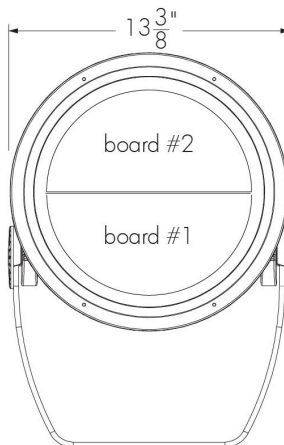
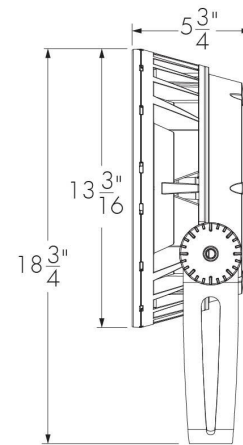


Project Name _____ Qty _____

Type _____ Catalog / Part Number _____



Front view



Side view

Photometric Summary (Discrete)

Symmetric

| | Delivered output (lm) | Intensity (peak cd) |
|------------------|-----------------------|---------------------|
| XN (3°) | 4,669 | 430,170 |
| VN (6°) | 5,079 | 351,460 |
| NS (10°) | 5,049 | 189,556 |
| NF (20°) | 4,425 | 37,332 |
| M (30°) | 4,483 | 18,931 |
| FL (40°) | 4,465 | 12,309 |
| WFL (60°) | 4,599 | 4,775 |

Asymmetric

| | | |
|------------|-------|----------------|
| NAS | 3,829 | 63,368 (@2.5°) |
| WW | 4,303 | 18,755 (@5°) |

Based on RGBW40K full output, DMX/RDM configuration. Photometric performance is measured in compliance with IESNA LM-79-08.

Photometric Summary (Opticolor™)

Symmetric

| | Delivered output (lm) | Intensity (peak cd) |
|------------------|-----------------------|---------------------|
| NS (10°) | 3,475 | 48,315 |
| NF (20°) | 3,550 | 25,401 |
| M (30°) | 3,540 | 14,721 |
| FL (40°) | 3,584 | 8,351 |
| WFL (60°) | 3,588 | 3,238 |

Based on MRGBV40K full output, DMX/RDM configuration. Photometric performance is measured in compliance with IESNA LM-79-08.

Description

The Lumenbeam Grande Colour Changing is an IP66-rated luminaire for lighting landscapes, trees, columns, monuments, and architectural details. The system offers numerous options including optics for flood or accent lighting, a choice of color mixing, as well as various accessories, spread lenses, and controls. The luminaire also has an anti-corrosion option for use in harsh, chemical, or coastal environments.

Features

Colors and Color Temperature (Discrete) RGB, RGB + White 3000K, RGB + White 4000K, RGB + Amber

Colors and Color Temperature (Opticolor™) Opticolor Cluster with MRGBW (Red, Green, Blue, White 3000K)

Opticolor Cluster with MRGBW (Red, Green, Blue, White 4000K)

Opticolor Cluster with MRGBA (Red, Green, Blue, Amber) MRGBW30K and MRGBW40K can be configured to MRGB via RDM (consult factory for more details)

Optics (Nominal Distribution) XN (3° or 5°), VN (6°), NS (10°), NF (20°), M (30°), FL (40°), WFL (60°), NAS (Narrow Asymmetric), WW (Asymmetric Wallwash)

Optical Option Linear Spread Lens Horizontal Distribution, Linear Spread Lens Vertical Distribution

Option Short Yoke
3G ANSI C136.31-2010 Vibration Rating for Bridge Applications
Corrosion-resistant Coating for Hostile Environments

Cable Color Black, White

Power Consumption 86 to 100 W (see Power Consumption table for details)

Warranty 5-year limited warranty

Optic



Extra Narrow 3° or 5° Very Narrow 6° Narrow Spot 10° Narrow Flood 20°

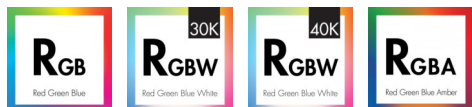


Medium 30° Flood 40° Wide Flood 60° Narrow Asymmetric



Asymmetric Wallwash

Color and Color Temperature



Control



Ratings

IP66 IK09

Certifications



Performance

| | |
|---|---|
| Maximum Delivered Output (Discrete) | 5,143 lm (RGB full output, VN 6°, DMX/RDM) 4,977 lm (RGBW30K full output, VN 6°, DMX/RDM) 5,079 lm (RGBW40K full output, VN 6°, DMX/RDM) 4,149 lm (RGBA full output, VN 6°, DMX/RDM) |
| Maximum Delivered Output (Opticolor™) | 3,516 lm (MRGBW30K full output, WFL 60°, DMX/RDM) 3,588 lm (MRGBW40K full output, WFL 60°, DMX/RDM) 3,158 lm (MRGBA full output, WFL 60°, DMX/RDM) |
| Maximum Delivered Intensity (Discrete) | 357,498 cd at nadir (RGB full output, XN 5°, DMX/RDM) 421,567 cd at nadir (RGBW30K full output, XN 3°, DMX/RDM) 430,170 cd at nadir (RGBW40K full output, XN 3°, DMX/RDM) 351,449 cd at nadir (RGBA full output, XN 3°, DMX/RDM) |
| Maximum Delivered Intensity (Opticolor™) | 47,349 cd at nadir (MRGBW30K full output, NS 10°, DMX/RDM) 48,315 cd at nadir (MRGBW40K full output, NS 10°, DMX/RDM) 42,517 cd at nadir (MRGBA full output, NS 10°, DMX/RDM) |
| Illuminance at Distance (Discrete) | Minimum 1 fc at 600 ft (RGB full output, XN 5°, DMX/RDM) Minimum 1 fc at 652 ft (RGBW30K full output, XN 3°, DMX/RDM) Minimum 1 fc at 659 ft (RGBW40K full output, XN 3°, DMX/RDM) Minimum 1 fc at 595 ft (RGBA full output, XN 3°, DMX/RDM) |
| Illuminance at Distance (Opticolor™) | Minimum 1 fc at 218 ft (MRGBW30K full output, NS 10°, DMX/RDM) Minimum 1 fc at 221 ft (MRGBW40K full output, NS 10°, DMX/RDM) Minimum 1 fc at 207 ft (MRGBA full output, NS 10°, 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 | 24 lbs |
| EPA | Front = 1.12 sq ft, Side = 0.34 sq ft |
| Electrical and Control | |
| Voltage | 100 to 277 volts |
| Fixture Cable | Power and data in one cable |
| Conductors | 3C #16-3 (LT control), 5C #16-5 (DALI8 control), 6C #14-3/ #24-3 (DMX/RDM control) |
| Control | Lumentalk, DMX/RDM enabled, DALI 2 T8 Control |
| Resolution (DMX/RDM) | Per board or fixture (configured with LumenID V3 software), 8-bit or 16-bit, 3 channels (RGB) or 4 channels (RGBW30K, RGBW40K and RGBA) |

| | |
|------------------------------|--|
| RGB Color Mixing | 72 LEDs (12x Red, 12x Green, 12x Blue per board) |
| RGBW30K Color Mixing | 48 LEDs (6x Red, 6x Green, 6x Blue, 6x White 3000K per board) |
| RGBW40K Color Mixing | 48 LEDs (6x Red, 6x Green, 6x Blue, 6x White 4000K per board) |
| RGBA Color Mixing | 48 LEDs (6x Red, 6x Green, 6x Blue, 6x Amber per board) |
| MRGBW30K Color Mixing | 96 LEDs in 24 clusters (12 clusters per boards; 1x Red, 1x Green, 1x Blue, 1x White 3000K per cluster), Consult factory for more color and CCT options available |
| MRGBW40K Color Mixing | 96 LEDs in 24 clusters (12 clusters per board; 1x Red, 1x Green, 1x Blue, 1x White 4000K per cluster), Consult factory for more color and CCT options available |
| MRGBA Color Mixing | 96 LEDs in 24 clusters (12 clusters per board; 1x Red, 1x Green, 1x Blue, 1x Amber per cluster), Consult factory for more color and CCT options available |

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 Wet location rated |
| Impact Resistance Rating | IK09 |
| Application Wind Speed | Luminaires were designed based on AASHTO 2013 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 |

Accessories (Order Separately)

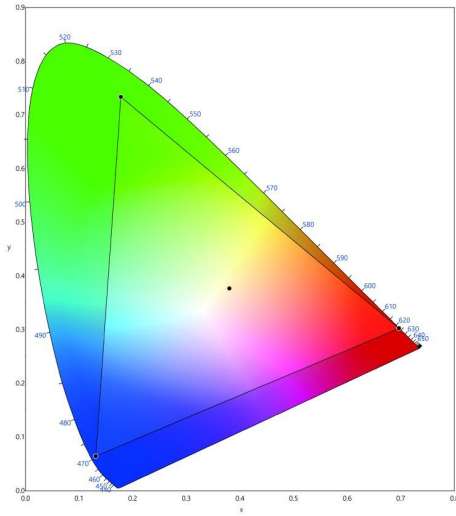
| | |
|--|---|
| Optical Accessories | Snoot, Snoot wide, Visor, Linear spread lens adjustable, Wire guard |
| Control Boxes | DMX/RDM enabled (daisy chain or star configuration), Ethernet enabled (daisy chain or star configuration) |
| Control Systems | Lumentone™ 2 (LTN2), Pharos® kit (PHAROS) |
| Diagnostic and Addressing Tools | LumenID (LID), LumentalkID (LIDLTL) |

Power Consumption

| Control Option | Color and Color Temperature | Optic | Wattage (W) |
|------------------------|-----------------------------|-----------------------|-------------|
| LT DMX/RDM DALI8 | RGB | XN/NAS | 100 |
| | | VN/NS/NF/M/FL/WFL/WWW | 86 |
| LT DMX/RDM DALI8 | RGBW, MRGBW | XN/NAS | 96 |
| | | VN/NS/NF/M/FL/WFL/WWW | 90 |

Color Point Information

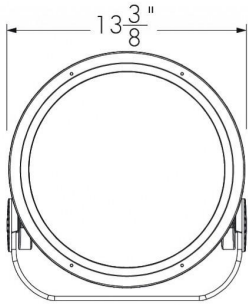
MRGBW40K



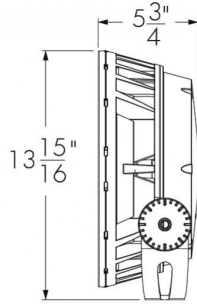
Red: 620-625nm
Green: 528-533nm
Blue: 465-470nm

Mounting Options

SY - Short Yoke



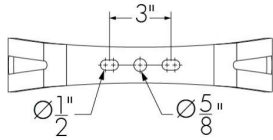
Front view



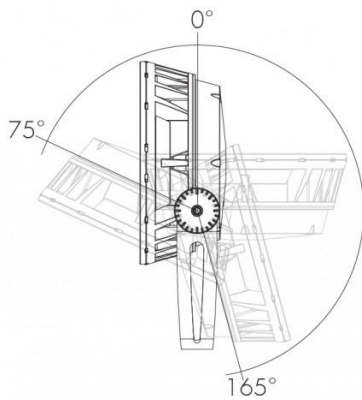
Side view

Mounting Details

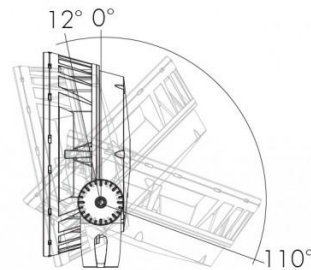
Mounting Hole Pattern - Standard And Short Yoke



Adjustable Pivot Limits (Adjustable In 6 Degree Increments)



Standard yoke



Short yoke

Optical Options – Discrete

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 |
|----------------------------|---------------------------|
| XN | 5° x 60° |
| VN | 8° x 50° |
| NS | 9° x 56° |
| NF | 17° x 57° |
| M | 27° x 68° |
| FL | 37° x 74° |

LLF: 0.88*

*LLF may vary slightly by distribution chosen.

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

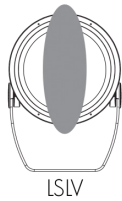
Optical Options - Opticolor™

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 |
|----------------------------|---------------------------|
| NS | 13° x 60° |
| NF | 19° x 66° |
| M | 23° x 55° |
| FL | 32° x 60° |

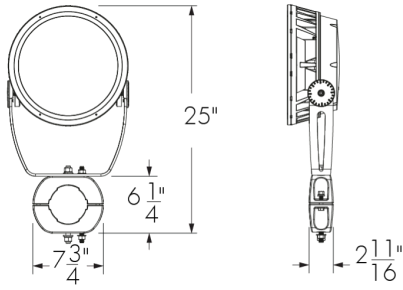
LLF: 0.88*

*LLF may vary slightly by distribution chosen.

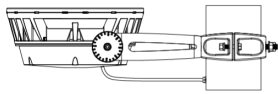
Factory installed, not adjustable on site. See 'Optical Accessories' section for field adjustable spread lens (LSLA).

Mounting Accessories (Order Separately)

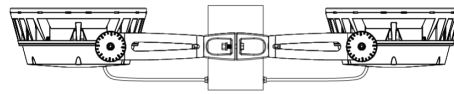
Round Pole Mounting Accessory



PM4 model shown.
Consult factory for square pole section.



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

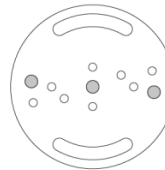
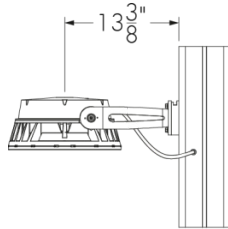
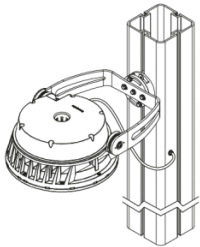


PM4-5, PM4.5-2, PM5-2 - Round pole mounting accessory - twin fixtures
*One bracket assembly is supplied per 2 fixtures unless otherwise specified.

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

Consult factory for other pole diameters.

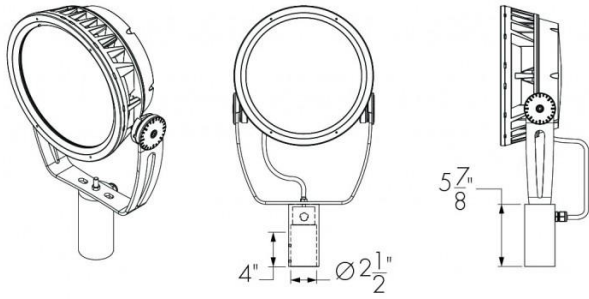
PLTU - Universal Yoke



Refer to the Universal Yoke specification sheet and Pole installation instructions for more details. Square Lumentech profile shown.

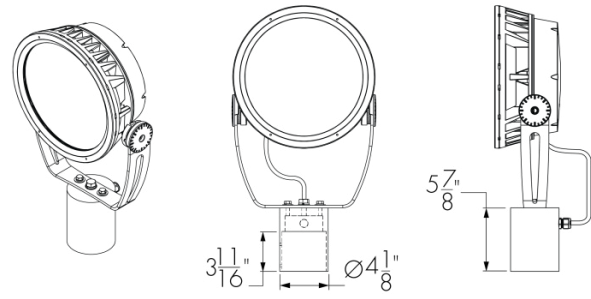
The mounting holes used for this fixture are shown in gray.

Tenon Adapter



TN2 - Tenon adapter to fit on 2 3/8 in O.D. tenon

Vertical mounting only. Consult factory for horizontal mounting.



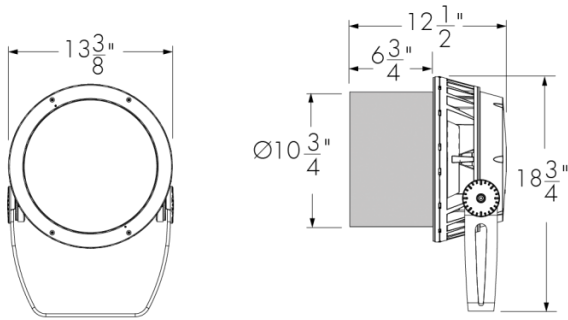
TN4 - Tenon adapter to fit on 4 in O.D. tenon

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.

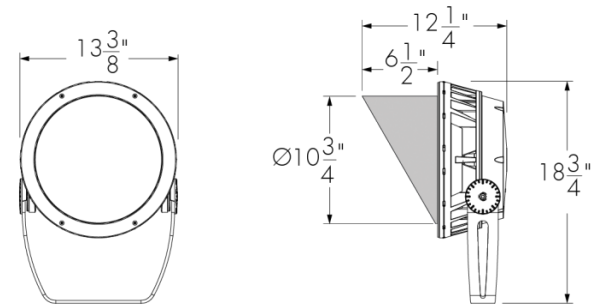
SN - Snoot



LBGSN-FINISH-BK-OPTIONS (CRC)

Interior surface painted black. Please specify the exterior **FINISH** from the list of finishes in the fixture order code.

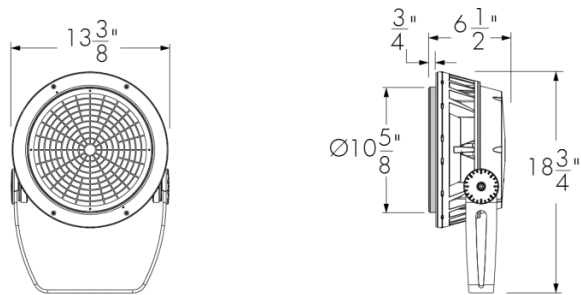
VS - Visor



LBGVS-FINISH-BK-OPTIONS (CRC)

Interior surface painted black. Please specify the exterior **FINISH** from the list of finishes in the fixture order code.

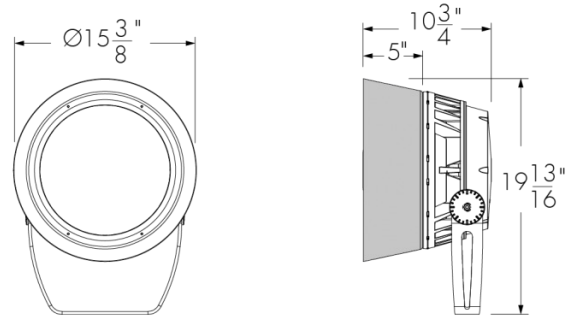
WG - Wire Guard



LBGWG-FINISH-OPTIONS (CRC)

Please specify the exterior **FINISH** from the list of finishes in the fixture order code.

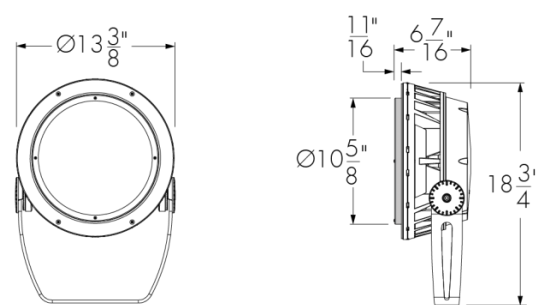
SNW - Snoot Wide



LBGSNW-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



LBGLSLA-FINISH-OPTIONS (CRC)

Please specify the exterior **FINISH** from the list of finishes in the fixture order code.

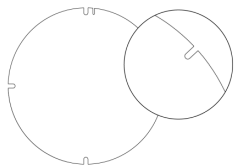
Accessory Combinations

| + | Snoot | Snoot wide | Visor |
|--------------------------------------|-----------|------------|----------|
| Linear spread lens adjustable | LBGSNLSLA | N/A* | LBGVLSLA |
| Wire guard | LBGSNWG | N/A | LBGVSWG |

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

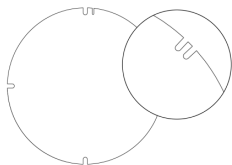
Diffuser Lenses (Intended for Mockup Purposes Only, Order Separately)

Diffuser Lens 1 (1 Notch)



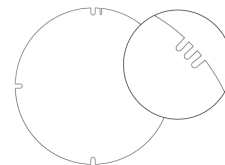
147683

Diffuser Lens 2 (2 Notches)



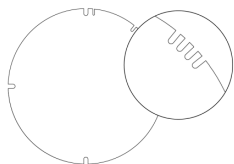
147684

Diffuser Lens 3 (3 Notches)



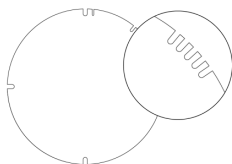
147685

Diffuser Lens 4 (4 Notches)



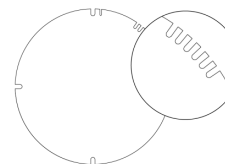
147686

Diffuser Lens 5 (5 Notches)



147687

Diffuser Lens 6 (6 Notches)



147688

Final Distribution Using Diffuser Lenses

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

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.

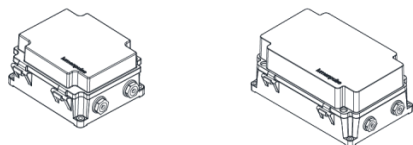
The diffuser lenses are intended for mockup purposes only. A lens holder is required to install a diffuser lens on the fixture, order separately using the following names: **LBS**: LBSLSLA-FINISH-LBALK **LBM/LBMP**: LBMLS LA-FINISH-LBALK **LBL/LBLP**: LBLLSLA-FINISH-LBALK **LBG/LBGP**: LBGLSLA-FINISH-LBALK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

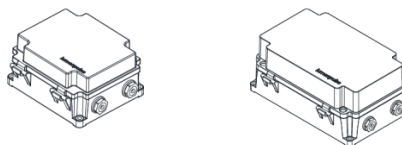
Control Boxes (Order Separately)

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.

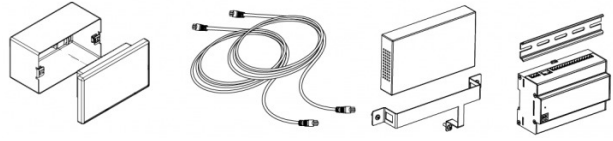
Control Systems (Order Separately)

LTN2 - Lumentone™ 2



Lumentone 2 is a simple pre-programmed DMX 512 controller with a push button rotary dial and live feedback.

PHAROS - Pharos® Kit



The Pharos kit, available for 1 or 2 DMX universes, allows for complete control of large lighting installations. 2 DMX universes kit shown.

Diagnostic And Addressing Tools (Order Separately)

LID - LumenID







LumenID is a diagnostic and addressing DMX/RDM tool. It must be specified on all DMX applications. Consult LID specification sheet for details.

LID-LT - LumentalkID



LumentalkID is a diagnostic and addressing tool. It must be specified for all Lumentalk (LT) applications. Consult LID-LT specification sheet for details.

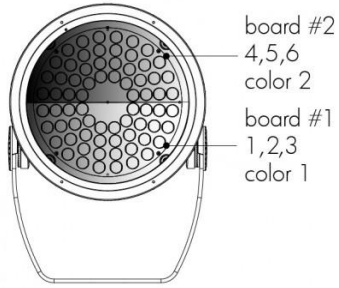
EPA Guide

| | LBG  | LBG with snoot  | LBG with visor  | LBG with snoot wide  |
|--------------------------|---|--|---|---|
| EPA front (sq ft) | 1.117 | 1.117 | 1.117 | 1.800 |
| EPA side (sq ft) | 0.341 | 0.740 | 0.726 | 0.733 |

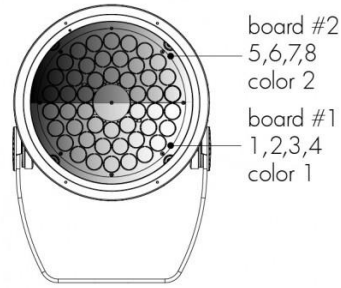
Resolution Details (Discrete)

Resolution Per Board: Each Board is Addressed Independently

DMX Addresses:



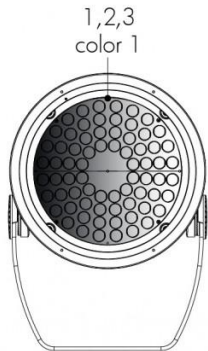
RGB color mixing option



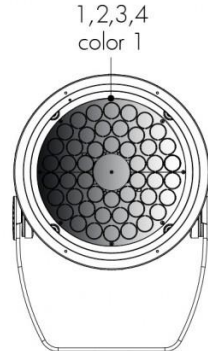
RGBW30K, RGBW40K and RGBA color mixing options

Resolution Per Fixture: Each Fixture Is Addressed Independently

DMX Addresses:



RGB color mixing option

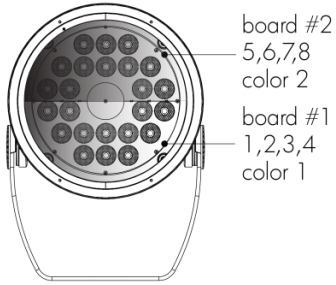


RGBW30K, RGBW40K and RGBA color mixing options

Fixture resolution can be configured on-site within the LumenID V3 software.

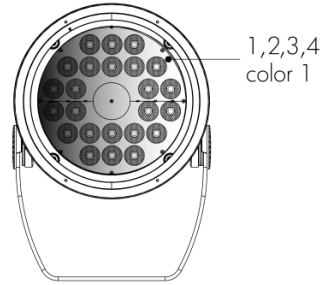
Resolution Details (Opticolor™)

Resolution Per Board: Each Board is Addressed Independently
DMX Addresses:



MRGBW30K, MRGBW40K and MRGBA color mixing options

Resolution Per Fixture: Each Fixture Is Addressed Independently
DMX Addresses:



MRGBW30K, MRGBW40K and MRGBA color mixing options

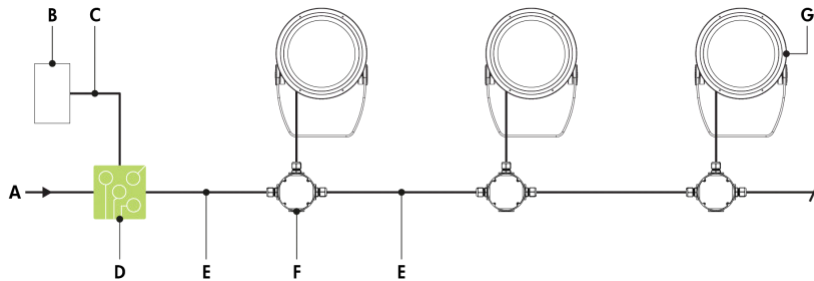
Fixture resolution can be configured on-site within the LumenID V3 software.

Typical Wiring Diagrams

Wiring Color Code

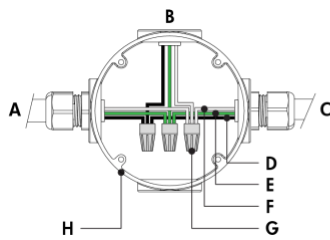
| UL Color Code | USE |
|---------------|------------------------------|
| Green | Ground |
| Black | Line |
| White | Line/Neutral |
| Red or Purple | 0-10V / Data + |
| Orange | 0-10V / Data - |
| Gray | Signal common (DMX/RDM only) |

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** - Junction box (by others)
- G** - Lumenbeam Grande

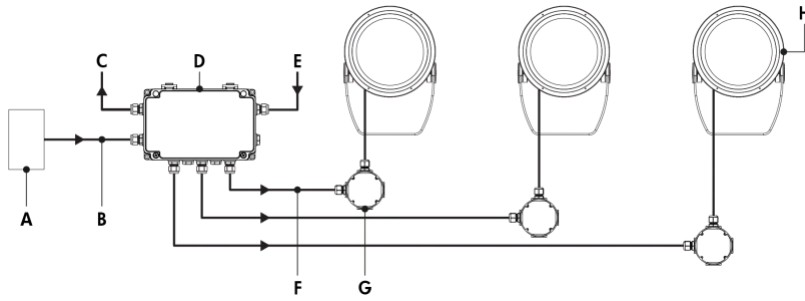
Lumentalk (LT) - Wiring Detail



- A** - Power input (control over power line via Lumentalk system) or from previous fixture
- B** - To fixture
- C** - To next fixture
- D** - Line
- E** - Ground
- F** - Line/Neutral
- G** - Wire-nut (by others)
- H** - Junction box (by others)

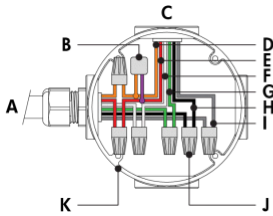
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- Lumentalk enabled fixtures must be commissioned using LumentalkID software and a LID-LT. Consult factory for details.
- Maximum of 1 transmitter (Lumentranslator or Lumenlink) per system.
- No third party fixtures allowed on the same circuit.
- 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.
- 86 to 104 watts per fixture, see Power Consumption table for details.

Star Layout (DMX/RDM)



- 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-ST
- 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** - Lumenbeam Grande

Star Layout (DMX/RDM) - Wiring Detail



- A** - From CBX
- 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)

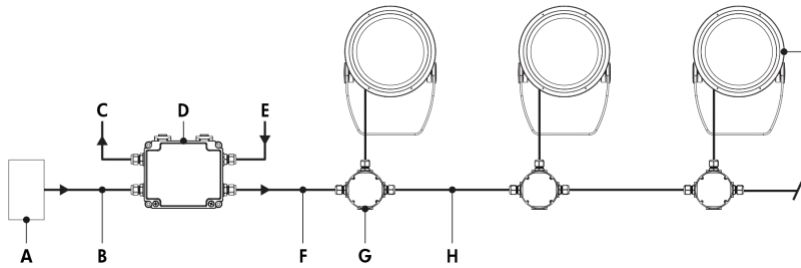
Maximum Fixture Count Per Run

| Configuration/Voltage | 120V | 208V | 240V | 277V |
|-----------------------|------|------|------|------|
| LBG | 10 | 16 | 18 | 21 |

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

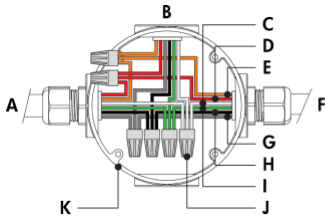
- Consult CBX installation instructions for additional wiring details.
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- The DMX/RDM protocol states a maximum of 32 DMX/RDM enabled fixtures on any single run.
- Maximum of 4 DMX/RDM repeaters/CBX cascading in line.
- Maximum of 6 outputs per CBX-ST.
- RGB color mixture option requires 3 DMX addresses. RGBW30K and RGBW40K color mixture options require 4 DMX addresses. RGBA color mixture option requires 4 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.
- 86 to 104 watts per fixture, see Power Consumption table for details.

Daisy Chain Layout (DMX/RDM)



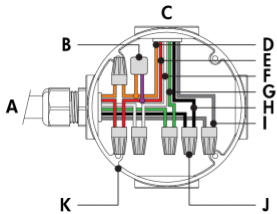
- A** - DMX/RDM controller (order separately from Lumenpulse, or by others)
- B** - Data input (Belden 9841 or equivalent, by others)
- C** - Data output to next CBX (optional, not isolated/not boosted)
- D** - CBX-DS
- E** - Power input (100-277V AC, wiring by others)
- F** - Power and data output to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

Daisy Chain Layout (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/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)

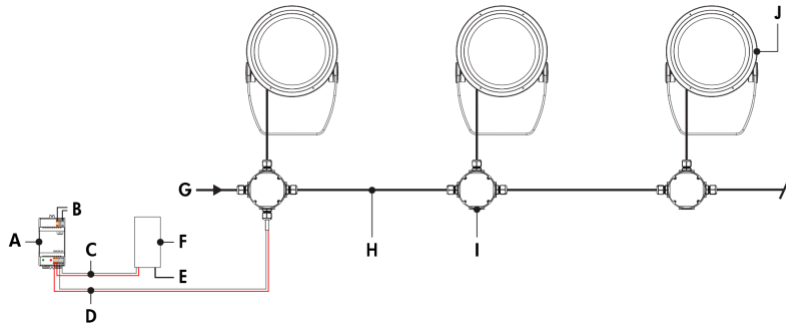
Maximum Fixture Count Per Run

| Configuration/Voltage | 120V | 208V | 240V | 277V |
|-----------------------|------|------|------|------|
| LBG | 10 | 16 | 18 | 21 |

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

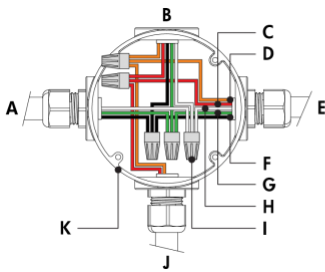
- Consult CBX installation instructions for additional wiring details.
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- The DMX/RDM protocol states a maximum of 32 DMX/RDM enabled fixtures on any single run.
- Maximum of 4 DMX/RDM repeaters/CBX cascading 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.
- RGB color mixture option requires 3 DMX addresses. RGBW30K and RGBW40K color mixture options require 4 DMX addresses. RGBA color mixture option requires 4 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.
- 86 to 104 watts per fixture, see Power Consumption table for details.

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 Grande

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.
- 86 to 104 watts per fixture, see Power Consumption table for details.

How to Order

| Housing | Voltage | Color and Color Temperature | Optic1 | Optic2 | Optical Option ⁽¹⁰⁾ ⁽¹²⁾ |
|---------------------------------|-------------------------|--|--|--|--|
| LBG Lumenbeam™ Grande | 100 100 volts | RGB RGB | XN Extra Narrow 3° or 5° ⁽⁴⁾ ⁽⁷⁾ ⁽⁸⁾ | XN Extra Narrow 3° or 5° ⁽⁴⁾ ⁽⁷⁾ ⁽⁸⁾ | LSLH Linear Spread Lens Horizontal Distribution ⁽¹¹⁾ LSLV Linear Spread Lens Vertical Distribution ⁽¹¹⁾ |
| | 120 120 volts | RGBW30K RGB + White 3000K ⁽¹⁾ | VN Very Narrow 6° ⁽⁷⁾ ⁽⁸⁾ | VN Very Narrow 6° ⁽⁷⁾ ⁽⁸⁾ | |
| | 208 208 volts | RGBW40K RGB + White 4000K ⁽¹⁾ | NS Narrow Spot 10° ⁽⁷⁾ | NS Narrow Spot 10° ⁽⁷⁾ | |
| | 220 220 volts | RGBA RGB + Amber | NF Narrow Flood 20° ⁽⁷⁾ | NF Narrow Flood 20° ⁽⁷⁾ | |
| | 240 240 volts | MRGBW30K Opticolor with MRGBW 3000K ⁽²⁾ ⁽³⁾ ⁽⁴⁾ ⁽⁵⁾ | M Medium 30° ⁽⁷⁾ ⁽⁹⁾ | M Medium 30° ⁽⁷⁾ ⁽⁹⁾ | |
| | 277 277 volts | MRGBW40K Opticolor with MRGBW 4000K ⁽²⁾ ⁽³⁾ ⁽⁴⁾ ⁽⁵⁾ MRGBA Opticolor with MRGBA Amber ⁽²⁾ ⁽³⁾ ⁽⁵⁾ | FL Flood 40° ⁽⁷⁾ WFL Wide Flood 60° ⁽⁷⁾ ⁽⁹⁾ NAS Narrow Asymmetric ⁽⁷⁾ ⁽⁸⁾ WW Asymmetric Wallwash ⁽⁷⁾ ⁽⁸⁾ | FL Flood 40° ⁽⁷⁾ WFL Wide Flood 60° ⁽⁷⁾ ⁽⁹⁾ NAS Narrow Asymmetric ⁽⁷⁾ ⁽⁸⁾ WW Asymmetric Wallwash ⁽⁷⁾ ⁽⁸⁾ | |

Notes:

- 2700K, 3500K and Royal Blue available, consult factory. Longer lead times apply.
- Not available with XN, VN, NAS and WW optics.
- Consult factory for the availability of more color and CCT options.
- MRGBW30K and MRGBW40K can be configured to MRGB via RDM, consult factory for more details.
- The same optic option must be specified for both boards when MRGBW30K, MRGBW40K or MRGBA is selected.
- Nominal distribution is 3° for RGBW30K, RGBW40K and RGBA color options, and 5° for RGB.
- Factory installed, not interchangeable on site.
- Not available with MRGBW30K, MRGBW40K and MRGBA Opticolor options.
- Cannot be combined with other optics.
- Optical options are factory installed and cannot be changed in the field.
- Field adjustable spread lens optical accessory available, order separately.
- Not available with WFL, NAS and WW optics.

How to Order

| Finish | Control | Option | Certification | Cable Length ⁽¹⁹⁾ ⁽²⁴⁾ | Cable Color | Buy American Act |
|---|---|---|--|--|------------------------------------|--|
| BK Black Sandtex® | LT Lumentalk ⁽¹⁶⁾ ⁽¹⁷⁾ | SY Short Yoke | UL UL Compliant | 3FT 3 ft ⁽¹⁹⁾ ⁽²⁴⁾ | BK Black | BAA Buy American ⁽²⁵⁾ ⁽²⁶⁾ |
| BRZ Bronze Sandtex® | DMX/RDM DMX/RDM Enabled ⁽¹⁸⁾ ⁽¹⁹⁾ | 3GV 3G ANSI C136.31-2010 Vibration Rating for Bridge Applications | CE CE Compliant ⁽²³⁾ | 10FT 10 ft | WH White ⁽²⁵⁾ | |
| SI Silver Sandtex® | DALI28 DALI 2 T8 Control ⁽²⁰⁾ | CRC Corrosion-resistant coating ⁽²¹⁾ ⁽²²⁾ | CEII CE compliant Class II double insulated ⁽²³⁾ | 20FT 20 ft | | |
| WH Smooth White | | | | 30FT 30 ft | | |
| BKTX Textured Black | | | | 50FT 50 ft | | |
| BRZTX Textured Bronze Non- Metallic | | | | 70FT 70 ft | | |
| GRATX Textured Medium Gray | | | | 100FT 100 ft | | |
| GRNTX Textured Green | | | | | | |
| WHTX Textured White | | | | | | |
| CC Custom Color & Finish ⁽¹³⁾ ⁽¹⁴⁾ ⁽¹⁵⁾ | | | | | | |

Notes:

- 13. 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.
- 14. Setup charges apply for RAL colors. Consult factory for details.
- 15. Longer lead times can be expected for custom RAL color finishes.
- 16. A Lumentranslator 2 (LTL2) and LumentalkID (LIDL) must be specified for Lumentalk applications. Consult Lumentranslator 2 and Lumentalk pages and specification sheets for details.
- 17. Not available with Class II double insulated option.
- 18. A control box (CBX) and LumenID (LID) must be specified.

- 19. Maximum of 3 ft cable length for daisy chain DMX applications with CBX-DS.
- 20. DALI 2 T8 controller required, provided by others. DALI2 T8 control uses a single DALI short address.
- 21. Use only when exposed to salt spray. This option is not required for normal outdoor exposure.
- 22. Setup charges apply. Consult factory for details.
- 23. Consult European specification sheets and installation instructions for CE and CE Class II wiring information.
- 24. 3 ft cable length is standard unless otherwise specified.
- 25. Not available with CE or CEII certification options.
- 26. Contact your Lumenpulse Sales Representative for more information on order volume details.