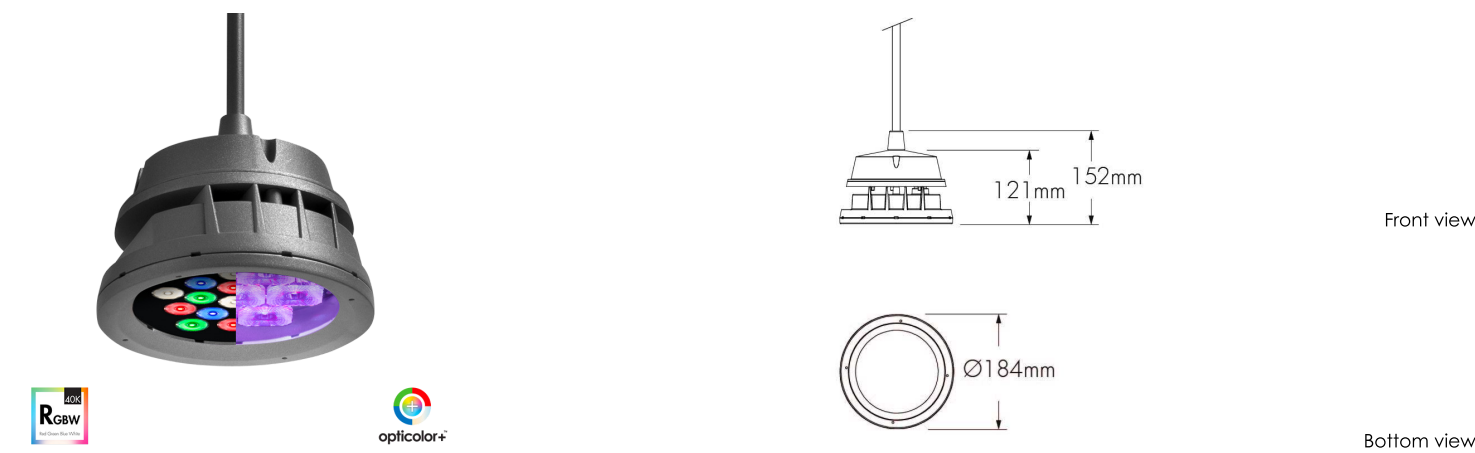


Project Name

Qty

Type

Catalog / Part Number



Photometric Summary (Discrete RGBW40K)

Symmetric

|           | Delivered output (lm) | Intensity (peak cd) |
|-----------|-----------------------|---------------------|
| VN (6°)   | 1,572                 | 76,932              |
| NS (10°)  | 1,533                 | 54,810              |
| NF (20°)  | 1,411                 | 11,384              |
| M (30°)   | 1,356                 | 6,270               |
| FL (40°)  | 1,294                 | 3,500               |
| WFL (60°) | 1,142                 | 892                 |

Assymmetric

|     |       |                |
|-----|-------|----------------|
| NAS | 1,442 | 23,041 (@2.5°) |
| WW  | 1,290 | 5,877 (@5°)    |

Based on RGBW40K full output.  
Photometric performance is measured externally in compliance with IESNA LM-79-24.  
Refer to Photometric Guide on lumenpulse website for information on other color temperatures.

Photometric Summary (Opticolor+ MRGBWP)

Symmetric

|           | Delivered output (lm) | Intensity (peak cd) |
|-----------|-----------------------|---------------------|
| NS (10°)  | 1,158                 | 22,488              |
| NF (20°)  | 1,090                 | 7,161               |
| M (30°)   | 1,070                 | 4,026               |
| FL (40°)  | 1,107                 | 2,959               |
| WFL (60°) | 1,089                 | 1,112               |

Based on MRGBWVP full output, white set to 3000K.  
Photometric performance is measured externally in compliance with IESNA LM-79-24.  
Refer to Photometric Guide on lumenpulse website for information on other color temperatures.

Description

The Lumenbeam Medium Pendant Colour Changing is an IP66-rated suspended luminaire luminaire for lighting landscapes and architectural details. The system offers numerous options including optics for flood or accent lighting, a choice of colour 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

|                                              |                                                                                                                                                                                                                                                |
|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Colours and Colour Temperature (Discrete)    | <b>RGB:</b> RGB<br><b>RGBW30K:</b> RGB + White 3000K<br><b>RGBW40K:</b> RGB + White 4000K<br><b>RGBA:</b> RGB + Amber                                                                                                                          |
| Colours and Colour Temperature (Opticolor™)  | <b>MRGBA:</b> Opticolor Cluster with MRGBA (Red, Green, Blue, Amber)                                                                                                                                                                           |
| Colours and Colour Temperature (Opticolor+™) | <b>MRGBWP:</b> MRGBWP With Opticolor+™ (Red, Green, Blue and Configurable White 2700-6500K)<br><b>MRGBWP Typical Colour Rendering:</b><br>2700K-5000K: 90+ CRI<br>5000K-6500K: 85+ CRI                                                         |
| Mounting Length                              | <b>12:</b> 305 mm<br><b>24:</b> 610 mm<br><b>36:</b> 914 mm<br><b>48:</b> 1219 mm                                                                                                                                                              |
| Optics (Nominal Distribution)                | <b>VN:</b> VN (6°)<br><b>NS:</b> NS (10°)<br><b>NF:</b> NF (20°)<br><b>M:</b> M (30°)<br><b>FL:</b> FL (40°)<br><b>WFL:</b> WFL (60°)<br><b>VWFL:</b> VWFL (90°)<br><b>NAS:</b> NAS (Narrow Asymmetric)<br><b>WW:</b> WW (Asymmetric Wallwash) |
| Optical Option                               | <b>LSLH:</b> Linear Spread Lens Horizontal Distribution<br><b>LSLV:</b> Linear Spread Lens Vertical Distribution                                                                                                                               |
| Option                                       | <b>CRC:</b> Corrosion-Resistant Coating for Hostile Environments                                                                                                                                                                               |

Photometric Summary (Opticolor MRGBA)

Symmetric

|           | Delivered output (lm) | Intensity (peak cd) |
|-----------|-----------------------|---------------------|
| NS (10°)  | 1,139                 | 22,105              |
| NF (20°)  | 1,071                 | 7,040               |
| M (30°)   | 1,052                 | 3,957               |
| FL (40°)  | 1,088                 | 2,908               |
| WFL (60°) | 1,070                 | 1,093               |

Based on MRGBA full output.  
Photometric performance is measured externally in compliance with IESNA LM-79-24.  
Refer to Photometric Guide on Lumenpulse website for information on other color temperatures.

Optic



Very Narrow 6°



Narrow Spot 10°



Narrow Flood 20°



Medium 30°



Flood 40°



Wide Flood 60°



Very Wide Flood 90°



Narrow Asymmetric



Asymmetric Wallwash

Colour and Colour Temperature



RGB  
Red Green Blue



RGBW 30K  
Red Green Blue White



RGBW 40K  
Red Green Blue White



RGBA  
Red Green Blue Amber



opticolor™



opticolor+™

Control



lumen talk

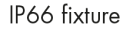


DMX/RDM

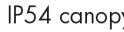


DALI T8

Ratings



IP66 fixture



IP54 canopy



IK09

Certifications



UL US



CE



RoHS



Energy Star



5 YEARS  
lumenpulse

|                                          |                                                                                                                                                                                                                                                                                                                 |
|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Power Consumption                        | 28 W (RGB, RGBW30K, RGBW40K, RGBA), 25W (MRGBA and MRGBWP)                                                                                                                                                                                                                                                      |
| Warranty                                 | 5-year limited warranty                                                                                                                                                                                                                                                                                         |
| Performance                              |                                                                                                                                                                                                                                                                                                                 |
| Maximum Delivered Output (Discrete)      | 1,598 lm (RGB full output, VN 6°, DMX/RDM)<br>1,540 lm (RGBW30K full output, VN 6°, DMX/RDM)<br>1,572 lm (RGBW40K full output, VN 6°, DMX/RDM)<br>1,284 lm (RGBA full output, VN 6°, DMX/RDM)                                                                                                                   |
| Maximum Delivered Output (Opticolor)     | 1,139 lm (MRGBA full output, NS 10°, DMX/RDM)                                                                                                                                                                                                                                                                   |
| Maximum Delivered Output (Opticolor+)    | 1,158 lm (MRGBWP full output, NS 10°, DMX/RDM)                                                                                                                                                                                                                                                                  |
| Maximum Delivered Intensity (Discrete)   | 76,667 cd at nadir (RGB full output, VN 6°, DMX/RDM)<br>75,393 cd at nadir (RGBW30K full output, VN 6°, DMX/RDM)<br>76,932 cd at nadir (RGBW40K full output, VN 6°, DMX/RDM)<br>62,853 cd at nadir (RGBA full output, VN 6°, DMX/RDM)                                                                           |
| Maximum Delivered Intensity (Opticolor)  | 22,105 cd at nadir (MRGBA full output, NS 10°, DMX/RDM)                                                                                                                                                                                                                                                         |
| Maximum Delivered Intensity (Opticolor+) | 22,488 cd at nadir (MRGBWP full output, NS 10°, DMX/RDM)                                                                                                                                                                                                                                                        |
| Illuminance at Distance (Discrete)       | Minimum 1 lx at 278 m (RGB full output, VN 6°, DMX/RDM)<br>Minimum 1 lx at 276 m (RGBW30K full output, VN 6°, DMX/RDM)<br>Minimum 1 fc at 85 m (RGBW40K full output, VN 6°, DMX/RDM)<br>Minimum 1 lx at 279 m (RGBW40K full output, VN 6°, DMX/RDM)<br>Minimum 1 lx at 252 m (RGBA full output, VN 6°, DMX/RDM) |
| Illuminance at Distance (Opticolor)      | Minimum 1 lx at 149 m (MRGBA full output, NS 10°, DMX/RDM)                                                                                                                                                                                                                                                      |
| Illuminance at Distance (Opticolor+)     | Minimum 1 lx at 150 m (MRGBWP full output, NS 10°, DMX/RDM)                                                                                                                                                                                                                                                     |
| Lumen Maintenance                        | L70 (15K) > 90,000 hrs Ta 25 °C (TM-21 reported)<br>L70 > 150,000 hrs Ta 25 °C (projected)*<br>L90 (15K) = 55,400 hrs Ta 25 °C (TM-21 reported)<br>L90 = 55,400 hrs Ta 25 °C (projected)*<br>*Estimated based on in-situ case temperature and LM-80 report                                                      |
| Physical                                 |                                                                                                                                                                                                                                                                                                                 |
| Housing Material                         | Low copper content high pressure die-cast aluminium                                                                                                                                                                                                                                                             |
| Lens Material                            | Clear tempered glass                                                                                                                                                                                                                                                                                            |
| Hardware Material                        | Stainless steel                                                                                                                                                                                                                                                                                                 |
| Gasket Material                          | Silicone                                                                                                                                                                                                                                                                                                        |
| Surface Finish                           | Electrostatically applied polyester powder coat                                                                                                                                                                                                                                                                 |
| Weight                                   | 3.04 kg                                                                                                                                                                                                                                                                                                         |
| Electrical and Control                   |                                                                                                                                                                                                                                                                                                                 |
| Voltage                                  | 100 to 277 volts                                                                                                                                                                                                                                                                                                |
| Fixture Cable                            | Power and data cable goes through stem                                                                                                                                                                                                                                                                          |
| Conductors                               | 6C: 3 x 1,5 mm <sup>2</sup> / 3 x 0,20 mm <sup>2</sup> (DMX/RDM control)<br>5C: 5 x 1,5 mm <sup>2</sup> (DALI8 control)                                                                                                                                                                                         |
| Inrush Current (Peak)                    | 21A @230VAC (RGB)<br>75A @230VAC (RGBW, RGBA)                                                                                                                                                                                                                                                                   |

|                      |                                                                                                                              |
|----------------------|------------------------------------------------------------------------------------------------------------------------------|
| Control              | DMX/RDM Enabled, DALI 2 T8 Control, Lumentalk system is enabled with LDB accessory - see typical wiring diagrams for details |
| Resolution (DMX/RDM) | Per fixture, 8-bit or 16-bit, 3 channels (RGB) or 4 channels (MRGBA and MRGBWP)                                              |

Environmental

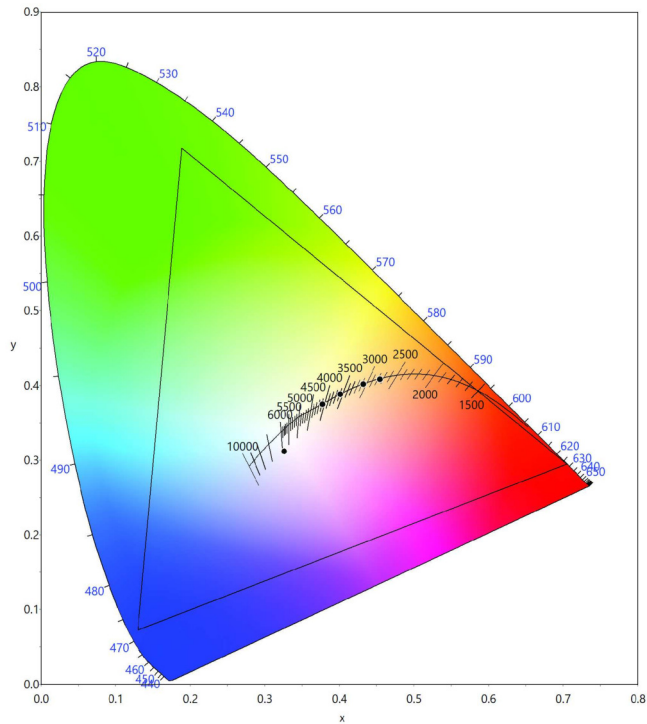
|                           |                                                                                                          |
|---------------------------|----------------------------------------------------------------------------------------------------------|
| Storage Temperature       | -40 °C to 70 °C (device must reach start-up temperature value before operating)                          |
| Start-up Temperature      | -25 °C to 50 °C                                                                                          |
| Operating Temperature     | -40 °C to 50 °C                                                                                          |
| Ingress Protection Rating | IP66 fixture (wet location rated)<br>IP54 canopy (suitable for wet location, not suitable for water jet) |
| Impact Resistance Rating  | IK09                                                                                                     |

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 |
| Control Boxes                   | DMX/RDM enabled (Daisy Chain or Star Configuration), Ethernet enabled (Daisy Chain or Star Configuration), Lumentalk Data Bridge                         |
| Control Systems                 | Lumenscene™ (LSC), Pharos® Lighting Control Kit (PHAROS)                                                                                                 |
| Diagnostic and Addressing Tools | LumenID (LID)                                                                                                                                            |

Colour Point Information

MRGBWP



Dominant Wavelength and Chromaticity

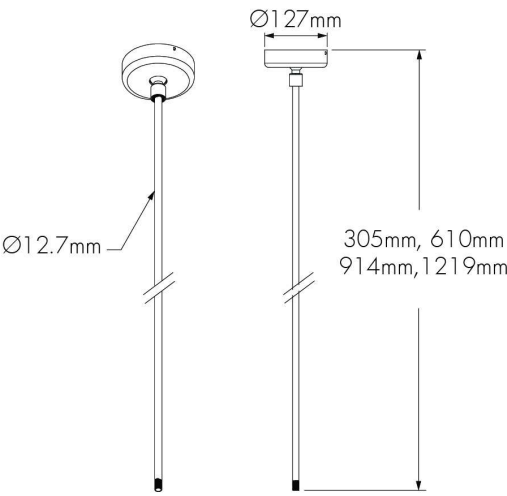
|       | Dominant Wavelength | Chromaticity |        |
|-------|---------------------|--------------|--------|
|       |                     | Cx           | Cy     |
| Red   | ~628nm              | 0.7050       | 0.2949 |
| Green | ~531nm              | 0.1885       | 0.7178 |
| Blue  | ~471nm              | 0.1298       | 0.0726 |
| Amber | ~591nm              | 0.5755       | 0.4126 |

|                | Cx     | Cy     |
|----------------|--------|--------|
| MRGBWP Full On | 0.3261 | 0.3121 |
| 27K Optidrive  | 0.4545 | 0.4081 |
| 30K Optidrive  | 0.4318 | 0.4017 |
| 35K Optidrive  | 0.4010 | 0.3883 |
| 40K Optidrive  | 0.3773 | 0.3747 |

Values measured from Steady State Full on Optidrive @ 25°C ambient conditions.

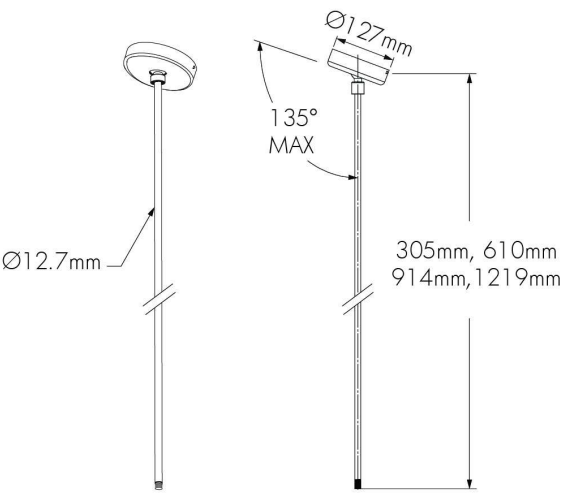
Mounting Types

SCAN - Standard Straight Stem Canopy



Not suitable when fixture is exposed to wind.  
Suitable for under canopy installation only.  
No vibration rating.

ACAN - Adjustable Sloped Ceiling Canopy



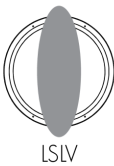
Not suitable when fixture is exposed to wind.  
Suitable for under canopy installation only.  
No vibration rating.

Optical Options – Discrete

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.

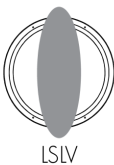
Factory installed, not adjustable on site. Not available for WFL, VWFL, NAS and WW optics.  
See 'Optical Accessories' section for field adjustable spread lens (LSLA).

Optical Options - Opticolor™ and Opticolor+

LSLH - Linear Spread Lens Horizontal Distribution



LSLV - Linear Spread Lens Vertical Distribution



Beam Angles

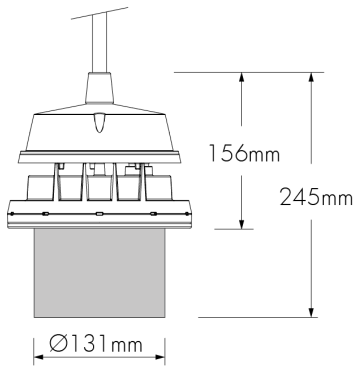
| Optic installed in fixture | Beam angle with LSLH/LSLV |
|----------------------------|---------------------------|
| NS                         | 11° x 61°                 |
| NF                         | 19° x 66°                 |
| M                          | 26° x 70°                 |
| FL                         | 31° x 71°                 |

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).

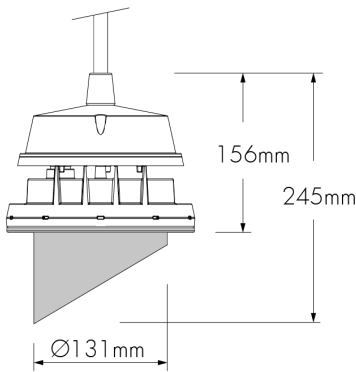
Optical Accessories (Order Separately)

SN - Snoot



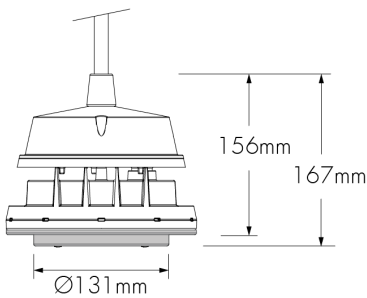
LBMSN-FINISH-BK-OPTIONS (CRC)  
Interior surface painted black. Please specify the exterior **FINISH** from the list of finishes in the fixture order code.

VS - Visor



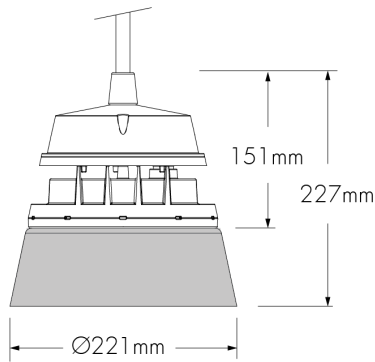
LBMVS-FINISH-BK-OPTIONS (CRC)  
Interior surface painted black. Please specify the exterior **FINISH** from the list of finishes in the fixture order code.

WG - Wire Guard



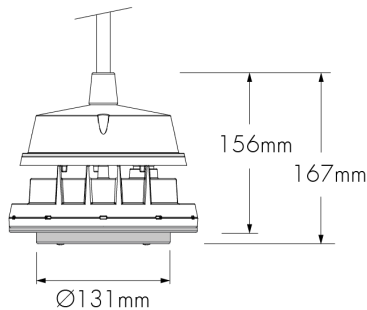
LBMWG-FINISH-OPTIONS (CRC)  
Please specify the exterior **FINISH** from the list of finishes in the fixture order code.

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.

LSLA - Linear Spread Lens Adjustable



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

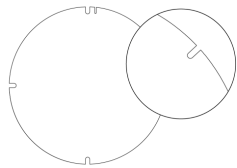
Accessory Combinations

| +                             | Snoot     | Snoot wide | Visor    |
|-------------------------------|-----------|------------|----------|
| Linear spread lens adjustable | LBMSNLSLA | N/A*       | LBMVLSLA |
| 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.

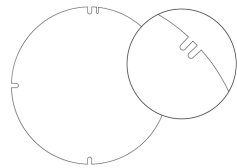
Diffuser Lenses (Intended for Mockup Purposes Only, Order Separately)

Diffuser Lens 1 (1 Notch)



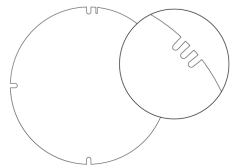
147671

Diffuser Lens 2 (2 Notches)



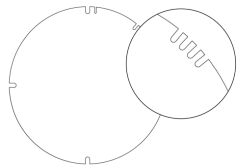
147672

Diffuser Lens 3 (3 Notches)



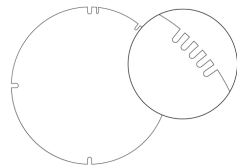
147673

Diffuser Lens 4 (4 Notches)



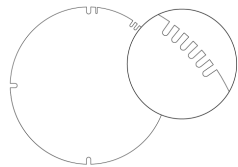
147674

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°)                       |                                        |                              |                              |                              |                              |                              |

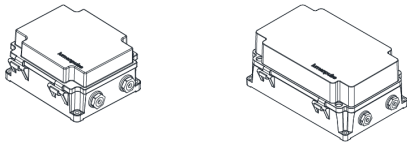
Choose a diffuser lens based on the desired final beam distribution. Refer to the 6-digit part numbers above to order diffuser lenses individually. To order a complete set of 6 diffuser lenses in a bag, refer to the following item names: **LBS:** LBALK-S **LBM/LBMP:** LBALK-M **LBL/LBLP:** LBALK-L **LBG/LBGP:**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

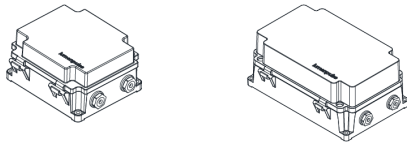
Control Boxes (Order Separately)

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



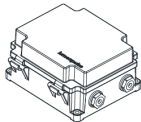
DMX/RDM control box. Up to six power and data outputs to fixtures or fixture runs. Consult CBX specification sheet and installation instructions for details. Lumenterminators provided with CBX (2x for daisy chain configuration, 6x for star configuration), consult factory to order spares.

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.

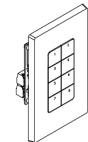
LDB - Lumentalk Data Bridge



Lumentalk Data Bridge, 1-10V or DMX output. Consult LDB specification sheet for details.

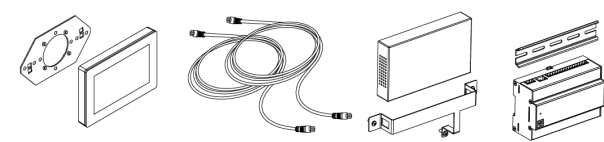
Control Systems (Order Separately)

Lumenscene



The Lumenscene, a user-friendly DMX/RDM lighting controller that includes eight preconfigured scene changes and can be programmed via RDM.

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.

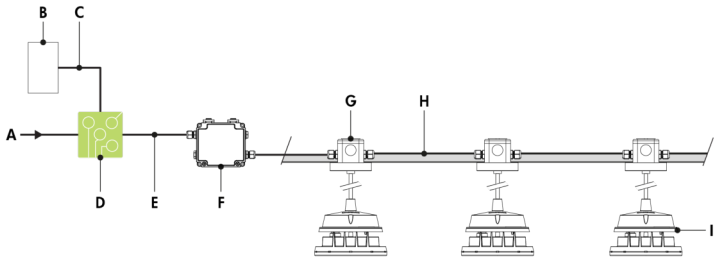
Typical Wiring Diagrams

Wiring Colour Code

| CE Colour Code  | USE                          |
|-----------------|------------------------------|
| Yellow/Green    | Ground                       |
| Brown           | Line                         |
| Blue            | Line/Neutral                 |
| Black or Purple | 1-10V / Data +               |
| Grey or Orange  | 1-10V / Data -               |
| Grey            | Signal common (DMX/RDM only) |

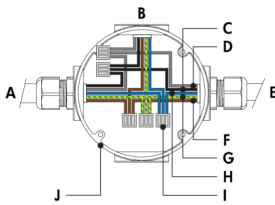
| CE Class II Colour Code |                 | USE                          |
|-------------------------|-----------------|------------------------------|
| All other controls      | DMX/RDM         |                              |
| Brown                   | Brown           | Line                         |
| Blue                    | Blue            | Line/Neutral                 |
| Black 1                 | Grey            | Signal common (DMX/RDM only) |
| Black 2                 | Black or Purple | 1-10V / Data +               |
| Grey                    | Grey or Orange  | 1-10V / Data -               |
| N/A                     | Yellow/Green    | Ground (do not connect)      |

Lumentalk (LT) RGB-RGBW30K-RGBW40K-RGBA



- 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 Pendant

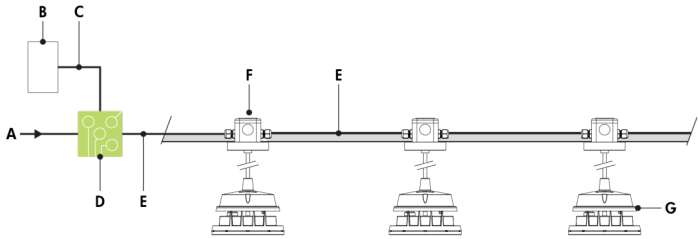
Lumentalk (LT) - Wiring Detail Using LDB



- A - From Lumentalk Data Bridge (control over power line via Lumentalk system) or from previous fixture
- B - To fixture
- C - 1-10 V + / Data +
- D - 1-10 V - / Data -
- E - To next fixture
- F - Line
- G - Ground
- H - Line/Neutral
- I - Terminal connector (by others)
- J - Junction box (by others)

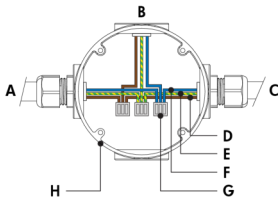
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- Lumentalk Data Bridge required for Lumentalk system, see LDB installation instructions for details. Fixtures must be specified as DMX/RDM and the Lumentalk Data Bridge must be specified as DMX. 2-step commissioning process: 1 - DMX/RDM system using LumenID software and a LID, 2 - Lumentalk system using LumentalkID software and a LID-LT. 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 colours 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 (RGB, RGBW30K, RGBW40K, RGBA).

Lumentalk (LT) MRGBA-MRGBWP



- 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 MediumPendant

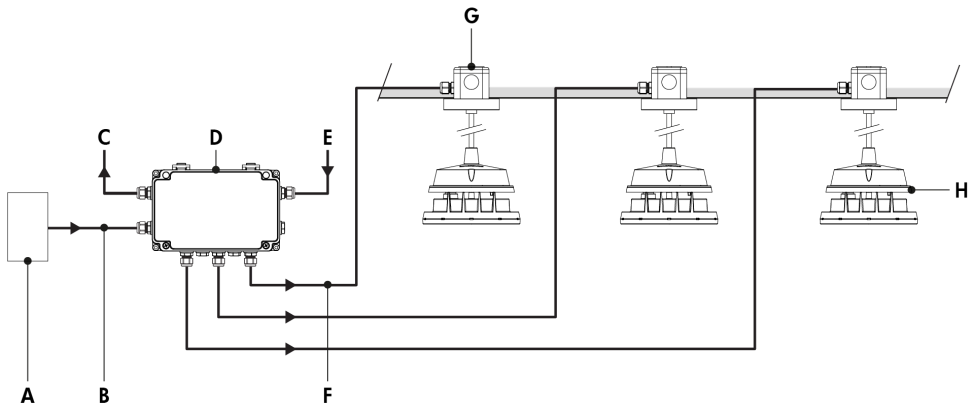
Lumentalk (LT) - Wiring Detail - CE



- 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** - Terminal connector (by others)
- H** - Junction box (by others)

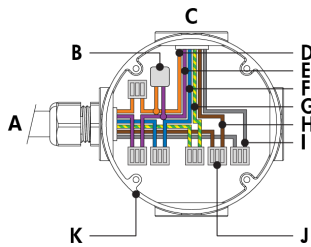
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- Lumentalk enabled fixtures must be commissioned using LumentalkID software and a LID-LT. Consult factory for details.
- Maximum of 1 transmitter (Lumentranslator or Lumenlink) per system.
- No third 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 colours is 1 minute). Consult factory for applications that require additional capabilities.
- 25 watts per fixture (MRGBA and MRGBWP).

Star Layout (DMX/RDM)



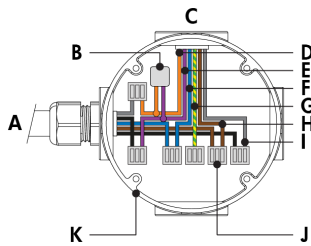
- A** - DMX/RDM controller (order separately from Lumenpulse, or by others)
- B** - Data input (Belden 9841 or equivalent, by others)
- C** - Data output to next CBX (optional, not isolated/not boosted)
- D** - CBX-ST
- E** - Power input (100-277V AC, wiring by others)
- F** - Power and data output to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

Star Layout (DMX/RDM) - Wiring Detail - CE



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

Star Layout (DMX/RDM) - Wiring Detail - CE Class II



- A** - From CBX
- B** - Lumenterminator
- C** - To fixture
- D** - Data -
- E** - Data +
- F** - Neutral
- G** - Ground (do not connect)
- H** - Line
- I** - Signal common
- J** - Terminal connector (by others)
- K** - Junction box (by others)

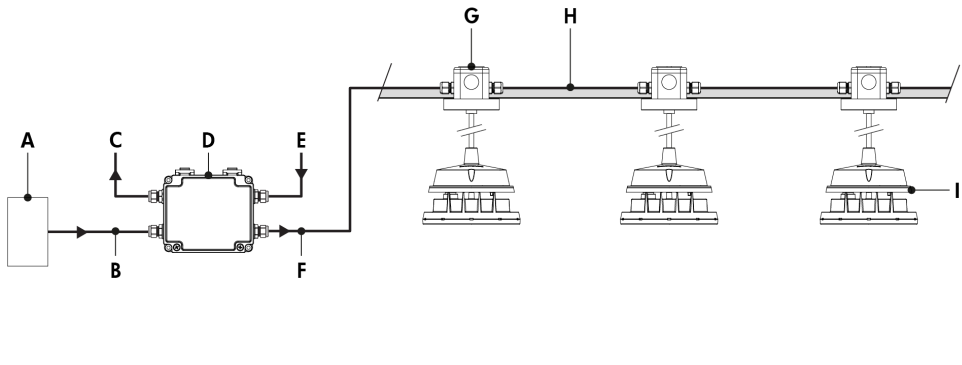
Maximum Fixture Count Per Run

| Configuration/Voltage | 120V | 208V | 240V | 277V |
|-----------------------|------|------|------|------|
| <b>LBMP</b>           | 29   | 32   | 32   | 32   |

Based on 16A maximum, 1,5 mm<sup>2</sup> cable, fixtures spaced 3 m on centre, first fixture 15 m from CBX.

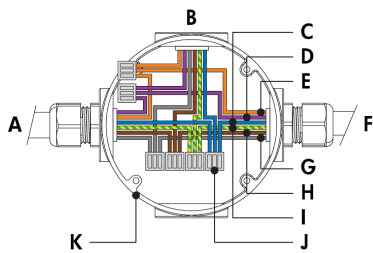
- Consult CBX installation instructions for additional wiring details.
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- Run length calculations are based on a voltage drop of no more than 25V.
- The DMX/RDM protocol states a maximum of 32 DMX/RDM enabled fixtures on any single run.
- Maximum of 4 DMX/RDM repeaters/CBX cascading in line.
- Maximum of 6 outputs per CBX-ST.
- RGB colour mixture option requires 3 DMX addresses. RGBW30K, RGBW40K, RGBA, MRGBA and MRGBWP colour mixture options require 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.
- 28 watts per fixture (RGB, RGBW30K, RGBW40K, RGBA), 25 watts per fixture (MRGBA and MRGBWP).

Daisy Chain Layout (DMX/RDM)



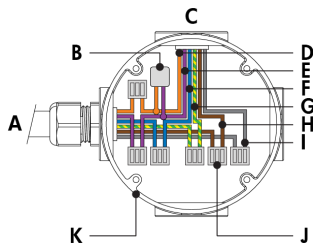
- A - DMX/RDM controller (order separately from Lumenpulse, or by others)
- B - Data input (Belden 9841 or equivalent, by others)
- C - Data output to next CBX (optional, not isolated/not boosted)
- D - CBX-DS
- E - Power input (100-277V AC, wiring by others)
- F - Power and data output to fixture (wiring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

Daisy Chain Layout (DMX/RDM) - Wiring Detail (First Or Middle Of Run) - CE



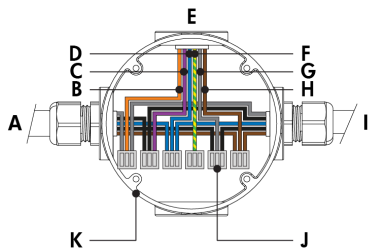
- A - From CBX or previous fixture
- B - To fixture
- C - Neutral
- D - Data +
- E - Data -
- F - To next fixture
- G - Signal common
- H - Line
- I - Ground
- J - Terminal connector (by others)
- K - Junction box (by others)

Daisy Chain Layout (DMX/RDM) - Wiring Detail (End Of Run) - CE



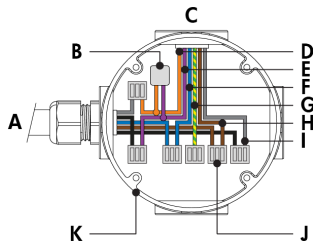
- A - From CBX or previous fixture
- B - Lumenterminator
- C - To fixture
- D - Data -
- E - Data +
- F - Neutral
- G - Ground
- H - Line
- I - Signal common
- J - Terminal connector (by others)
- K - Junction box (by others)

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



- A - From CBX or previous fixture
- B - Data -
- C - Data +
- D - Neutral
- E - To fixture
- F - Ground (do not connect)
- G - Signal common
- H - Line
- I - To next fixture
- J - Terminal connector (by others)
- K - Junction box (by others)

Daisy Chain Layout (DMX/RDM) - Wiring Detail (End of Run) - CE Class II



- A - From CBX
- B - Lumeterminator
- C - To fixture
- D - Data -
- E - Data +
- F - Neutral
- G - Ground (do not connect)
- H - Line
- I - Signal common
- J - Terminal connector (by others)
- K - Junction box (by others)

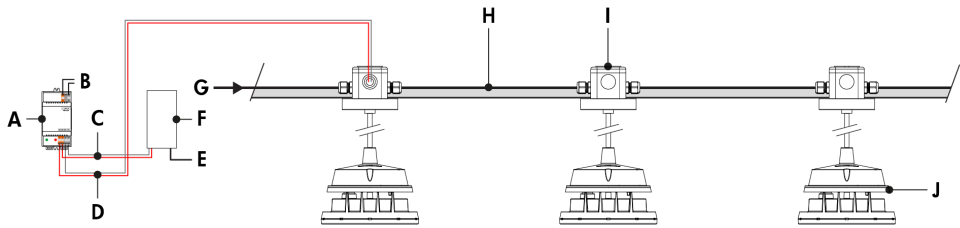
Maximum Fixture Count Per Run

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

Based on 16A maximum, 1,5 mm<sup>2</sup> cable, fixtures spaced 3 m on centre, first fixture 15 m from CBX.

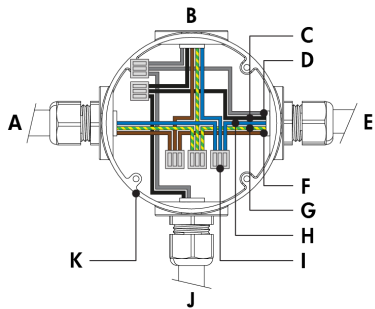
- Consult CBX installation instructions for additional wiring details.
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- Run length calculations are based on a voltage drop of no more than 25V.
- The DMX/RDM protocol states a maximum of 32 DMX/RDM enabled fixtures on any single run.
- Maximum of 4 DMX/RDM repeaters/CBX cascading in line.
- Maximum of 1 output per CBX-DS.
- Maximum of 0.9 m cable length between fixture and next junction box for daisy chain layout.
- RGB colour mixture option requires 3 DMX addresses. RGBW30K, RGBW40K, RGBA, MRGBA and MRGBWP colour mixture options require 4 DMX addresses.
- DMX terminator is required at the end of each run to maintain data integrity. Two (2x) DMX lumeterminators included per CBX-DS. See installation instructions for details.
- 28 watts per fixture (RGB, RGBW30K, RGBW40K, RGBA), 25 watts per fixture (MRGBA and MRGBWP).

DALI 2 T8 (DALIT8)



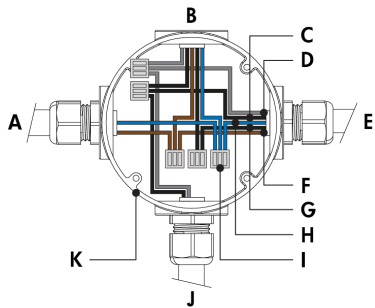
- A - DALI bus power supply (by others)
- B - Power input for DALI bus power supply (wiring by others)
- C - Data output to DALI controller (wiring by others)
- D - Data output to fixture (wiring by others)
- E - Power input for DALI controller (if required, wiring by others)
- F - DALI controller (by 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 Pendant

DALI 2 Type 8 (DALIT8) - Wiring Detail - CE



- 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 - Terminal connector (by others)
- J - From DALI controller (by others)
- K - Junction box (by others)

DALI 2 Type 8 (DALIT8) - Wiring Detail - CE Class II



- A - Power input or from previous fixture
- B - To fixture
- C - DA + (black 2)
- D - DA -
- E - To next fixture
- F - Line
- G - Signal common (black 1)
- H - Neutral
- I - Terminal connector (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 for colour controls and Tc for dim to warm and tunable white.
- Commissioning may be required based on the selection of 3rd party DALI controller. Controller and commissioning provided by others.
- 28 watts per fixture (RGB, RGBW30K, RGBW40K, RGBA), 25 watts per fixture (MRGBA and MRGBWP).

How to Order

| Housing                                 | Voltage          | Colour and Colour Temperature                                         | Optic                                                                | Mounting Type                                                                            | Mounting Length <sup>(11)</sup>                                            | Optical Option <sup>(12) (14)</sup>                                                                                                                                | Finish                    | Control <sup>(18) (19)</sup>                                                                                                                                         | Option                                                                       | Certification                                                                                                                        |
|-----------------------------------------|------------------|-----------------------------------------------------------------------|----------------------------------------------------------------------|------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| LBMP<br>Lumenbeam™<br>Medium<br>Pendant | 100<br>100 Volts | RGB<br>RGB                                                            | VN<br>Very Narrow<br>6° <sup>(7) (8)</sup>                           | ACAN<br>Adjustable<br>Sloped<br>Ceiling<br>Canopy<br><br>SCAN<br>Straight Stem<br>Canopy | 12<br>305 mm                                                               | LSLH<br>Linear<br>Spread Lens<br>Horizontal<br>Distribution<br><sup>(13)</sup><br><br>LSLV<br>Linear<br>Spread Lens<br>Vertical<br>Distribution<br><sup>(13)</sup> | BK<br>Black<br>Sandtex®   | LT<br>Lumentalk <sup>(9)</sup><br><sup>(19) (20)</sup><br><br>DMX/RDM<br>DMX/RDM<br>Enabled <sup>(21)</sup><br><br>DALI8<br>DALI 2 T8<br>Control <sup>(6) (22)</sup> | CRC<br>Corrosion-<br>Resistant<br>Coating <sup>(23)</sup><br><sup>(24)</sup> | UL<br>UL Compliant<br><sup>(25)</sup><br><br>CE<br>CE<br>Compliant<br><br>CEII<br>CE<br>Compliant<br>Class II<br>Double<br>Insulated |
|                                         | 120<br>120 Volts | RGBW30K<br>RGB + White<br>3000K <sup>(1)</sup>                        | NS<br>Narrow Spot<br>10° <sup>(7)</sup>                              |                                                                                          | 24<br>610 mm                                                               |                                                                                                                                                                    | BRZ<br>Bronze<br>Sandtex® |                                                                                                                                                                      |                                                                              |                                                                                                                                      |
|                                         | 208<br>208 Volts | RGBW40K<br>RGB + White<br>4000K <sup>(1)</sup>                        | NF<br>Narrow Flood<br>20° <sup>(7)</sup>                             |                                                                                          | 36<br>914 mm                                                               |                                                                                                                                                                    | SI<br>Silver<br>Sandtex®  |                                                                                                                                                                      |                                                                              |                                                                                                                                      |
|                                         | 220<br>220 Volts | RGBA<br>RGB + Amber                                                   | M<br>Medium 30°<br><sup>(7)</sup>                                    |                                                                                          | 48<br>1219 mm                                                              |                                                                                                                                                                    | WH<br>Smooth<br>White     |                                                                                                                                                                      |                                                                              |                                                                                                                                      |
|                                         | 240<br>240 Volts | MRGBA<br>Opticolor<br>with MRGBA<br>Amber <sup>(1) (2)</sup>          | FL<br>Flood 40° <sup>(7)</sup>                                       |                                                                                          | BKTX<br>Textured<br>Black                                                  |                                                                                                                                                                    |                           |                                                                                                                                                                      |                                                                              |                                                                                                                                      |
|                                         | 277<br>277 Volts | MRGBWP<br>MRGBW With<br>Opticolor+™<br><sup>(2) (3) (4) (5) (6)</sup> | WFL<br>Wide Flood<br>60° <sup>(7)</sup>                              |                                                                                          | BRZTX<br>Textured<br>Bronze Non-<br>Metallic                               |                                                                                                                                                                    |                           |                                                                                                                                                                      |                                                                              |                                                                                                                                      |
|                                         |                  |                                                                       | VWFL<br>Very Wide<br>Flood 90° <sup>(7)</sup><br><sup>(9) (10)</sup> |                                                                                          | GRATX<br>Textured<br>Medium<br>Grey                                        |                                                                                                                                                                    |                           |                                                                                                                                                                      |                                                                              |                                                                                                                                      |
|                                         |                  |                                                                       | NAS<br>Narrow<br>Asymmetric<br><sup>(7) (8)</sup>                    |                                                                                          | GRNTX<br>Textured<br>Green                                                 |                                                                                                                                                                    |                           |                                                                                                                                                                      |                                                                              |                                                                                                                                      |
|                                         |                  |                                                                       | WW<br>Asymmetric<br>Wallwash <sup>(7)</sup><br><sup>(8)</sup>        |                                                                                          | WHTX<br>Textured<br>White                                                  |                                                                                                                                                                    |                           |                                                                                                                                                                      |                                                                              |                                                                                                                                      |
|                                         |                  |                                                                       |                                                                      |                                                                                          | CC<br>Custom<br>Colour &<br>Finish <sup>(15) (16)</sup><br><sup>(17)</sup> |                                                                                                                                                                    |                           |                                                                                                                                                                      |                                                                              |                                                                                                                                      |
|                                         |                  |                                                                       |                                                                      |                                                                                          |                                                                            |                                                                                                                                                                    |                           |                                                                                                                                                                      |                                                                              |                                                                                                                                      |

Notes:

1. Consult factory for availability of other colour options such as Royal Blue.  
2. Not available for VN, NAS and WW optics.  
3. MRGBWP can be configured to MRGB via RDM, consult factory for more details.  
4. Consult factory for the availability of more colour and CCT options (e.g. royal blue).  
5. Fixtures are shipped from the factory in Optidrive™ Mode. Normal Mode can be activated onsite for DMX/RDM and LT fixtures. For DMX/RDM applications, Optidrive Mode requires a LumentalkID, LumentalkID software and onsite commissioning. Additionally, with Opticolor+™ the white CCT is configurable in the field from 1800K-8000K.  
6. Consult factory for DALIT8 applications with MRGBWP and a CCT other than 3000K.  
7. Factory installed, not interchangeable on site.  
8. Not available with MRGBA and MRGBWP colour temperature options.  
9. Available with MRGBA and MRGBWP colour temperature options only.  
10. Cannot be combined with other optics.  
11. Consult factory for custom stem lengths.  
12. Optical options are factory installed and cannot be changed in the field.  
13. Field adjustable spread lens optical accessory available, order separately.

14. Not available with WFL, VWFL, NAS and WW optics.  
15. Lumenpulse offers a wide selection of RAL CLASSIC (K7) colours with a smooth texture and high-gloss finish. Please consult factory for a list of available K7 colours, other RAL textures and glosses, or to match alternate colour charts. Final colour matching results may vary.  
16. Setup charges apply for RAL colours. Consult factory for details.  
17. Longer lead times can be expected for custom RAL colour finishes.  
18. For RGB, RGBW30K, RGBW40K and RGBA applications, a 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.  
19. A Lumentranslator 2 (LTL2) and LumentalkID (LIDL1) must be specified for Lumentalk applications. Consult Lumentranslator 2 and Lumentalk pages and specification sheets for details.  
20. Not available with CEII certification option.  
21. A control box (CBX) and LumenID (LID) must be specified.  
22. DALI 2 T8 controller required, provided by others. DALI2 T8 control uses a single DALI short address.  
23. Use only when exposed to salt spray. This option is not required for normal outdoor exposure.  
24. Setup charges apply. Consult factory for details.  
25. Consult North American specification sheets and installation instructions for UL wiring information.