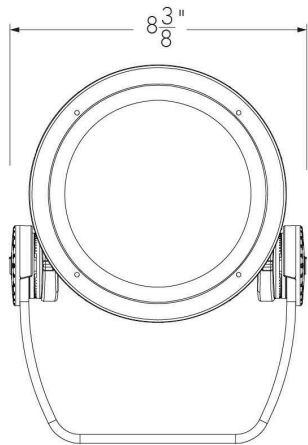


Project Name

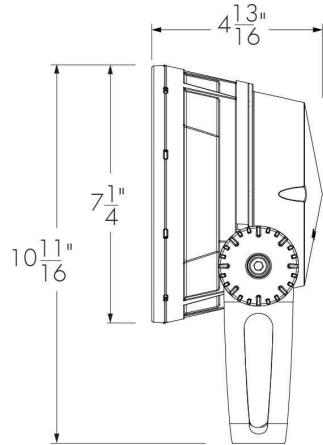
Qty

Type

Catalog / Part Number



Front View



Side View

Photometric Summary

Symmetric

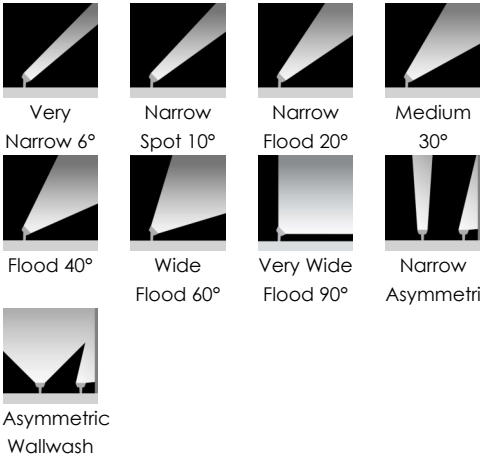
|            | Delivered output (lm) | Intensity (peak cd) |
|------------|-----------------------|---------------------|
| VN (6°)    | 2,023                 | 97,064              |
| NS (10°)   | 1,935                 | 69,153              |
| NF (20°)   | 1,780                 | 14,363              |
| M (30°)    | 1,711                 | 7,910               |
| FL (40°)   | 1,633                 | 4,417               |
| WFL (60°)  | 1,440                 | 1,126               |
| VWFL (90°) | 1,784                 | 925                 |

Asymmetric

|     |       |                |
|-----|-------|----------------|
| NAS | 1,819 | 29,069 (@2.5°) |
| WW  | 1,627 | 7,415 (@5°)    |

1. Based on DWH, full output.
2. Photometric performance is measured in compliance with IESNA LM-79-24.
3. Refer to the [Lumenbeam Dynamic White Photometric Guide](#) on Lumenpulse website for information on other color temperatures.

Optic



Description

The Lumenbeam Medium Dynamic White is an IP66-rated luminaire for lighting landscapes, trees, columns, monuments, and architectural details with a special feature that enables the selection of any color temperature from 2200K to 3000K or from 2700K to 6500K. This dynamic feature gives designers and their clients the freedom to alter the ambiance of a space in response to the time of day or the way a space is used. A number of other options are on offer: optics for flood or accent lighting, as well as accessories, spread lenses, and controls. The luminaire also has an anti-corrosion option for use in harsh, chemical, or coastal environments.

Features

Color and Color Temperature

**DWW:** Dynamic Warm White (2200K to 3000K), **DWH:** Dynamic White (2700K to 6500K)

Optics (Nominal Distribution)

**VN:** VN (6°), **NS:** NS (10°), **NF:** NF (20°), **M:** M (30°), **FL:** FL (40°), **WFL:** WFL (60°), **VWFL:** VWFL (90°), **NAS:** NAS (Narrow Asymmetric), **WW:** WW (Asymmetric Wallwash)

Optical Option

**LSLH:** Linear Spread Lens Horizontal Distribution, **LSLV:** Linear Spread Lens Vertical Distribution

Option

**SY:** Short Yoke, **SRY:** Short Rotational Yoke, **RY:** Rotational Yoke, **3GV:** 3G ANSI C136.31-2010 Vibration Rating for Bridge Applications, **CRC:** Corrosion-Resistant Coating for Hostile Environments

Cable Color

Black, White

Power Consumption

28 W

Warranty

5-year limited warranty

Performance

Maximum Delivered Output

1,566 lm (DWW full output, VN 6°, DMX/RDM)  
2,023 lm (DWH full output, VN 6°, DMX/RDM)

Color and Color Temperature



**D<sub>WW</sub>**  
Dynamic Warm White  
(2200K to 3000K)



**D<sub>WH</sub>**  
Dynamic White  
(2700K to 6500K)

Control

DIM/DTW    DMX/RDM1    DMX/RDM    DALI T8

Ratings

IP66    IK09

Lumencycle™ Program



Certifications





|                                        |                                                                                                                                                                                                                                                                                |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Maximum Delivered Intensity            | 75,128 cd at nadir (DWW full output, VN 6°, DMX/RDM)<br>97,064 cd at nadir (DWH full output, VN 6°, DMX/RDM)                                                                                                                                                                   |
| Illuminance at Distance                | Minimum 1 fc at 275 ft (DWW full output, VN 6°, DMX/RDM)<br>Minimum 1 fc at 313 ft (DWH full output, VN 6°, DMX/RDM)                                                                                                                                                           |
| Lumen Maintenance                      | L70 120,000 hrs (Ta 25 °C)                                                                                                                                                                                                                                                     |
| Physical                               |                                                                                                                                                                                                                                                                                |
| Housing Material                       | Low copper content high pressure die-cast aluminum                                                                                                                                                                                                                             |
| Yoke Material                          | Heavy aluminum (standard yoke included)                                                                                                                                                                                                                                        |
| Lens Material                          | Clear tempered glass                                                                                                                                                                                                                                                           |
| Hardware Material                      | Stainless steel                                                                                                                                                                                                                                                                |
| Gasket Material                        | Silicone                                                                                                                                                                                                                                                                       |
| Surface Finish                         | Electrostatically applied polyester powder coat                                                                                                                                                                                                                                |
| Weight                                 | 6.7 lbs                                                                                                                                                                                                                                                                        |
| EPA                                    | Front = 0.44 ft², Side = 0.18 ft²                                                                                                                                                                                                                                              |
| Electrical and Control                 |                                                                                                                                                                                                                                                                                |
| Voltage                                | 100 to 277 volts                                                                                                                                                                                                                                                               |
| Fixture Cable                          | Power and data in one cable                                                                                                                                                                                                                                                    |
| Conductors                             | 5C #16-5 (DIM/DTW, DALI8 control)<br>6C #14-3/ #24-3 (DMX/RDM1, DMX/RDM control)                                                                                                                                                                                               |
| Control                                | Dim to Warm via 0-10V (2700K to 2200K), Dim to Warm via Single-Channel DMX/RDM (2700K to 2200K), DMX/RDM Enabled 3-Channel Color Temperature Control, DALI 2 T8 Enabled Dimming 0.1%, Lumentalk system is enabled with LDB accessory - see typical wiring diagrams for details |
| Resolution (DMX/RDM)                   | Per fixture, 8-bit or 16-bit                                                                                                                                                                                                                                                   |
| Dynamic Warm Color Temperature Mixing  | 18 LEDs (6x 2200K, 6x 2700K, 6x 3000K)                                                                                                                                                                                                                                         |
| Dynamic White Color Temperature Mixing | 18 LEDs (6x 2700K, 6x 4000K, 6x 6500K)                                                                                                                                                                                                                                         |
| Environmental                          |                                                                                                                                                                                                                                                                                |
| Storage Temperature                    | -40 °F to 158 °F (device must reach start-up temperature value before operating)                                                                                                                                                                                               |
| Start-up Temperature                   | -13 °F to 122 °F                                                                                                                                                                                                                                                               |
| Operating Temperature                  | -40 °F to 122 °F                                                                                                                                                                                                                                                               |
| Ingress Protection Rating              | IP66<br>Wet location rated                                                                                                                                                                                                                                                     |
| Impact Resistance Rating               | IK09                                                                                                                                                                                                                                                                           |

|                        |                                                                                                                                                                                                                                                                                                                                                             |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application Wind Speed | Luminaires were designed based on AASHTO 2018 (50 ft, 150 mph) standard to ensure highest quality and safety. Installation should be validated by a local project engineer to ensure the luminaires are suitable for the wind speed and exposure of the specific application. Consult factory for zones with higher wind speeds or higher mounting heights. |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Accessories (Order Separately)

|                                 |                                                                                                                                                                                      |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Optical Accessories             | Lumenbeam Medium Snoot, Lumenbeam Medium Snoot Wide, Lumenbeam Medium Visor, Lumenbeam Medium Linear Spread Lens Adjustable, Lumenbeam Medium Wire Guard, Lumenbeam Medium Dome Lens |
| Control Boxes                   | DMX/RDM enabled (Daisy Chain or Star Configuration), Ethernet enabled (Daisy Chain or Star Configuration), Lumentalk Data Bridge                                                     |
| Control Systems                 | Pharos® Designer Lighting Control Kit (PHAROS), Pharos® Express Control Kit (EXPERT)                                                                                                 |
| Diagnostic and Addressing Tools | LumenID (LID)                                                                                                                                                                        |

Operation and Maintenance

|                     |                                                                                                                                                                                                                                |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Lumencycle™ Program | Lumencycle-enabled fixtures are designed for serviceability and circular lifecycle management. Lumenpulse will provide factory refurbishment programs, allowing luminaires to be restored and redeployed rather than replaced. |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Important

Virtual Patent Marking Notice

This website (<https://www.lmpg.com/patents-trademarks>) is provided to satisfy the virtual patent marking provisions of applicable jurisdictions. Some products listed may be covered by additional patents not referenced here.

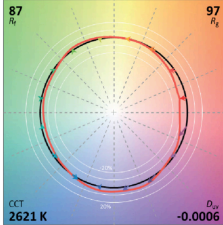
Lumencycle™ Program

Lumencycle is a comprehensive program designed to maximize the life of Lumenpulse fixtures while preserving their performance, quality, and design intent. Built around three pillars—Repair, Restore, and Recycle—the program provides clear pathways to maintain existing installations, restore fixtures, and responsibly manage them at end of life. For full program details, visit <https://www.lumenpulse.com/lumencycle>.

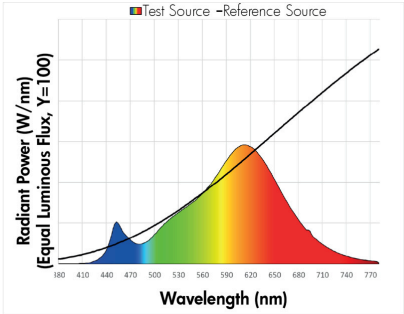
Chromaticity Data

TM-30 - DWW

| CCT         | CIE            |    | TM-30 |                |
|-------------|----------------|----|-------|----------------|
| DWW         | R <sub>a</sub> | 86 | 87    | R <sub>f</sub> |
| Full Output | R <sub>g</sub> | 26 | 97    | R <sub>g</sub> |

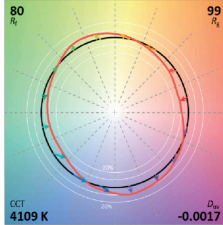


DWW Spectral Power Distribution

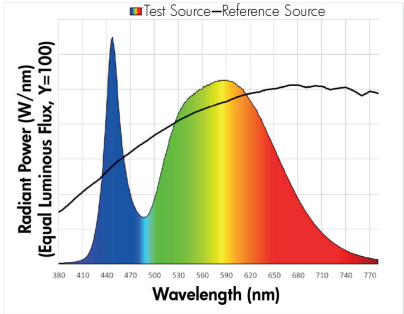


TM-30 - DWH

| CCT         | CIE            |    | TM-30 |                |
|-------------|----------------|----|-------|----------------|
| DWH         | R <sub>a</sub> | 81 | 80    | R <sub>f</sub> |
| Full Output | R <sub>g</sub> | 22 | 99    | R <sub>g</sub> |

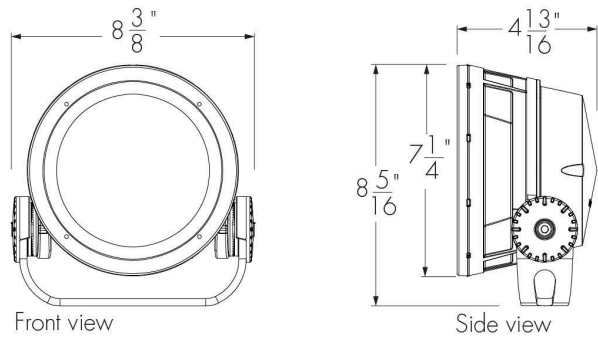


DWH Spectral Power Distribution

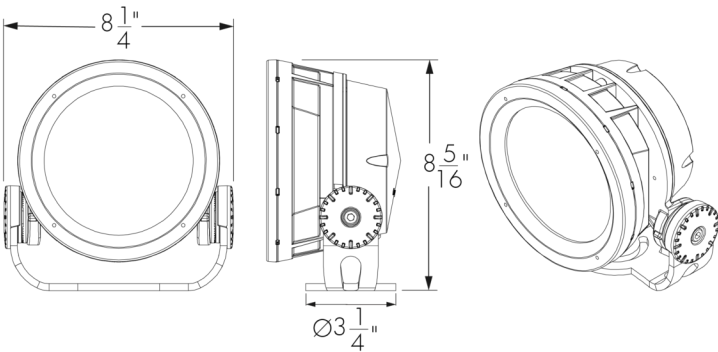


Mounting Options

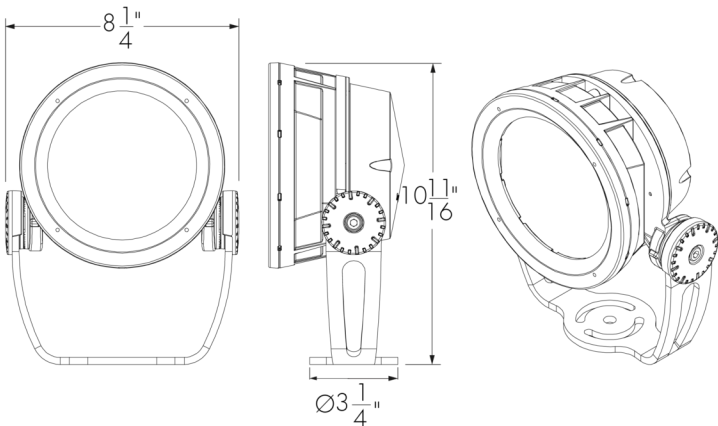
SY - Short Yoke



SRY - Short Rotational Yoke

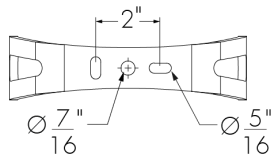


RY - Rotational Yoke



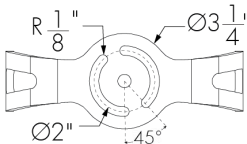
Mounting Details

Mounting Hole Pattern - Standard And Short Yoke



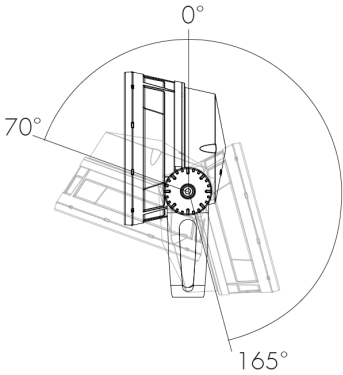
3 bolts are required for wind and vibration resistance, provided by others.

Mounting Hole Pattern - Rotational Yoke

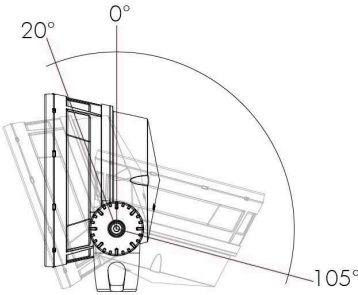


3 bolts are required for wind and vibration resistance, provided by others.

Adjustable Pivot Limits



Standard Yoke



Short Yoke

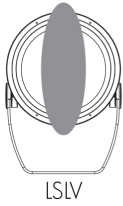
Optical Options

LSLH - Linear Spread Lens Horizontal Distribution



LSLH - Linear spread lens horizontal distribution

LSLV - Linear Spread Lens Vertical Distribution



Beam Angles

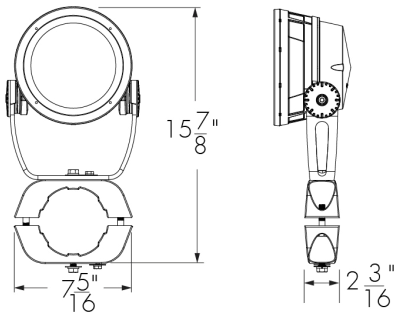
| Optic installed in fixture | Beam angle with LSLH/LSLV |
|----------------------------|---------------------------|
| VN                         | 7° x 60°                  |
| NS                         | 13° x 66°                 |
| NF                         | 16° x 62°                 |
| M                          | 23° x 65°                 |
| FL                         | 33° x 70°                 |

LLF: 0.88\*  
\*LLF may vary slightly by distribution chosen.

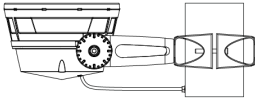
Factory installed, not adjustable on site. Not available for WFL, VWFL, NAS and WW optics.  
See 'Optical Accessories' section for field adjustable spread lens (LSLA).

Mounting Accessories (Order Separately)

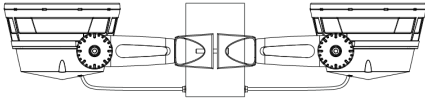
Round Pole Mounting Accessory



PM4 model shown.  
Consult factory for square pole section.



**PM4-1, PM4.5-1, PM5-1** - Round pole mounting accessory - single fixture

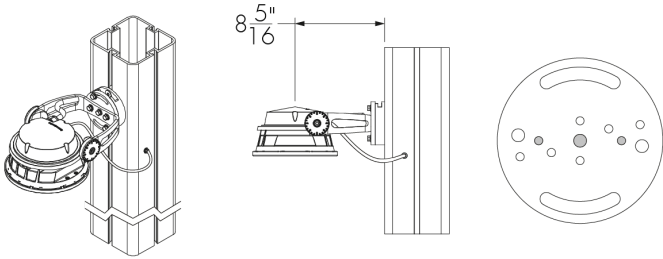


**PM4-2, PM4.5-2, PM5-2** - Round pole mounting accessory - twin fixtures  
\*One bracket assembly is supplied per 2 fixtures unless otherwise specified.

|            | PM4       | PM4.5       | PM5       |
|------------|-----------|-------------|-----------|
| For pole Ø | 4" ± 1/16 | 4.5" ± 1/16 | 5" ± 1/16 |

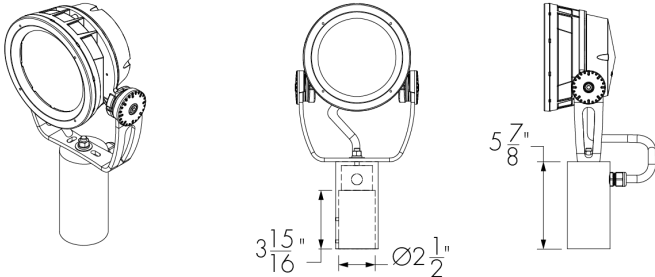
Consult factory for other pole diameters.

**PLTU - Universal Yoke**



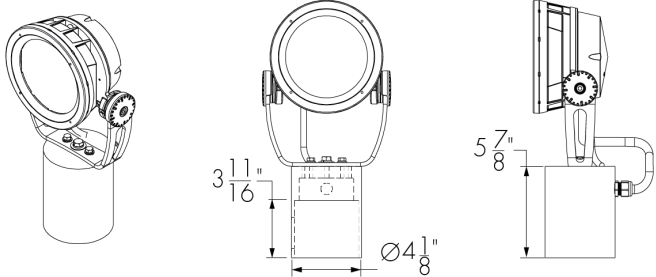
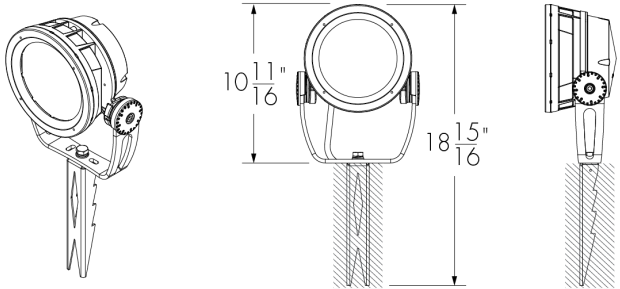
Refer to the Universal Yoke specification sheet and Pole installation instructions for more details. Square Lumentech profile shown. The mounting holes used for this fixture are shown in gray.

**Tenon Adapter**



**TN2** - Tenon adapter to fit on 2 3/8 in O.D. tenon  
Vertical mounting only. Consult factory for horizontal mounting.

**SK - Stake Mounting**

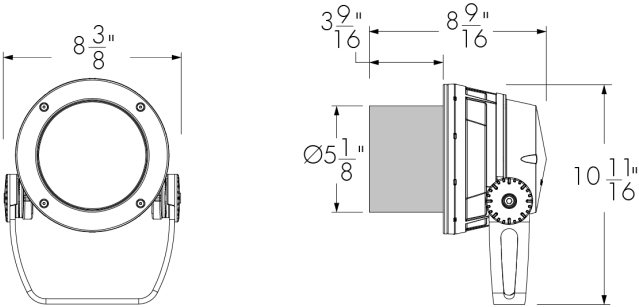


**TN4** - Tenon adapter to fit on 4 in O.D. tenon  
Vertical mounting only. Consult factory for horizontal mounting.

Optical Accessories (Order Separately)

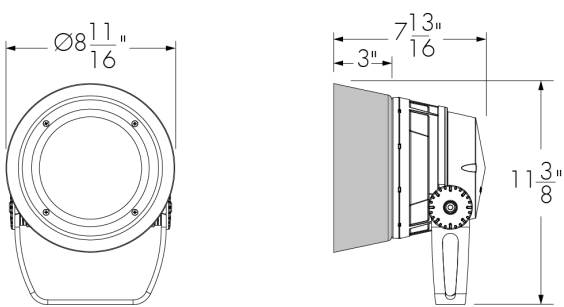
Installed optical accessories will affect the maximum pivot limits for each mounting option, consult factory for details.

SN - Snoot



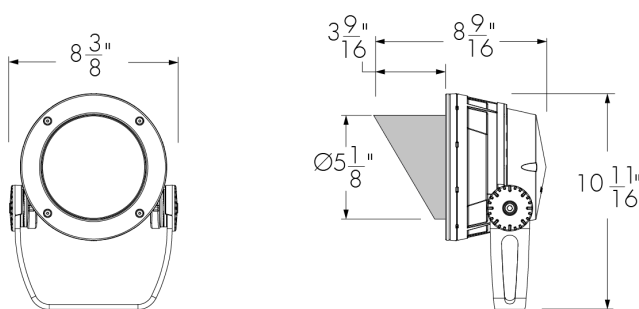
LBMSN-FINISH-BK-OPTIONS (CRC)  
Interior surface painted black. Please specify the exterior **FINISH** from the list of finishes in the fixture order code.

SNW - Snoot Wide



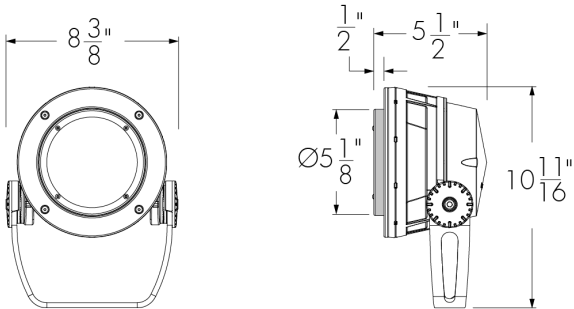
LBMSNW-FINISH-BK-OPTIONS (CRC)  
Interior surface painted black. Please specify the exterior **FINISH** from the list of finishes in the fixture order code.

VS - Visor



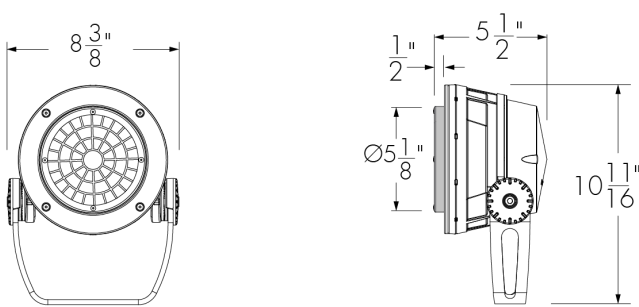
LBMVS-FINISH-BK-OPTIONS (CRC)  
Interior surface painted black. Please specify the exterior **FINISH** from the list of finishes in the fixture order code.

LSLA - Linear Spread Lens Adjustable



LBMLSLA-FINISH-OPTIONS (CRC)  
Please specify the exterior **FINISH** from the list of finishes in the fixture order code.

WG - Wire Guard



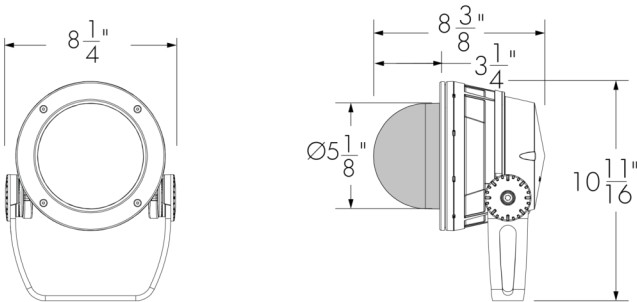
LBMWG-FINISH-OPTIONS (CRC)  
Please specify the exterior **FINISH** from the list of finishes in the fixture order code.

Accessory Combinations

| +                             | Snoot     | Snoot wide | Visor     |
|-------------------------------|-----------|------------|-----------|
| Linear spread lens adjustable | LBMSNLSLA | N/A*       | LBMVSLSLA |
| Wire guard                    | LBMSNWG   | N/A        | LBMVSWG   |

Accessory combinations must be ordered together on a single line.  
Ex: A snoot + wire guard combination order code is LBMSNWG-FINISH-BK-OPTIONS. A maximum of two accessories can be combined per fixture.  
\*Consult factory for a linear spread lens adjustable + snoot wide combination.

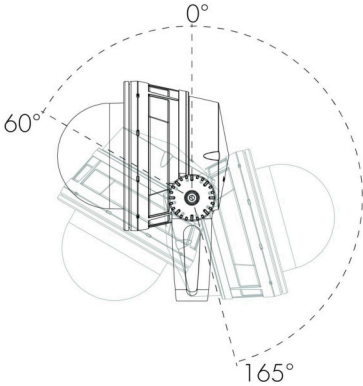
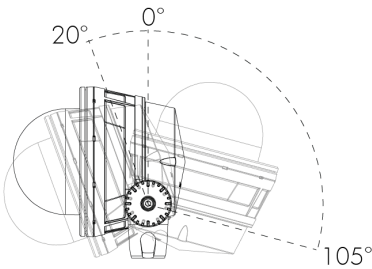
DM - Dome Lens



LBMDM-FINISH-OPTIONS (CRC)  
Please specify the exterior **FINISH** from the list of finishes in the fixture order code.

Dome - Short Yoke - Pivot limits

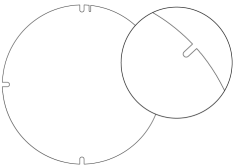
Dome - Standard Yoke - Pivot limits



Dome Lens is available with WFL Optic only. The WFL optic must be specified for the fixture.  
Dome Lens cannot be combined with other optical accessories.  
Dome Lens will affect beam distribution. Consult factory for application support and photometric performance.

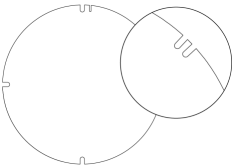
Diffuser Lenses (Intended for Mockup Purposes Only, Order Separately)

Diffuser Lens 1 (1 Notch)



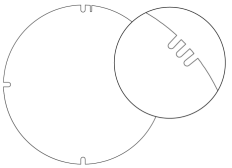
147671

Diffuser Lens 2 (2 Notches)



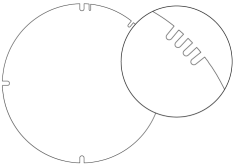
147672

Diffuser Lens 3 (3 Notches)



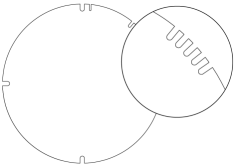
147673

Diffuser Lens 4 (4 Notches)



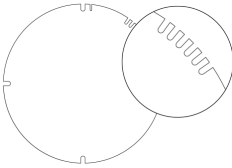
147674

Diffuser Lens 5 (5 Notches)



147675

Diffuser Lens 6 (6 Notches)



147676

Final Distribution Using Diffuser Lenses

|                                  | Final Distribution Using Diffuser Lens |                              |                              |                              |                              |                              |
|----------------------------------|----------------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| Original Distribution on Fixture | Diffuser Lens 1<br>1 Notch             | Diffuser Lens 2<br>2 Notches | Diffuser Lens 3<br>3 Notches | Diffuser Lens 4<br>4 Notches | Diffuser Lens 5<br>5 Notches | Diffuser Lens 6<br>6 Notches |
| XN (4°/5°)                       | VN                                     | NS                           | NF                           | M                            | FL                           | WFL                          |
| VN (6°)                          | NS                                     |                              |                              |                              |                              |                              |
| NS (10°)                         |                                        |                              |                              |                              |                              |                              |
| NF (20°)                         |                                        |                              |                              |                              |                              |                              |
| M (30°)                          |                                        |                              | FL                           | WFL                          |                              |                              |
| FL (40°)                         |                                        |                              |                              |                              |                              |                              |
| WFL (60°)                        |                                        |                              |                              | VWFL                         |                              |                              |
| VWFL (90°)                       |                                        |                              |                              |                              |                              |                              |

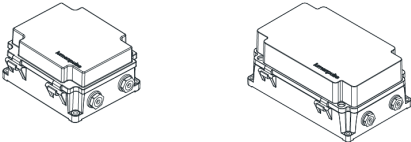
Choose a diffuser lens based on the desired final beam distribution. Refer to the 6-digit part numbers above to order diffuser lenses individually. To order a complete set of 6 diffuser lenses in a bag, refer to the following item names: **LBS**: LBALK-S **LBM/LBMP**: LBALK-M **LBL/LBLP**: LBALK-L **LBG/LBGP**: LBALK-G **LBX/LBXP**: LBALK-X.

The diffuser lenses are intended for mockup purposes only. A lens holder is required to install a diffuser lens on the fixture, order separately using the following names: **LBS**: LBSLSLA-**FINISH**-LBALK **LBM/LBMP**: LBMLSLSLA-**FINISH**-LBALK **LBL/LBLP**: LBLLSLSLA-**FINISH**-LBALK **LBG/LBGP**: LBGLSLA-**FINISH**-LBALK **LBX/LBXP**: LBXLSLA-**FINISH**-LBALK

Please specify the exterior **FINISH** from the list of finishes in the fixture order code.  
Refer to the Diffuser Lens Installation Instructions on the Lumenpulse website for information on installing the diffuser lenses.

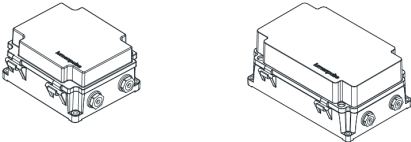
Control Boxes (Order Separately)

CBX-DMX/RDM - DMX/RDM Enabled (Daisy Chain or Star Configuration)



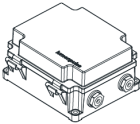
DMX/RDM control box. Up to six power and data outputs to fixtures or fixture runs. Consult CBX specification sheet and installation instructions for details. Lumenterminators provided with CBX (2x for Daisy Chain configuration, 6x for Star configuration), consult factory to order spares.

CBX-ENET - Ethernet Enabled (Daisy Chain or Star Configuration)



Ethernet control box. Up to four power and data outputs to fixture or fixture runs. Consult Ethernet CBX specification sheet and installation instructions for details.

LDB - Lumentalk Data Bridge



Lumentalk Data Bridge, 0-10V or DMX output. Consult LDB specification sheet for details.

Control Systems (Order Separately)

PHAROS - Pharos® Designer Lighting Control Kit



The Pharos Designer Lighting Control Kit, available for 1 or 2 DMX universes, allows for complete control of large lighting installations.

EXPERT - Pharos® Express Control Kit



The Pharos Expert Control Kit, available for 1, 2, 4 or 6 DMX universes, allows for complete control of large lighting installations.

Diagnostic And Addressing Tools (Order Separately)

LID - LumenID



The updated LumenID (LID) is an all-in-one diagnostic and addressing solution for both DMX/RDM and Lumentalk (LT) systems. Engineered for versatility, it streamlines commissioning and troubleshooting across protocols—no need for multiple tools. Cable option may vary; please consult factory. For complete details, refer to the LID specification sheet.

EPA Guide

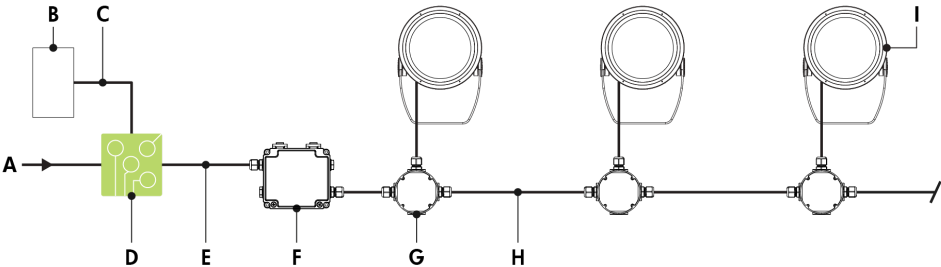
|                   | LBM                                                                                | LBM with Snoot                                                                     | LBM with Visor                                                                     | LBM with Snoot Wide                                                                  | LBM with Dome Lens                                                                   |
|-------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|                   |  |  |  |  |  |
| EPA front (sq ft) | 0.437                                                                              | 0.437                                                                              | 0.437                                                                              | 0.578                                                                                | 0.437                                                                                |
| EPA side (sq ft)  | 0.178                                                                              | 0.317                                                                              | 0.317                                                                              | 0.301                                                                                | 0.214                                                                                |

Typical Wiring Diagrams

Wiring Color Code

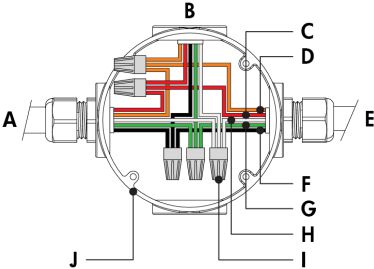
| UL Color Code | USE                          |
|---------------|------------------------------|
| Green         | Ground                       |
| Black         | Line                         |
| White         | Line/Neutral                 |
| Red or Purple | 0-10V / Data +               |
| Orange        | 0-10V / Data -               |
| Gray          | Signal common (DMX/RDM only) |

Lumentalk (LT)



- A - Power input (100-277V AC, wiring by others)
- B - DMX/RDM controller (order separately from Lumenpulse, or by others)
- C - Data wiring (by others)
- D - Lumentranslator 2 (LTL2-DMX)
- E - Power wiring (by others)
- F - Lumentalk Data Bridge (LDB-DMX)
- G - Junction box (by others)
- H - Power and data wiring (by others)
- I - Lumenbeam Medium

Lumentalk (LT) - Wiring Detail Using LDB

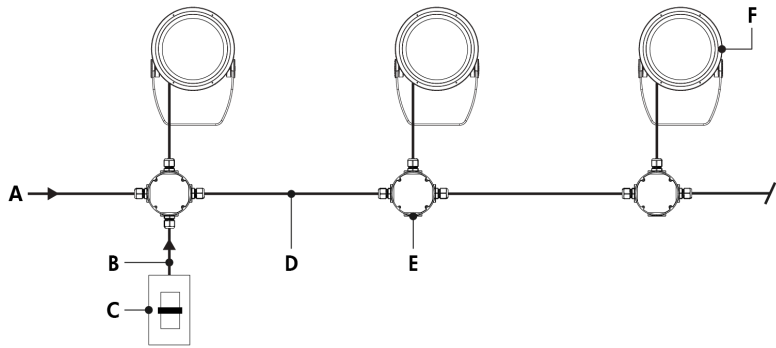


- A - From Lumentalk Data Bridge (control over power line via Lumentalk system) or from previous fixture
- B - To fixture
- C - 0-10 V + / Data +
- D - 0-10 V - / Data -
- E - To next fixture
- F - Line
- G - Ground
- H - Line/Neutral
- I - Wire-nut (by others)
- J - Junction box (by others)

- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- Lumentalk Data Bridge required for Lumentalk system, see LDB installation instructions for details. Fixtures must be specified as DMX/RDM and the Lumentalk Data Bridge must be specified as DMX. 2-step commissioning process: 1 - DMX/RDM system using LumenID software and a LID, 2 - Lumentalk system using LumentalkID software and a LID. Consult factory for details.
- Maximum of 32 fixtures per LDB-DMX. Consult factory for details.
- 1 DMX controller per Lumentalk network, maximum of 48 DMX channels per Lumentalk network (minimum step transition update rate is 1 second, minimum fade time between two colors is 1 minute). Consult factory for applications that require additional capabilities.
- Maximum of 1 transmitter (Lumentranslator or Lumenlink) per system.
- No third party fixtures allowed on the same circuit.
- 28 watts per fixture.

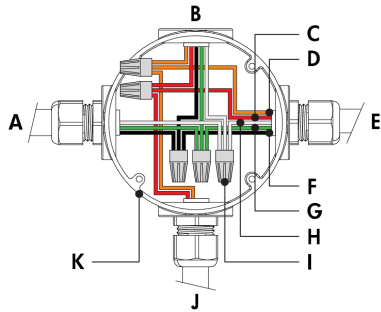
Dim to Warm Via 0-10V (DIM/DTW\*)

\*Available For DWW Version Only, 2700K to 2200K



- A - Power input (100-277V AC, wiring by others)
- B - Data wiring (by others)
- C - Dimmer (by others)
- D - Power and data wiring (by others)
- E - Junction box (by others)
- F - Lumenbeam Medium

Dim to Warm Via 0-10V (DIM/DTW) - Wiring Detail

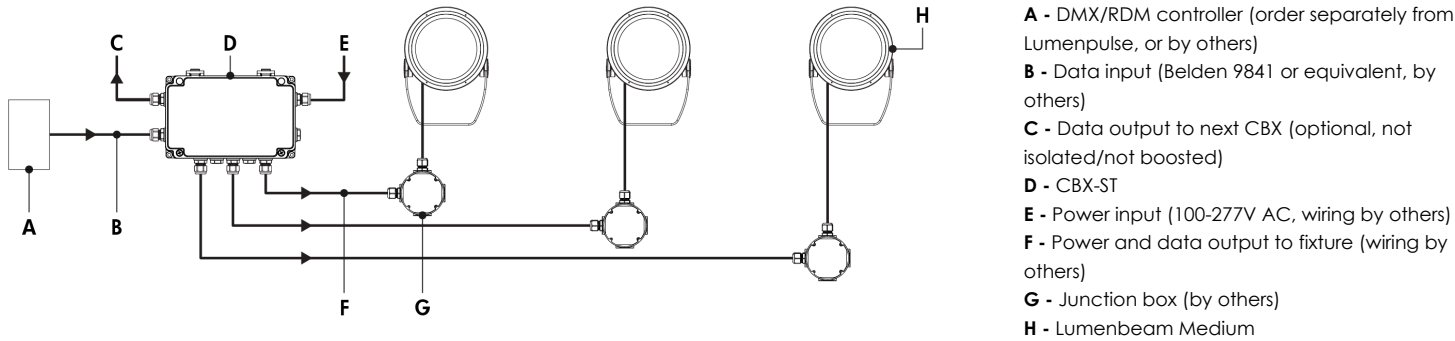


- A - Power input or from previous fixture
- B - To fixture
- C - 0-10 V +
- D - 0-10 V -
- E - To next fixture
- F - Line
- G - Ground
- H - Neutral
- I - Wire-nut (by others)
- J - From dimmer (by others)
- K - Junction box (by others)

- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- 0-10V mA ratings: passive dimmer (Current Sink): 3mA per fixture, active dimmer (Current Source): 0.5mA per fixture.
- 28 watts per fixture.

Star Layout (Dim to Warm Via DMX/RDM1\* or 3-Channel DMX/RDM)

\*Available For DWW Version Only, 2700K To 2200K



Star Layout (DMX/RDM1 or DMX/RDM) - Wiring Detail



Maximum Fixture Count Per Run

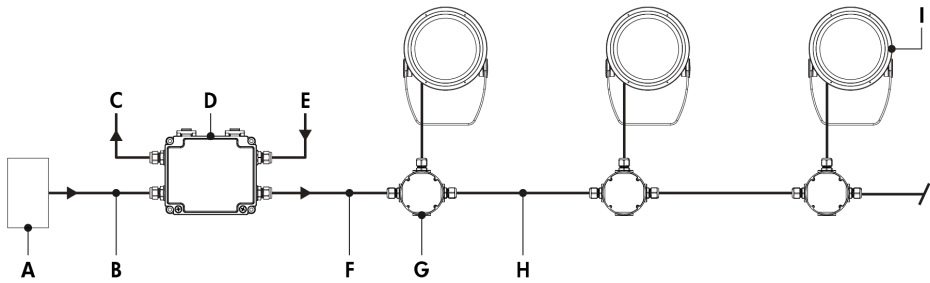
| Configuration/Voltage | 120V | 208V | 240V | 277V |
|-----------------------|------|------|------|------|
| LBM                   | 29   | 32   | 32   | 32   |

Based on 15A maximum, 16AWG cable, fixtures spaced 10 ft on center, first fixture 50 ft from CBX.

- Consult CBX installation instructions for additional wiring details.
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- The DMX/RDM protocol states a maximum of 32 DMX/RDM enabled fixtures on any single run.
- Maximum of 4 DMX/RDM repeaters/CBX cascading in line.
- Maximum of 6 outputs per CBX-ST.
- DMX/RDM1 control option requires 1 DMX address. DMX/RDM control option requires 3 DMX addresses.
- DMX terminator is required at the end of each run to maintain data integrity. Six (6x) DMX lumenterminators included per CBX-ST. See installation instructions for details.
- 28 watts per fixture.

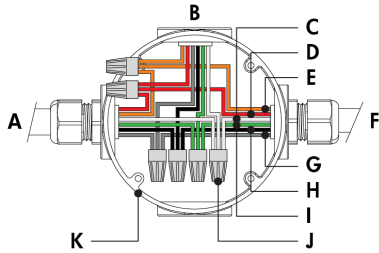
Daisy Chain Layout (Dim to Warm Via DMX/RDM1\* or 3-Channel DMX/RDM)

\*Available for DWW Version Only, 2700K to 2200K



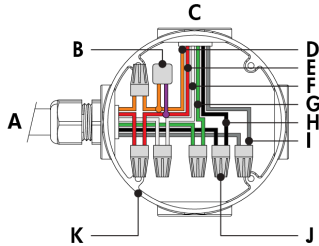
- A - DMX/RDM controller (order separately from Lumenpulse, or by others)
- B - Data input (Belden 9841 or equivalent, by others)
- C - Data output to next CBX (optional, not isolated/not boosted)
- D - CBX-DS
- E - Power input (100-277V AC, wiring by others)
- F - Power and data output to fixture (wiring by others)
- G - Junction box (by others)
- H - Power and data wiring (by others)
- I - Lumenbeam Medium

Daisy Chain Layout (DMX/RDM1 or DMX/RDM) - Wiring Detail (First or Middle of Run)



- A - From CBX or previous fixture
- B - To fixture
- C - Neutral
- D - Data +
- E - Data -
- F - To next fixture
- G - Signal common
- H - Line
- I - Ground
- J - Wire-nut (by others)
- K - Junction box (by others)

Daisy Chain Layout (DMX/RDM1 or DMX/RDM) - Wiring Detail (End of Run)



- A - From CBX or previous fixture
- B - Lumenterminator
- C - To fixture
- D - Data -
- E - Data +
- F - Neutral
- G - Ground
- H - Line
- I - Signal common
- J - Wire-nut (by others)
- K - Junction box (by others)

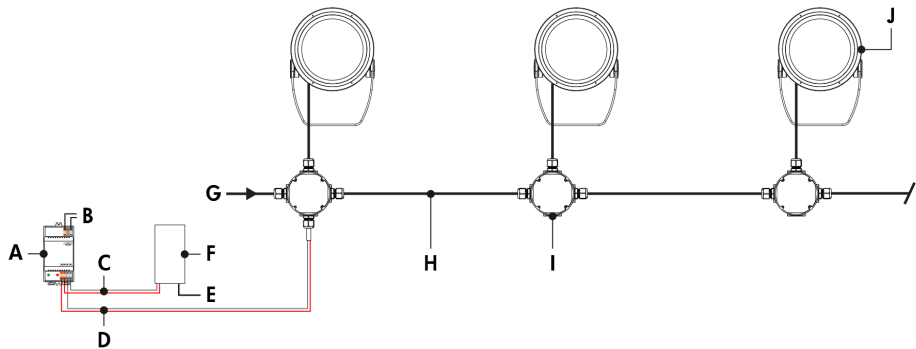
Maximum Fixture Count Per Run

| Configuration/Voltage | 120V | 208V | 240V | 277V |
|-----------------------|------|------|------|------|
| LBM                   | 29   | 32   | 32   | 32   |

Based on 15A maximum, 16AWG cable, fixtures spaced 10 ft on center, first fixture 50 ft from CBX.

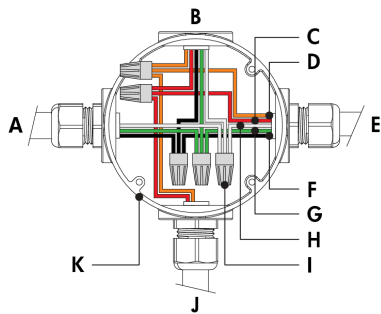
- Consult CBX installation instructions for additional wiring details.
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- The DMX/RDM protocol states a maximum of 32 DMX/RDM enabled fixtures on any single run.
- Maximum of 4 DMX/RDM repeaters/CBX cascading in line.
- Maximum of 1 output per CBX-DS.
- Maximum of 3 ft cable length between fixture and next junction box for daisy chain layout.
- DMX/RDM1 control option requires 1 DMX address. DMX/RDM control option requires 3 DMX addresses.
- DMX terminator is required at the end of each run to maintain data integrity. Two (2x) DMX lumenterminators included per CBX-DS. See installation instructions for details.
- 28 watts per fixture.

DALI 2 T8 (DALIT8)



- A - DALI bus power supply (by others)
- B - Power input for DALI bus power supply (wiring by others)
- C - Data output to DALI controller (wiring by others)
- D - Data output to fixture (wiring by others)
- E - Power input for DALI controller (if required, wiring by others)
- F - DALI controller (by others)
- G - Power input (100-277V AC, wiring by others)
- H - Power and data wiring (by others)
- I - Junction box (by others)
- J - Lumenbeam Medium

DALI 2 T8 (DALIT8) - Wiring Detail



- A - Power input or from previous fixture
- B - To fixture
- C - DA +
- D - DA -
- E - To next fixture
- F - Line
- G - Ground
- H - Neutral
- I - Wire-nut (by others)
- J - From DALI controller (by others)
- K - Junction box (by others)

- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- Maximum of 64 DALI fixtures per DALI loop.
- The Lumenbeam responds to RGBWAF controls.
- Commissioning may be required based on the selection of 3rd party DALI controller. Controller and commissioning provided by others.
- 28 watts per fixture.

How to Order

| Housing                     | Voltage          | Color and Color Temperature                   | Optic                           | Optical Option<br>(3) (5)                              | Finish                                  | Control (9) (11)                                                                   | Option                                            | Certification                                       | Cable Length<br>(13) (18) | Cable Color | Buy American Act              |
|-----------------------------|------------------|-----------------------------------------------|---------------------------------|--------------------------------------------------------|-----------------------------------------|------------------------------------------------------------------------------------|---------------------------------------------------|-----------------------------------------------------|---------------------------|-------------|-------------------------------|
| LBM<br>Lumenbeam™<br>Medium | 100<br>100 Volts | DWW<br>Dynamic Warm White<br>(2200K to 3000K) | VN<br>Very Narrow 6° (1)        | LSLH<br>Linear Spread Lens Horizontal Distribution (4) | BK<br>Black Sandtex®                    | DIM/DTW<br>Dim to Warm via 0-10V (2700K to 2200K) (10)                             | SY<br>Short Yoke                                  | UL<br>UL Compliant                                  | 3FT<br>3 ft (13) (18)     | BK<br>Black | BAA<br>Buy American (19) (20) |
|                             | 120<br>120 Volts |                                               | NS<br>Narrow Spot 10° (1)       |                                                        | BRZ<br>Bronze Sandtex®                  | SRY<br>Short Rotational Yoke                                                       | CE<br>CE Compliant (17)                           | 10FT<br>10 ft                                       | WH<br>White (19)          |             |                               |
|                             | 208<br>208 Volts | DWH<br>Dynamic White (2700K to 6500K)         | NF<br>Narrow Flood 20° (1)      |                                                        | SI<br>Silver Sandtex®                   | DMX/RDM1<br>Dim to Warm via Single-Channel DMX/RDM (2700K to 2200K) (10) (12) (13) | RY<br>Rotational Yoke                             | CEII<br>CE Compliant Class II Double Insulated (17) | 20FT<br>20 ft             |             |                               |
|                             | 220<br>220 Volts |                                               | M<br>Medium 30° (1)             |                                                        | WH<br>Smooth White                      | 3GV<br>3G ANSI C136.31-2010 Vibration Rating for Bridge Applications               | CE<br>CE Compliant Class II Double Insulated (17) | 30FT<br>30 ft                                       |                           |             |                               |
|                             | 240<br>240 Volts |                                               | FL<br>Flood 40° (1)             |                                                        | BKTX<br>Textured Black                  | DMX/RDM<br>3-Channel Color Temperature Control via DMX/RDM (12) (13)               | CRC<br>Corrosion-Resistant Coating (15) (16)      | 50FT<br>50 ft                                       |                           |             |                               |
|                             | 277<br>277 Volts |                                               | WFL<br>Wide Flood 60° (1) (2)   |                                                        | BRZTX<br>Textured Bronze Non-Metallic   | DALIT8<br>DALI 2 T8 Enabled Dimming 0.1% (14)                                      |                                                   | 70FT<br>70 ft                                       |                           |             |                               |
|                             |                  |                                               | VWFL<br>Very Wide Flood 90° (1) |                                                        | GRATX<br>Textured Medium Gray           |                                                                                    |                                                   | 100FT<br>100 ft                                     |                           |             |                               |
|                             |                  |                                               | NAS<br>Narrow Asymmetric (1)    |                                                        | GRNTX<br>Textured Green                 |                                                                                    |                                                   |                                                     |                           |             |                               |
|                             |                  |                                               | WW<br>Asymmetric Wallwash (1)   |                                                        | WHTX<br>Textured White                  |                                                                                    |                                                   |                                                     |                           |             |                               |
|                             |                  |                                               |                                 |                                                        | CC<br>Custom Color & Finish (6) (7) (8) |                                                                                    |                                                   |                                                     |                           |             |                               |
|                             |                  |                                               |                                 |                                                        |                                         |                                                                                    |                                                   |                                                     |                           |             |                               |
|                             |                  |                                               |                                 |                                                        |                                         |                                                                                    |                                                   |                                                     |                           |             |                               |
|                             |                  |                                               |                                 |                                                        |                                         |                                                                                    |                                                   |                                                     |                           |             |                               |
|                             |                  |                                               |                                 |                                                        |                                         |                                                                                    |                                                   |                                                     |                           |             |                               |
|                             |                  |                                               |                                 |                                                        |                                         |                                                                                    |                                                   |                                                     |                           |             |                               |
|                             |                  |                                               |                                 |                                                        |                                         |                                                                                    |                                                   |                                                     |                           |             |                               |

Notes:

1. Factory installed, not interchangeable on site.

2. A dome lens accessory is available, order separately. For compatibility, a WFL optic must be specified for the fixture.

3. Optical options are factory installed and cannot be changed in the field.

4. Field adjustable spread lens optical accessory available, order separately.

5. Not available with WFL, VWFL, NAS and WW optics.

6. Lumenpulse offers a wide selection of RAL CLASSIC (K7) colors with a smooth texture and high-gloss finish. Please consult factory for a list of available K7 colors, other RAL textures and glosses, or to match alternate color charts. Final color matching results may vary.

7. Setup charges apply for RAL colors. Consult factory for details.

8. Longer lead times can be expected for custom RAL color finishes.

9. Lumentalk system is enabled with LDB-DMX accessory. DMX/RDM must be specified in the order code. See the typical wiring diagrams in the specification sheet for details.
10. Available for DWW color temperature option only.

11. A Lumentranslator 2 (LTL2) and LumenID (LID) must be specified for Lumentalk applications. Consult Lumentranslator 2 and Lumentalk pages and specification sheets for details.

12. A control box (CBX) and LumenID (LID) must be specified.

13. Maximum of 3 ft cable length for daisy chain DMX applications with CBX-DS.

14. DALI 2 T8 controller required, provided by others. DALI 2 T8 control uses a single DALI short address.

15. Use only when exposed to salt spray. This option is not required for normal outdoor exposure.

16. Setup charges apply. Consult factory for details.

17. Consult European specification sheets and installation instructions for CE and CE Class II wiring information.

18. 3 ft cable length is standard unless otherwise specified.

19. Not available with CE or CEII certification options.

20. Contact your Lumenpulse Sales Representative for more information on order volume details.