

## Project Narrative

### Marshall Outdoor Dining/Garden

Marshall Medical Center, 1100 Marshall Way, Placerville

Submitted: April 1, 2020

Revised: April 29, 2020

RECEIVED  
MAY 01 2020  
CITY OF PLACERVILLE  
DEVELOPMENT SERVICES DEPT

#### Project Description

The goal of this project is the construction of an outdoor dining/garden area on the Marshall Medical Center Campus, located between the South Wing and the 1988 Surgery building.

#### Program Goals

The existing Medical Center campus currently contains an outdoor dining/garden area located adjacent to, and accessible from, the Medical Center's current cafeteria. This space is used as an outdoor dining area as well as a place for staff, patients and visitors to enjoy the therapeutic outdoor environment. As part of the Medical Center's strategic planning in the early 2000s, it was determined that this existing dietary department was too small to serve the long-term needs of the Medical Center and would need to be replaced with a new dietary department at some time in the future. One of the program goals for this new dietary department was that it would provide an outdoor dining/garden environment, similar to the one associated with the existing dietary department.

#### Design

During the planning of the South Wing addition to the Medical Center, a significant portion of the ground floor was allocated for a new dietary department. One of the reasons for this location was that it would allow for the development of a new exterior dining/garden area, which can be accessed from both the new cafeteria as well as the landscaped areas of the main entrance and lobbies.

A conceptual design for this outdoor area was developed during the initial planning of the South Wing. As this was to be part of a later phase of work, formal plans for this area were not submitted to the City for approval at that time, however. The current design represents the development of this initial concept. Refinements have been made to meet the final programmatic and functional needs of the space, as well as provide the detailed information required for City of Placerville approvals, and for construction.



CITY OF PLACERVILLE
PLANNING APPLICATION

Date: 4/13/20
Zoning: BP/AD GP:
File No: SPR08-04R2
Filing Fee (PZ) 275.00
Filing Fee (EN)
Receipt No:

REQUEST FOR:

- Annexation, Boundary Line Adjustment, Certificate of Compliance, Conditional Use Permit, Environmental Assessment, Environmental Impact Report, Final Subdivision Map, General Plan Amendment, General Plan Consistency, Historic District Review, Landscape Plan Review, Map Amendment, Merger, Minor Deviation, Planned Development, Preliminary Plan Review, Sign Package Review / Amendment, Site Plan Review, Temporary Commercial Coach, Temporary Use Permit, Tentative Parcel Map, Tentative Subdivision Map, Variance, Zone Change

DESCRIPTION:

Blank lines for description text.

ITEMS ABOVE THIS LINE FOR OFFICE USE ONLY

\*\*\*\*\*
City Ordinance #1577 established a Fee & Service Charge System. In some cases project review will require the services of specialists under contract to do work that City staff cannot perform. In these cases, the applicant shall pay the direct cost of these services plus fifteen percent (15%) for City Administration.

PROJECT APPLICANT

NAME Dana Rice, Marshall Medical Center
MAILING ADDRESS 1100 Marshall Way, Placerville CA 95667
PHONE
EMAIL drice@marshallmedical.org

APPLICANT'S REPRESENTATIVE (if different)

NAME
MAILING ADDRESS
PHONE
EMAIL

PROPERTY OWNER(S)

NAME Marshall Medical Center
MAILING ADDRESS 1100 Marshall Way Placerville, CA 95667
EMAIL ADDRESS drice@marshallmedical.org
PHONE 530-626-2638

SURVEYOR, ENGINEER, ARCHITECT, OR OWNER'S REPRESENTATIVE (If applicable)

NAME Michael Ryan, d.b.a. Greenbough Design
MAILING ADDRESS P.O. Box 1358, Shing a Springs CA 95682
EMAIL ADDRESS mryan@greenboughdesign.com
PHONE 530-683-6744

have notified the mortgage holder, which is:

DESCRIPTION OF PROPERTY (Attach legal deed description)

STREET ADDRESS 1100 Marshall Way, Placerville, CA 95667
ASSESSOR'S PARCEL NO.(S) 004 250 001
Above described property was acquired by owner on

Month Day Year

RECEIVED

APR 13 2020

CITY OF PLACERVILLE
DEVELOPMENT SERVICES DEPT.

CITY OF PLACERVILLE
DEVELOPMENT SERVICES DEPARTMENT—PLANNING DIVISION
3101 CENTER STREET, PLACERVILLE, CA 95667, (530) 642-5252

List or attach any Covenants, Conditions or Restrictions, concerning use of property, of improvements contemplated; as well as yard setback and area or height requirements that were placed on the property by subdivision tract developers. Give date said restrictions expire.

Not Applicable

I hereby certify that the statements and information contained in this application, including the attached drawings and the required findings of fact, are in all respects true and correct. I understand that all property lines must be shown on the drawings and be visible upon site inspection. In the event that the lines and monuments are not shown or their location found to be incorrect, the owner assumes full responsibility.

I further understand that if this request is subsequently contested, the burden will be on me to establish: that I produced sufficient factual evidence at the hearing to support this request; that the evidence adequately justifies the granting of the request; that the findings of fact furnished by me are adequate, and further that all structures or improvements are properly located on the ground. Failure in this regard may result in the request being set aside, and structures being built in reliance thereon being required to be removed at my expense.

PROPERTY OWNER agrees to and shall hold the CITY, its officers, agents, employees and representatives harmless from liability for damage or claims for damage for personal injury, including death, and claims for property damage which may arise from the direct or indirect operations of the PROPERTY OWNER or those of his contractor, subcontractor, agent, employee or other person acting on his behalf which relate to this project. PROPERTY OWNER agrees to and shall defend the CITY and its officers, agents, employees and representatives from actions for damages caused or alleged to have been caused by reason of the PROPERTY OWNER'S activities in connection with the project. This hold harmless agreement applies to all damages and claims for damages suffered or alleged to have been suffered by reason of the operations referred to in this paragraph, regardless of whether or not the CITY prepared, supplies or approved plans or specifications or both for the project.

PROPERTY OWNER further agrees to indemnify, hold harmless, pay all costs and provide a defense for CITY in any action challenging the validity of PROPERTY OWNER'S project.

Dana Rice Dana Rice 4/2/20  
Applicant's Signature Printed Name of Applicant(s) Date

As owner of the property involved in this request, I have read and understood the complete application and its consequences to me as a property owner.

Kathy Krejci Kathy Krejci, CNO-ACOO 4/2/20  
Signature of Property Owner Printed Name of Property Owner Date

\_\_\_\_\_  
Signature of Property Owner Printed Name of Property Owner Date

NOTICE: Section 10-3-9 of the Placerville Municipal Code prohibits the occupancy of a building or a release of utilities prior to the issuance of a Certificate of Occupancy by the Building Division AND the completion of all zoning requirements and conditions imposed by the Planning Commission or City Council UNLESS a satisfactory performance bond or other acceptable security has been posted to insure completion. VIOLATIONS may result in prosecution and/or disconnection of utilities.

\*\*\*\*\*

A Notice of Public Hearing and Staff Report will be prepared for applications requiring public hearing(s). Staff Report will be sent to the Applicant and Owner. Notices and Staff Reports will be sent via email if addresses have been provided; if not, the documents will be sent to the mailing addresses provided on this form. Please list below any alternate or additional recipients, along with their contact information, or any alternate instructions for sending these materials to the Applicant or Owner.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

RECEIVED

MAY 01 2020

CITY OF PLACERVILLE  
DEVELOPMENT SERVICES DEPT

File Number: SPR08-04-R2

Date Filed: \_\_\_\_\_

CITY OF PLACERVILLE

ENVIRONMENTAL INFORMATION FORM

(To Be Completed By Applicant)

This form is required to be completed, returned and accepted as complete by the City prior to the application for the project is determined complete.

**A. GENERAL INFORMATION**

Project Title or

Name: Marshall Medical Center Outdoor Dining

City: Placerville

Name of Owner: Marshall Medical Center Telephone: 530-626-2638

Address: 1100 Marshall Way, Placerville, CA 95667

Name of Architect, Engineer or Designer: Michael Ryan, Greenbough Design

Address: PO Box 1358 Shingle Springs, CA 95682

Telephone: \_\_\_\_\_

Project Location: 1100 Marshall Way, Placerville, CA 95667

Assessor's Parcel Number(s): 004-350-001

General Plan Designation: BP

Zoning: BP / AO

Property size

Gross (sq. ft./acre): 13.0 Acres

Net (sq. ft./acre) (total minus areas of public streets and proposed dedications) : 13.0 Acres

\*\*\*\*\*

Please answer all of the following questions as completely as possible.

**B. PROJECT DESCRIPTION**      Landscaping improvements and new patio space for

1. Type of project and description: outdoor dining adjacent to new medical center cafeteria.

2. What is the number of units/parcels proposed? one parcel existing, no changes.

3. What is the gross number of units per acre? N/A - one parcel existing, no changes.

4. Site Size: .08 acres

5. Square footage of each use: space is all one use

6. Number of floors of construction: N/A

7. Amount of off-street parking provided: N/A

8. Attach plans showing streets, utilities, existing and proposed contours (grading), drainage, all existing large trees (24" in circumference), existing and proposed buildings surrounding uses and/or buildings, landscape areas, parking areas, driveways, pedestrian walkways, exterior lighting, trash collection area, sign locations.

9. Proposed scheduling: Start date: 01/2021    End Date: 03/2021

10. If residential, include the number of units, schedule of unit sizes, range of sale prices or rents, and type of household size expected: N/A

11. If commercial, indicate the type, whether neighborhood, city or regionally oriented, square footage of sales area, and loading facilities: N/A

12. If industrial, indicate type, estimated employment per shift, and loading facilities

N/A

13. If institutional, indicate the major function, estimated employment per shift, estimated occupancy, loading facilities, and community benefits to be derived from the project: Outdoor dining space for existing medical center.

14. If the project involves a variance, conditional use or rezoning application, state this and indicate clearly why the application is required: N/A

15. Provide an analysis of traffic generated by the project and how it will impact existing traffic. No traffic impact, existing hospital, no growth in size based on development

16. If the project is in a location of known mining activity, a complete geological analysis shall be submitted. N/A

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

|   | YES                                 | NO                                  |
|---|-------------------------------------|-------------------------------------|
| 17. Change in existing features of any hills or substantial alteration of ground contours.                  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| 18. Change in scenic views or vistas from existing residential areas or public lands or roads.              | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 19. Change in pattern, scale or character of general area of project.                                       | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 20. Significant amounts of solid waste or litter.   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 21. Change in dust, ash, smoke, fumes or odors in vicinity.   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 22. Change lake, stream or ground water quality or quantity, or alteration of existing drainage patters.    | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 23. Substantial change in existing noise or vibration levels in the vicinity.                               | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 24. Site on filled land or on slope of 10 percent or more.  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 25. Use of disposal of potentially hazardous materials, such as toxic substances, flammables or explosives. | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 26. Substantial change in demand for municipal services (police, fire, water, sewage, etc.).                | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 27. Substantially increase fossil fuel consumption (oil, natural gas, etc.)                                 | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 28. Is this project part of a larger project or series of projects.   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |

## ENVIRONMENTAL SETTING

29. 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. Undeveloped outdoor space, slight grade, partial retaining wall.

30. Describe the surrounding properties, including information on plants 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, setback, rear yard, etc.). Attach photographs of the vicinity. Snapshots or Polaroid photos will be accepted.

Area sits on the hospital campus between the original main hospital and the South Wing (constructed 2010)

## GEOLOGY AND SOILS

31. Identify the percentage of land in the following slope categories: (The applicant may wish to submit a map showing slopes.)

100 0 to 10%    11 to 15%    16 to 20%    21 to 29%    30 to 35%    Over 35

32. Have you observed any building or soil settlement, landslides, rock falls mining or avalanches on this property or in the nearby surrounding area? NO

If yes, please explain: \_\_\_\_\_

33. Describe the amount of cut and fill necessary for the project: 103 CY (net, cut)

## DRAINAGE AND HYDROLOGY

34. Is the project located within a flood plain? If so, describe and show area subject to flooding on a map. NO

35. What is the distance to the nearest body of water, stream or year round drainage channel? Name of the water body: 500 feet cedar ravine, 1/2 mile Hangtown Creek

36. Will the project result in the direct or indirect discharge of silt or any other particles in noticeable amounts into any streams? No, existing filter & detention system

37. Will the project result in the physical alteration of a natural body of water or drainage way? If so, in what way? No, existing filter & detention system

38. Does the project area contain any wet meadows, marshes or other perennially wet areas? NO If so, delineate this area on Site Plan.

## VEGETATION AND WILDLIFE

39. What is the predominant vegetative cover on the site (trees, brush, grass, etc.)? Estimate percentage of each: 100% Commercial development, paving and landscaping

40. How many trees of 7.5-inch diameter or 20 feet high will be removed when this project is implemented? None

**FIRE PROTECTION**

- 41. What is the nearest emergency source of water for fire protection purposes? (Hydrant, pond, etc.):  
Hydrants - City of Placerville water main system.
- 42. What is the distance to the nearest fire station? EDC Fire Station 26 - Dist. 2,200 feet
- 43. Will the project create any dead-end roads greater than 300 feet in length? No
- 44. Will the project involve the burning of any material, including brush, trees and construction materials? No

**NOISE**

- 45. Is the project near a heavy commercial area, industrial area, freeway or major highway? If so, how far? In the middle of an existing medical center.
- 46. What types of noise would be created by the establishment of this land use, both during and after construction? Minor pedestrian noise only, outdoor dining area.

**AIR QUALITY**

- 47. Would any noticeable amounts of air pollution, such as smoke, dust or odors be produced by this project? No

**WATER QUALITY**

- 48. What is the proposed water source: EID  City of Placerville  Well  Other
- 49. What is the water use? (residential, agricultural, industrial or commercial): Commercial

**HAZARDS**

- 50. Is the site listed on California Environmental Protection Agency's Hazardous Site List? No  
If yes, what is the regulatory identification number: \_\_\_\_\_  
Date of list: \_\_\_\_\_

**AESTHETICS**

- 51. Will the project obstruct scenic views from existing residential areas, public lands, public bodies of water or roads? No

**ARCHAEOLOGY/HISTORY**

- 52. Do you know of any archaeological or historical areas within the boundaries or adjacent to the project? (example: Indian burial grounds, gold mines, etc.): No

**SEWAGE**

- 53. What is the proposed method of sewage disposal? N/A  
 Septic System  City Sewer  Other: \_\_\_\_\_
- 54. Would the project require a change in sewage disposal methods from those currently used in the vicinity? No

**TRANSPORTATION**

- 55. Will the project create any traffic problems or change any existing roads, highways, or existing traffic patterns? No
- 56. Will the project reduce or restrict access to public lands, parks or any public facilities? No
- 57. Will the project change the L.O.S. on any existing roads? No

**GROWTH INDUCING IMPACTS**

- 58. Will the project result in the introduction of activities not currently found within the community? No
- 59. Could the project serve to encourage development of presently undeveloped areas, or increases in development intensity of already developed areas (examples: include the introduction of new or expanded public utilities, new industry, commercial facilities or recreation activities)? No
- 60. Will the project require the extension of existing public utility lines? No If So, identify and give distances: \_\_\_\_\_

**GENERAL**

- 61. Will the project involve the application, use or disposal of potentially hazardous materials, including pesticides, herbicides, other toxic substances or radioactive material? No.
- 62. Will the proposed project result in the removal of a natural resource for commercial purposes (including rock, sand, gravel, trees, minerals or top soil)? No
- 63. Could the project create new, or aggravate existing health problems (including, but not limited to flies, mosquitoes, rodents and other disease vectors)? No.
- 64. Will the project displace any community residents? No.

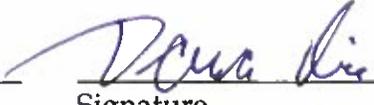
Discuss any yes answers to the previous questions, use additional sheets if necessary.

**MITIGATION MEASURES**

Proposed mitigation measures for any of the above questions where there will be an adverse impact, use additional sheets if necessary: N/A

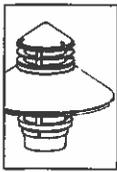
**CERTIFICATION**

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 presented are true and correct to the best of my knowledge and belief.

4/6/20 \_\_\_\_\_  \_\_\_\_\_  
 Date Signature

CD-021-P For \_\_\_\_\_  
 3/15





TYPE "A"



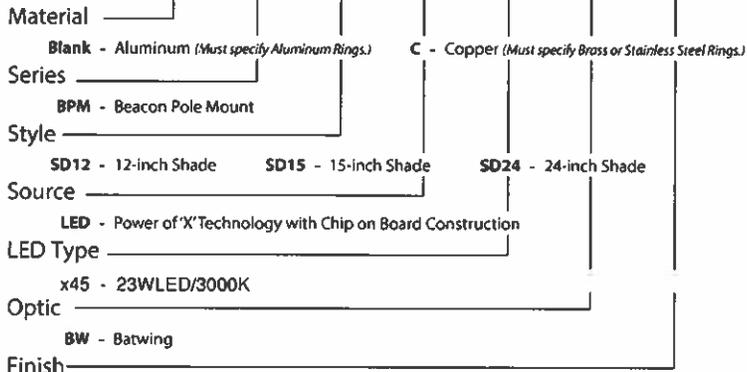
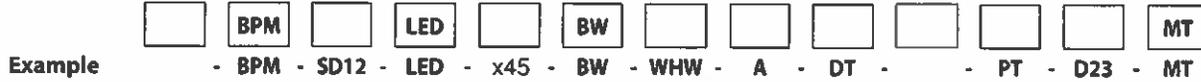
THE POWER OF



# BEACON POLE MOUNT (BPM)

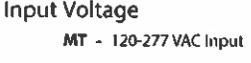
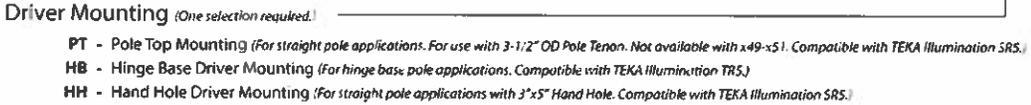
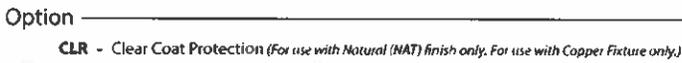
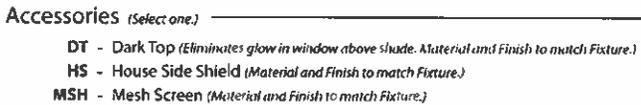
|                 |                               |
|-----------------|-------------------------------|
| PROJECT:        |                               |
| TYPE:           |                               |
| CATALOG NUMBER: | BPM LED BW MT                 |
| SOURCE:         | LED - Power of 'X' Technology |
| NOTES:          |                               |

## CATALOG NUMBER LOGIC



| Powder Coat Standard Finish |       |         |
|-----------------------------|-------|---------|
| Powder Coat Color           | Satin | Wrinkle |
| Bronze                      | BZP   | BZW     |
| Black                       | BLP   | BLW     |
| White (Gloss)               | WHP   | WHW     |
| Aluminum                    | SAP   | —       |
| Verde                       | —     | VER     |

| Powder Coat Premium 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                                      |
| BCM 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               | <i>Also available in RAL Finishes See submittal SUB-1439-00.</i> |



## DRIVER DATA

| Type | AC Input Range | Frequency Hz | Power Factor At Full Load (Efficiency) | THD  | InRush Current           | Operating Current | Operation Ambient Temperature | Dimmer Type | Dimmer Range |
|------|----------------|--------------|--|------|--------------------------|-------------------|-------------------------------|-------------|--------------|
| D23  | 120-277Vac     | 50/60 Hz     | >.90                                   | ≤20% | 30mA <sup>2</sup> s@277V | 700mA             | (-30° C to 50° C)             | 0-10V       | 1-100%       |

## LM79 DATA

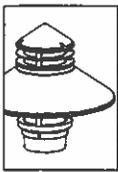
| TEKA LED # | LUMENS (Delivered) | CCT  | INPUT WATTS (Typ.) | CRI (Typ.) |
|------------|--------------------|------|--------------------|------------|
| x83        | 1725               | 2700 | 23                 | 80         |
| x84        | 1889               | 3000 | 23                 | 80         |
| x85        | 1913               | 4000 | 23                 | 80         |

## L70 DATA

| Minimum Rated Life (hrs.) - 70% of initial lumens (L70) |
|---|
| 50,000  |
| 50,000  |
| 50,000  |

|                          |   |                              |                               |
|--------------------------|---|------------------------------|-------------------------------|
| <b>TEKA ILLUMINATION</b> | 40429 Brickyard Drive • Madera, CA 93636 • USA<br>559.438.5800 • FAX 559.438.5900<br>www.tekaillumination.com • info@tekaillumination.com | SUBMITTAL DATE<br>05-15-2018 | DRAWING NUMBER<br>SUB-2569-00 |
|--------------------------|---|------------------------------|-------------------------------|

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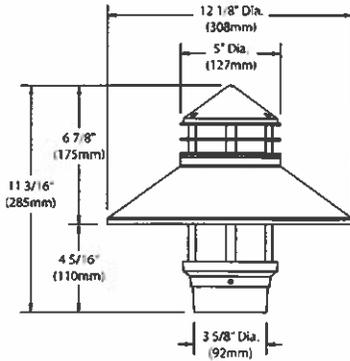
# BEACON POLE MOUNT (BPM)

PROJECT: \_\_\_\_\_

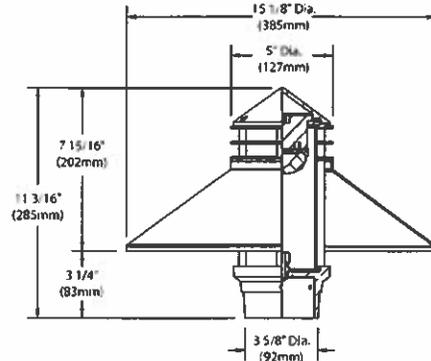
TYPE: \_\_\_\_\_

## SIDE VIEW

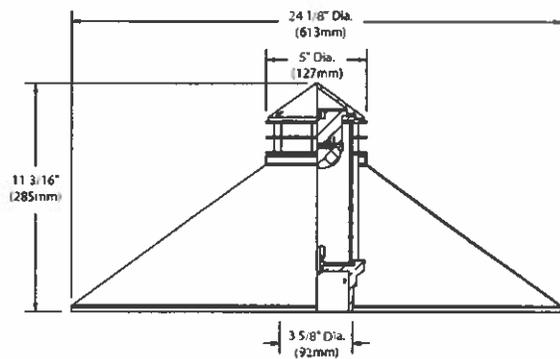
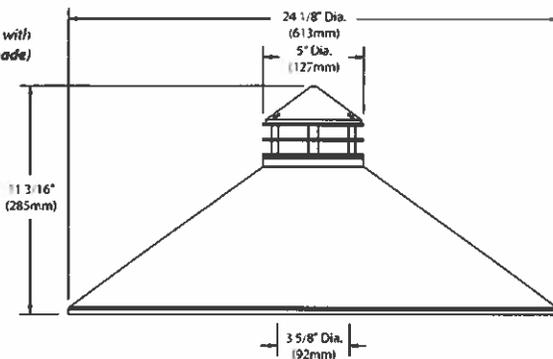
(Shown with  
12" Shade)



(Shown with  
15" Shade)



(Shown with  
24" Shade)



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

## 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 rebates. Consult [www.tekaillumination.com/greensource](http://www.tekaillumination.com/greensource) for program requirements.

### Materials

**Copper:** Constructed from copper and brass. These enduring metals are inherently corrosion resistant.

**Aluminum:** Constructed from Copper-free Aluminum (Type 6061-T6).

### Base

Cast from solid bronze or copper free aluminum. Slip fits 3 1/2" OD TEKA post top.

### Mesh Screen

Diffuses light in window. Not available with half shield. Finish to match fixture. Not available with Dark Top (DT).

### Dark Top

Eliminates glow in window above shade.

### House Side Shield

Eliminates light from half of the fixture. Hand spun aluminum- 3003 or copper- C101.

### Shade

Hand spun from 16GA aluminum 3003-H14 or copper C101. Specify 12", 15" or 24" diameter.

### Optic

Acrylic Batwing Optic.

### Lens

3.5" O.D. frosted acrylic lens.

### Color Management

Chip on board technology delivers natural white light. Exact color point conformity exceeds ANSI C78.377 standard. Module exceeds 80 CRI (RA>80, R9.16). Color point uniformity 2 SDCM color control for 2700K-4000K CCT.

### Driver (23W)

[1] 700mA (D23), Class A, constant current driver. 120-277VAC (nominal) primary input voltage. 50/60Hz. >0.90 Power Factor, 30mA'S in-rush current, ≤20%THD (nominal at 120VAC full load). Output over-voltage, over-current, and short circuit protection with auto recovery. EMC: FCC47CFR Part 15 Class B compliant. Dimming driver for use with standard 0-10V dimmers and switch controls. 1-100% range (Refer to driver electrical data). D34 - 1-100% dimming range.

### BKSSL®

Integrated solid state system with 'X' technology is scalable for field upgrade. Modular design with electrical quick disconnects permit field maintenance. Minimum 50,000 hour rated life at 70% of initial lumens (L70). BKSSL technology provides long life, significant energy reduction and exceptional thermal management.

### Ring Stack

Solid aluminum with aluminum spacers; brass or stainless steel accent rings with solid brass spacers.

### Wiring

Tefzel™ coated stranded wire. 18GA. 600V, 150°C rated and certified to UL16 and certified to UL 1659 standard.

### Hardware

Tamper-resistant, stainless steel hardware.

### Driver Installation Options

(Please specify)

**Pole Top:** Driver suspended from fixture. Fits 3 1/2" OD maximum.

**Hinge Base:** Located at base of pole. Stand alone driver tray. For use with PTRS.

**Hand Hole:** Located at base of pole. Stand alone driver tray attaches to standard hand hole pole brackets per NEC. Hand hole must be 3"x 5".

### Finish

**Copper and Brass:** Natural (NAT): Copper and brass components are sand blasted to expose the porous metal surface. Over time, and with exposure to the elements, the metals will naturally 'weather' resulting in a unique patina.

Also available with hand-crafted metal finishes including brown patina (BP), green patina (GP), polish (POL), and nickel plate (NIC).

Aluminum, Copper and brass components are also available in powder coat finishes.

Optional ceramic clear coat protection (copper and brass components only) seals and protects underlying metals and protects against discoloration, fading, and wear. Highly impervious to chemicals, solvents, and graffiti. For use with natural (NAT) and polish (POL) finishes.

**Aluminum:** 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.

### Listings

UL 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. Additionally suitable for installation within 4' of the ground. IP66 Rated. Made in USA.



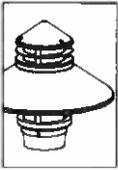
Tefzel™ is trademark of The Chemours Company FC, LLC.

**TEKA** ILLUMINATION

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559.438.5800 • FAX 559.438.5900  
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SUBMITTAL DATE  
05-15-2018

DRAWING NUMBER  
SUB-2569-00



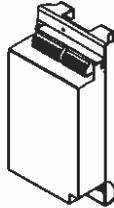
# BEACON POLE MOUNT (BPM)

PROJECT:

TYPE:

## DRIVER MOUNTING OPTIONS

(Hand Hole Driver Mounting *HH-D23*)

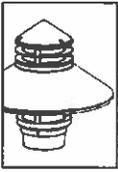


(Hinge Base Driver Mounting *HB-D23*)



(Pole Top Mounting *PT-D23*)



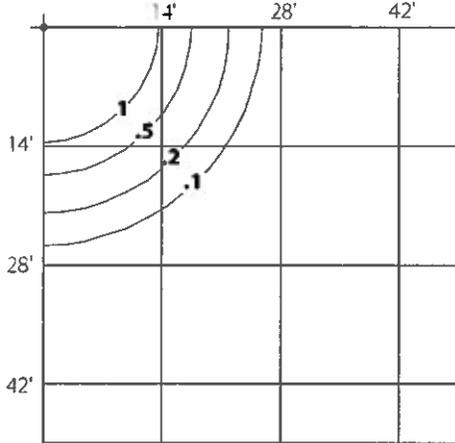


# BEACON POLE MOUNT (BPM)

## HORIZONTAL FOOTCANDLES

### BPM - LED - X85 (23W) - 4000K

Mounting Height = 12.00 Ft, Style = SD12

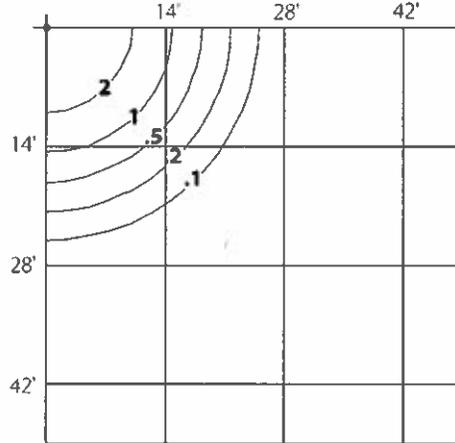


#### HORIZONTAL FOOTCANDLES

Light Loss Factor = 1.00  
 Luminaire Lumens = 1757  
 Maximum Calculated Value = 2.03 Fc  
 2.7K Multiplier = .9  
 3K Multiplier = .99  
 BUG Rating = B1 U2 G1

### BPM - LED - X85 (23W) - 4000K

Mounting Height = 12.00 Ft, Style = SD15

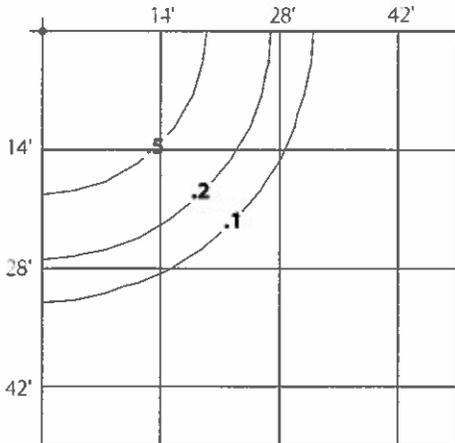


#### HORIZONTAL FOOTCANDLES

Light Loss Factor = 1.00  
 Luminaire Lumens = 1913  
 Maximum Calculated Value = 2.34 Fc  
 2.7K Multiplier = .9  
 3K Multiplier = .99  
 BUG Rating = B1 U2 G1

### BPM - LED - X85 (23W) - 4000K

Mounting Height = 18.00 Ft, Style = SD12

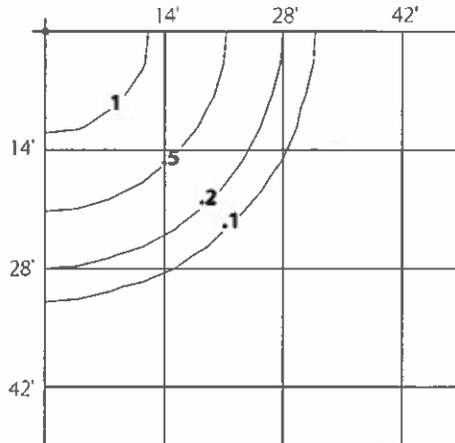


#### HORIZONTAL FOOTCANDLES

Light Loss Factor = 1.00  
 Luminaire Lumens = 1757  
 Maximum Calculated Value = 0.90 Fc  
 2.7K Multiplier = .9  
 3K Multiplier = .99  
 BUG Rating = B1 U2 G1

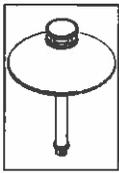
### BPM - LED - X85 (23W) - 4000K

Mounting Height = 18.00 Ft, Style = SD15



#### HORIZONTAL FOOTCANDLES

Light Loss Factor = 1.00  
 Luminaire Lumens = 1913  
 Maximum Calculated Value = 1.04 Fc  
 2.7K Multiplier = .9  
 3K Multiplier = .99  
 BUG Rating = B1 U2 G1



**TYPE "B"**

the power of

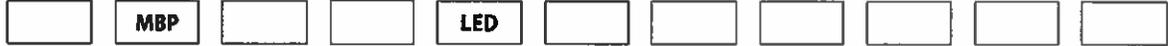


**BKSSL**  
BEYOND LIGHTS

# MINIATURE BEACON PATH LIGHT (MBP)

|                 |  |
|-----------------|--|
| PROJECT:        |  |
| TYPE:           |  |
| CATALOG NUMBER: | <b>MBP LED</b>                                     |
| SOURCE:         | <b>'e' Technology with Integral Dimming Driver</b> |
| NOTES:          |  |

## CATALOG NUMBER LOGIC



**Example**

Material - **MBP** - **12** - **SD5** - **LED** - **e93** - **BZP** - **CC1** - **DT** - **#30**

**Material**  
Blank - Aluminum  
C - Copper

**Series**  
MBP - Miniature Beacon Path Light

**Stem Length (Specify Inches)**  
- 12", 18", 24", 30", 36", 42"

**Style**  
LS - Less Shade  
SD5 - 5 Inch Disk  
SD8 - 8 Inch Shade

**Source**  
LED - 'e' Technology with Integral Dimming Driver  
*\*For use with Remote BKSSL\* Transformer*

**LED Type**  
e93 - 7WLED/2700K      e95 - 7WLED/4000K  
e94 - 7WLED/3000K      e96 - 7WLED/Amber

**Finish**  
NAT - Natural\*  
BP - Brown Patina\*  
GP - Green Patina\*  
NIC - Nickel Plate\*  
BZW - Bronze Wrinkle  
*See Powder Coat Finish Chart to the right for additional choices. \*Not available with Aluminum. For Aluminum fixtures, specify Standard or Premium Powder Coat.*

| Powder Coat Standard Finish |       |         |
|-----------------------------|-------|---------|
| Powder Coat Color           | Satin | Wrinkle |
| Bronze                      | BZP   | BZW     |
| Black                       | BLP   | BLW     |
| White (Gloss)               | WHP   | WHW     |
| Aluminum                    | SAP   | —       |
| Verde                       | —     | VER     |

| Powder Coat Premium 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                                     |
| BCM 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     | OCF Old Copper               | <i>Also available in RAL Finishes See submittal SUB-1439-00</i> |

**Cap**  
CC1 - Cone Cap  
CF1 - Flat Cap

**Accessories**  
DT - Dark Top (Eliminates glow in window above shade. Material and Finish to match Fixture. Available with SD5 or SD8 Styles only.)  
MSH - Mesh Screen (Material and Finish to match Fixture.)

**Option**  
CLR - Clear Coat Protection (For Copper fixtures only.)

**Mounting**  
#30 - #30 Clamp On Blades (Additional 1ft. stem and 5 of 18/2 wire included. For Copper fixture only.)  
PP18B - Power Pipe B Cap (18" Power Pipe)  
PP-TRE20 - Power Pipe T Housing (Tre20 with 18" Power Pipe)  
SF - Stability Flange (For use with Power Pipe)

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

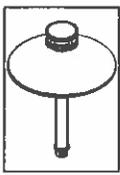
## LM79 DATA

## L70 DATA

| TEKA LED # | LUMENS (Delivered) | CCT           | INPUT WATTS (Typ.) | CR (Typ.) | Minimum Rated Life (hrs.) - 70% of initial lumens (L70) |
|------------|--------------------|---------------|--------------------|-----------|---|
| e93        | 314                | 2700          | 7                  | 80        | 50,000  |
| e94        | 323                | 3000          | 7                  | 80        | 50,000  |
| e95        | 348                | 4000          | 7                  | 80        | 50,000  |
| e96        | n/a                | Amber (590nm) | 7                  | -         | 50,000  |

|                          |   |                |                |
|--------------------------|---|----------------|----------------|
| <b>TEKA ILLUMINATION</b> | 40429 Brickyard Drive • Madera, CA 93636 • USA<br>559.438.5800 • FAX 559.438.5900<br>www.tekaillumination.com • info@tekaillumination.com | SUBMITTAL DATE | DRAWING NUMBER |
|                          |   | 07-23-2018     | SUB-2561-00    |

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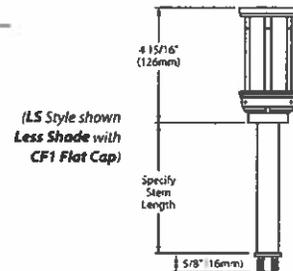
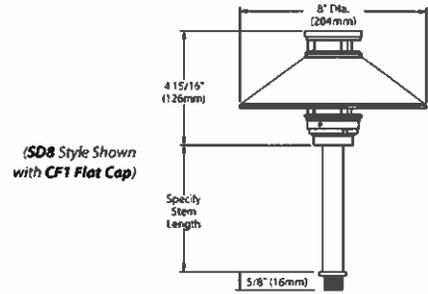
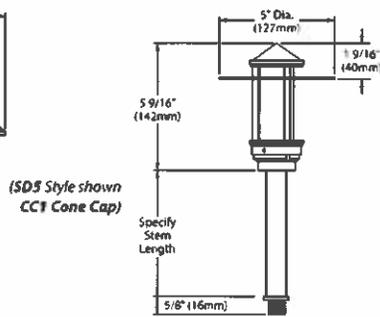
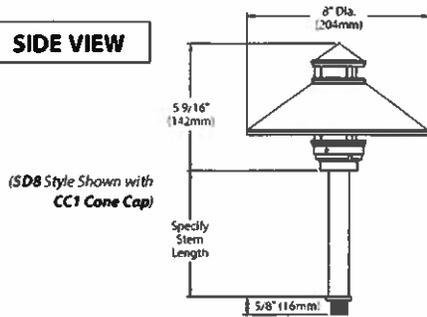
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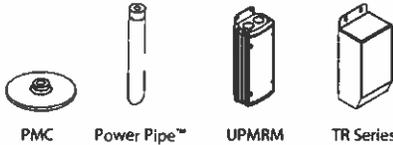
# MINIATURE BEACON PATH LIGHT (MBP)

|          |  |
|----------|--|
| PROJECT: |  |
| TYPE:    |  |

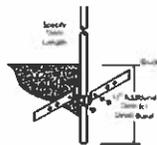
## SIDE VIEW



## Accessories (Configure Separately)



## #30 Clamp On Blades (Optional)



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

## 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.tekallumination.com/greensource](http://www.tekallumination.com/greensource) for program requirements.

### Materials

**Copper:** Constructed from copper and brass. These enduring metals are inherently corrosion resistant.

**Aluminum:** Constructed from Copper-Free aluminum (Type 6061-T6).

### Disk

5" disk available in 1/8" 6061-T6 Aluminum or 1/8" Copper.

### Shade

8" Shade hand spun from high purity, solid copper plate Cu C101 or Aluminum 16GA Alu 3003-H14.

### Cap

Top cap available in cone top or flat top. 6061-T6 Aluminum or C360 Brass.

### Lens

High heat, shock resistant, frosted 1.5" diameter acrylic lens. Indirect optic system.

### Mesh Screen

Diffuses light in both upper and lower windows.

### Dark Top

Eliminates light from upper window of the fixture. Aluminum- 6063 or 260 Brass.

### Stem

Machined from heavy wall 7/8" O.D. 6061-T6 Aluminum or Type K Soft Copper.

### 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.

### 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.

### Installation

Available for installation in three distinct mounting conditions:

**#30 Clamp on Blades** include an additional 12" stem for direct burial and leads extending 60" from fixture to facilitate live splice in suitable enclosure. Available with Copper Fixture only.

### 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 projects into substrate to reinforce housing stability. For use with 12VAC remote transformer or magnetic transformers only. TEKA Illumination cannot guarantee performance with third party manufacturers' transformers.

### Power Pipe™ 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.

### Remote Transformer

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

### Wiring

Black, 18AWG coated wire. 30V 60°C rated and certified to UL 1659 standard. Leads extend 6" from fixture to facilitate live splice in suitable enclosure.

### Hardware

Tamper resistant, stainless steel hardware.

### Finish

**Copper and Brass:** Natural (NAT): Copper and brass components are sand blasted to expose the porous metal surface. Over time, and with exposure to the elements, the metals will naturally 'weather' resulting in a unique patina.

Also available with hand-crafted metal finishes including brown patina (BP), green patina (GP), polish (POL), and nickel plate (NIC).

Aluminum, Copper and Brass components are also available in powder coat finishes.

Optional ceramic clear coat protection (copper and brass components only) seals and protects underlying metals and protects against discoloration, fading, and wear. Highly impervious to chemicals, solvents, and graffiti. For use with natural (NAT) and polish (POL) finishes.

**Aluminum:** 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.

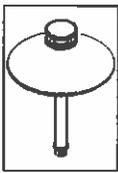
### Listings

UL 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. Additionally suitable for installation within 4' of the ground. IP66 Rated. Made in USA.



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

|  |  |                                     |                                      |
|--|--|-------------------------------------|--------------------------------------|
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|  |  |                                     |                                      |



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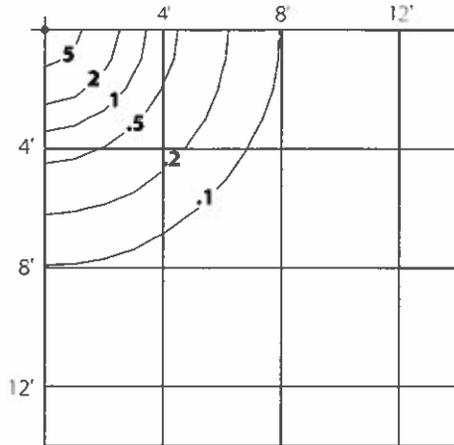


# MINIATURE BEACON PATH LIGHT (MBP)

## HORIZONTAL FOOTCANDLES

### MBP - LED - e95 (7W) - 4000K

Mounting Height = 2.00 Ft, Style = SDS

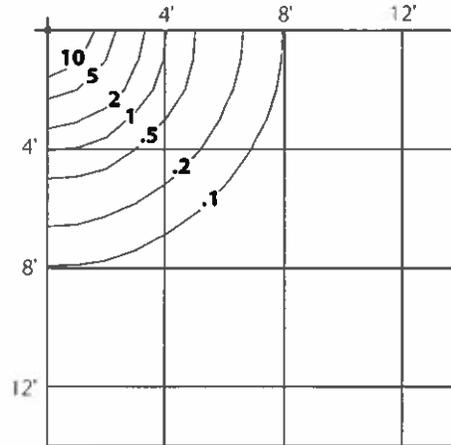


### HORIZONTAL FOOTCANDLES

Light Loss Factor = 1.00  
 Luminaire Lumens = 436  
 Maximum Calculated Value = 6.48 Fc  
 2.7K Multiplier = .9  
 3K Multiplier = .93  
 BUG Rating = B0 U2 G0

### MBP - LED - e95 (7W) - 4000K

Mounting Height = 2.00 Ft, Style = SD8

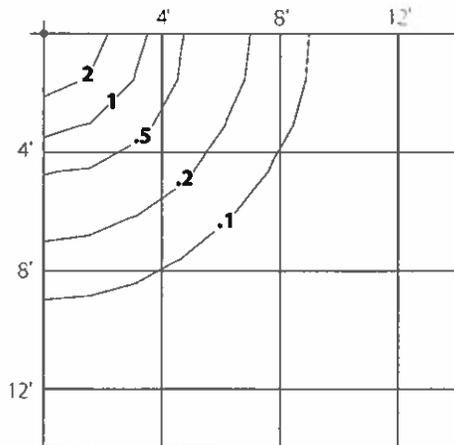


### HORIZONTAL FOOTCANDLES

Light Loss Factor = 1.00  
 Luminaire Lumens = 348  
 Maximum Calculated Value = 32.10 Fc  
 2.7K Multiplier = .9  
 3K Multiplier = .93  
 BUG Rating = B0 U2 G0

### MBP - LED - e95 (7W) - 4000K

Mounting Height = 3.00 Ft, Style = SDS

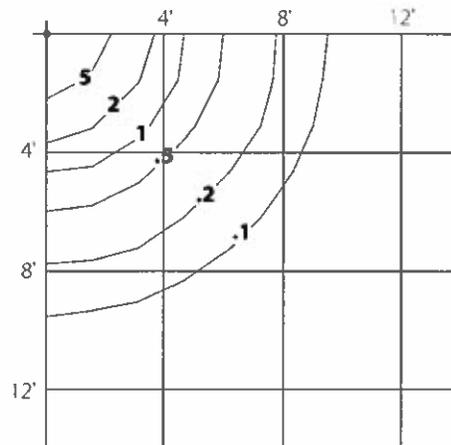


### HORIZONTAL FOOTCANDLES

Light Loss Factor = 1.00  
 Luminaire Lumens = 436  
 Maximum Calculated Value = 2.88 Fc  
 2.7K Multiplier = .9  
 3K Multiplier = .93  
 BUG Rating = B0 U2 G0

### MBP - LED - e95 (7W) - 4000K

Mounting Height = 3.00 Ft, Style = SD8



### HORIZONTAL FOOTCANDLES

Light Loss Factor = 1.00  
 Luminaire Lumens = 348  
 Maximum Calculated Value = 14.27 Fc  
 2.7K Multiplier = .9  
 3K Multiplier = .93  
 BUG Rating = B0 U2 G0



TYPE "C"



Project: \_\_\_\_\_  
 Location: \_\_\_\_\_  
 Cat No: \_\_\_\_\_  
 Type: \_\_\_\_\_  
 Lamps: \_\_\_\_\_ Qty: \_\_\_\_\_  
 Notes: \_\_\_\_\_

The Gardco LED step and aisle lights 941L, 942L & 943L are architecturally styled luminaires precisely constructed of die cast aluminum, providing light with high performance, long life LED systems. Retrofit kits are also available, making it possible to update installations of classic 941, 942 and 943 Gardco fluorescent and HID step lights to LED without the need to replace the back housing. A field adjustable junction box enhances design flexibility. Self-compensating silicone gasketing completely excludes moisture, insects and contaminants. A choice of three (3) architecturally designed faceplates allows for a variety of applications. The ribbed guard faceplate offers vandal protection for glass lenses.

Ordering guide

example 941L-21L-CW-D-LV-120-F-BZ

| Prefix                                   | Wattage  | Color Temp Generation  | Wall Type   | Faceplates  | Voltage  | Options   | Finish  |
|--|--|--|---|---|--|---|---|
| Complete Luminaires                      | <b>21L</b> 21W, integral lens array (350mA)<br><b>31L</b> 31W, integral lens array (530mA) | <b>CW</b> Cool White 5700K, 70CRI<br><b>NW</b> Neutral White 4000K, 70CRI<br><b>WW</b> Warm white 3000K, 70CRI | <b>D</b> Drywall<br>Not suitable for concrete pour applications. Also, if insulating material is present, it must be kept at least 3" away from luminaire. Type D units are thermally protected Non-IC luminaire.<br><b>C</b> Concrete Pour<br>Suitable for concrete pour applications only.<br><b>Note:</b> wall type does not apply to 943L-B25 and 943L-B40. Omit WALL TYPE for 943L-B25 and 943L-B40. | <b>LV</b> Louver<br><b>DG1</b> Diffuse Glass<br><b>RGD</b> Ribbed Guard with Diffuse Glass <sup>1</sup> | <b>120</b> 120V <sup>4</sup><br><b>277</b> 277V <sup>4</sup><br><b>UNV</b> 120-277V <sup>5</sup> 50hz/60hz | <b>F</b> Fusing (provide specific input voltage)<br><b>TP</b> Tamper Resistant Screws | <b>BZ</b> Textured bronze<br><b>WH</b> Textured white<br><b>BK</b> Textured black<br><b>DGY</b> Dark grey<br><b>OC</b> Optional color (specify the RAL designation) ex: OC-RAL7024<br><b>SC</b> Special color paint (must supply color chip to specify) |
| Retrofit Kits <sup>1</sup>               |  |  |   |   |  |   |   |
| <b>RK-941L</b> Horizontal <sup>1,2</sup> |  |  |   |   |  |   |   |
| <b>RK-942L</b> Horizontal <sup>2</sup>   |  |  |   |   |  |   |   |
| <b>RK-943L</b> Vertical                  |  |  |   |   |  |   |   |

**Note:** Omit wall type for 943L-B25 and 943L-B40. Gardco reserves the right to refuse a configuration. Not all combinations and configurations are valid. Refer to notes below for exclusions and limitations. For questions or concerns, please consult the factory.

- 941L and RK-941L are not available with the RGD faceplate.
- Retrofit kits are available in Wall Type "C" only (Concrete Pour). Retrofit kits are not available for existing Wall Type "D" (Drywall) luminaires. The step light portion of existing 943BL25 and 943BL40 units may be replaced utilizing RK-943L retrofit kits.
- 941L is not available in 40LA (700mA) LED wattage. Lumen values shown are based on Bronze painted faceplates. Values will vary based on the faceplate color.
- Wall Type D luminaires only.
- UNIV means 120V through 277V input. Not available on Wall Type D luminaires.



# 941L, 942L & 943L 94 Line series

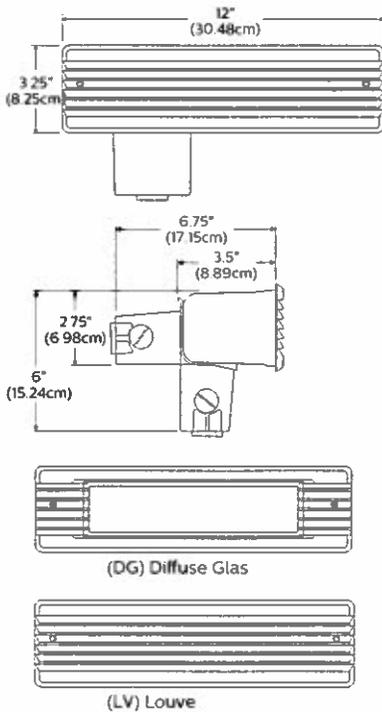
## Landscape

### LED Wattage and Lumen Values

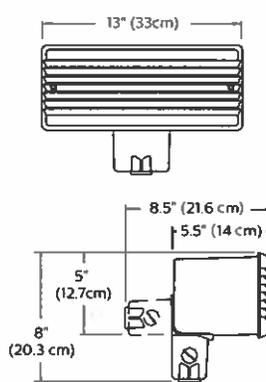
|           | Neutral White |        |         |        |        |         |        |        |        | Cool White |         |        |        |         |        | Warm White |        |        |         |        |        |         |        |        |
|-----------|---------------|--------|---------|--------|--------|---------|--------|--------|--------|------------|---------|--------|--------|---------|--------|------------|--------|--------|---------|--------|--------|---------|--------|--------|
|           | 942-LV        | 942-DG | 942-RGD | 943-LV | 943-DG | 943-RGD | 941-LV | 941-DG | 941-LV | 942-DG     | 942-RGD | 943-LV | 943-DG | 943-RGD | 941-LV | 941-DG     | 942-LV | 942-DG | 942-RGD | 943-LV | 943-DG | 943-RGD | 941-LV | 941-DG |
|           | Lumens        |        |         |        |        |         |        |        |        |            |         |        |        |         |        |            |        |        |         |        |        |         |        |        |
| 36-530-BZ | 178           | 1037   | 344     | 315    | 1037   | 344     | 157    | 794    | 182    | 1061       | 352     | 322    | 1061   | 352     | 161    | 813        | 174    | 1011   | 335     | 307    | 1011   | 335     | 153    | 774    |
| 36-530-WH | 323           | 1202   | 622     | 693    | 1202   | 398     | 455    | 920    | 331    | 1230       | 637     | 709    | 1230   | 408     | 466    | 942        | 315    | 1172   | 606     | 676    | 1172   | 388     | 443    | 897    |
| 36-350-BZ | 122           | 711    | 236     | 216    | 711    | 236     | 108    | 544    | 125    | 727        | 241     | 221    | 727    | 241     | 110    | 557        | 119    | 693    | 230     | 210    | 693    | 230     | 105    | 531    |
| 36-350-WH | 222           | 824    | 426     | 475    | 824    | 273     | 312    | 631    | 227    | 843        | 436     | 486    | 843    | 279     | 319    | 646        | 216    | 803    | 416     | 463    | 803    | 266     | 304    | 615    |
|           | Wattage       |        |         |        |        |         |        |        |        |            |         |        |        |         |        |            |        |        |         |        |        |         |        |        |
| 36-530-BZ | 32            | 32     | 32      | 32     | 32     | 32      | 32     | 32     | 32     | 32         | 32      | 32     | 32     | 32      | 32     | 32         | 32     | 32     | 32      | 32     | 32     | 32      | 32     | 32     |
| 36-530-WH | 32            | 32     | 32      | 32     | 32     | 32      | 32     | 32     | 32     | 32         | 32      | 32     | 32     | 32      | 32     | 32         | 32     | 32     | 32      | 32     | 32     | 32      | 32     | 32     |
| 36-350-BZ | 21            | 21     | 21      | 21     | 21     | 21      | 21     | 21     | 21     | 21         | 21      | 21     | 21     | 21      | 21     | 21         | 21     | 21     | 21      | 21     | 21     | 21      | 21     | 21     |
| 36-350-WH | 21            | 21     | 21      | 21     | 21     | 21      | 21     | 21     | 21     | 21         | 21      | 21     | 21     | 21      | 21     | 21         | 21     | 21     | 21      | 21     | 21     | 21      | 21     | 21     |

1. Wattage may vary by +/- 8% due to LED manufacturer forward volt specification and ambient temperature. Wattage shown is average for 120V through 277V input. Actual wattage may vary by an additional +/- 10% due to actual input voltage.
2. Values shown are for luminaires without the DL options. Contact outdoorlighting applications@philips.com if any approximate estimates are required for design purposes.
3. Lumen values based on tests performed in compliance with IESNA LM-79.

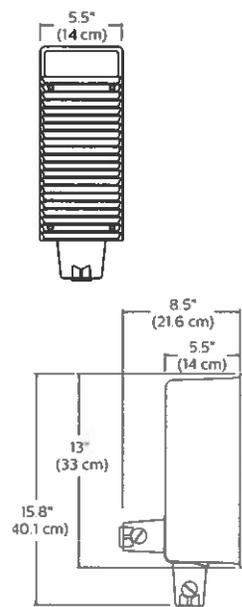
### 941L Dimensions



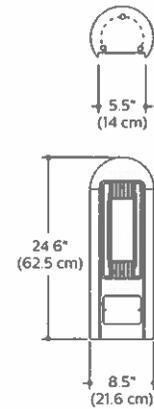
### 942L Dimensions



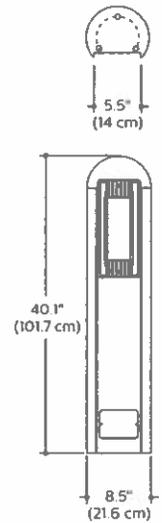
### 943L Dimensions



### 943L-B25



### 943L-B40



# 941L, 942L & 943L 94 Line series

## Landscape

### Specifications

#### General

The Gardco 941L, 942L and 943L recessed aisle lights are architecturally styled luminaires precisely constructed of die cast aluminum, providing light with high performance, long life LED systems. A field adjustable junction box enhances design flexibility. Self-compensating silicone gasketing completely excludes moisture, insects and contaminants. A choice of three (3) architecturally designed faceplates allows for a variety of applications. The ribbed guard faceplate offers vandal protection for glass lenses.

#### Housing

Corrosion-resistant die cast aluminum.

#### Retrofit kits

Retrofit kits are also available, making it possible to update installations of classic 941, 942 and 943 Gardco fluorescent and HID step lights to LED without the need to replace the back housing. Retrofit kits are available in Wall Type "C" only (Concrete Pour.) Retrofit kits are not available for existing Wall Type "D" (Drywall) luminaires. The step light portion of existing 943BL25 and 943BL40 units may be replaced utilizing RK-943L retrofit kits.

#### Faceplate

All faceplates are constructed of one piece die cast aluminum and are secured to the housing with two (2) recessed and captive hex head socket screws. Integral spring clips ensure positive grounding. Self-compensating single-piece silicone gasketing completely seals the luminaire and allows for varying wall thicknesses.

#### Louvers

Die cast span the entire length of the faceplate, providing for vandal resistance and glare control. Louver faceplate include diffuse glass behind the louvers to minimize apparent glare from the luminaire.

#### Diffuse Glass

The faceplate includes a 3/16" thick diffuse white opal flat tempered glass lens. The lens is internally sealed and mounted and provides a soft, uniform glow.

#### Ribbed Guard

The 90° die cast louvers span the entire length of the faceplate over a diffuse glass lens. Not available in the 941L and RK-941L.

#### J-Box

The field convertible junction box is die cast aluminum. It is shipped factory-mounted to the back of housing. The box can be easily positioned on the bottom of the luminaire via two (2) phillips head screws. Each J-box includes three (3) threaded openings (one on each side and one on the bottom) that accommodate 3/4" conduit.

#### Thermal Management

Gardco 94 Line LED step and aisle lights include integral thermal control to provide the excellent thermal management so critical to long LED system life.

#### Electrical

Driver efficiency (>90% standard) 50/60Hz available in 120-277V or 347-480V, open/short circuit protection. RoHS compliant. Surge protector standard. 10KA per ANSI/IEEE C62.41.2.

#### Finish

Each standard color luminaire receives a fade and abrasion resistant, electrostatically applied, thermally cured, triglycidal isocyanurate (TGIC) textured polyester powdercoat finish. Standard colors include bronze (BRP), black (BLP), white (WP), and natural aluminum (NP). Consult factory for specs on optional or custom colors.

#### Labels

All luminaires bear UL or CUL (where applicable) Wet Location labels.

#### Limited Warranty

5-year limited warranty. See [philips.com/warranties](http://philips.com/warranties) for details and restrictions. Visit our eCatalog or contact your local sales representative for more information.

### Predicted Lumen Depreciation Data

| Ambient Temperature °C | System Current | LED Current | Calculated L70hrs <sup>1,2</sup> | L70 per TM21 <sup>3</sup> | Lumen Maintenance @ 60,000hrs |
|------------------------|----------------|-------------|----------------------------------|---------------------------|-------------------------------|
| 25 °C                  | 530 mA         | 132.5 mA    | >100,000                         | >60,000                   | 84%                           |

1. Predicted performance derived from LED manufacturer's data and engineering design estimates, based on IESNA LM-80 methodology. Actual experience may vary due to field application conditions.
2. L70 is the predicted time when LED performance depreciates to 70% of initial lumen output.
3. Calculated per IESNA TM 21-11. Published L70 hours limited to 6 times actual LED test hours.

