS-CABLE-500 Catenary Cable Kit - 500' (1/8th inch, includes 2 cables locks for use with loads up to 2001bs)

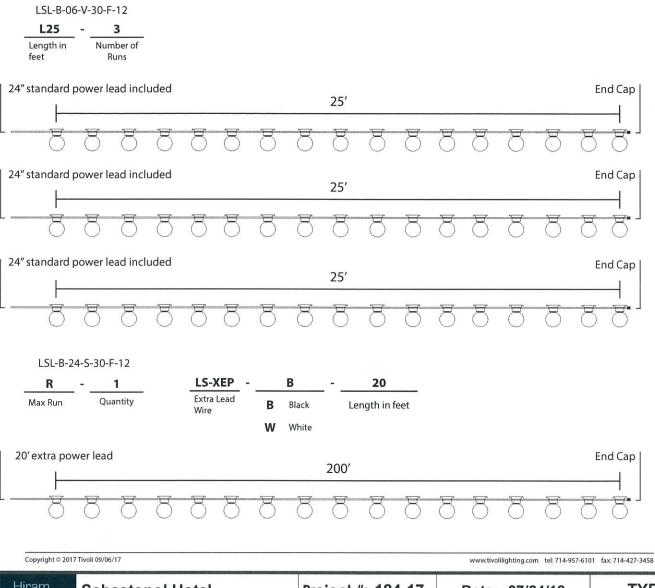


LS-LOCK-4 Cable Lock 1/8th Cable Cable Lock for 1/8th inch cable, Heavy-duty lockable fasteners support loads up to 330 lbs.



LS-TT Catenary Tensioning Tool Catenary Cable Tensioning Tool

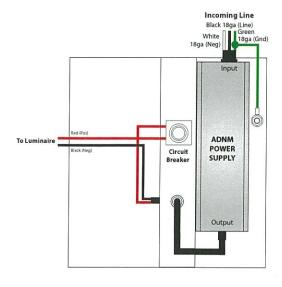
Lengths and Run Ordering Examples



Hiram Banks Lighting Design	Sebastopol Hotel	Project #: 184-17	TYPE
	LIGHTING FIXTURE CUTSHEET	Issue: 70% CD PER	L10
	The work contained in this document is the property of Hiram Banks I This includes, but is not limited to quantity, spacing, and type of light		



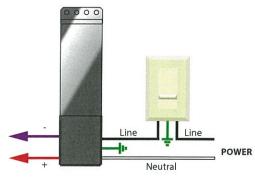
Power Supplies



NON DIMMING

CAT NO	PRIMARY	WATTAGE /		MAX RUN LENGTHS						
	AND SECONDARY	RY AMPS PER BREAKER	LED TYPE	6″ OC	12″ OC	18″ OC	24″ OC	DIMENSIONS	LISTING	
			SB	100'	150′	180'	200'	6 00/141X		
ADNM-60-1-5- 12-D	120-277V AC 12V DC	60W / 1X5A	но	60′	90'	110'	130'	6.00" W X 6.00" L X 4.00" D	NEMA3R/ UL listed	
			VHO	30'	45'	55'	60′			
	<u>120-277V AC</u> 12V DC			SB	2x100'	2x150'	2x180'	2x200'		
ADNM-150-2- 5-12-D		120W / 2X5A	но	2x60′	2x90'	2x110'	2x130'	12.00" W X 12.00" L X 4.25" D	NEMA3R/ UL listed	
			VHO	2x30′	2x45′	2x55′	2x60'			
			SB	3x100′	3x150′	3x180′	3x200′	- 12.00" W X 12.00" L X 4.25" D	NEMA3R/ UL listed	
ADNM-240-3- 5-12-D	120-277V AC 12V DC	180W / 3X5A	НО	3x60′	3x90'	3x110′	3x130′			
			vно	3x30'	3x45′	3x55′	3x60′			
ADNM-320-4-	120-277V AC		SB	4x100'	4x150'	4x180'	4x200'	12.00" W X 12.00" L X 4.25" D	NEMA3R/	
5-12-D	12V DC	240W / 4X5A	но	4x60'	4x90'	4x110'	4x130'		UL listed	



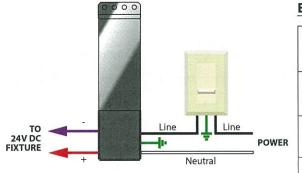


	PRIMARY	TOTAL WATTAGE /		МАХ	RUN LE				
CAT NO	AND SECONDARY	AMPS PER BREAKER	LED TYPE	6″ OC	12″ OC	18″ OC	24″ OC	DIMENSIONS	LISTING
			SB	100'	150'	180'	200'	4.25"W X 8.5"L X 3.25"D	
JT-60-1-5-12-D	120V AC 12V DC	60W / 1X5A	НО	60'	90'	110′	130'		NEMA3R, cETLus
			VHO	30′	45'	55'	60'	X 3.25 D	CETEUS
			SB	100'	150'	180'	200'		
JTH-60-1-5- 12-D	277V AC 12V DC	60W / 1X5A	НО	60'	90'	110'	130′	4.25"W X 8.5"L X 3.25"D	NEMA3R/ cETLus
12.0	12100		VHO	30'	45'	55'	60'	X 3.25 D	
100100100000			SB	4x100'	4x150'	4x180'	4x200'	8.5"W X 16"L X 4.5"D	
	120V AC 12V DC	240W/4X5A	но	4x60'	4x90'	4x110'	4x130'		NEMA3R, cETLus
	121 00		VHO	4x30'	4x45'	4x55'	4x60'	4.5 0	CETEUS
			SB	4x100'	4x150'	4x180'	4x200'	8.5"W X 16"L X 4.5"D	NEMA3R/ cETLus
JTH-240-4-5- 12-D	277V AC 12V DC	240W / 4X5A	но	4x60'	4x90'	4x110'	4x130'		
12-0	12000		VHO	4x30'	4x45'	4x55'	4x60'		
			SB	100'	150'	180'	200'		
EMEC601512	2 120V AC	60W/5A	НО	60'	90'	110'	130'	3.03"W X 14.3"L X 2.24"D	IP67/ cETLus
	121 DC		VHO	30′	45'	55'	60'	A 2.24 D	CETEUS
			SB	100'	150'	180'	200'		
EM- ML601512B	120V AC 12V DC	60W/5A	НО	60'	90'	110'	130'	3.93"W X 8.13"L X 1.59"D	NEMA3R/ cETLus
	12100	Ì	VHO	30'	45′	55'	60'	X 1.59°D	
			SB	100'	150'	180'	200'		
EMML- H601512B	277V AC 12V DC	60W/5A	НО	60'	90'	110'	130'	3.93"W X 8.13"L X 1.59"D	NEMA3R/ cETLus
1.5015120	12100		VHO	30'	45'	55'	60'	X 1.59 D	

SEP 1 3 2018

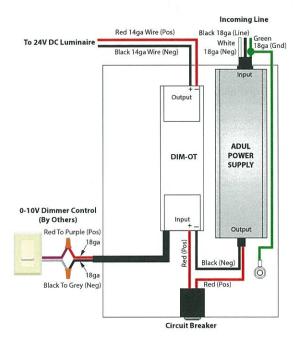
Copyright © 2017 Tiv	roli 09/06/17		www.tivolilighting.com tel: 714-957-6101	fax 714-427-3458
Hiram Banks	Sebastopol Hotel	Project #: 184-17	Date: 07/24/18	TYPE
Lighting Design	LIGHTING FIXTURE CUTSHEET	Issue: 70% CD PER	MIT SET	L10
	The work contained in this document is the property of Hiram Bank This includes, but is not limited to quantity, spacing, and type of lig		y manner without expressed written permission.	





ELV DIMMING

	PRIMARY	TOTAL WATTAGE /	MAX RUN LENGTHS					DIMENSIONS	
CATNO	AND SECONDARY	AMPS PER BREAKER	LED TYPE	6″ OC	12″ OC	18″ OC	24″ OC	DIMENSIONS	LISTING
			SB	100'	150'	180'	200'		
EMEC601512 120V AC 12V DC	60W / 5A	но	60′	90′	110′	130′	3.03"W X 14.3"L X 2.24"D	cETLus	
	12102		VHO	30′	45'	55'	60'		
			SB	100'	150'	180'	200'	3.93"W X 8.13"L X 1.59"D	cETLus
EM- ML601512B	120V AC 12V DC	60W/5A	но	60'	90′	110′	130′		
MEGOTOTED	12100		VHO	30'	45'	55'	60'	1.57 0	
EMML- <u>277V AC</u> H601512B 12V DC			SB	100'	150'	180'	200'	3.93"W X 8.13"L X 1.59"D	
		60W/5A	но	60'	90'	110′	130′		cETLus
	120 DC		VHO	30'	45'	55'	60'		



0-10V DIMMING

	PRIMARY	TOTAL WATTAGE /		MAX F	RUN LEM				
CATNO	AND SECONDARY	AMPS PER BREAKER	LED TYPE	6″ OC	12″ OC	18″ OC	24″ OC	DIMENSIONS	LISTING
			SB	100'	150′	180′	200'		
ADNM-60-1- 5-12-DOT 12V DC	60W / 1X5A	но	60'	90'	110′	130'	6.00″ W X 6.00″ L X	NEMA3R/ UL listed	
			VHO	30′	45′	55'	60′	4.00" D	
		1 <u>20-277V AC</u> 12V DC 120W / 2X5A	SB	2x100'	2x150′	2x180′	2x200′	12.00″ W X 12.00″ L X 4.25″ D	NEMA3R/ UL listed
ADNM-150-			но	2x60'	2x90'	2x110'	2x130′		
1912001	12100		УНО	2x30'	2x45′	2x55'	2x60′		
			SB	3x100'	3x150'	3x180'	3x200'	12.00″ W X 12.00″ L X 4.25″ D	NEMA3R/ UL listed
ADNM-240- 3-5-12-DOT	120-277V AC	180W / 3X5A	но	3x60'	3x90′	3x110′	3x130ʻ		
5512001	127 DC		vно	3x30'	3x45′	3x55′	3x60′		
ADNM-320- 4-5-12-DOT			SB	4x100'	4x150'	4x180'	4x200'		
	120-277V AC	120-277V AC 12V DC 240W / 4X5A	но	4x60'	4x90'	4x110′	4x130′	12.00" W X 12.00" L X	NEMA3R/ UL listed
	120 DC		vно	4x30'	4x45'	4x55'	4x60'	4.25″ D	

Copyright © 201	7 Tivoli 09/06/17		www.tivolilighting.com tel: 714-957-610	1 fax: 714-427-3458
Hiram Banks	Sebastopol Hotel	Project #: 184-17	Date: 07/24/18	TYPE
Lighting Design	LIGHTING FIXTURE CUTSHEET	Issue: 70% CD PER	MIT SET	L10
	The work contained in this document is the property of Hiram Bank This includes, but is not limited to quantity, spacing, and type of lig		manner without expressed written permission.	



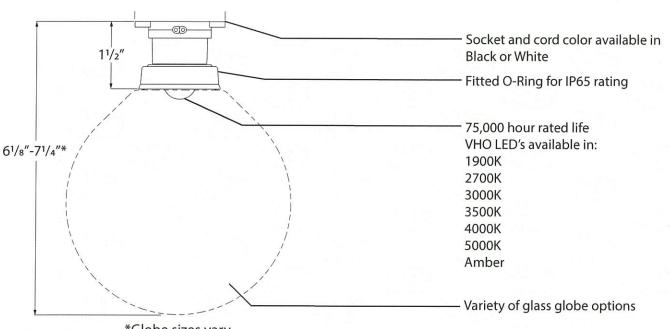


Hiram Banks	Sebastopol Hotel	Project #: 184-17	Date: 07/24/18	TYPE
Lighting Design	LIGHTING FIXTURE CUTSHEET	Issue: 70% CD PERI	MIT SET	L11
	The work contained in this document is the property of Hiram Bank This includes, but is not limited to quantity, spacing, and type of lig	s Lighting Design and may not be modified in any hting equipment.	manner without expressed written permission.	



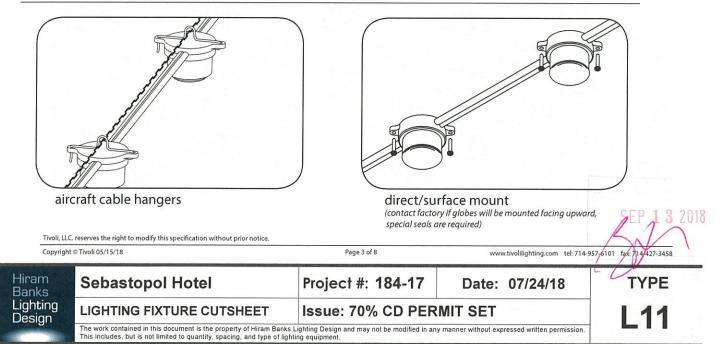


Features



Mounting

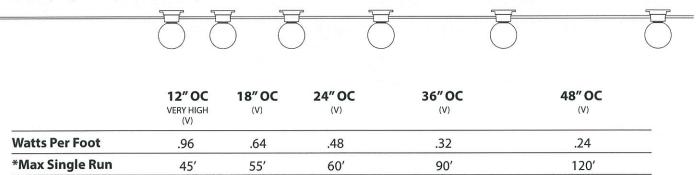
*Globe sizes vary



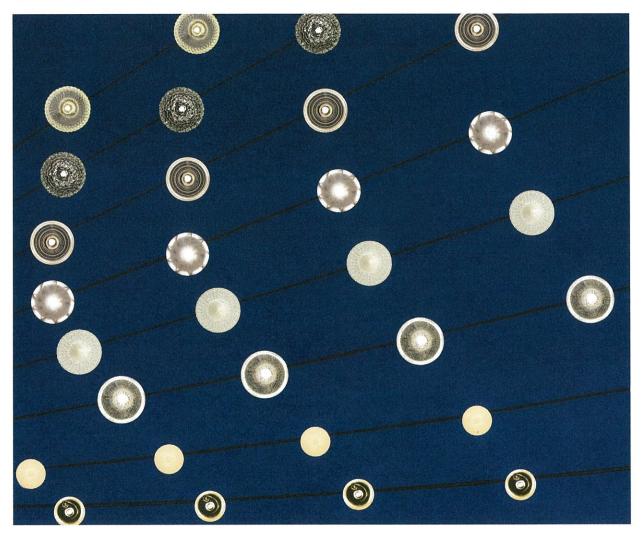


Standard Spacing Options

(custom spacing available, please consult factory)



*Max run lengths based on Tivolis reccomended lumen drop.



Tivoli, LLC. reserves the right to modify this specification without prior notice. Copyright © Tivoli 05/15/18

Page 4 of 8

www.tivolilighting.com tel: 714-957-6101 fax: 714-427-3458

Hiram Banks	Sebastopol Hotel	Project #: 184-17	Date: 07/24/18	TYPE
	LIGHTING FIXTURE CUTSHEET	Issue: 70% CD PER		L11
	The work contained in this document is the property of Hiram Banks This includes, but is not limited to quantity, spacing, and type of light		y manner without expressed written permission.	



1 B L D

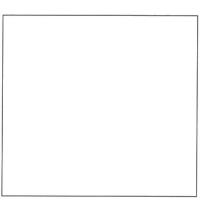
SPEC Litesphere Adapt



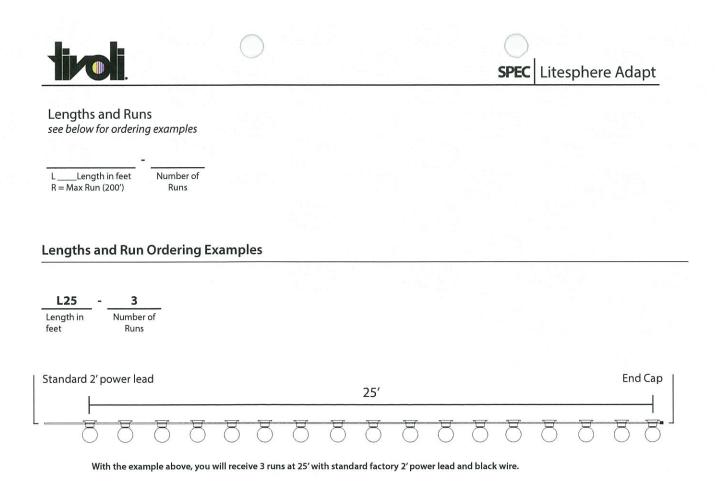
Project:	
----------	--

Type: _____ Length:

Notes:



Product		Wire	S	pacing		LED Type	(CCT		Globe	Voltage
LSA									-		- 12
Litesphere Adapt	В	Black	12	12″OC	v	Very High Output	19	1900K	ANA	Clear Glass Globe Style: Ana	12V DC
	w	White	18	18″OC			27	2700K	VIC	Clear Glass Globe Style: Victoria	
			24	24″OC			30	3000K	GAB	Opal Glass Globe Style: Gaby	
			36	36″OC			35	3500K	BRE	Bronze Glass Vintage Style: Brenda	
			48	48″OC			40	4000K	LAU	Opal Glass Vintage Style: Laura	
			custom : availabl contact :	e, please			50	5000K	GIN	Scratched Glass Globe Style: Gina	
							АМ	Amber	ANG	Striped Glass Globe Style: Angela	
									KAT	Frosted Glass Globe Style: Katie	
	oli man	ufacture	s Litesph	ere to you	ur spec	ified lengths			SUS	Clear Glass Globe Style: Susan	
(I) Inc	lividual le	ngths and		t be specif		ne of ordering			TON	Frosted Glass Globe Style: Toni	
									LUC	Clear Glass Globe Style: Lucia	SEP 1 3 201
	hs and	Runs dering ex	amples		Lea	d Wire Opt	ions (RE	QUIRE	D)		1 A
see pug	010101	uering ex	umpies		Stand	lard 2 foot lead	wire	lf ex	tra lead wire	is needed please add bel	ow part number
		-			LS	-EP -			LS-XE	P -	.0
	Length	n in	Quantity	-		B	Black	- +		B Black	Length in feet
L	_ feet Max Ri	ID	Quantity			w	White			W White	(18ft max)
R											
	Tivoli 05/15/		nis specificatio	n without prior r	iotice.	F	Page 5 of 8			www.tivolilighting.com tel: 714-9	957-6101 fax: 714-427-3458
Hiram Banks	Seba	stopo	l Hote	el		Projec	t #: 18	4-17	Date	e: 07/24/18	TYPE
Lighting Design				CUTSHE					MIT SE		L11
	The work co This include	ntained in thi s, but is not I	s document is mited to quant	the property of ity, spacing, an	Hiram Bank d type of lig	s Lighting Design a ghting equipment.	nd may not be	modified in an	ny manner withou	t expressed written permission.	



Mounting Accessories



LS-CABLE-60 Catenary Cable Kit - 60' LS-CABLE-110 Catenary Cable Kit - 110' LS-CABLE-500 Catenary Cable Kit - 500' (1/8th inch, includes 2 cables locks for use with loads up to 2001bs)



LS-LOCK-4 Cable Lock 1/8th Cable Cable Lock for 1/8th inch cable, Heavy-duty lockable fasteners support loads up to 330 lbs.



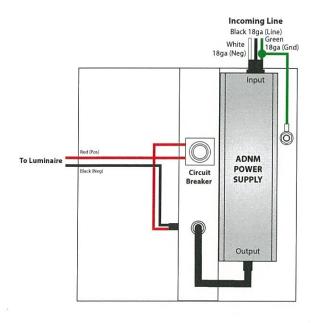
LS-TT Catenary Tensioning Tool Catenary Cable Tensioning Tool

Tivoli, LLC. reserves the right to modify this specification without prior notice.

Copyright © Tivoli 05/15/	/18	Page 6 of 8	www.tivolilighting.com tel: 714-957-6101 fax: 714	427-3458
Hiram Banks	Sebastopol Hotel	Project #: 184-17	Date: 07/24/18	TYPE
Lighting Design	LIGHTING FIXTURE CUTSHEET	Issue: 70% CD PER	MIT SET	11
Design	The work contained in this document is the property of Hiram Bank This includes, but is not limited to quantity, spacing, and type of lig		y manner without expressed written permission.	



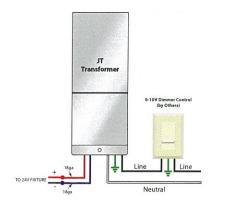
Power Supplies

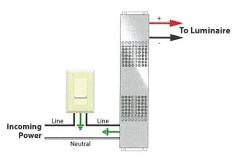


NON DIMMING

CAT NO	PRIMARY AND SECONDARY	TOTAL WATTAGE / AMPS PER BREAKER	DIMENSIONS	LIST- ING
ADUL-80-1-5- 12-D	<u>120-277V AC</u> 12V DC	60W/1X5A	10″W X 10″L X 4″D	UL/ETL/ CSA
ADUL-150-2-5- 12-D	<u>120-277V AC</u> 12V DC	120W / 2X5A	10"W X 10"L X 4"D	UL/ETL/ CSA
ADUL-240-3-5- 12-D	120-277V AC 12V DC	180W / 3X5A	10"W X 10"L X 4"D	UL/ETL/ CSA
ADUL-320-3-5- 12-D	120-277V AC 12V DC	240W / 4X5A	10"W X 10"L X 4"D	UL/ETL/ CSA

*max run lengths based on reccomended max wattage load





MLV DIMMING

CAT NO	PRIMARY AND SECONDARY	TOTAL WATTAGE / AMPS PER BREAKER	DIMENSIONS	LISTING
JT-60-1-5-12-D	120V AC 12V DC	60W / 1X5A	4.25"W X 8.5"L X 3.25"D	cETLus
JTH-60-1-5-12-D	277V AC 12V DC	60W / 1X5A	4.25"W X 8.5"L X 3.25"D	cETLus
JT-240-3-5-12-D	120V AC 12V DC	240W /4X5A	8.5"W X 16"L X 4.5"D	cETLus
JTH-240-3-5-12-D	277V AC 12V DC	240W / 4X5A	8.5"W X 16"L X 4.5"D	cETLus
EMEC601512	<u>120V AC</u> 12V DC	60W/5A	3.03"W X 14.3"L X 2.24"D	cETLus
EMML601512B	120V AC 12V DC	60W/5A	3.93"W X 8.13"L X 1.59"D	cETLus
EMMLH601512B	277V AC 12V DC	60W/5A	3.93"W X 8.13"L X 1.59"D	cETLus

*max run lengths based on reccomended max wattage load



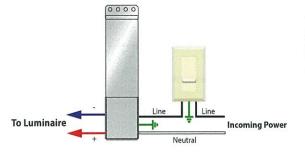
Tivoli, LLC. reserves the right to modify this specification without prior notice. Copyright © Tivoli 05/15/18

www.tivolilighting.com tel: 714-957-9101 fax: 714-427-3458

Hiram Banks Lighting Design	Sebastopol Hotel	Project #: 184-17	Date: 07/24/18	TYPE
	LIGHTING FIXTURE CUTSHEET	Issue: 70% CD PERMIT SET		1 11
	The work contained in this document is the property of Hiram Banks This includes, but is not limited to quantity, spacing, and type of light	Lighting Design and may not be modified in any ing equipment.	manner without expressed written permission.	les I I

Page 7 of 8

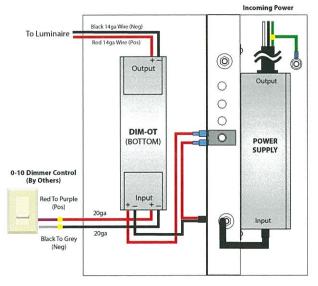




ELV DIMMING

CAT NO	PRIMARY AND SECONDARY	TOTAL WATTAGE / AMPS PER BREAKER	DIMENSIONS	LISTING
EMEC601512	<u>120V AC</u> 12V DC	60W/5A	3.03"W X 14.3"L X 2.24"D	cETLus
EMML601512B	<u>120V AC</u> 12V DC	60W/5A	3.93"W X 8.13"L X 1.59"D	cETLus
EMMLH601512B	277V AC 12V DC	60W/5A	3.93"W X 8.13"L X 1.59"D	cETLus

max run lengths based on reccomended max wattage load



0-10V DIMMING

CAT NO	PRIMARY AND SECONDARY	TOTAL WATTAGE / AMPS PER BREAKER	DIMENSIONS	LISTING
ADUL-80-1-5- 12-DOT	<u>120-277V AC</u> 12V DC	60W / 1X5A	10″W X 10″L X 4″D	UL/ETL/ CSA
ADUL-150-2- 5-12-DOT	<u>120-277V AC</u> 12V DC	120W / 2X5A	10"W X 10"L X 4"D	UL/ETL/ CSA
ADUL-240-3- 5-12-DOT	<u>120-277V AC</u> 12V DC	180W / 3X5A	10"W X 10"L X 4"D	UL/ETL/ CSA
ADUL-320-3- 5-12-DOT	120-277V AC 12V DC	240W / 4X5A	10"W X 10"L X 4"D	UL/ETL/ CSA

*max run lengths based on reccomended max wattage load

Tivoli, LLC. reserves the right to modify this specification without prior notice.

Copyright © Tivoli 05/15/18		Page 8 of 8 www.tivolilighting.com tel: 714-957-		5101 fax: 714-427-3458	
Hiram Banks Lighting Design	Sebastopol Hotel	Project #: 184-17	Date: 07/24/18	TYPE	
	LIGHTING FIXTURE CUTSHEET	Issue: 70% CD PERMIT SET		11	
	The work contained in this document is the property of Hiram Banks Lighting Design and may not be modified in any manner without expressed written permission. This includes, but is not limited to quantity, spacing, and type of lighting equipment.			Rea I I	

lucciola mario nanni 2008

collezione permanente triennale design museum milano



corpo illuminante per interni ed esterni IP67. realizzato con uno stelo in fibra di carbonio Ø5mm, ha la possibilità di essere fissato al terreno tramite picchetto in acciaio inox 316L o direttamente su base quadrata 140x140mm in ferro verniciato a polvere per esterni. dimensioni: h. 1000, 2000, 3000mm. cablata con sorgente led 3000K IW bianco. alimentatore in corrente costante escluso da installare remoto accessori: diffusore in vetro trasparente per un effetto di luce suggestivo, diffusore in elastomero trasparente particolarmente adatto agli ambienti esterni grazie alla sua resistenza termica e meccanica. finiture: bruno.

IP67-rated light fitting for indoor and outdoor use. made of a Ø5 mm carbon fibre rod, it can be fixed to the ground with a 316L stainless steel stake or directly to a 140x140mm powder painted iron square bas for outdoor use. sizes: height 1000/2000/3000 mm. wired with 3000K 1W white led source. constant current power supply unit not included,

constant current power supply unit not included, to be installed remotely. accessories: transparent glass diffuser for an evocative lighting effect, transparent elastomer diffuser particularly

suited for outdoor use thanks to its thermal and mechanical resistance. finish: brown.

Hiram Banks	Sebastopol Hotel	Project #: 184-17	Date: 07/24/18	TYPE
Lighting Design	LIGHTING FIXTURE CUTSHEET	Issue: 70% CD PERMIT SET		112
Sebign	The work contained in this document is the property of Hiram Ban This includes, but is not limited to quantity, spacing, and type of li		manner without expressed written permission.	

Hiram Banks Lighting Design • 461 Second Street, #659 • San Francisco, CA 94107 • 415 618 0855 tel • 415 618 0856 fax

SEP 1 3 2018



componenti	. components.	IP68	CE	1
A9.503.81	base nero notte night black base			



970 320 @

F9.009.02	picchetto per fissaggio terra		
	peg for ground fixing		

a la	118 2
	31

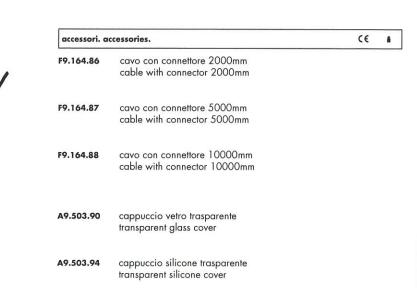
alimentate	ori. control gears. 240V 50-60Hz		CE	1
T4.411	alimentatore elettronico parete 1-12 led con connettore m8 3p electronic power supply unit 1-12 led with connector m8 3p	15W 350mA		

Hiram Banks	Sebastopol Hotel	Project #: 184-17	Date: 07/24/18	TYPE
Lighting Design	LIGHTING FIXTURE CUTSHEET	Issue: 70% CD PERMIT SET		112
	The work contained in this document is the property of Hiram Bank This includes, but is not limited to quantity, spacing, and type of lig			



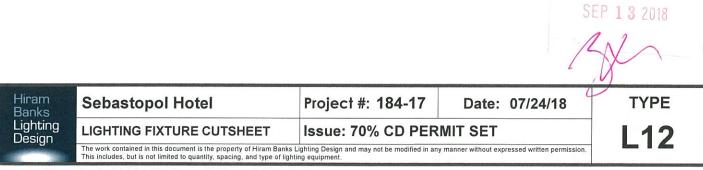
Ø22

4:0



Ċ	C
3	00

accessori. a	ccessories.	300/500/700mA	IP68	A	CE	ł
F9.250.70		connettore femmina m8 3 female connection m8 3				
F9.250.72		connettore m/f m8 3 pol f/m connection m8 3-pi				
F9.250.73		connettore m/f m8 3 pol f/m connection m8 3-pi				
F9.250.74		connettore m/f m8 3 poli f/m connection m8 3-pi				

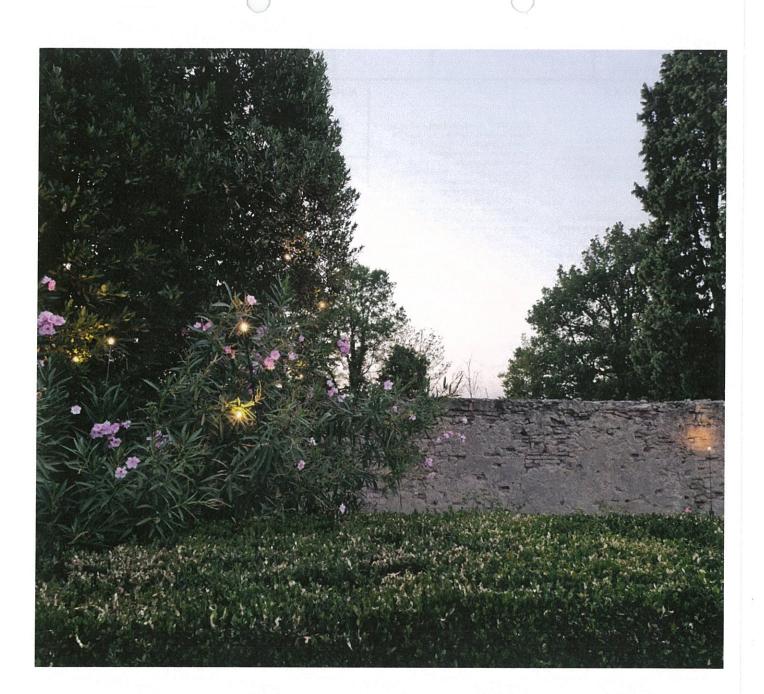


accessori. a	ccessories.	300/500/700mA 🗶	₩	IP68	A	CE	
F9.250.77	tappo ma male bypo	schio bypass per deriva ass plug for constant cu	zione corre prrent supp	ente cos ly	tante		
	è obbligato it is compul:	rio inserire F9.250.77 in tu sory to insert F9.250.77 in	utte le deriva all the not u	zioni no sed shur	n utilizz nts	zate	
F9.250.78	con 6 con constant c	ne corrente costante cc 3 nettori femmina urrent supply cc 350/50			Α		
	with 6 ferr	nale connection					

9 39

3¹, 11₆ 8:

Hiram Banks	Sebastopol Hotel	Project #: 184-17	Date: 07/24/18	TYPE
Lighting Design	LIGHTING FIXTURE CUTSHEET	Issue: 70% CD PER	112	
Leeign	The work contained in this document is the property of Hiram Banks This includes, but is not limited to quantity, spacing, and type of ligh	in i din		



Boolgin	The work contained in this document is the property of Hiram Ban	ks Lighting Design and may not be modified in any ighting equipment.	manner without expressed written permission.	
Lighting Design	LIGHTING FIXTURE CUTSHEET	Issue: 70% CD PERI	MIT SET	L12
Hiram Banks	Sebastopol Hotel	Project #: 184-17	Date: 07/24/18	TYPE
			SI	EP 1 3 2018

LUMINAIRE POLE COMBO

VIPER S+L

LUMINAIRE AND POLE

SPECIFICATIONS

SERIES

Intended Use:

The Beacon Viper luminaire is available in two sizes with a wide choice of different LED Wattage configurations and optical distributions designed to replace HID lighting up to 1000W MH or HPS, Luminaires are suitable for wet locations.

Cat.#

.loh

Construction:

- One piece optical cartridge system consisting of an LED engine, LED lamps, optics, gasket and stainless steel bezel.
- Cartridge is held together with internal brass standoffs soldered to the board so that it can be field replaced as a one piece optical system.
- Two-piece silicone and micro-cellular polyurethane foam gasket ensures a weather-proof seal around each individual LED.

LED/Optics:

- LED driver accepts 100V through 277V, 50 Hz to 60 Hz (UNV).
- Power factor is .92 at full load.
 All electrical components are rated at 50,000 hours at full load and 25°C ambient conditions per MIL- 217F Notice 2.
- Dimming drivers are standard.
- Component-to-component wiring within the luminaire may carry no more than 80% of rated load and is listed by UL for use at 600VAC at 50°C or higher.
- Plug disconnects are listed by UL for use at 600 VAC, 13A or higher. 13A rating applies to primary (AC) side only.

Electrical:

- Fixture electrical compartment shall contain all LED driver components and shall be provided with a push-button terminal block for AC power connections.
- Surge protection 20KA; shuts off at end of life.
- Lifeshield™ Circuit protects luminaire from excessive temperature by interfacing with the 0-10V dimmable drivers to reduce drive current as necessary. The factorypreset temperature limits are designed to ensure maximum hours of operation to assure L70 rated lumen maintenance. The device shall activate at a specific, factory-preset temperature, and progressively reduce power over a finite temperature range. A luminaire equipped with the device may be reliably operated in any ambient temperature up to

55°C (131°F). The thermal circuit will allow higher maximum Wattages than would be permissible on an unregulated luminaire (if some variation in light output is permissible), without risk of premature LED failure or lumen depreciation. Operation shall be smooth and undetectable to the eve Thermal circuit is designed to "fail on", allowing the luminaire to revert to full power in the event of an interruption of its power supply, or faulty wiring connection to the drivers. The device shall be able to co-exist with other 0-10V control devices (occupancy sensors, external dimmers, etc.). The device will effectively control the solder point temperature as needed; otherwise it will allow the other control device(s) to function unimpeded.

Туре

Installation:

- Mounting options for horizontal arm. Mounting hardware included.
- Product is suitable for applications requiring 3G testing prescribed by ANSI C136.31

Finish:

- Dark Bronze (textured) Beacote V polyester powder-coat electro-statically applied and thermocured.
- Beacote V finish consists of a five stage pretreatment regimen with a polymer primer sealer and top coated with a thermoset super TGIC polyester powder coat finish.
- The finish meets the AAMA 605.2 performance specification which includes passing a 3000 hour salt spray test for corrosion resistance and resists cracking or loss of adhesion per ASTM D522 and resists surface impacts of up to 160 inch-pounds.

Listings:

The luminaire shall be NRTL certified to UL 1598 and 8750 standards for use in wet locations.

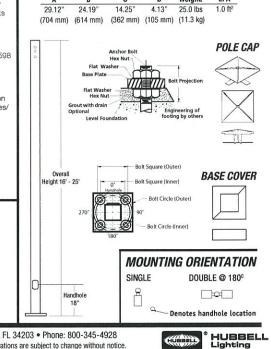
Warranty:

Five year limited warranty (for more information visit: http://www.hubbelllighting.com/resources/ warranty).

*SSS-B pole specifications continued on page 2.



vibration.





Beacon Products • 2041 58th Avenue Circle East Bradenton, FL 34203 • Phone: 800-345-4928 Due to our continued efforts to improve our products, product specifications are subject to change without notice. © 2015 BEACON PRODUCTS, All Rights Reserved • For more information visit our website: www.beaconproducts.com • Printed in USA VPS-SPEC 6/14

Hiram Banks Lighting Design	Sebastopol Hotel	Project #: 184-17	Date: 07/24/18	TYPE	
	LIGHTING FIXTURE CUTSHEET	Issue: 70% CD PERI	L13		
- Solig.					

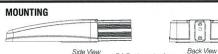
The work contained in this document is the property of Hiram Banks Lighting Design and may not be modified in any manner without expressed written permission. This includes, but is not limited to quantity, spacing, and type of lighting equipment.

Hiram Banks Lighting Design • 461 Second Street, #659 • San Francisco, CA 94107 • 415 618 0855 tel • 415 618 0856 fax



rectangular arm

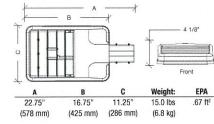
Approvals



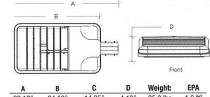
Side View RA Rectangular Arm Bac

BEACON









SSS-B POLE

APPLICATIONS

 Lighting installations for side mounting of luminaires with effective projected area (EPA) not exceeding maximum allowable loading of the specified pole in its installed geographic location

CONSTRUCTION

- SHAFT: One-piece straight steel with square cross section, flat sides and minimum 0.238" radius on all corners; Minimum yield of 46,000 psi (ASTM-A500, Grade B); Longitudinal weld seam to appear flush with shaft side wall; Steel base plate with axial bolt circle slots welded flush to pole shaft having minimum yield of 36,000 psi (ASTM A36) BASE COVER: Two-piece square aluminum base cover included standard .
- .
- POLE CAP: Pole shaft supplied with removable cover when applicable; Tenon and post-top configurations also available HAND HOLE: Rectangular 3x5 steel hand hole frame (2.38" x 4.38" opening); Mounting provisions for grounding lug located behind gasketed cover
- ANCHOR BOLTS: Four galvanized anchor bolts provided per pole with minimum yield of 55,000 psi (ASTM F1554). Galvanized hardware with two washers and two nuts per bolt for leveling

FINISH

- .
- Dark Bronze (textured) TGIC thermoset polyester powder coat paint finish with nominal 3.0 mil thickness Powder paint prime applied over "white metal" steel substrate cleaned via mechanical shot blast method Decorative finish coat available in seven standard colors; Custom colors available; RAL number preferable; Internal protective coating available

ORDERING INFORMATION

Ordering Logic* - All Configurations Dark Bronze Finish (textured)

PRODUCT		LUMENS		ED CCT	DIS	TRIBUTION		POLE	AN	ICHOR BOLTS
SERIES VS	9 12 15	9K Nominal (VPS-36NB-80) 12K Nominal (VPS-48NB-110) 15K Nominal (VPS-60NB-136)		4000K 5000K BLE HEAD		Туре 3 Туре 4		16' Square Straight Steel 20' Square Straight Steel	- LAB	200011101101
PRODUCT Series VL	20 29	LUMENS 20K Nominal (VPL-80NB-180) 29K Nominal (VPL-96NB-280)	 CONFIGURATION Single Head 2X Double Head 				S251	25' Square Straight Steel		Bolts/Template

*25 piece max order size for 10-day shipment.



ACCESSORIES - Order Separately

Catalog Number	Description	
TAB30M38	3/4" x 30" x 3" anchor bolt set (four individual bolts)	
93062959	SSS-B Series pole anchor bolt template	





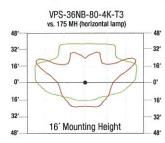
Beacon Products • 2041 58th Avenue Circle East Bradenton, FL 34203 • Phone: 800-345-4928 Due to our continued efforts to improve our products, product specifications are subject to change without notice. © 2015 BEACON PRODUCTS, All Rights Reserved • For more information visit our website: www.beaconproducts.com • Printed in USA VPS-SPEC 6/14

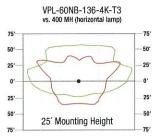




Hiram Banks	Sebastopol Hotel	Project #: 184-17	Date: 07/24/18	TYPE
Lighting Design	LIGHTING FIXTURE CUTSHEET	L13		
	The work contained in this document is the property of Hiram Banks This includes, but is not limited to quantity, spacing, and type of ligh			

PHOTOMETRICS





VPL-96NB-280-4K-T3 vs. 1000 MH (vertical lamp)

25' Mounting Height

75

50

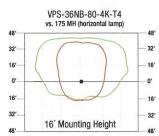
25'

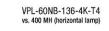
0

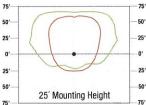
25'

50'

75







VPL-96NB-280-4K-T4

vs. 1000 MH (vertical lamp)

25' Mounting Height

75

50'

- 25

-0

25'

-50

-75

75

50'

25'

0'

25'

50'

75'

75

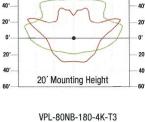
50 25

0'

25'

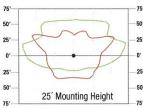
50'

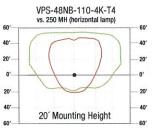
75



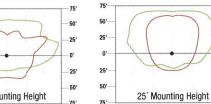
VPS-48NB-110-4K-T3 vs. 250 MH (horizontal lamp)

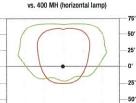
60





vs. 400 MH (horizontal lamp)





75

VPL-80NB-180-4K-T4

HID 0.5 Foot-candles LED 0.5 Foot-candles

BEACON

Beacon Products • 2041 58th Avenue Circle East Bradenton, FL 34203 • Phone: 800-345-4928 Due to our continued efforts to improve our products, product specifications are subject to change without notice. © 2015 BEACON PRODUCTS, All Rights Reserved • For more information visit our website: www.beaconproducts.com • Printed in USA VPS-SPEC 6/14

HUBBELL Lighting HUBBELL

Hiram Banks Lighting Design	Sebastopol Hotel	Project #: 184-17	Date: 07/24/18	TYPE
	LIGHTING FIXTURE CUTSHEET	L13		
	The work contained in this document is the property of Hiram Banks This includes, but is not limited to quantity, spacing, and type of light			

VIPER SMALL CONFIGURATIONS				5K (5000K nominal, 70 CRI)				4K (4000K nominal, 70 CRI)					
# LED'S	DRIVE CURRENT (MILLIAMPS)	SYSTEM WATTS	DISTRIBUTION TYPE	LUMENS	LPW'	в	U	G	LUMENS	LPW'	в	U	G
36	26 975 mA	875 mA 80W	T3	8870	99	2	0	2	8781	98	2	0	2
30	075 MA		T4	9036	102	1	0	3	8946	101	1	0	3
40	700 4	11011	T3	11220	101	2	0	3	11108	100	2	0	3
48	48 700 mA	110W	T4	12342	111	2	0	3	12219	110	2	0	3
	005 - 1		T3	14137	103	3	0	3	13996	102	3	0	3
60	625 mA	136W	T4	15511	113	2	0	4	15356	112	2	0	3

VIPER LARGE CONFIGURATIONS			5K (5000K nominal, 70 CRI)				4K (4000K nominal, 70 CRI)						
# LED'S	DRIVE CURRENT (MILLIAMPS)	SYSTEM WATTS	DISTRIBUTION TYPE	LUMENS	LPW	в	U	G	LUMENS	LPW'	в	U	G
80	700-20	700mA 180W	T3	18700	104	3	0	3	18513	103	3	0	3
80	700111A		T4	20571	114	3	0	4	20365	113	3	0	4
96 875 mA	280W	T3	26336	93	3	0	4	26073	92	3	0	4	
	AIII C 10	2000	T4	29128	102	3	0	5	28837	103	3	0	5

'Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown. Actual performance may differ as a result of end-user environment and application.

ELECTRICAL DATA - SMALL VIPER LUMINAIRE

# OF LEDS	NUMBER OF DRIVERS	DRIVE CURRENT (mA)	INPUT VOLTAGE (V)	SYSTEM POWER (w)	CURRENT (Amps)
			120		0.8
20	1	875 mA	277	00	0.3
36			347	90	0.3
			480		0.2
		700 1	120		0.9
40			277	011	0.4
48	, I .	700 mA	347	110	0.3
			480		0.2

PROJECTED LUMEN MAINTENANCE

AMBIENT TEMP.	0	25,000	50,000	'TM-21-11 60,000	100,000	Calculated L70 (HOURS)
25°C / 77°C	1.00	0.97	0.95	0.95	0.92	>470,000

¹ Projected per IESNA TM-21-11 Data references the extrapolated performance projections for the base model in a 40°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.

0.98 Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C

AMBIENT TEM	PERATURE	LUMEN MULTIPLIER
0°C	32°F	1.02
10°C	50°F	1.01
20°C	68°F	1.00
25°C	77°F	1.00
30°C	86°F	0.98

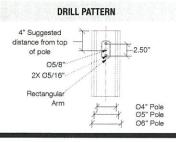
104°F

40°C

(32-104°F).

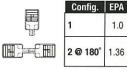
ELECTRICAL DATA - LARGE VIPER LUMINAIRE

# OF LEDS	NUMBER OF DRIVERS	DRIVE CURRENT (mA)	INPUT VOLTAGE (V)	SYSTEM POWER (w)	CURRENT (Amps)
60		700	120	100	1.1 0.5
	1	700	347 480	136	0.4
		875	120		2.3
96	2		277	280	1.0
	2	0/5	347	200	0.8
			480		0.6

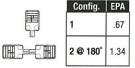


VIPER LARGE

EPA











Beacon Products • 2041 58th Avenue Circle East Bradenton, FL 34203 • Phone: 800-345-4928 Due to our continued efforts to improve our products, product specifications are subject to change without notice. © 2015 BEACON PRODUCTS, All Rights Reserved • For more information visit our website: www.beaconproducts.com • Printed in USA VPS-SPEC 6/14

HUBBELL Lighting HUBBELL

Hiram Banks Lighting Design	Sebastopol Hotel	Project #: 184-17	Date: 07/24/18	TYPE
	LIGHTING FIXTURE CUTSHEET	L13		
	The work contained in this document is the property of Hiram Bank This includes, but is not limited to quantity, spacing, and type of lig			

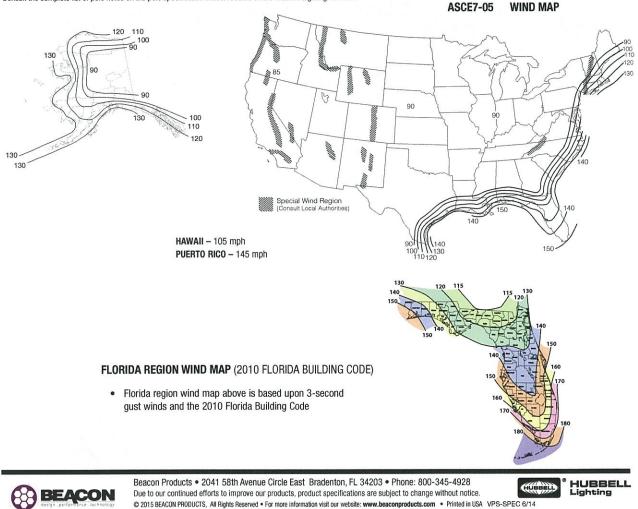
ASCE7-05 WIND MAP

FLORIDA REGION WIND MAP

							S	tandard	ASCE	7-05 W	ind Map													
	8	5 MPH Z	one		90 MPH	Zone		100 M	PH Zon	e	105 N	IPH Zon	e (HI)	1	10 MP	H Zone		120	MPH Z	one	1	45 MPH	Zone (F	PR)
Pole Height (4"Sq x 0.125" wall thickness)	16'	20'	25	' 16'	20	2	5' 16	6' 2	0'	25'	16'	20'	25'	16'	20)' 2	25'	16'	20'	25'	16'	2	0'	25'
Allowable EPAs (ft/sq)	19	12.7	7.3	3 16.	7 10.	9 5.	.9 1:	3 7	.9	3.8	11.5	6.9	2.9	7.9	4.	2 (D.8	7.9	4.2	0.8	4.1	1	.3	NR
Viper Sm - Single																								NR
Viper Sm - DBL @ 180												Sector 1								NR	1. 1	N	IR	NR
Viper Lg - Single																				NR				NR
Viper Lg - DBL @ 180																				NB		N	IR	NR
Pole Height (4"Sq x 0.125" wall thickness)	115 16'	MPH Zo	me 25'	120 16'	MPH Zo 20'		orida Re 130 16'	MPH Z			0 Buildin 10 MPH 2 20'			MPH Zo 20'	one 25'	160 16'	MPH 2 20'	Zone 25'	17 16'	0 MPH 20'	Zone 25'	18 16'	0 MPH Z 20'	Zone 2
Allowable EPAs (ft/sq)	20.8	13.6	7.4	18.7	11.9	6.2	15.2	9.2	4.1	12.3	7.1	2.5	10.1	5.3	1.1	8.2	3.9	NR	6.7	2.7	NR	5.4	1.7	N
Viper Sm - Single																	1.2	NR	Color		NR			N
Viper Sm - DBL @ 180															NR			NR			NR	10		N
Viper Lg - Single																		NR			NR			N
	And in case of the second second	200000000000000000000000000000000000000	81000		•										NR			NR	TA PLAN		NR	Contraction of	NR	N

different allowable EPAs. Consult your local authorities to determine which standard to use for your project

Notes: ¹ Pole used in program includes a vibration damper (VM2 style) due to low luminaire EPA and 25' mounting height. *Consult the complete list of pole notes on the pole specification sheets located on the Hubbell Lighting web site.



Hiram Banks	Sebastopol Hotel	Project #: 184-17	Date: 07/24/18	TYPE
Lighting Design	LIGHTING FIXTURE CUTSHEET	Issue: 70% CD PER	MIT SET	L13
	The work contained in this document is the property of Hiram Banks L This includes, but is not limited to quantity, spacing, and type of lighti		y manner without expressed written permission.	

LUMINAIRE POLE COMBO

VIPER S+L

LUMINAIRE AND POLE

SPECIFICATIONS Intended Use:

SERIES

The Beacon Viper luminaire is available in two sizes with a wide choice of different LED Wattage configurations and optical distributions designed to replace HID lighting up to 1000W MH or HPS. Luminaires are suitable for wet locations

Cat.#

Job

Construction:

- · One piece optical cartridge system consisting of an LED engine, LED lamps, optics, gasket and stainless steel bezel.
- Cartridge is held together with internal brass standoffs soldered to the board so that it can be field replaced as a one piece optical system.
- Two-piece silicone and micro-cellular polyurethane foam gasket ensures a weather-proof seal around each individual LED.

LED/Optics:

- LED driver accepts 100V through 277V, 50 Hz to 60 Hz (UNV).
- Power factor is .92 at full load. All electrical components are rated at 50,000 hours at full load and 25°C ambient conditions per MIL- 217F Notice 2.
- Dimming drivers are standard.
- · Component-to-component wiring within the luminaire may carry no more than 80% of rated load and is listed by UL for use at 600VAC at 50°C or higher.
- · Plug disconnects are listed by UL for use at 600 VAC, 13A or higher. 13A rating applies to primary (AC) side only.

Electrical:

- Fixture electrical compartment shall contain all LED driver components and shall be provided with a push-button terminal block for AC power connections.
- · Surge protection 20KA; shuts off at end of life
- Lifeshield[™] Circuit protects luminaire from excessive temperature by interfacing with the 0-10V dimmable drivers to reduce drive current as necessary. The factory-preset temperature limits are designed to ensure maximum hours of operation to assure L70 rated lumen maintenance. The device shall activate at a specific, factory-preset temperature, and progressively reduce power over a finite temperature range. A luminaire equipped with the device may be reliably operated in any ambient temperature up to

55°C (131°F). The thermal circuit will allow higher maximum Wattages than would be permissible on an unregulated luminaire (if some variation in light output is permissible), without risk of premature LED failure or lumen depreciation. Operation shall be smooth and undetectable to the eye. Thermal circuit is designed to "fail on", allowing the luminaire to revert to full power in the event of an interruption of its power supply, or faulty wiring connection to the drivers. The device shall be able to co-exist with other 0-10V control devices (occupancy sensors, external dimmers, etc.). The device will effectively control the solder point temperature as needed; otherwise it will allow the other control device(s) to function unimpeded.

Туре

Installation:

- · Mounting options for horizontal arm. Mounting hardware included.
- · Product is suitable for applications requiring 3G testing prescribed by ANSI C136.31

Finish:

- Dark Bronze (textured) Beacote V polyester powder-coat electro-statically applied and thermocured.
- Beacote V finish consists of a five stage pretreatment regimen with a polymer primer sealer and top coated with a thermoset super TGIC polyester powder coat finish.
- The finish meets the AAMA 605.2 performance specification which includes passing a 3000 hour salt spray test for corrosion resistance and resists cracking or loss of adhesion per ASTM D522 and resists surface impacts of up to 160 inch-pounds.

Listings:

The luminaire shall be NRTL certified to UL 1598 and 8750 standards for use in wet locations.

Warranty:

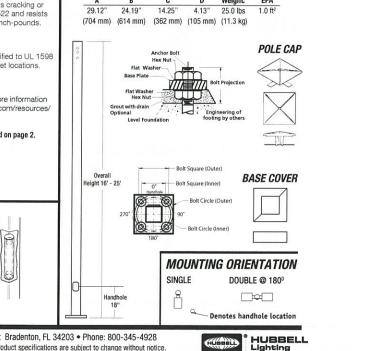
Five year limited warranty (for more information visit: http://www.hubbelllighting.com/resources/ warranty).

*SSS-B pole specifications continued on page 2.

Small Single Head Viper Configurations CERTIFICATIONS/LISTINGS paired with 25' poles include

VM2 - VIBRATION DAMPER 2ND MODE

Factory installed, internal damper designed to alter pole resonance to reduce movement and material fatigue caused by 2nd mode vibration.





Beacon Products • 2041 58th Avenue Circle East Bradenton, FL 34203 • Phone: 800-345-4928 Due to our continued efforts to improve our products, product specifications are subject to change without notice © 2015 BEACON PRODUCTS, All Rights Reserved • For more information visit our website: www.beaconproducts.com • Printed in USA VPS-SPEC 6/14

HUBBELL

ighting SEP 1 3 2018

> ~1 0

			-/-	$\Delta X > \Delta$
Hiram Banks	Sebastopol Hotel	Project #: 184-17	Date: 07/24/18	ТҮРЕ
Lighting Design	LIGHTING FIXTURE CUTSHEET	Issue: 70% CD PERI	WIT SET	113-2
J	The work contained in this document is the property of Hiram Ban This includes, but is not limited to quantity, spacing, and type of li		manner without expressed written permission.	

Hiram Banks Lighting Design • 461 Second Street, #659 • San Francisco, CA 94107 • 415 618 0855 tel • 415 618 0856 fax

PRODUCT IMAGE(S)

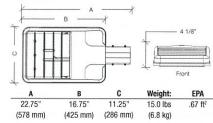
Approvals

rectangular arm

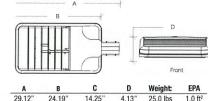




DIMENSIONS - SMALL







BEACON

SSS-B POLE

APPLICATIONS

Lighting installations for side mounting of luminaires with effective projected area (EPA) not exceeding maximum allowable loading of the specified . pole in its installed geographic location

CONSTRUCTION

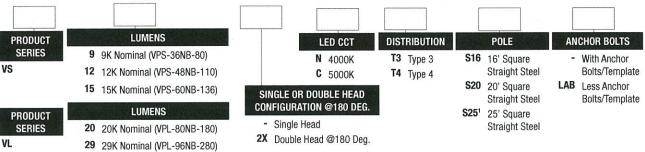
- SHAFT: One-piece straight steel with square cross section, flat sides and minimum 0.238" radius on all corners; Minimum yield of 46,000 psi (ASTM-A500, Grade B); Longitudinal weld seam to appear flush with shaft side wall; Steel base plate with axial bolt circle slots welded flush to pole shaft having minimum yield of 36,000 psi (ASTM A36) BASE COVER: Two-piece square aluminum base cover included standard POLE CAP: Pole shaft supplied with removable cover when applicable; Tenon and post-top configurations also available HAND HOLE: Rectangular 3x5 steel hand hole frame (2.38" x 4.38" opening); Mounting provisions for grounding lug located behind gasketed .
- .
- cover
- ANCHOR BOLTS: Four galvanized anchor bolts provided per pole with minimum yield of 55,000 psi (ASTM F1554). Galvanized hardware with two washers and two nuts per bolt for leveling

FINISH

- Dark Bronze (textured) TGIC thermoset polyester powder coat paint finish with nominal 3.0 mil thickness Powder paint prime applied over "white metal" steel substrate cleaned via mechanical shot blast method Decorative finish coat available in seven standard colors; Custom colors available; RAL number preferable;
- Internal protective coating available

ORDERING INFORMATION

Ordering Logic* - All Configurations Dark Bronze Finish (textured)



*25 piece max order size for 10-day shipment.



ACCESSORIES - Order Separately

Catalog Number	Description	
TAB30M38	3/4" x 30" x 3" anchor bolt set (four individual bolts)	
93062959	SSS-B Series pole anchor bolt template	

¹ Select configurations include a vibration damper. Refer to the Pronto Combo wind loading table for details.

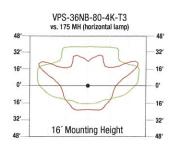


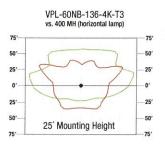
Beacon Products • 2041 58th Avenue Circle East Bradenton, FL 34203 • Phone: 800-345-4928 Due to our continued efforts to improve our products, product specifications are subject to change without notice. © 2015 BEACON PRODUCTS, All Rights Reserved • For more information visit our website: www.beaconproducts.com • Printed in USA VPS-SPEC 6/14

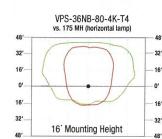
HUBBELL HUB ghting

Hiram Banks	Sebastopol Hotel	Project #: 184-17	Date: 07/24/18	TYPE
Lighting Design	LIGHTING FIXTURE CUTSHEET	Issue: 70% CD PER	MIT SET	13-2
Beolgn	The work contained in this document is the property of Hiram Bani This includes, but is not limited to quantity, spacing, and type of li		y manner without expressed written permission.	

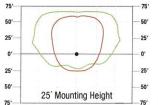
PHOTOMETRICS

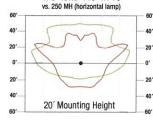




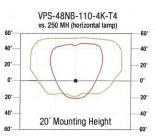


VPL-60NB-136-4K-T4 vs. 400 MH (horizontal lamp)

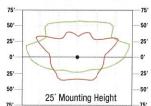




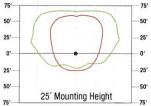
VPS-48NB-110-4K-T3



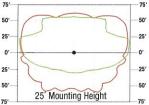




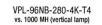


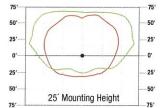






BEACON









Hiram Banks	Sebastopol Hotel	Project #: 184-17	Date: 07/24/18	TYPE
Lighting Design	LIGHTING FIXTURE CUTSHEET	Issue: 70% CD PER	MIT SET	L13-2
	The work contained in this document is the property of Hiram Banks This includes, but is not limited to quantity, spacing, and type of ligh	Lighting Design and may not be modified in an ting equipment.	y manner without expressed written permission.	

PERFORMANCE DATA

VIPER SMALL CONFIGURATIONS				(5000K	5K nominal,	4K (4000K nominal, 70 CRI)							
# LED'S	DRIVE CURRENT (MILLIAMPS)	SYSTEM WATTS	DISTRIBUTION TYPE	LUMENS	LPW ¹	в	U	G	LUMENS	LPW'	в	U	G
00	075 4	00W	T3	8870	99	2	0	2	8781	98	2	0	2
36	875 mA	80W	T4	9036	102	1	0	3	8946	101	1	0	3
40	700 - 1	11011	T3	11220	101	2	0	3	11108	100	2	0	3
48	700 mA	110W	T4	12342	111	2	0	3	12219	110	2	0	3
		10011	T3	14137	103	3	0	3	13996	102	3	0	3
60	625 mA	136W	T4	15511	113	2	0	4	15356	112	2	0	3

VIPER LARGE CONFIGURATIONS				5K (5000K nominal, 70 CRI)					4K (4000K nominal, 70 CRI)				
# LED'S	DRIVE CURRENT (MILLIAMPS)	SYSTEM WATTS	DISTRIBUTION TYPE	LUMENS	LPW ¹	В	U	G	LUMENS	LPW ¹	в	U	G
	7001	10011/	T3	18700	104	3	0	3	18513	103	3	0	3
80	700mA	180W	T4	20571	114	3	0	4	20365	113	3	0	4
00	075	00011/	T3	26336	93	3	0	4	26073	92	3	0	4
96	875 mA	280W	T4	29128	102	3	0	5	28837	103	3	0	5

'Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown. Actual performance may differ as a result of end-user environment and application.

ELECTRICAL DATA - SMALL VIPER LUMINAIRE

# OF LEDS	NUMBER OF DRIVERS	DRIVE CURRENT (mA)	INPUT VOLTAGE (V)	SYSTEM POWER (w)	CURRENT (Amps)
			120		0.8
		075	277	00	0.3
36	1	875 mA	347	90	0.3
			480		0.2
			120		0.9
40		700	277	110	0.4
48	1	700 mA	347	110	0.3
			480		0.2

ELECTRICAL	DATA -	LARGE	VIPER	LUMINAIRE

# OF LEDS	NUMBER OF DRIVERS	DRIVE CURRENT (mA)	INPUT VOLTAGE (V)	SYSTEM POWER (w)	CURRENT (Amps)
			120		1.1
60	1	700	277	136	0.5
			480		0.3
			120		2.3
96	2	875	277	280	1.0
90	2	0/5	347	200	0.8
			480		0.6

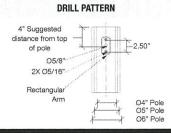
PROJECTED LUMEN MAINTENANCE

AMBIENT TEMP.	0	25,000	50,000	'TM-21-11 60,000	100,000	Calculated L70 (HOURS)
25°C / 77°C	1.00	0.97	0.95	0.95	0.92	>470,000

¹ Projected per IESNA TM-21-11 Data references the extrapolated performance projections for the base model in a 40°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.

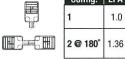
AMBIENT TEM	PERATURE	LUMEN MULTIPLIER
0°C	32°F	1.02
10°C	50°F	1.01
20°C	68°F	1.00
25°C	77°F	1.00
30°C	86°F	0.98
40°C	104°F	0.98

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

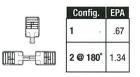


EPA VIPER LARGE

Config. | EPA



VIPER SMALL





Beacon Products • 2041 58th Avenue Circle East Bradenton, FL 34203 • Phone: 800-345-4928 Due to our continued efforts to improve our products, product specifications are subject to change without notice. © 2015 BEACON PRODUCTS, All Rights Reserved • For more information visit our website: www.beaconproducts.com • Printed in USA VPS-SPEC 6/14

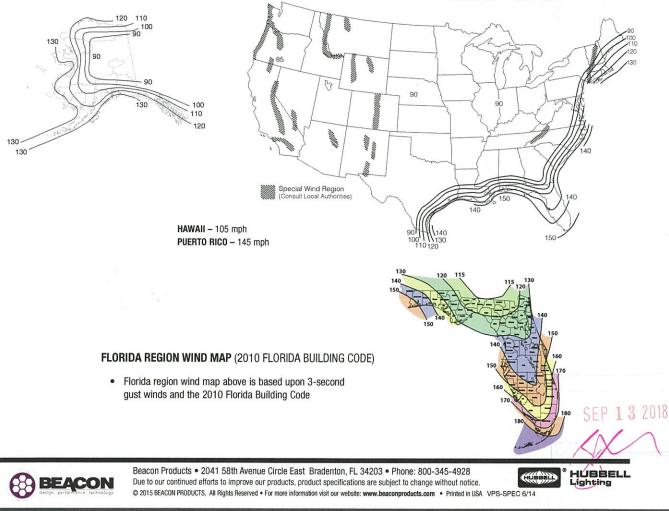
* HUBBELL Lighting

Hiram Banks	Sebastopol Hotel	Project #: 184-17	Date: 07/24/18	TYPE
Lighting Design	LIGHTING FIXTURE CUTSHEET	Issue: 70% CD PER	MIT SET	113-2
Beeigh	The work contained in this document is the property of Hiram Bank This includes, but is not limited to quantity, spacing, and type of lig		y manner without expressed written permission.	

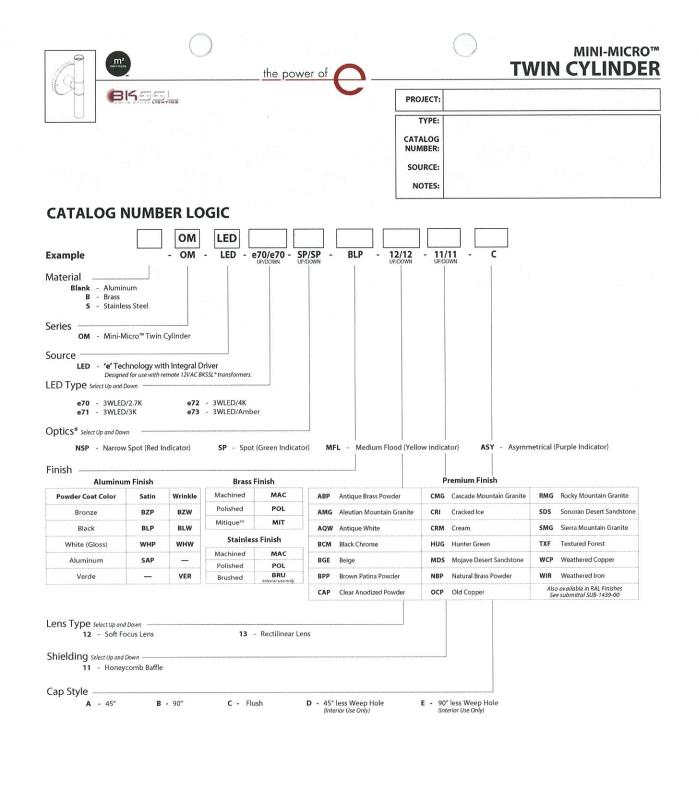
ASCE7-05 WIND MAP

FLORIDA REGION WIND MAP

							:	Standa	rd ASC	E7-05 W	find Map	J											-	NIS .
	8	35 MPH 2	Zone		90 MPI	I Zone		100 1	MPH Zo	one	105 1	MPH Zon	ne (HI)		110 M	PH Zone		12	O MPH 2	lone		45 MPI	I Zone (PR)
Pole Height (4"Sq x 0.125" wall thickness)	16'	20'	25	5' 16	20)' Z	25' 1	6'	20'	25'	16'	20'	25'	16'	2	:0'	25'	16'	20'	25'	16'	1	:0'	25'
Allowable EPAs (ft/sq)	19	12.7	7.	3 16.	7 10	.9 5	j.9 1	13	7.9	3.8	11.5	6.9	2.9	7.9	4	.2	0.8	7.9	4.2	0.8	4.1	1	.3	NR
Viper Sm - Single																								NR
Viper Sm - DBL @ 180																		No.		NR		1	IR	NR
Viper Lg - Single												E Ma								NR				NR
Viper Lg - DBL @ 180	120																	is the		NR		1	IR	NR
				1000	1.530	F	lorida R	enion	Nind M	lan (201	0 Ruildi	ng Code)	1	1000				No.	ALC: NO	101 CAR		-		Real Providence
	115	MPH Zo	one	12) MPH Zo			MPH	-		IO MPH 2			MPH Z	one	16	D MPH	Zone	17	'O MPH	Zone	18	0 MPH 2	Zone
Pole Height (4"Sq x 0.125" wall thickness)	16'	20'	25'	16'	20'	25'	16'	20'	25'	16'	20'	25'	16'	20'	25'	16'	20'	25'	16'	20'	25'	16'	20'	25'
Allowable EPAs (ft/sq)	20.8	13.6	7.4	18.7	11.9	6.2	15.2	9.2	4.1	12.3	7.1	2.5	10.1	5.3	1.1	8.2	3.9	NR	6.7	2.7	NR	5.4	1.7	NR
Viper Sm - Single																		NR			NR			NR
Viper Sm - DBL @ 180					It's										NR			NR			NR			NR
Viper Lg - Single																		NR	LS.		NR			NR
Viper Lg - DBL @ 180				114											NR			NR	1150		NR		NR	NR
Florida Building Code utilizes a different different allowable EPAs. Consult your lo use for your project								n		I	Acceptat	ble			Inclu	des Vib	ration	Damper	1		Not	Recomm	nended	
Notes: ¹ Pole used in program includes a Consult the complete list of pole notes													t.			A	SCE	7-05	W	/IND	MAP			

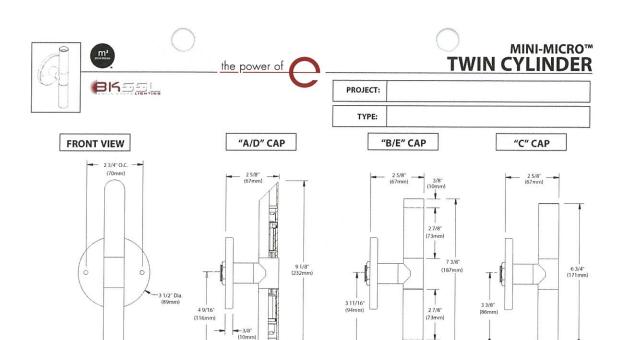


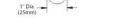
Hiram Banks	Sebastopol Hotel	Project #: 184-17	Date: 07/24/18	TYPE
Lighting Design	LIGHTING FIXTURE CUTSHEET	Issue: 70% CD PER	MIT SET	L13-2
	The work contained in this document is the property of Hiram Banks This includes, but is not limited to quantity, spacing, and type of ligh		y manner without expressed written permission.	



	B-K LIGHTING	40429 Brickyard Drive • Made 559.438.5800 • FAX 5 www.bklighting.com • info	59.438.5900	RELEASED 01-04-18	DRAWING NUMBER SUB000970
	S DOCUMENT CONTAINS PROPRIETARY INFORMATION OF B-K LIGHTING, INC. AND ITS R CRIBE. REPRODUCTION, DISCLOSURE OR USE WITHOUT SPECIFIC WRITTEN AUTHORIZATIC		o Reproduce, disclose its con	TENTS, OR TO MANUFACTUR	RE, USE OR SELL ANYTHING IT MAY
Hiram Banks	Sebastopol Hotel	Project #: 184-17	Date: 07	/24/18	TYPE
Lighting Design	LIGHTING FIXTURE CUTSHEET	Issue: 70% CD PER	MIT SET		L14
	The work contained in this document is the property of Hiram Banks This includes, but is not limited to quantity, spacing, and type of ligh		y manner without expressed	written permission.	

Hiram Banks Lighting Design • 461 Second Street, #659 • San Francisco, CA 94107 • 415 618 0855 tel • 415 618 0856 fax





Remote options:

SPECIFICATIONS

requirements.

Materials

Lens

Accessories (Configure separately)



TR Series UPMRM*

GreenSource Initiative™ Metal and packaging components are made from recycled

materials. Manufactured using renewable solar energy, produced on site. Returnable to manufacturer at end of life to ensure cradle-to-cradle handling. Packaging contains

qualify for GreenSource efficacy and recycling rebate(s). Consult www.bklighting.com/greensource for program

Furnished in Copper-Free Aluminum (Type 6061-T6), Brass (Type 360) or Stainless Steel (Type 304).

Body Fully machined from solid billet. Unibody design provides

enclosed, water-proof wireway and integral heat sink for maximum component life. High temperature, silicone 'O' Ring provides water-tight seal.

Fully machined. Accommodates [1] lens or louver media.

Choose from 45° cutoff ('A' or 'D'), 38' deep bezel with 90° cutoff ('B' or 'E'), or flush lens ('C') cap styles. 'A' and 'B' caps include weep-hole for water and debris drainage. 'D' and

'E' caps exclude weep-hole and are for interior use only.

BKSSL[®] Integrated solid state system with 'e' technology. High power, forward throw source complies with ANSI (78.37 binning requirements. Exceeds ENERGY STAR[®] lumen maintenance requirements. LM-80 certified components.

Integral non-dimming driver. Minimum 50,000 hour rated life at 70% of initial lumens (L70). BKSSL technology provides long life, significant energy reduction and exceptional thermal management.

 $\begin{array}{l} \textbf{Optics} \\ \text{OPTINIT}^{\text{\tiny{TD}}} \mbox{ modules are color-coded for easy reference:} \\ \text{Narrow Spot} (\text{NSP}) = \text{Red, Spot} (\text{SP}) = \text{Green}. \mbox{ Medium Flood} \\ (\text{MFL}) = \text{Yellow and Asymmetrical (ASY)} = \text{Purple}. \end{array}$

Installation

3-1/2" dia., machined canopy permits mounting to 3" octagonal junction box or 4" junction box with mud ring (by others)

Remote Transformer For use with 12VAC 데너도들들도 remote transformer or magnetic transformers only. B-K Lighting cannot guarantee performance with third party manufacturers' transformers

Wiring Teflon[®] coated, 18AWG, 600V, 250° C rated and certified to UL 1659 standard.



1 3/8"

Tamper-resistant, stainless steel hardware. Canopy mounting screws are additionally black oxide treated for additional corrosion resistance.

All dimensions indicated on this submittal are nominal Contact Technical Sales if you require more stringent specifications

CANOPY DETAIL

3/8"

(10mm)

3 1/2" Dia

(89mm)

2 3/4" O.C (70mm)

C

Finish

StarGuard®, our exclusive RoHs compliant, 15 stage chromate-free process cleans and conversion coats aluminum components prior to application of Class 'A' TGIC polyester powder coating. Brass components are available in powder coat or handcrafted metal finish. Stainless steel components are available in handcrafted metal finish. (Brushed finish for interior use only).

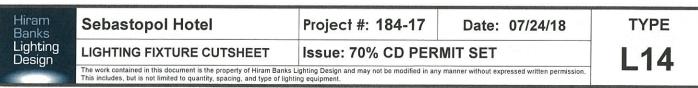
Warranty 5 year limited warranty.

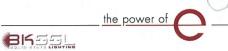
Certification and Listing ITL tested to IESNA LM-79. UL Listed. Certified to CAN/CSA/ ANSI Standards. RoHs compliant. Suitable for indoor or outdoor use. Suitable for use in wet locations. IP66 Rated. Made in USA

🕲 = RoHS 🕸 🎆

"Teflon is a registered trademark of DuPont Corporation. "Energy Star is a registered trademark of the United States Environmental Detemption Agency







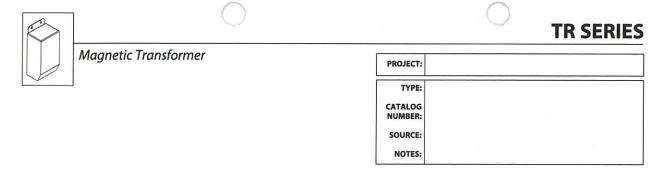
LAMP & DKIVER DATA e70, e71, e72, e73

DRIVER	Input Volts	InRush Current	Operating	Dimmable	Operation Ambient Temperature
DATA	12VAC/DC 50/60Hz	<250mA (non-dimmed)	500mA	Magnetic Low Voltage Dimmer	-22°F-194°F (-30°C - 90°C)

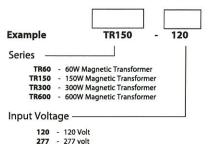
	LN	179 DAT	A	L70 DATA	0	PTICAL DA	ATA
BK No.	ССТ (Тур.)	CRI (Typ.)	Input Watts (Typ.)	Minimum Rated Life (hrs.) 70% of initial lumens (L ₇₀)	Angle	СВСР	Delivered Lumens
	2700K	80	3	50,000	17°	1347	167
	2700K	80	3	50,000	21°	664	139
e70	2700K	80	3	50,000	28°	524	149
	2700K	~	3	50,000	17°x31°	613	151
	3000K	80	3	50,000	17°	1411	175
	3000K	80	3	50,000	21°	695	146
e71	3000K	80	3	50,000	28°	548	156
	3000K	~	3	50,000	17°x31°	642	158
	4000K	80	3	50,000	17°	1585	197
-	4000K	80	3	50,000	21°	781	164
e72	4000K	80	3	50,000	28°	616	175
	4000K	~	3	50,000	17°x31°	721	178
e73	Amber (590nm)	~	3	50,000	~	2	~

OPTIC	S
Optic	Angle
NSP - Narrow Spot	17°
SP - Spot	21°
MFL - Medium Flood	28°
ASY - Asymmetrical	17°x31°

B-K	LIGHTING	559,438.5	Drive • Madera, CA 93636 • USA 3800 • FAX 559.438.5900 g.com • info@bklighting.com	RELEASED 05-23-2017	DRAWING NUMBER SUB-2582-00	
Hiram Banks	Sebastopol Hotel		Project #: 184-17	Date:	07/24/18	TYPE
Lighting Design	LIGHTING FIXTURE CU	TSHEET	Issue: 70% CD PE	RMIT SET		L14
Ecolgri	The work contained in this document is the p This includes, but is not limited to quantity, s			any manner without ex	pressed written permission.	

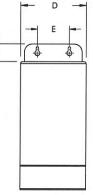


CATALOG NUMBER LOGIC



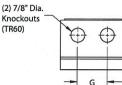
н

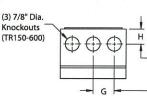
1



F

DIMENSIONS





TRANSFORMER DATA

All dimensions indicated on this submittal are nominal. Contact Technical Sales If you require more stringent specific nt specification Input Max. Circuit Height Depth Series Voltage Weight Load Breaker С D F н B Ε G A 120V **TR60** 60W 8A 3.7 lbs 7-1/2 2-15/16" 3" 3-7/64 1-1/2' 1-1/16' 1-1/2" 3/4" 120V TR150 150W 25A 6 lbs. 8' 3-3/32' 4-3/32" 5-1/2 4-1/8 1-1/8' 1-5/16" 15/16" TR300 120V 300W 7.13 lbs. 25A 8' 3-3/32" 4-3/32 5-1/2" 4-1/8 1-1/8 1-5/16" 15/16" 120V TR600 600W 25A 14.9 lbs. 9-13/32' 4-3/32" 4-19/32 5-3/4" 4-5/8 1-1/16 1-1/2" 1-1/4 **TR60** 277V 60W 84 3.7 lbs. 7-1/2 2-15/16' 3" 3-7/64 1-1/2' 1-1/16 1-1/2" 3/4" TR150 277V 150W 25A 6 lbs. 8" 3-3/32" 4-3/32 4-1/8" 5-1/2 1-1/8" 1-5/16 15/16" TR300 277V 300W 25A 7.13 lbs. 8" 3-3/32" 4-3/32" 5-1/2" 4-1/8" 1-1/8" 1-5/16" 15/16" TR600 277V 600W 25A 14.9 lbs. 9-13/32" 4-3/32" 4-19/32" 5-3/4" 4-5/8 1-1/16" 1-1/2 1 - 1/4

SPECIFICATIONS

Housing

Stainless steel, NEMA Outdoor 3R rated enclosure. [2] (TR60) or [3] (TR150-600) bottom entry 7/8" knockouts provide access to wiring compartment. Riveted, hinged cover opens vertically from bottom to top for service access.

Transformer

Fully encapsulated, Class B insulated, low voltage magnetic transformer. 120VAC or 277VAC input. 12VAC output (fully loaded). 0.6A (120VAC) or 0.3A (277VAC) maximum no load input current. Manual thermal reset. Secondary circuit

For use with halogen and 문요가요. Fully dimmable utilizing magnetic low voltage dimmers. Consult fixture specification for dimming capability.

Output Wiring See B-K Lighting Low Voltage Design Guide on reverse.

Warranty Limited five year warranty. Certification and Listings Nema Type 3R Enclosure. Suitable for indoor and outdoor use. UL Listed to ANSI/UL Standard 1012. c(H) us

SEP 1 3 2018 breaker. Enclosure temperature <65° C when fully loaded (in 40° C ambient). 40429 Brickyard Drive • Madera, CA 93636 • USA 559.438.5800 • FAX 559.438.5900 www.bklighting.com • info@bklighting.com SUBMITTAL DATE SUBMITTAL NUMBER IGHT B-K 7-30-13 TR-SERIES THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF B-K LIGHTING, INC. AND ITS RECEIPT OR POSSESSION DOES NOT CONVEY ANY RIGHTS TO REPRODUCE, DISCLOSE ITS CONTENTS, OR TO MANUFACTURE, USE OR SELL ANYTHING IT MAY DESCRIBE. REPRODUCTION, DISCLOSURE OR USE WITHOUT SPECIFIC WRITTEN AUTHORIZATION OF B-K LIGHTING, INC. IS STRICTLY FORBIDDEN.

Hiram Banks	Sebastopol Hotel	Project #: 184-17	Date: 07/24/18	TYPE
Lighting Design	LIGHTING FIXTURE CUTSHEET	Issue: 70% CD PER	MIT SET	L14
	The work contained in this document is the property of Hiram Bank This includes, but is not limited to quantity, spacing, and type of lig	s Lighting Design and may not be modified in an hting equipment.	y manner without expressed written permission.	

Low Voltage Guide

Many B-K LIGHTING fixtures operate on 12 volts. Taking advantage of these energy-saving fixtures requires appropriate care in planning the electrical wiring system. To maintain expected lamp performance, we recommend the following procedures in sizing your low-voltage wiring system.

SIZING OF LOW VOLTAGE WIRING

- 1. Locate and plot fixtures on plan. Choose the lighting equipment necessary to create the desired lighting effects. Mark lamp wattage for each fixture location.
- Identify potential transformer locations. The ideal locations are those which provide for the shortest possible low voltage distances (inconspicuous areas, behind rocks, shrubbery, etc., within the landscape). UPM, Power Pipe ™, Power Pipe II™, or, if available, transformers integral in the fixture are good ways to hide the transformer and reduce voltage drop problems.
- Add the total wattage for the proposed low voltage run. Measure the wire lengths from the transformer to the fixture locations. Find the distance to the "CENTER OF LOAD" of the low voltage run.

CENTER		Distance from first to last fixture		Distance from transformer	
OF LOAD	=	(2) Two	+	to first fixture	

4. Using the B-K LIGHTING Wire Selection Table, select the wattage column which applies. Look down the column stopping at a distance, in feet, that is equal or greater than the "CENTER OF LOAD" distance. Look across to find the proper wire size for your layout.

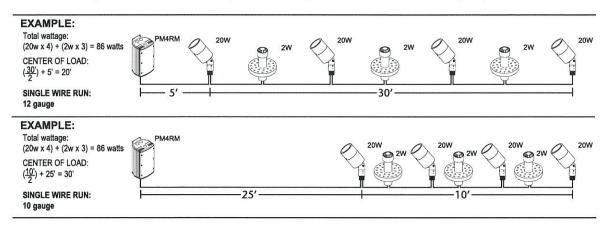
Note: In the event of multiple runs from a given transformer, treat each run separately.

	TOTAL WATTAGE															
12	20	24	35	40	50	60	70	80	100	105	120	140	150	160	200	250
178	106	89	60	53	42	35	30	26	21	20	17	15	13	-		_
283	169	141	96	85	67	56	48	42	33	32	28	24	22	19	17	13
450	269	225	154	135	107	90	77	67	54	51	45	38	36	31	27	21
715	428	357	245	214	171	143	122	107	85	81	71	61	57	49	42	34
	178 283 450	178106283169450269	17810689283169141450269225	178 106 89 60 283 169 141 96 450 269 225 154	178 106 89 60 53 283 169 141 96 85 450 269 225 154 135	178 106 89 60 53 42 283 169 141 96 85 67 450 269 225 154 135 107	178 106 89 60 53 42 35 283 169 141 96 85 67 56 450 269 225 154 135 107 90	178 106 89 60 53 42 35 30 283 169 141 96 85 67 56 48 450 269 225 154 135 107 90 77	178 106 89 60 53 42 35 30 26 283 169 141 96 85 67 56 48 42 450 269 225 154 135 107 90 77 67	178 106 89 60 53 42 35 30 26 21 283 169 141 96 85 67 56 48 42 33 450 269 225 154 135 107 90 77 67 54	178 106 89 60 53 42 35 30 26 21 20 283 169 141 96 85 67 56 48 42 33 32 450 269 225 154 135 107 90 77 67 54 51	178 106 89 60 53 42 35 30 26 21 20 17 283 169 141 96 85 67 56 48 42 33 32 28 450 269 225 154 135 107 90 77 67 54 51 45	178 106 89 60 53 42 35 30 26 21 20 17 15 283 169 141 96 85 67 56 48 42 33 32 28 24 450 269 225 154 135 107 90 77 67 54 51 45 38	178 106 89 60 53 42 35 30 26 21 20 17 15 13 283 169 141 96 85 67 56 48 42 33 32 28 24 22 450 269 225 154 135 107 90 77 67 54 51 45 38 36	178 106 89 60 53 42 35 30 26 21 20 17 15 13 283 169 141 96 85 67 56 48 42 33 32 28 24 22 19 450 269 225 154 135 107 90 77 67 54 51 45 38 36 31	178 106 89 60 53 42 35 30 26 21 20 17 15 13 283 169 141 96 85 67 56 48 42 33 32 28 24 22 19 17 450 269 225 154 135 107 90 77 67 54 51 45 38 36 31 27

12-VOLT WIRE SELECTION TABLE

The Wire Selection Table provided is based on a maximum allowable voltage drop of 5%. Electrical designs which allow greater than 5% voltage drop, reduce rated light output beyond acceptable levels.

The importance of the proper wire selection is demonstrated below. Both examples have the same total watts and identical overall lengths of wire run, yet require different wire sizes, or multiple wire runs, to operate within the 5% maximum voltage drop B-K LIGHTING criteria.



TRANSFORMERS

For areas which are far reaching from fixtures, running 120 volt power to each fixture location with individual transformers, such as TRSS75 or TRSS150, provides an excellent economic solution to voltage drop. These transformers can also be specified in the UPM, Power Pipe™, and Power Pipe II[™] transformer housings.

Note: Installations should be in accordance with the National Electric Code and applicable local codes.

B-K LIGHTING

Hiram Banks	Sebastopol Hotel	Project #: 184-17	Date: 07/24/18	TYPE
Lighting Design	LIGHTING FIXTURE CUTSHEET	Issue: 70% CD PER	MIT SET	114
Design	The work contained in this document is the property of Hiram Banl This includes, but is not limited to quantity, spacing, and type of li		y manner without expressed written permission.	



Type:

Project:

Modified:

Quantity:

Notes:

DISCLAIMER - When using a control system, consult dimming system manufacturer with minimum load before installing 12V AC transformer. Malfunction and damage to product due to improper dimming system installation or misuse will not be covered under warranty. Only DC Drivers are recommended for dimming systems. Consult MP Lighting for recommended drivers.

*MP Lighting reserves the right, at its sole discretion, at any time and without notice, to make design changes to any of our products.

Order Guide

Example: L360-L05-8-W27H-S-S-HB-C-D-P-0-MA Code Wattage CRI Beam Reflector Color **Reflector Color** Accessory Lens Option Input Voltage Flange height Finish Base Height L360-L05 -8 = 8W W27 = 2700K H = 90+CRI S = spot (12°) S = silver specular ELB2 = eggcrate C = clear $\mathbf{D} = \mathbf{DC}$ P = paving stone 0 = no baseMA = matte clear N = narrow flood B = black specular louver, black 2flange/ box, 6-1/2" 2 = 2" (51mm) anodized BA = black anodized F = frosted A = 12V AC(30°) HD = Halogen dim (2800~1900K) (165mm) **6** = 6" BZ = bronze anodized S6 = stainless steel 316 (152mm) ABZ = antique bronze All technical information in this document is subject to change. Copyright @ MP Lighting www.mplighting.com t1.877.708.1184 f604.708.1185 05-Hiram Sebastopol Hotel Project #: 184-17 YPE Date: 07/24/18 Banks Lighting Issue: 70% CD PERMIT SET LIGHTING FIXTURE CUTSHEET Design

The work contained in this document is the property of Hiram Banks Lighting Design and may not be modified in any manner without expressed written permission. This includes, but is not limited to quantity, spacing, and type of lighting equipment.

Hiram Banks Lighting Design • 461 Second Street, #659 • San Francisco, CA 94107 • 415 618 0855 tel • 415 618 0856 fax



Exterior/interior directional in-grade light for lighting walls.

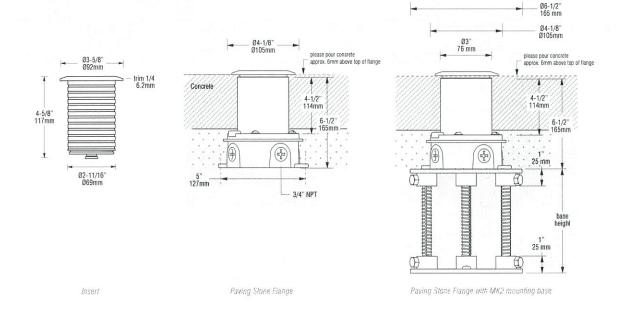
L360-L05

Application

Аррисанон	columns, architectural features or landscape features. Applicable for mounting into floors, walls, ceilings or other surfaces where a non-obtrusive luminaire is required. Suitable for drive-over and walk-over applications. For dry / wet locations.
IP Rating	66
Mounting	Comes with splice box, aluminum flange and level gauge. Can be buried in earth/gravel or cast into concrete/paving stone with or without mounting base. Can be mounted with MK1 and MK2 (consult with factory).
Electrical	8.0 Watts *See website for recommended drivers *Remote emergency driver / inverter options available. Consult factory.
Power	8 Watts
Consumption	
Light Output	8.0 Watt, 247~275Im *For photometric data, see page 03
Reflector Cone	Aluminium
Field Angle	Without accessory 35° With Hex Louver 38° *For drawing see page 02
Cut Off Angle	Without accessory 73° With Hex Louver 71° *For drawing, see page 02
Warranty	5 years limited warranty Estimated useful life of LED is 50,000 hours.
Material	Solid anodized aluminum, bronze or stainless steel (316) with 1/4" (6mm) thick tempered glass lens, suitable for walk-over and drive-over applications. RoHS compliant.
Drive Over Rating	4400kg/9700lbs
Weight	2.56lbs (1.16kg) (base extra).
Approval c	∰® C €

[▶] MPLIGHTING®

DIMENSION:



LIGHT DISTRIBUTION:

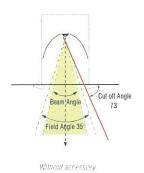
8Watt

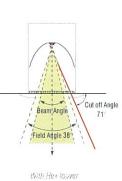


12° (Spot Beam). Clear lens. Matte clear anodized



30° (Narrow Flood Beam), Clear lens, Matte clear anodized





All technical information in this document is subject to change. Copyright © MP Lighting.

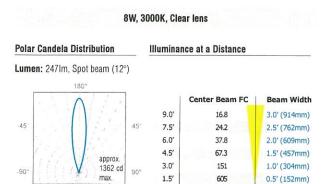
www.mplighting.com t 1.877.708.1184 f 604.708.1185

05-2018

Hiram Banks	Sebastopol Hotel	Project #: 184-17	Date: 07/24/18	TYPE
Lighting Design		MIT SET	L15	
	The work contained in this document is the property of Hiram Banks This includes, but is not limited to quantity, spacing, and type of ligh		y manner without expressed written permission.	



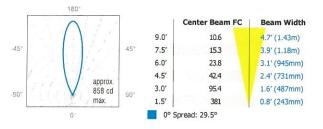
PHOTOMETRIC DATA:

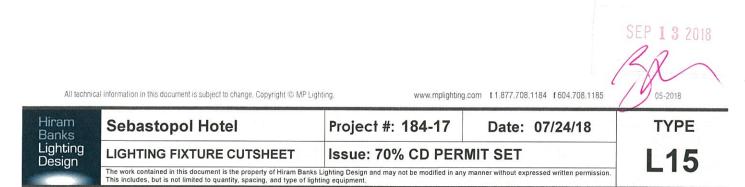


0° Spread: 19.2°

Lumen: 275Im, Narrow flood beam (30°)

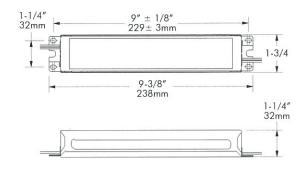
0



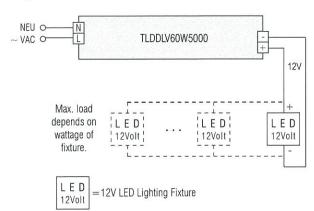




Dimension:



Wiring:



TLDDLV60W5000

Features:

- UL Class 2 - Multiple voltage from 120 to 277volts

- Tight regulated output (1% line, 5%load) to mazimize LED performance

AC Input Voltage	120~277V, 50/60Hz
DC Output Voltage	12V Constant
DC Output Current	0.1 5.00A Max
Output Wattage	60W Max
Power Factor	0.90min
Short Circuit Protection	Yes
Overload Protection	Yes
Over-voltage Protection	Yes
Dimming Function	With TLC010i Dimming Controller (sold separately)
Total Harmonic Distortion	20% Max
Operating Temperature	-40~ 60°C (-40 ~ 176°F)
Case Temperture	90°C (194°F)
Case Material	Steel
Weight	635g (1.40lb)
Approval	CSA, UL, IP66



* Consult factory for wiring length and details.

Order Code	Enclosure
TLDDLV60W5000	В
1 L	B = drive enclosure (10-1/4" x 5-1/4" x 2-3/4")

Type:

Project:

Modified:

Quantity:

Notes:

[▶] MPLIGHTING[®]

www.mplighting.com t1.877.708.1184 f604.708.1185

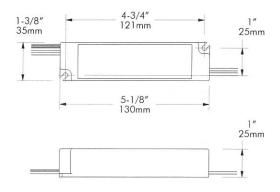
All technical information in this document is subject to change. Copyright $\ensuremath{\mathbb{C}}$ MP Lighting.

08-2017

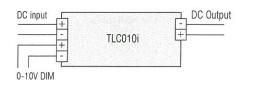
Hiram Banks	Sebastopol Hotel	Project #: 184-17	Date: 07/24/18	TYPE
Lighting Design	LIGHTING FIXTURE CUTSHEET	Issue: 70% CD PER	MIT SET	L15
Lecoign	The work contained in this document is the property of Hiram Bank This includes, but is not limited to quantity, spacing, and type of lig		y manner without expressed written permission.	



Dimension:



Wiring:



TLC010i

Features:

- UL Class 2

- Pulse Width Modulation (PWM) Dimming - UL Outdoor Dampl location rated, IP66. Fully potted for moisture resistance.

DC Output Voltage	12V ~ 24VDC	
DC Output Current	12V ~ 24VDC	
Typical Efficiency	98% Min	
Short Circuit Protection	Yes	
Overload Protection	Yes	
Dimming Control	0-10V	
Operating Temperature	-40~ 60°C (-40 ~ 140°F)	
Case Temperature	90°C (194°F)	
Total Harmonic Distortion	20% Max	
Relative Humidity	80% Max	
Case Material	Non-conductive White Plastic	
Weight	136g (0.30lb)	
Approval	UL, IP66	

c AL'us (SP®



* Consult factory for wiring length and details.

Enclosure
В
$\mathbf{B} = \text{drive enclosure}$

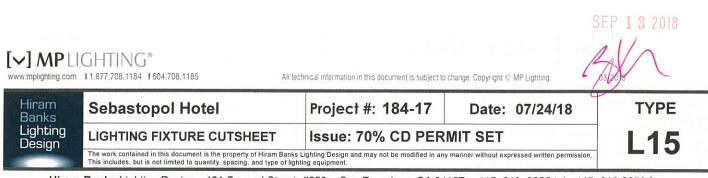
Type:

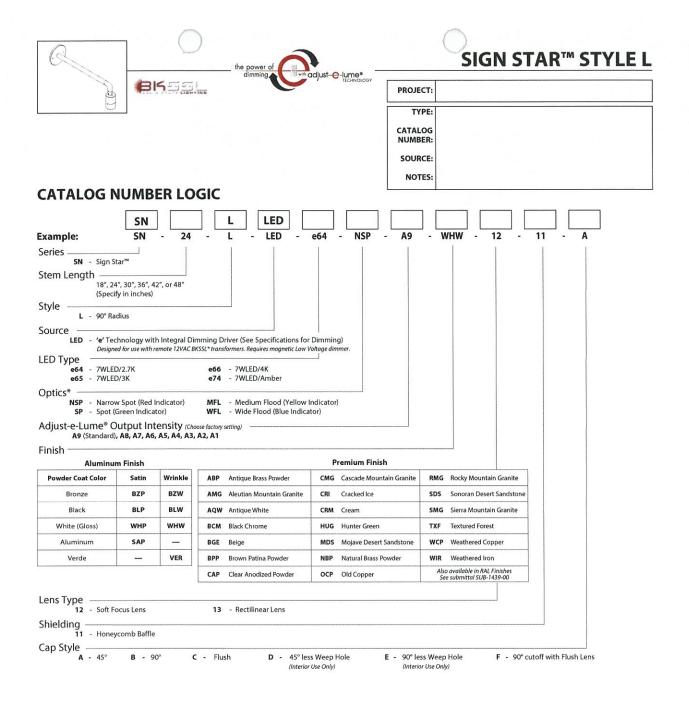
Project:

Modified:

Quantity:

Notes:





	B-K LIGHTIN THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF B-K LIGHTING, INC. DESCRIBE, REPRODUCTION, DISCLOSURE OR USE WITHOUT SPECIFIC WRITTEN AU	AND ITS RECEIPT OR POSSESSION DOES NOT CONVEY ANY RIG	info@bklighting.com	05-17-17 TENTS, OR TO MANUFACTUR	SUB-2273-00	
ram nks	Sebastopol Hotel	Project #: 184-17	Date: 7/2	24/18	TYPE	(Second

B-KIIGHTING

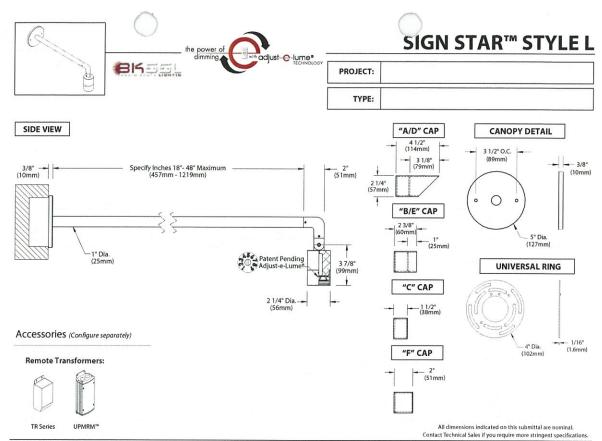
Hir: Bar 40429 Brickyard Drive • Madera, CA 93636 • USA 559.438.5800 • FAX 559.438.5900

Lighting Design LIGHTING FIXTURE CUTSHEET Issue: 70% CD PERMIT SET F39

Hiram Banks Lighting Design • 461 Second Street, #659 • San Francisco, CA 94107 • 415 618 0855 tel • 415 618 0856 fax

DRAWING NUMBER

RELEASED



SPECIFICATIONS

GreenSource Initiative™

Metal and packaging components are made from recycled materials. Manufactured using renewable solar energy, produced on site. Returnable to manufacturer at end of life to ensure cradle-to-cradle handling. Packaging contains no chlorofluorocarbons (CFC's). Use of this product may qualify for GreenSource efficacy and recycling rebate(s). Consult www.bklighting.com/greensource for program requirements.

Materials

Furnished in Copper-Free Aluminum (Type 6061-T6).

Style 'L' Style provides clean, 90° transition from fixture to stem.

Body

Fully machined from solid billet. Unibody design provides enclosed, water-proof wireway and integral heat sink for maximum component life. Integral knuckle for maximum mechanical strength. High temperature, silicone 'O' Ring provides water-tight seal.

Knuckle

The LOCK[™] (Locking 'O' Ring Compression Knuckle) is comprised of two components. The first is integral to the body and features an interior, machined taper. The second is machined from solid billet and features a second, reverse angle taper. The resultant mechanical taper-lock allows a full 180° vertical adjustment without the use of servated teeth, which inherently limit aiming. High temperature, silicone 'O' Ring provides water-tight seal and compressive resistance to maintain fixture position. Design withstands 73 lb. static load prior to movement to ensure decades of optical alignment. Biaxial source control with 360° horizontal rotation in addition to vertical adjustment.

Cap

Fully machined. Accommodates [1] lens or louver media. Choose from 45° cutoff ('A' or 'D'), 1" deep bezel with 90° cutoff ('B' or 'E'), flush lens ('C') cap styles, or 1" deep cutoff with flush mounted lens ('F'). 'A' and 'B' caps include weepweep-hole and are for interior use only.

This includes, but is not limited to quantity, spacing, and type of lighting equipment

Stem Fully machined, 1" dia. with internal threads for maximum visual appeal. Available in configurable lengths to 48" maximum overall

Lens

Shock resistant, tempered, glass lens is factory adhered to fixture cap and provides hermetically sealed optical compartment. Specify soft focus (#12) or rectilinear (#13) lens.

BKSSL®

Integrated solid state system with 'e' technology is scalable for field upgrade. Modular design with electrical guick disconnects permit field maintenance. High power, forward throw source complies with ANSI C78.377 binning requirements. Exceeds ENERGY STAR* lumen maintenance requirements. LM-80 certified components.

Integral, constant current driver, 12VAC/VDC input 50/60Hz. Proprietary input control scheme achieves power factor correction and eliminates inrush current. Output, over-voltage, open-circuit, and short circuit protected. Inrush current limited to <250mA (non-dimming). Conforms to Safety Std. C22.2 No. 250.13-12.

Dimming Line voltage dimmable via magnetic low voltage dimmer. For use with low voltage dimmer with dedicated neutral conductor. For purposes of dimming: Remote magnetic transformer with BKSSL* Power of 'e' technology loads should be loaded to 25% of the transformer VA (watts) rated value.

Optics

Interchangeable OPTIKIT[™] modules permit field changes National geadle of this influence permit field changes to optical distribution. Color-coded for easy reference: Narrow Spot (NSP) = Red. Spot (SP) = Green. Medium Flood (MFL) = Yellow. Wide Flood (WFL) = Blue.

Adjust-e-Lume® (Pat. Pending)

Integral electronics allows dynamic lumen response at the individual fixture. Indexed (100% to 25% nom.)

Installation

5" dia., machined canopy permits mounting to 4" octagonal junction box. Junction box installation must be designed to hold full fulcrum weight of fixture (junction box and gasket by others).

Remote transformer For use with 12VAC 대답답답 remote transformer or magnetic transformers only. B-K Lighting cannot guarantee performance with third party manufacturers' transformers

Wiring

PVC coated, 18AWG, 150V, 60°C rated and certified to UL 1838 standard.

Hardware

Tamper-resistant, stainless steel hardware. LOCK™ aiming screw and canopy mounting screws are additionally black oxide treated for additional corrosion resistance.

Finish

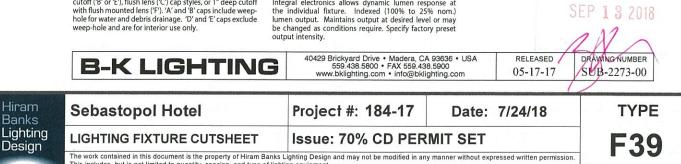
StarGuard®, our exclusive RoHs compliant, 15 stage chromate-free process cleans and conversion coats aluminum components prior to application of Class 'A' TGIC polyester powder coating.

Warranty 5 year limited warranty.

Certification and Listing ITL tested to IESNA LM-79. UL Listed. Certified to CAN/ CSA/ANSI Standards. RoHs compliant. Suitable for indoor or outdoor use. Suitable for use in wet locations. IP 66 Rated, Made in USA



"Energy Star is a registered trademark of the United States Environmental Protection Agency



LAMP & DRIVER DATA



e64, e65, e66, e74

DRIVER	Input Volts	InRush Current	Operating	Dimmable	Operation Ambient Temperature
DATA	12VAC/DC 50/60Hz	<250mA (non-dimmed)	700mA	Magnetic Low Voltage Dimmer	-22°F-194°F (-30°C - 90°C)

	LN	179 DAT	A	L70 DATA	0	PTICAL D	. DATA	
BK No.	ССТ (Тур.)	CRI (Typ.)	Input Watts (Typ.)	Minimum Rated Life (hrs.) 70% of initial lumens (L ₇₀)	Angle	СВСР	Delivered Lumens	
	2700K	80	7	50,000	13°	5993	456	
	2700K	80	7	50,000	16°	4546	445	
еб4	2700K	80	7	50,000	23°	1726	397	
	2700K	80	7	50,000	31°	1131	399	
	3000K	80	7	50,000	13°	6131	466	
	3000K	80	7	50,000	16°	4650	455	
e65	3000K	80	7	50,000	23	1766	406	
	3000K	80	7	50,000	31°	1157	409	
	4000K	80	7	50,000	13°	6889	524	
	4000K	80	7	50,000	16°	5225	511	
e66	4000K	80	7	50,000	23°	1984	456	
	4000K	80	7	50,000	31°	1300	459	
e74	Amber (590nm)	~	7	50,000	~	~	~	

OPTICS		
Optic	Angle	
NSP - Narrow Spot	13°	
SP - Spot	16°	
MFL - Medium Flood	23°	
WFL - Wide Flood	31°	

E	B-K LIGHTING	LIGHTING 40429 Brickyard Drive • Madera, CA 93636 • USA 559,438,5900 • FAX 559,438,5900 www.bklighting.com RELEASED DRAWIN 05-23-2017 DRAWIN SUB-2				
Hiram Banks	Sebastopol Hotel	Project #: 184-17	Da	ate: 7/24/18	3	TYPE
Lighting Design	LIGHTING FIXTURE CUTSHEET	Issue: 70% CD PER				F39
	The work contained in this document is the property of Hiram Ba					

TECHNOLOGY

-lun-e

NARROW SPOT: 13°

adjust.C

ARROW S	POT: 13°	b		Footcandles	
Distance	AP	Beam Dia.	e64 2700K	e65 3000K	e66 4000K
4'	1	1'	375	384	431
8'		2'	94	96	108
12'	$- \square$	3'	42	43	48
16'	\rightarrow	4'	23	24	27
20'		5'	15	15	17

If using No. 11 Honeycomb Baffle, multiply footcandle values by .80.

POT : 15°			Footcandles	
Distance	Beam Dia.	e64 2700K	e65 3000K	e66 4000K
4'	1'	284	291	327
8'	2'	71	73	82
12'	3'	32	32	36
16'	4'	18	18	20
20'	5'	11	12	13

If using No. 11 Honeycomb Baffle, multiply footcandle values by .80.

EDIUM FL	OOD : 23	0		Footcandles		
Distance	<u>,</u>	Beam Dia.	e64 2700K	e65 3000K		
4'	A	2'	108	110	e66 40000K 124 31 14 8	
8'	4	3'	27	28	31	
12'		5'	12	12	14	
16'	$ \longrightarrow $	7'	7	7	8	
20'		8'	4	4	5	

If using No. 11 Honeycomb Baffle, multiply footcandie values by .80.

DE FLOO	D:31°	ŧ		Footcandles		
Distance	AD	Beam Dia.	e64 2700K	e65 3000K	e66 4000K	
4'	_A	2'	71	72	81	
8'		4'	18	18	20	
12'		7'	8	8	9	
16'		9'	4	5	5	
20'		11'	3	3	3	

If using No. 11 Honeycomb Baffle, multiply footcandle values by .80

B-K LIGHTING

40429 Brickyard Drive • Madera, CA 93636 • USA • 559.438.5800 • FAX 559.438.5900 • www.bklighting.com

Hiram	
Banks	
Lighting	
Design	
- Site	

Sebastopol Hotel	Project #: 184-17	Date: 7/24/18	TYPE
LIGHTING FIXTURE CUTSHEET	Issue: 70% CD PER	MIT SET	F39
The work contained in this document is the property of Hiram Ban This includes, but is not limited to quantity, spacing, and type of li	ks Lighting Design and may not be modified in an ighting equipment.	y manner without expressed written permissio	n. I UU

Hiram Banks Lighting Design • 461 Second Street, #659 • San Francisco, CA 94107 • 415 618 0855 tel • 415 618 0856 fax

SEP 1 3 2018

RED 🜔 Narrow Spot (NSP) GREEN 🥑 Spot (SP) YELLOW 🧽 Medium Flood (MFL) BLUE 📀 Wide Flood (WFL)

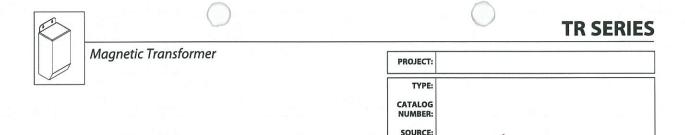
NOTE:

3

00

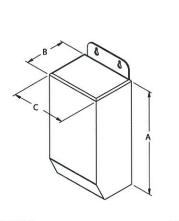
h

Adjust-e-Lume® dial is set to the factory standard: 9

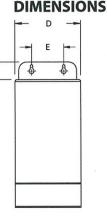


CATALOG NUMBER LOGIC

]	
Example		TR150	· - '	120
Series —				1
TR60	- 60W Ma	gnetic Transform	mer	
TR150	- 150W M	agnetic Transfo	rmer	
TR300	- 300W M	agnetic Transfo	rmer	
TR600	- 600W M	agnetic Transfo	rmer	
Input Volt	age ——			
120	- 120 Volt			
277	- 277 volt			

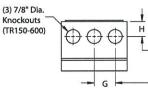


NOTES:



F

(2) 7/8" Dia. Knockouts (TR60) Æ G



TRANSFORMER DATA

All dimensions indicated on this submittal are nominal. Contact Technical Sales if you require more stringent specifications.

Series	Input Voltage	Max. Load	Circuit Breaker	Weight	Height A	Depth B	с	D	Е	F.	G	н
TR60	120V	60W	8A	3.7 lbs.	7-1/2"	2-15/16"	3"	3-7/64"	1-1/2"	1-1/16"	1-1/2"	3/4"
TR150	120V	150W	25A	6 lbs.	8"	3-3/32"	4-3/32"	5-1/2″	4-1/8"	1-1/8"	1-5/16"	15/16"
TR300	120V	300W	25A	7.13 lbs.	8"	3-3/32"	4-3/32"	5-1/2"	4-1/8"	1-1/8"	1-5/16"	15/16"
TR600	120V	600W	25A	14.9 lbs.	9-13/32"	4-3/32"	4-19/32"	5-3/4"	4-5/8"	1-1/16"	1-1/2"	1-1/4"
TR60	277V	60W	8A	3.7 lbs.	7-1/2"	2-15/16"	3"	3-7/64"	1-1/2"	1-1/16"	1-1/2"	3/4"
TR150	277V	150W	25A	6 lbs.	8"	3-3/32"	4-3/32"	5-1/2″	4-1/8"	1-1/8"	1-5/16"	15/16"
TR300	277V	300W	25A	7.13 lbs.	8"	3-3/32"	4-3/32"	5-1/2″	4-1/8"	1-1/8"	1-5/16"	15/16"
TR600	277V	600W	25A	14.9 lbs.	9-13/32"	4-3/32"	4-19/32"	5-3/4"	4-5/8"	1-1/16"	1-1/2"	1-1/4

SPECIFICATIONS

Housing Stainless steel, NEMA Outdoor 3R rated enclosure. [2] (TR60) or [3] (TR150-600) bottom entry 7/8" knockouts provide access to wiring compartment. Riveted, hinged cover opens vertically from bottom to top for service access.

Transformer

Fransormer Fully encapsulated, Class B insulated, low voltage magnetic transformer. 120VAC or 277VAC input. 12VAC output (fully loaded). 0.6A (120VAC) or 0.3A (277VAC) maximum no load input current. Manual thermal reset. Secondary circuit breaker. Enclosure temperature <65° C when fully loaded (in 40° C ambient).

For use with halogen and 문녀유휴는 products. Fully dimmable utilizing magnetic low voltage dimmers. Consult fixture specification for dimming capability.

Output Wiring See B-K Lighting Low Voltage Design Guide on reverse.

Warranty Limited five year warranty.

SUBMITTAL DATE

Certification and Listings Nema Type 3R Enclosure. Suitable for indoor and outdoor use. UL Listed to ANSI/UL Standard 1012.

SUBMITTAL NUMBER

c(UL)us

н

40429 Brickyard Drive • Madera, CA 93636 • USA 559.438.5800 • FAX 559.438.5900 www.bklighting.com • info@bklighting.com B-K G 7-30-13 **TR-SERIES** THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF B-K LIGHTING, INC. AND ITS RECEIPT OR POSSESSION DOES NOT CONVEY ANY RIGHTS TO REPRODUCE, DISCLOSE ITS CONTENTS, OR TO MANUFACTURE, USE OR SELL ANYTHING IT MAY DESCRIBE. REPRODUCTION, DISCLOSURE OR USE WITHOUT SPECIFIC WRITTEN AUTHORIZATION OF B-K LIGHTING, INC. IS STRICTLY FORBIDDEN. -1 . TYPE Project #: 184-17 Hi Date: 7/24/18 ol Hotel Ba Lig De

nks	Sebastopo
hting sign	LIGHTING FIX
	The work contained in this This includes, but is not li

KTURE CUTSHEET Issue: 70% CD PERMIT SET s document is the property of Hiram Banks Lighting Design and may not be modified in any manner without expressed written permission imited to quantity, spacing, and type of lighting equipment.

Hiram Banks Lighting Design • 461 Second Street, #659 • San Francisco, CA 94107 • 415 618 0855 tel • 415 618 0856 fax

F39

Low Voltage Guide

Many B-K LIGHTING fixtures operate on 12 volts. Taking advantage of these energy-saving fixtures requires appropriate care in planning the electrical wiring system. To maintain expected lamp performance, we recommend the following procedures in sizing your low-voltage wiring system.

SIZING OF LOW VOLTAGE WIRING

- 1. Locate and plot fixtures on plan. Choose the lighting equipment necessary to create the desired lighting effects. Mark lamp wattage for each fixture location.
- Identify potential transformer locations. The ideal locations are those which provide for the shortest possible low voltage distances (inconspicuous areas, behind rocks, shrubbery, etc., within the landscape). UPM, Power Pipe ™, Power Pipe II™, or, if available, transformers integral in the fixture are good ways to hide the transformer and reduce voltage drop problems.
- Add the total wattage for the proposed low voltage run. Measure the wire lengths from the transformer to the fixture locations. Find the distance to the "CENTER OF LOAD" of the low voltage run.

CENTER	_	Distance from first to last fixture	2	Distance from transformer
OF LOAD	=	(2) Two	+	to first fixture

4. Using the B-K LIGHTING Wire Selection Table, select the wattage column which applies. Look down the column stopping at a distance, in feet, that is equal or greater than the "CENTER OF LOAD" distance. Look across to find the proper wire size for your layout.

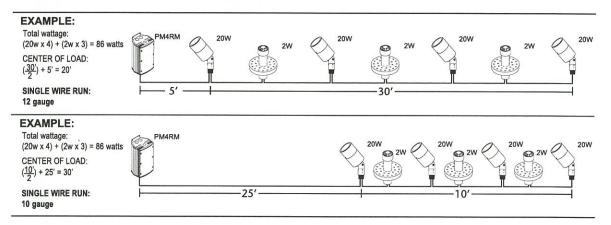
Note: In the event of multiple runs from a given transformer, treat each run separately.

WIRE SIZE	TOTAL WATTAGE																
	12	20	24	35	40	50	60	70	80	100	105	120	140	150	160	200	250
12	178	106	89	60	53	42	35	30	26	21	20	17	15	13		-	-
10	283	169	141	96	85	67	56	48	42	33	32	28	24	22	19	17	13
8	450	269	225	154	135	107	90	77	67	54	51	45	38	36	31	27	21
6	715	428	357	245	214	171	143	122	107	85	81	71	61	57	49	42	34

12-VOLT WIRE SELECTION TABLE

The Wire Selection Table provided is based on a maximum allowable voltage drop of 5%. Electrical designs which allow greater than 5% voltage drop, reduce rated light output beyond acceptable levels.

The importance of the proper wire selection is demonstrated below. Both examples have the same total watts and identical overall lengths of wire run, yet require different wire sizes, or multiple wire runs, to operate within the 5% maximum voltage drop B-K LIGHTING criteria.



TRANSFORMERS

For areas which are far reaching from fixtures, running 120 volt power to each fixture location with individual transformers, such as TRSS75 or TRSS150, provides an excellent economic solution to voltage drop. These transformers can also be specified in the UPM, Power Pipe™, and Power Pipe II[™] transformer housings.

