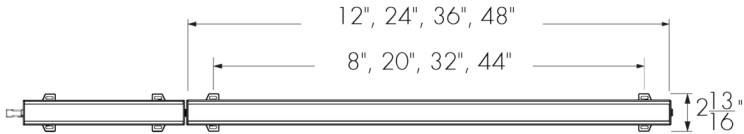


Project Name

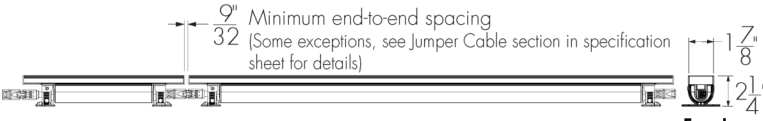
Qty

Type

Catalog / Part Number



Top View  
ST Mounting Option Shown



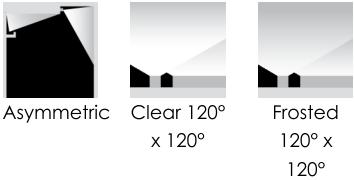
Front and Side Views

Photometric Summary (13 W/ft)

|    | Delivered Output (lm) |
|----|-----------------------|
| AB | 4,364                 |
| CL | 5,361                 |
| FR | 4,519                 |

1. Based on 4000K, full output, 48 in.  
2. Photometric performance is measured in compliance with IESNA LM-79-24.  
3. Refer to the Lumencore Linear Cove Dynamic White Photometric Guide on Lumenpulse website for information on other color temperatures.

Optic




Description

The Lumencore Linear Cove Dynamic White is an innovative lighting solution that brings flexibility and elegance to any architectural space. Using Optidrive and Optiwhite+ technology to deliver seamless transitions between warm and cool white light, this luminaire enhances the ambiance with its customizable color temperature settings. With high CRI and R9 values, it ensures accurate color rendering and visual comfort, making it ideal for both functional and aesthetic applications. The sleek, low-profile design allows for easy integration into cove installations, while precise optics provide uniform illumination that highlights architectural details and creates a welcoming atmosphere. Perfect for environments where ambiance and well-being are prioritized, the Lumencore Linear Cove Dynamic White is the ideal choice for modern lighting projects.


Features

|                             |  |
|-----------------------------|--|
| Length (Nominal)            | 12: 12 in, 24: 24 in, 36: 36 in, 48: 48 in   |
| Color and Color Temperature | CDTW: Custom CCT Range Dim to Warm (6500K to 1800K)<br>CDWH: Custom CCT Range Dynamic White (1800K to 6500K)<br>CCFX: Custom Fixed Color Temperature<br>DTW: Dim to Warm (2700K to 2200K)<br>DTWP: Dim to Warm Plus (3500K to 1800K)<br>DWW: Dynamic Warm White (2200K to 3000K)<br>DWWP: Dynamic Warm White Plus (2200K to 3500K)<br>DWH: Dynamic White (2700K to 6500K)<br>PCP: Pastel Red, Green, Blue (Phosphor Converted) |
| Optic                       | AB: Asymmetric<br>CL: Clear 120° x 120°<br>FR: Frosted 120° x 120°   |
| Compact Mounting Options    | ST: Standard Mounting<br>SM: Slim Adjustable Mounting Continuously Adjustable  |


Color and Color Temperature




Custom CCT Range Dim to Warm (6500K to 1800K)




Custom CCT Range Dynamic White (1800K to 6500K)




Custom CCT Fixed




Dynamic White (2700K to 6500K)




Dim to Warm (2700K to 2200K)




Dim to Warm Plus (3500K to 1800K)



Dynamic Warm White (2200K to 3000K)



Dynamic Warm White Plus (2200K to 3500K)



Pastel Red, Green, Blue (Phosphor Converted)

Control

0-10V    DALI 2 T6    DALI 2 T8    DMX/RDM

Certifications



|                              |  |   |
|------------------------------|--|---|
| Wall Mounting Options        | <b>WMC3:</b> Wall Mounting<br>Continuously Adjustable 3 in<br>to Optical Center<br><b>WMC6:</b> Wall Mounting<br>Continuously Adjustable 6 in<br>to Optical Center<br><b>WMC18:</b> Wall Mounting<br>Continuously Adjustable<br>18 in to Optical Center  | <b>WMC4:</b> Wall Mounting<br>Continuously Adjustable 4 in<br>to Optical Center<br><b>WMC12:</b> Wall Mounting<br>Continuously Adjustable<br>12 in to Optical Center<br><b>WMC24:</b> Wall Mounting<br>Continuously Adjustable<br>24 in to Optical Center |
| Finish                       | <b>MWH:</b> Matte White<br><b>MBK:</b> Matte Black<br><b>CC:</b> Custom Color and Finish (Please Specify RAL Color)<br><b>SP:</b> Special Color (Choose From Standard Point Source<br>Color Palette)   |   |
| Cable Color                  | <b>WH:</b> White<br><b>BK:</b> Black   |   |
| Optical Accessories          | <b>BS:</b> Beam Softener<br><b>VS:</b> Visor<br><b>LV:</b> Louver<br><b>HL:</b> Honeycomb Louver<br><b>SN:</b> Snoot<br><b>SH:</b> Shield  |   |
| Warranty                     | 5-year limited warranty  |   |
| Performance                  |  |   |
| Maximum Delivered Output     | Up to 1351 lm<br>(4 W/ft, 4 ft fixture, PCP/4000K full output, Clear 120° x 120°)<br>Up to 2734 lm<br>(7 W/ft, 4 ft fixture, PCP/4000K full output, Clear 120° x 120°)<br>Up to 4074 lm<br>(10 W/ft, 4 ft fixture, PCP/4000K full output, Clear 120° x<br>120°)<br>Up to 5361 lm<br>(13 W/ft, 4 ft fixture, PCP/4000K full output, Clear 120° x<br>120°) |   |
| Color Rendering              | CRI 80+ typ. 1800K<br>CRI 90+ typ. 2000K-2400K, 5000K-6500K<br>CRI 95+ (2700K-4500K)   |   |
| Color Consistency            | 3 SDCM   |   |
| Lumen Maintenance            | L70>54,000 hrs Ta 77 °F (TM-21 reported)<br>L70>100,000 hrs Ta 77 °F (projected)*<br>L95=21,400 hrs Ta 77 °F (TM-21 reported)<br>*Estimated based on in-situ case temperature and LM-80<br>report  |   |
| Physical                     |  |   |
| Housing Material             | Aluminum   |   |
| Diffuser Material            | Polymethyl methacrylate (PMMA)   |   |
| AB Asymmetric Optic Material | Polymethyl methacrylate (PMMA) with PC Cover   |   |
| End Cap Material             | Die cast aluminum  |   |

|        |                          |
|--------|--------------------------|
| Weight | 1.46 lbs (12 in fixture) |
|        | 2.67 lbs (24 in fixture) |
|        | 3.6 lbs (36 in fixture)  |
|        | 5.47 lbs (48 in fixture) |

Electrical and Control

|                       |  |
|-----------------------|--|
| Voltage               | 120 Volts to 277 Volts   |
| Wattage               | <b>4W:</b> 4 W/ft, <b>7W:</b> 7 W/ft, <b>10W:</b> 10 W/ft, <b>13W:</b> 13 W/ft   |
| Control               | <b>PDA1:</b> Professional 0-10V Dimming 0.1% Linear Curve<br><b>PDA2:</b> Professional 0-10V Dimming 0.1% Logarithmic Curve<br><b>DALI:</b> DALI 2 T6 Enabled Dimming 0.1%<br><b>DALI8:</b> DALI 2 T8 Enabled Dimming 0.1%<br><b>DMX/RDM:</b> DMX/RDM Enabled Dimming 0.1% |
| Flicker               | Designed to comply with recommended practices of IEEE 1789:2015  |
| Inrush Current (Peak) | Meets NEMA-410 requirements  |

Accessories - Optional (Order Separately)

|                          |   |
|--------------------------|---|
| Cables                   | <b>LCVALC:</b> Lumencore Linear Leader Cable<br><b>LCVAJC:</b> Lumencore Linear Jumper Cable  |
| Control Boxes            | <b>CBX-DMX/RDM:</b> DMX/RDM enabled (Daisy Chain or Star Configuration)<br><b>CBX-ENET:</b> Ethernet enabled (Daisy Chain or Star Configuration)<br><b>LDBI:</b> Lumentalk Data Bridge Indoor<br><b>WC:</b> Wiring Compartment (LCV/A Configuration)<br><b>SDB2C:</b> 2-Channel Smart Data Bridge |
| Installation Accessories | <b>LCVAT:</b> Lumencore Linear Alignment Track<br><b>LCVARC:</b> Lumencore Linear Alignment Track Cover   |

Environmental

|                           |   |
|---------------------------|---|
| Storage Temperature       | -40 °F to 122 °F                                  |
| Start-up Temperature      | -4 °F to 122 °F                                   |
| Operating Temperature     | -40 °F to 122 °F                                  |
| Environment               | Damp location rating (interior applications only) |
| Ingress Protection Rating | IP20  |

Important

Virtual Patent Marking Notice

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

Photometric Information

4 W/ft (3000K)

|    | Delivered Output (lm) |
|----|-----------------------|
| AB | 1,163                 |
| CL | 1,279                 |
| FR | 1,079                 |

7 W/ft (3000K)

|    | Delivered Output (lm) |
|----|-----------------------|
| AB | 2,354                 |
| CL | 2,589                 |
| FR | 2,183                 |

10 W/ft (3000K)

|    | Delivered Output (lm) |
|----|-----------------------|
| AB | 3,141                 |
| CL | 3,858                 |
| FR | 3,253                 |

13 W/ft (3000K)

|    | Delivered Output (lm) |
|----|-----------------------|
| AB | 4,133                 |
| CL | 5,077                 |
| FR | 4,280                 |

Based on 48 in fixture length, full output.

Consult website for IES files. Delivered output: +/- 10% tolerance.  
Photometric performance is measured in compliance with IESNA LM-79-24.

Refer to Photometric Guide on Lumenpulse website for information on other color temperatures.

4 W/ft (4000K)

|    | Delivered Output (lm) |
|----|-----------------------|
| AB | 1,304                 |
| CL | 1,351                 |
| FR | 1,139                 |

7 W/ft (4000K)

|    | Delivered Output (lm) |
|----|-----------------------|
| AB | 2,639                 |
| CL | 2,734                 |
| FR | 2,305                 |

10 W/ft (4000K)

|    | Delivered Output (lm) |
|----|-----------------------|
| AB | 3,317                 |
| CL | 4,074                 |
| FR | 3,435                 |

13 W/ft (4000K)

|    | Delivered Output (lm) |
|----|-----------------------|
| AB | 4,364                 |
| CL | 5,361                 |
| FR | 4,519                 |

Based on 48 in fixture length, full output.

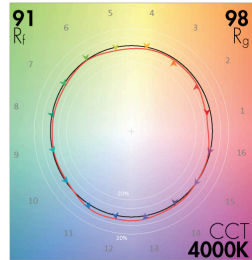
Consult website for IES files. Delivered output: +/- 10% tolerance.  
Photometric performance is measured in compliance with IESNA LM-79-24.

Refer to Photometric Guide on Lumenpulse website for information on other color temperatures.

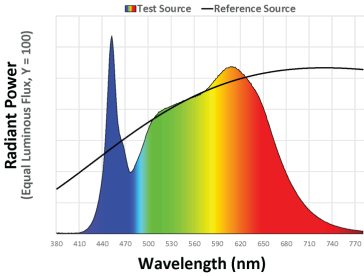
Chromaticity Data

TM-30 - 4000K

| CCT   | CIE            |    | TM-30 |                |
|-------|----------------|----|-------|----------------|
| 4000K | R <sub>a</sub> | 94 | 91    | R <sub>f</sub> |
|       | R <sub>g</sub> | 61 | 98    | R <sub>g</sub> |



Spectral Power Distribution



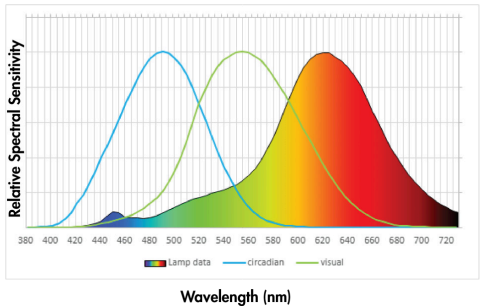
Refer to Spectral Information download on Lumenpulse website for more information.

Spectral Information

|       | CRI  | R9 | M/P Ratio | MDER   |
|-------|------|----|-----------|--------|
| 1800K | 82.4 | 16 | 0.265     | 0.2406 |
| 2000K | 88.3 | 35 | 0.315     | 0.2852 |
| 2200K | 89.5 | 36 | 0.360     | 0.3258 |
| 2400K | 91.3 | 44 | 0.425     | 0.3855 |
| 2700K | 93   | 51 | 0.498     | 0.4511 |
| 3000K | 93.8 | 56 | 0.563     | 0.5103 |
| 3200K | 94.1 | 57 | 0.603     | 0.5463 |
| 3500K | 94.2 | 60 | 0.660     | 0.5984 |
| 4000K | 93.9 | 61 | 0.742     | 0.6731 |
| 4500K | 94.1 | 65 | 0.818     | 0.7419 |
| 5000K | 92.1 | 55 | 0.881     | 0.7992 |
| 5500K | 91.5 | 53 | 0.933     | 0.8460 |
| 5700K | 91.5 | 53 | 0.954     | 0.8651 |
| 6000K | 91.4 | 54 | 0.986     | 0.8940 |
| 6500K | 91.2 | 53 | 1.028     | 0.9321 |

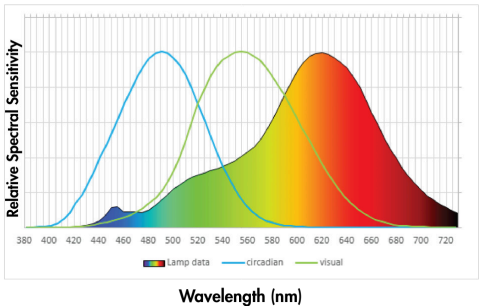
M/P: Melanopic/Photopic Ratio  
MDER: Melanopic Daylight Equivalence Ratio

1800K



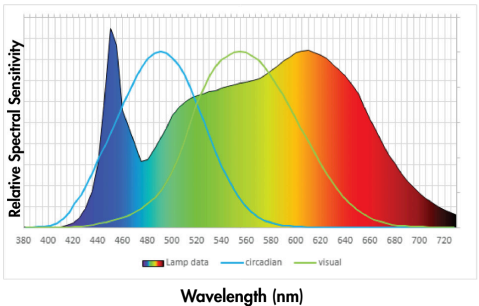
Recommended for Night/Rest

2200K




Recommended for Evening/Calm


4000K





Recommended for Day/Alertness


SP - Special Colours (Palette for Fixture and Shield Finish)


  
MBR - Matte brown


  
MOR - Matte orange


  
MGR - Matte green


  
MBL - Matte blue


  
MSI - Matte silver


  
GWH - Glossy white


  
GBK - Glossy black


  
GYL - Glossy yellow


  
GLR - Glossy red

  
GVI - Glossy violet

  
GGR - Glossy green

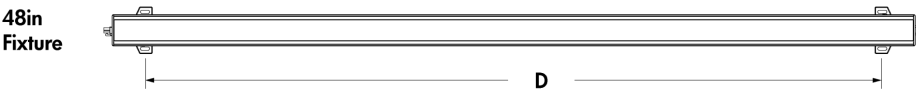
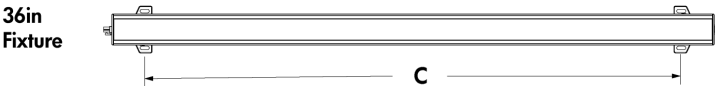
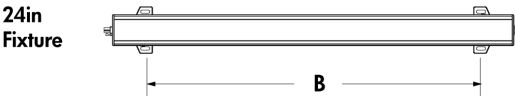
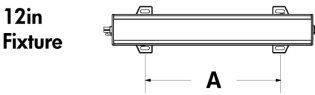
  
GIY - Glossy ivory

  
MLG - Metalized grey

  
IBR - Italian brick red

Mounting Bracket Placement

ST - Standard Mounting



Top view

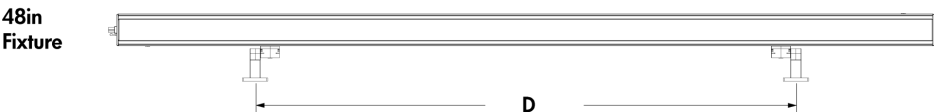
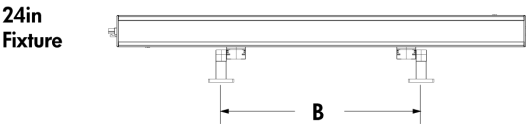
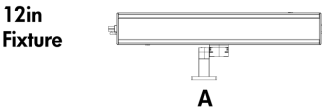
Fixed Dimensions Between Brackets

- A - 8 in
- B - 20 in
- C - 32 in
- D - 44 in

Mounting Bracket Placement (Minimum and Maximum Distances)

SM - Slim Adjustable Mounting

WMC - Wall Mounting Continuously Adjustable

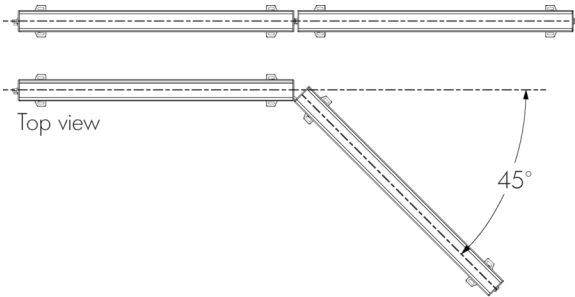


Top view

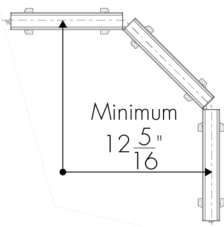
- A - Bracket in the center of the fixture
  - B - Minimum 10 in to maximum 16 in
  - C - Minimum 15 in to maximum 28 in
  - D - Minimum 20 in to maximum 40 in
- WMC3 mounting brackets shown.

Adjustment

Maximum Angle Adjustment

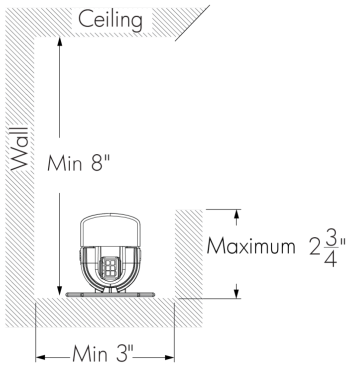


Minimum Radius

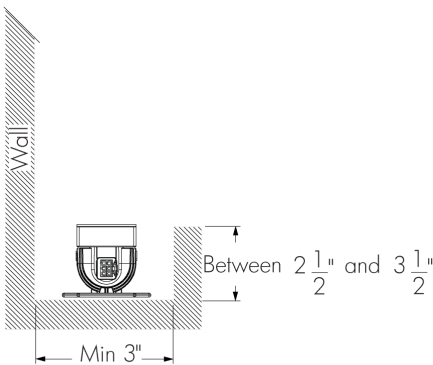


Suggested Cove Dimensions

Asymmetric Optic



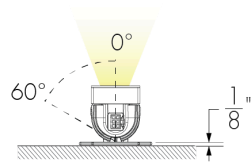
120°x120° (Clear or Frosted)



Fixture is shown with a 0° tilt adjustment. For best results, adjust fixture to 20° angle.

Mounting Options

ST - Standard Mounting



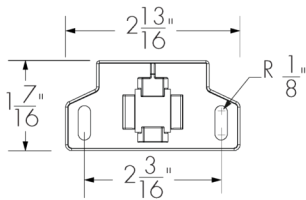
Two mountings brackets provided for all fixture lengths.

Weight of one ST Mounting Bracket: 0.02 lbs.

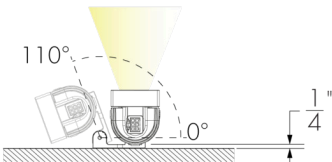
Weight of two ST Mounting Brackets: 0.04 lbs.

The weight of the mounting bracket is in addition to the weight of the fixture.

ST - Mounting Hole Pattern



SM - Slim Adjustable Mounting



The angle range will be impacted if optical accessories are added.

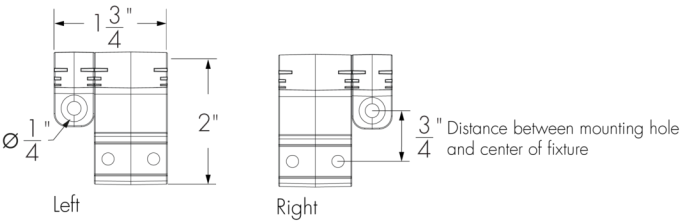
One mounting bracket provided for 12 in fixtures. Two mounting brackets provided for 24 in, 36 in and 48 in fixtures.

Weight of one SM Mounting Bracket: 0.09 lbs.

Weight of two SM Mounting Brackets: 0.19 lbs.

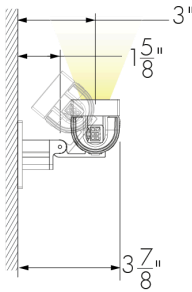
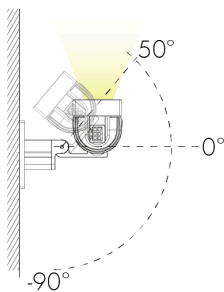
The weight of the mounting bracket is in addition to the weight of the fixture.

SM - Mounting Hole Pattern





WMC3 - Wall Mounting Continuous Adjustable 3 in to Optical Center



The angle range will be impacted if optical accessories are added.

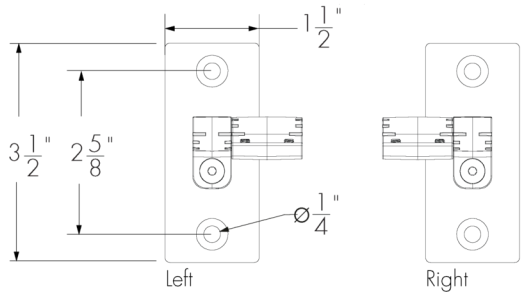
One mounting bracket provided for 12 in fixtures. Two mounting brackets provided for 24 in, 36 in and 48 in fixtures.

Weight of one WMC3 Mounting Bracket: 0.24 lbs.

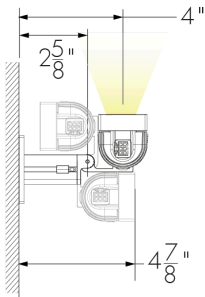
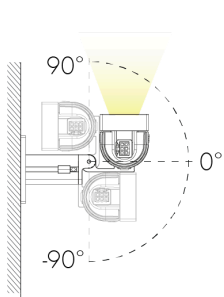
Weight of two WMC3 Mounting Brackets: 0.49 lbs.

The weight of the mounting bracket is in addition to the weight of the fixture.

WMC3 - Mounting Hole Pattern



WMC4 - Wall mounting Continuous adjustable 4 in to Optical Center



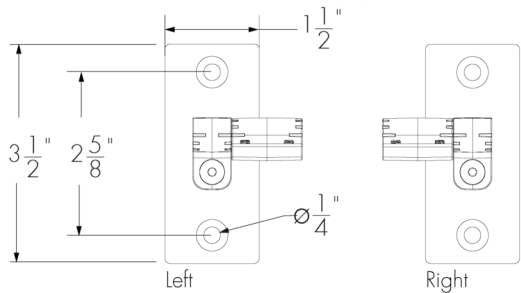
One mounting bracket provided for 12 in fixtures. Two mounting brackets provided for 24 in, 36 in and 48 in fixtures.

Weight of one WMC4 Mounting Bracket: 0.3 lbs.

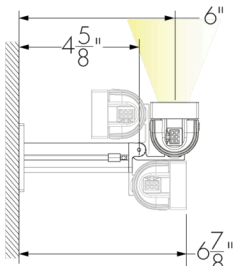
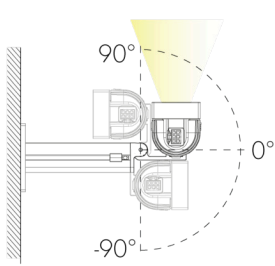
Weight of two WMC4 Mounting Brackets: 0.6 lbs.

The weight of the mounting bracket is in addition to the weight of the fixture.

WMC4 - Mounting Hole Pattern



WMC6 - Wall Mounting Continuous Adjustable 6 in to Optical Center



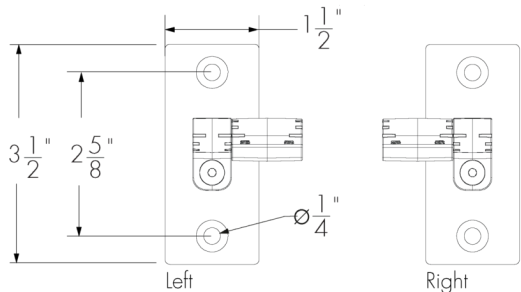
One mounting bracket provided for 12 in fixtures. Two mounting brackets provided for 24 in, 36 in and 48 in fixtures.

Weight of one WMC6 Mounting Bracket: 0.4 lbs.

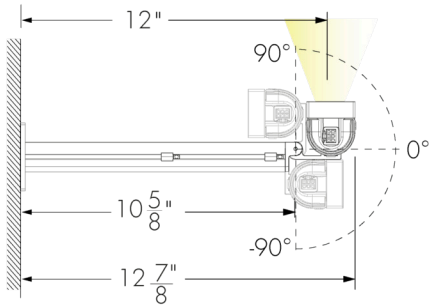
Weight of two WMC6 Mounting Brackets: 0.79 lbs.

The weight of the mounting bracket is in addition to the weight of the fixture.

WMC6 - Mounting Hole Pattern



WMC12 - Wall Mounting Continuous Adjustable 12 in to Optical Center



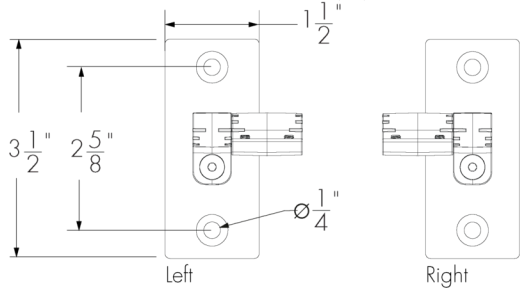
One mounting bracket provided for 12 in fixtures. Two mounting brackets provided for 24 in, 36 in and 48 in fixtures.

Weight of one WMC12 Mounting Bracket: 0.72 lbs.

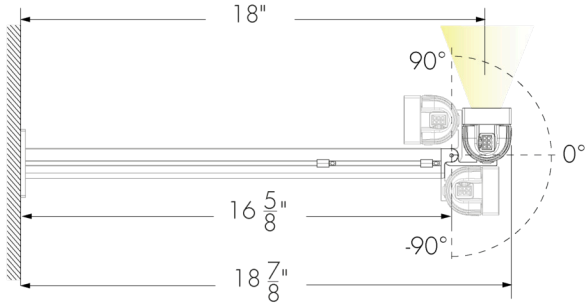
Weight of two WMC12 Mounting Brackets: 1.43 lbs.

The weight of the mounting bracket is in addition to the weight of the fixture.

WMC12 - Mounting Hole Pattern



WMC18 - Wall Mounting Continuous Adjustable 18 in to Optical Center



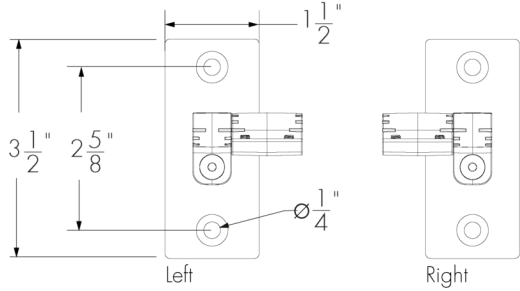
One mounting bracket provided for 12 in fixtures. Two mounting brackets provided for 24 in, 36 in and 48 in fixtures.

Weight of one WMC18 Mounting Bracket: 1.03 lbs.

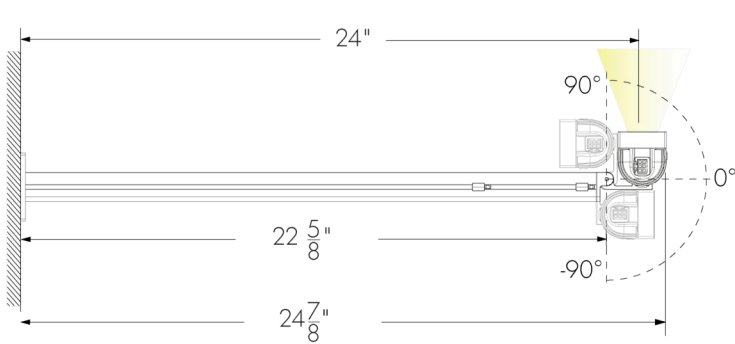
Weight of two WMC18 Mounting Brackets: 2.05 lbs.

The weight of the mounting bracket is in addition to the weight of the fixture.

WMC18 - Mounting Hole Pattern



WMC24 - Wall Mounting Continuous Adjustable 24 in to Optical Center



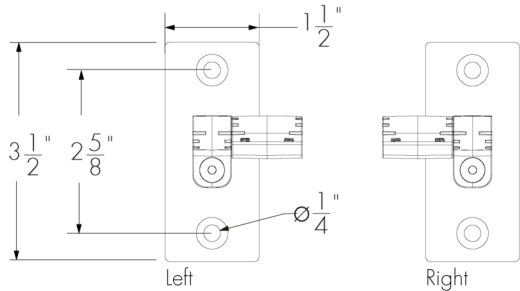
One mounting bracket provided for 12 in fixtures. Two mounting brackets provided for 24 in, 36 in and 48 in fixtures.

Weight of one WMC24 Mounting Bracket: 1.34 lbs.

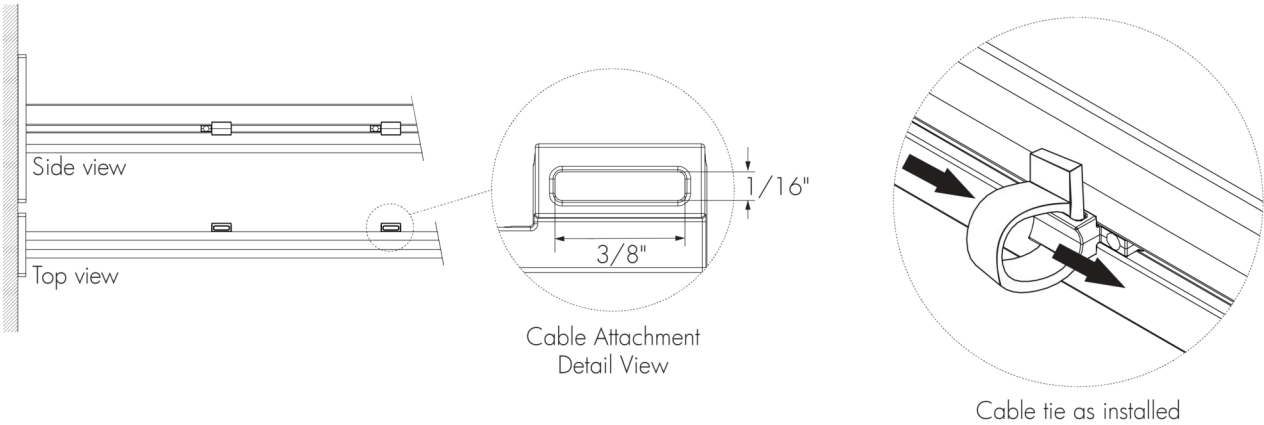
Weight of two WMC24 Mounting Brackets: 2.69 lbs.

The weight of the mounting bracket is in addition to the weight of the fixture.

WMC24 - Mounting Hole Pattern



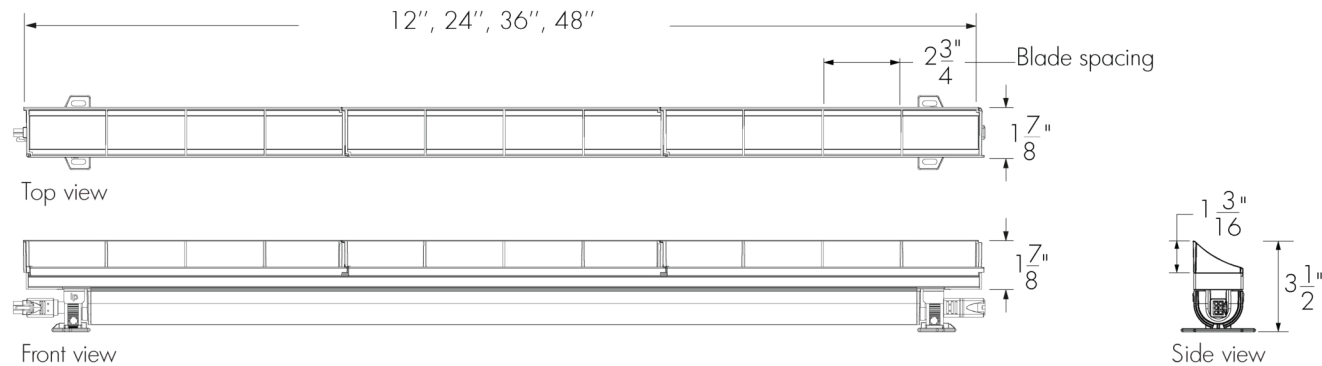
Cable Management System for Wall Mounting Brackets



No cable attachment provided for WMC3.  
One cable attachment provided for WMC4 & WMC6.  
Two cable attachments provided for WMC12 & WMC18.  
Three cable attachments provided for WMC24.  
Maximum cable tie size: 0.35 in width, 0.08 in in thickness.  
Cable ties are recommended, provided by others.

Accessories

VS - Visor



Accessories come in 12 in sections. 12 in Fixture requires 1 accessory, 24 in fixture requires 2 accessories, 36 in fixture requires 3 accessories, 48 in fixture requires 4 accessories.

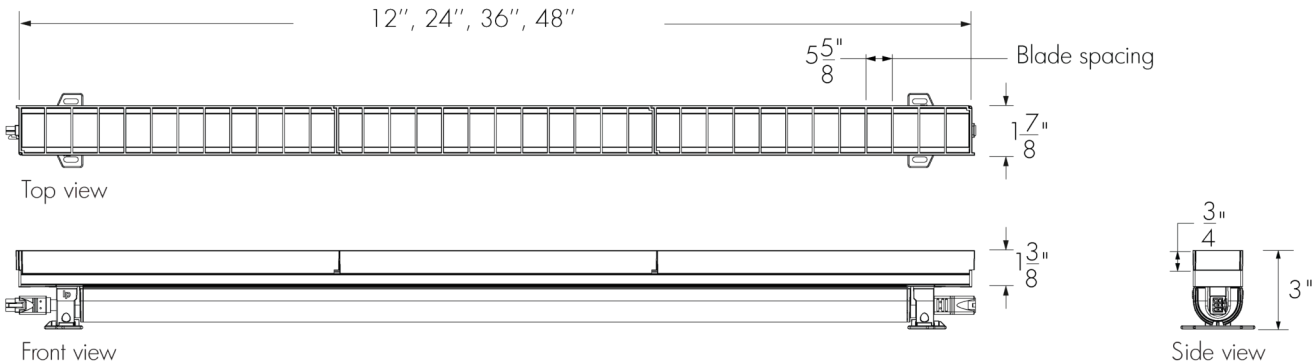
Weight of 1 accessory: 0.1 lbs, weight of 2 accessories: 0.2 lbs, weight of 3 accessories: 0.3 lbs, weight of 4 accessories: 0.4 lbs.

Note: The weight of the accessory is in addition to the weight of the fixture.

- A Visor will affect beam distribution. Consult factory for application support.
- The Visor is field installable. The Visor can be combined with the Shield accessory; all other combinations are not possible.
- The exterior finish of the accessory will match the finish specified in the fixture order code. Interior surface is matte black.

Not available for AB Asymmetric Optic.

LV - Louver



Accessories come in 12 in sections. 12 in Fixture requires 1 accessory, 24 in fixture requires 2 accessories, 36 in fixture requires 3 accessories, 48 in fixture requires 4 accessories.

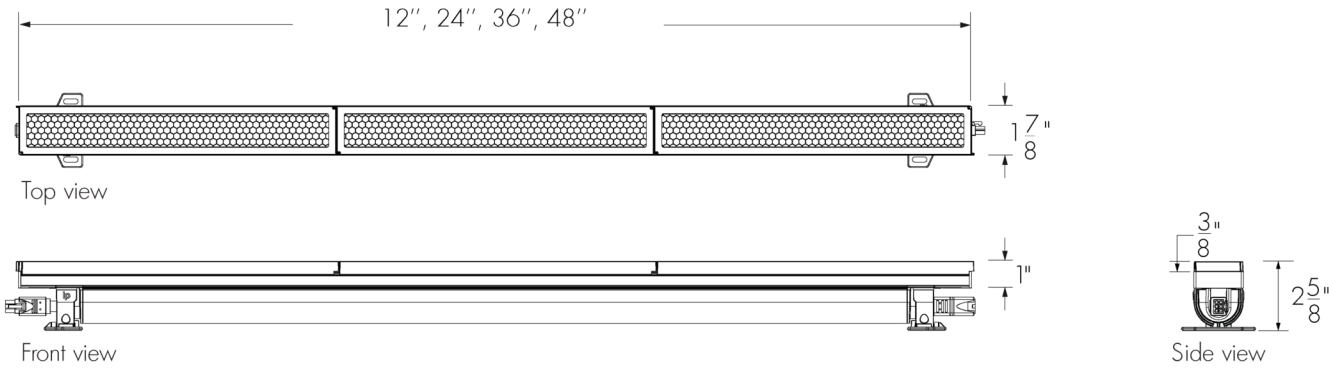
Weight of 1 accessory: 0.13 lbs, weight of 2 accessories: 0.26 lbs, weight of 3 accessories: 0.4 lbs, weight of 4 accessories: 0.53 lbs.

Note: The weight of the accessory is in addition to the weight of the fixture.

- A Louver will affect beam distribution. Consult factory for application support.
- The Louver is field installable. The Louver can be combined with the Shield accessory; all other combinations are not possible.
- The exterior finish of the accessory will match the finish specified in the fixture order code. Interior surface is matte black.

Not available for AB Asymmetric Optic.

HL - Honeycomb Louver



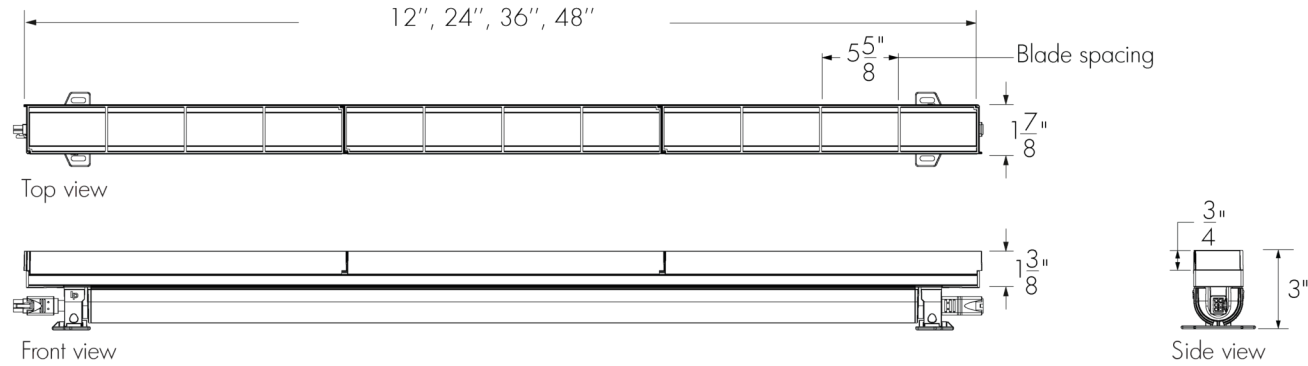
Accessories come in 12 in sections. 12 in Fixture requires 1 accessory, 24 in fixture requires 2 accessories, 36 in fixture requires 3 accessories, 48 in fixture requires 4 accessories.

Weight of 1 accessory: 0.09 lbs, weight of 2 accessories: 0.18 lbs, weight of 3 accessories: 0.26 lbs, weight of 4 accessories: 0.35 lbs.  
Note: The weight of the accessory is in addition to the weight of the fixture.

- A Honeycomb Louver will affect beam distribution. Consult factory for application support.
- The Honeycomb Louver is field installable. The Honeycomb Louver can be combined with the Shield accessory; all other combinations are not possible.
- The exterior finish of the accessory will match the finish specified in the fixture order code. Interior surface is matte black.

Not available for AB Asymmetric Optic.

SN - Snoot



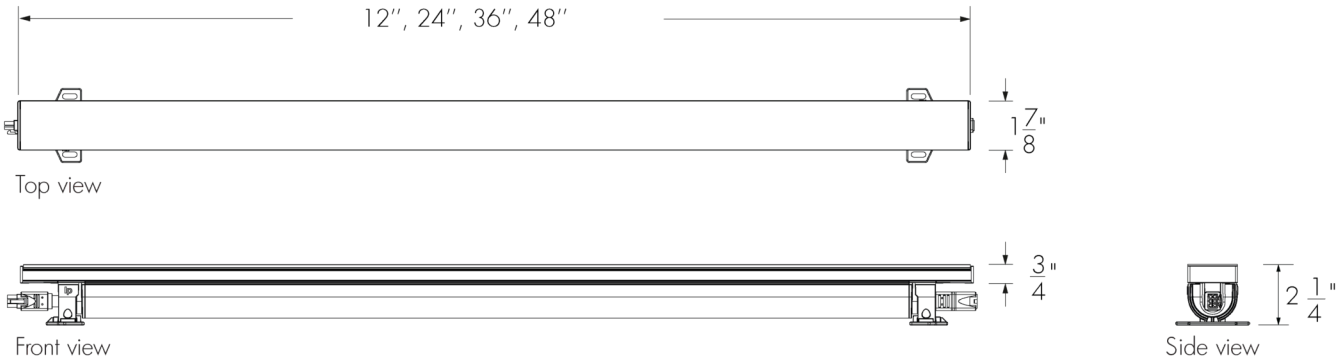
Accessories come in 12 in sections. 12 in Fixture requires 1 accessory, 24 in fixture requires 2 accessories, 36 in fixture requires 3 accessories, 48 in fixture requires 4 accessories.

Weight of 1 accessory: 0.1 lbs, weight of 2 accessories: 0.2 lbs, weight of 3 accessories: 0.3 lbs, weight of 4 accessories: 0.4 lbs.  
Note: The weight of the accessory is in addition to the weight of the fixture.

- A Snoot will affect beam distribution. Consult factory for application support.
- The Snoot is field installable. The Snoot can be combined with the Shield accessory; all other combinations are not possible.
- The exterior finish of the accessory will match the finish specified in the fixture order code. Interior surface is matte black.

Not available for AB Asymmetric Optic.

BS - Beam Softener

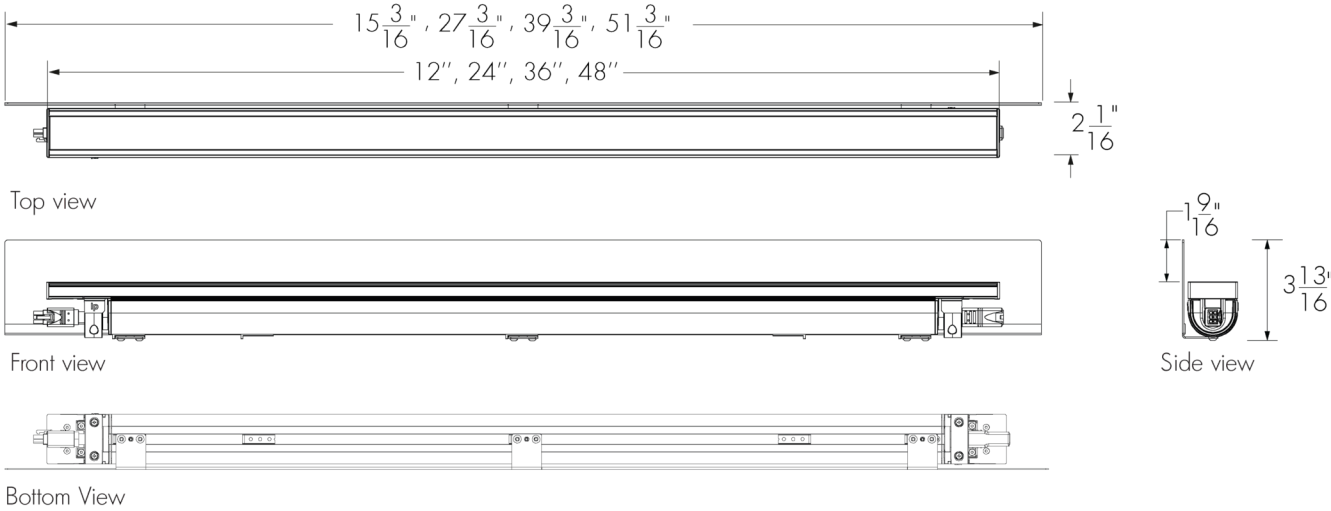


Weight of 12 in accessory: 0.07 lbs, weight of 24 in accessory: 0.13 lbs, weight of 36 in accessory: 0.2 lbs, weight of 48 in accessory: 0.26 lbs.  
Note: The weight of the accessory is in addition to the weight of the fixture.

- A Beam Softener will affect beam distribution. Consult factory for application support.
- The Beam Softener is field installable. The Beam Softener can be combined with the Shield accessory; all other combinations are not possible.
- The exterior finish of the accessory will match the finish specified in the fixture order code. Interior surface is matte black.

Not available for AB Asymmetric Optic.

SH - Shield



Weight of 12 in accessory: 0.31 lbs, weight of 24 in accessory: 0.55 lbs, weight of 36 in accessory: 0.79 lbs, weight of 48 in accessory: 1.05 lbs.  
Note: The weight of the accessory is in addition to the weight of the fixture.

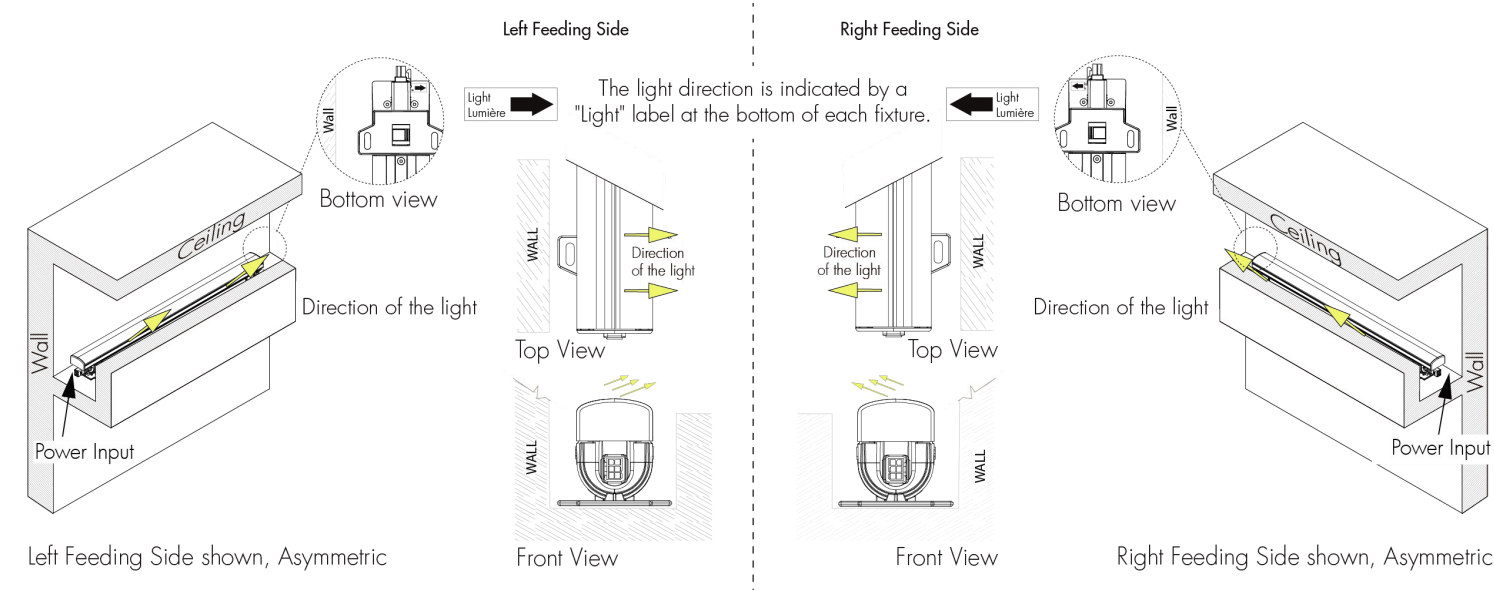
- The Shield can only be used with WMC or SM mounting options.
- A Shield will affect beam distribution. Consult factory for application support.
- The Shield is field installable. The Shield can be combined with one other accessory.
- The exterior finish of the accessory will match the finish specified in the fixture order code (interior surface painted matte black).

Not available for AB Asymmetric Optic.

Weight Table

|     |              | Weight (lbs)               |                    |                     |                               |                    |                     |
|-----|--------------|----------------------------|--------------------|---------------------|-------------------------------|--------------------|---------------------|
|     | Fixture Only | Fixture With Beam Softener | Fixture With Visor | Fixture With Louver | Fixture With Honeycomb Louver | Fixture With Snoot | Fixture With Shield |
| 1ft | 1.39         | 1.46                       | 1.49               | 1.52                | 1.48                          | 1.49               | 1.7                 |
| 2ft | 2.78         | 2.91                       | 2.98               | 3.04                | 2.95                          | 2.98               | 3.4                 |
| 3ft | 4.17         | 4.37                       | 4.46               | 4.56                | 4.43                          | 4.46               | 5.09                |
| 4ft | 5.56         | 5.82                       | 5.95               | 6.08                | 5.91                          | 5.95               | 6.79                |

Asymmetric Optic Details



Wiring Color Code

PDA1, PDA2, DALI or DALI8

| UL Color Code | Use     |
|---------------|---------|
| Green         | Ground  |
| Black         | Line    |
| White         | Neutral |
| Purple        | Data +  |
| Pink          | Data -  |

DMX/RDM

| UL Color Code | Use         |
|---------------|-------------|
| Green         | Ground      |
| Black         | Line        |
| White         | Neutral     |
| Red           | Data +      |
| Grey          | Data Return |
| Orange        | Data -      |

Maximum Fixture Run Length Table

Lumencore Linear 4W/ft

|                         | 120V  | 277V  |
|-------------------------|-------|-------|
| Maximum Run of Fixtures | 284ft | 664ft |

Lumencore Linear 7W/ft

|                         | 120V  | 277V  |
|-------------------------|-------|-------|
| Maximum Run of Fixtures | 172ft | 400ft |

Lumencore Linear 10W/ft

|                         | 120V  | 277V  |
|-------------------------|-------|-------|
| Maximum Run of Fixtures | 124ft | 284ft |

Lumencore Linear 13W/ft

|                         | 120V | 277V  |
|-------------------------|------|-------|
| Maximum Run of Fixtures | 96ft | 224ft |

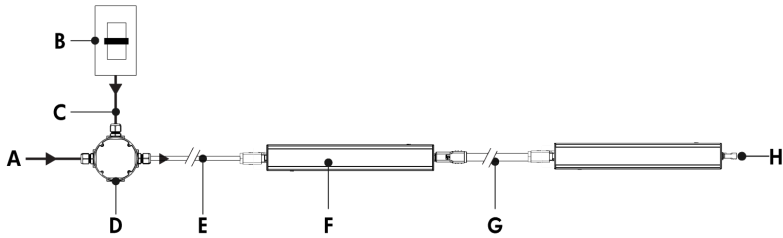
Based on 48 in fixtures, power limitations only, and a 10 ft Leader Cable for an end-to-end run, with no Jumper Cables between fixtures. Restrictions may apply based on control type.

The current in the Leader Cable shall not exceed 11A, and the voltage on any fixture shall not be lower than 90V during steady-rate operation. Refer to Typical Wiring Diagrams for Control Protocol specific run length rules.



Typical Wiring Diagrams

0-10V Dimming 0.1% Linear (PDA1) or 0.1% Logarithmic (PDA2)

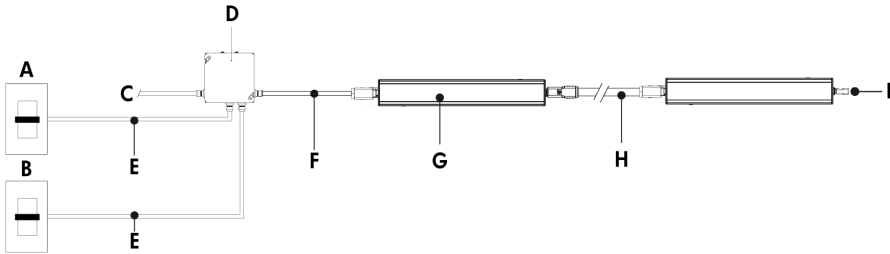


- A - Power input (120 to 277V, wiring by others)
- B - Third-party dimmer
- C - Data wiring (by others)
- D - Junction box (by others)
- E - Leader Cable (LCVALC MDR3P2D)
- F - Lumencore Linear
- G - Jumper Cable (optional, LCVAJC MDR3P2D)
- H - End Cap

0-10V mA ratings: passive dimmer (Current Sink): 1mA per fixture, active dimmer (Current Source): 0.5mA per fixture.

Less than 0.1% minimum dimming value.

0-10V Dimming 0.1% Linear (PDA1) or 0.1% Logarithmic (PDA2) With 2-Channel Smart Data Bridge

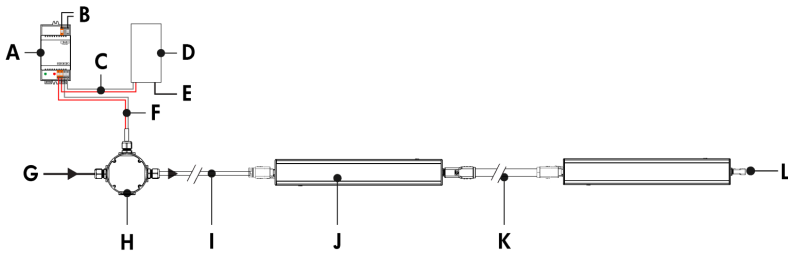


- A - Color temperature: Data input from third-party dimmer #1
- B - Intensity: Data input from third-party dimmer #2
- C - Power input (120 to 277V, wiring by others)
- D - 2-Channel Smart Data Bridge (SDB2C)
- E - Data wiring (by others)
- F - Leader Cable (LCVALC MDR3P2D)
- G - Lumencore Linear with DMX/RDM Control
- H - Jumper Cable (optional, LCVAJC MDR3P2D)
- I - DMX/RDM Terminator

0-10V mA ratings: passive dimmer (Current Sink): 1mA per fixture, active dimmer (Current Source): 0.5mA per fixture.

Less than 0.1% minimum dimming value.

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 - DALI controller (by others)
- E - Power input for DALI controller (if required, wiring by others)
- F - Data output to fixture (wiring by others)
- G - Power input (120 to 277V, wiring by others)
- H - Junction box (by others)
- I - Leader Cable (LCVALC MDR3P2D)
- J - Lumencore Linear
- K - Jumper Cable (optional, LCVAJC MDR3P2D)
- L - End Cap

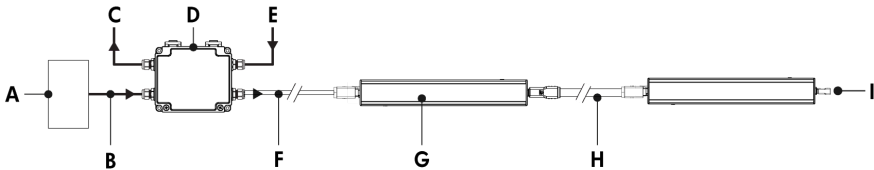
64 DALI addressable device limitation (each fixture is an addressable device).

DALI does not allow for control by foot, only by fixture.

Commissioning may be required based on the selection of 3rd party DALI controller. Controller and commissioning provided by others.

Less than 0.1% minimum dimming value.

Daisy Chain Layout (DMX/RDM)



- A - Third-party DMX/RDM controller
- 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 (120 to 277V, wiring by others)
- F - Leader Cable (LCVALC MDR3P3D)
- G - Lumencore Linear
- H - Jumper Cable (optional, LCVAJC MDR3P3D)
- I - DMX/RDM Terminator

Consult CBX installation instructions for additional wiring details.

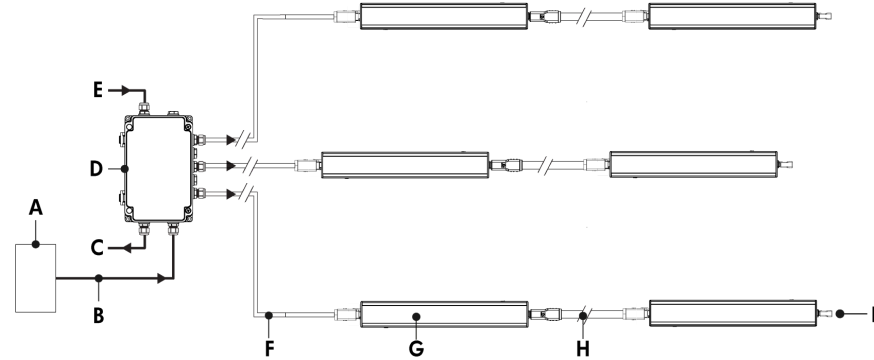
800 ft maximum DMX/RDM "Bus" length.

1 DMX universe = 128 @ 4-channel controllable segments.

Maximum of 4 DMX/RDM repeaters/CBX cascading in line.

Maximum of 6 outputs per CBX-ST; maximum of 1 output per CBX-DS.

Star Layout (DMX/RDM)



- A - Third-party DMX/RDM controller
- 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 (120 to 277V, wiring by others)
- F - Leader Cable (LCVALC MDR3P3D)
- G - Lumencore Linear
- H - Jumper Cable (optional, LCVAJC MDR3P3D)
- I - DMX/RDM Terminator

Consult CBX installation instructions for additional wiring details.

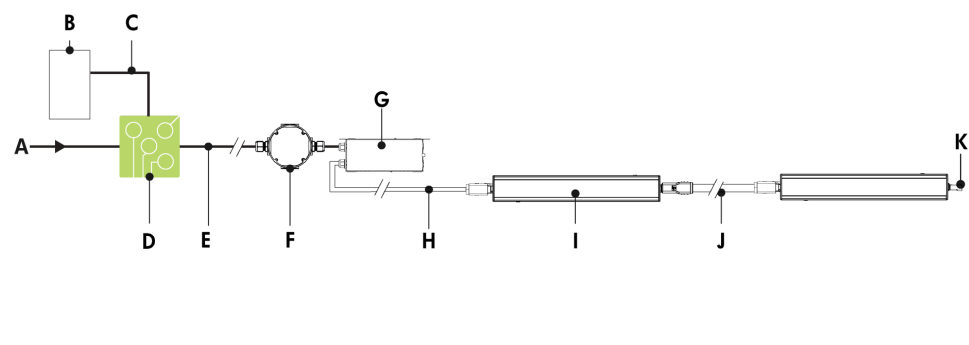
800 ft maximum DMX/RDM "Bus" length.

1 DMX universe = 128 @ 4-channel controllable segments.

Maximum of 4 DMX/RDM repeaters/CBX cascading in line.

Maximum of 6 outputs per CBX-ST; maximum of 1 output per CBX-DS.

DALI or DMX/RDM With Lumentalk Data Bridge Indoor



- A - Power input (120 to 277V, wiring by others)
- B - DMX/RDM controller (order separately from Lumenpulse, or by others)
- C - Data wiring (wiring by others)
- D - Lumentranslator 2 (LTL2-DIM, LTL2-DMX)
- E - Power wiring (by others)
- F - Junction box (by others)
- G - Lumentalk Data Bridge Indoor (LDBI-DMX)
- H - Leader Cable (LCVALC MDR3P3D)
- I - Lumencore Linear
- J - Jumper Cable (optional, LCVAJC MDR3P3D)
- K - End Cap

Consult factory for specific applications and maximum fixture count/cable length recommendations.

For DMX applications: 1 DMX controller per Lumentalk network, maximum of 48 DMX channels per Lumentalk network (minimum step transition update rate is 1 second, minimum fade time between two colors is 1 minute). Consult factory for applications that require additional capabilities.

Maximum of 1 transmitter (Lumentranslator or Lumenlink) per system.

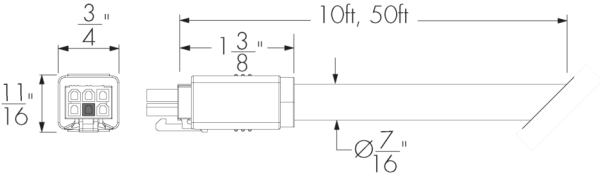
No third-party fixtures allowed on the same circuit.

Consult factory for DALI Lumentalk applications.

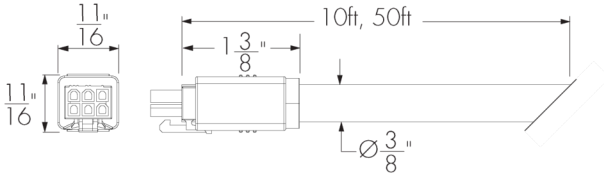
Refer to installation instructions for additional wiring details.

Leader Cable (Order Separately)

LCVALC - Lumencore Linear Leader Cable (MDR3P2D)



LCVALC - Lumencore Linear Leader Cable (MDR3P3D)



LCVALC-UL-CERTIFICATION-CONTROL-LENGTH- FINISH-BK-WH

Please specify:

**CERTIFICATION:** UL

**CONTROL:**

MDR3P2D - 0-10V and DALI

MDR3P3D - DMX/RDM Control

**LENGTH:** 10 ft, 50 ft

Cable Bend Radius:

MDR3P: Minimal bend radius 2 in

MDR3P2D: Minimal bend radius 3 in

MDR3P3D: Minimal bend radius 2 in

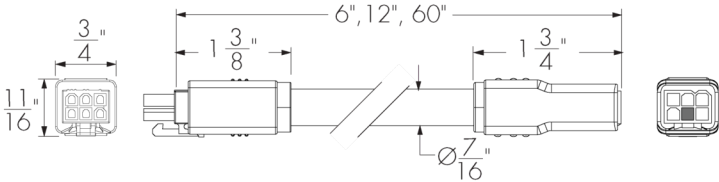
Consult Lumencore Linear Leader Cable specification sheet for additional information.

MDR3P2D: end cap is provided.

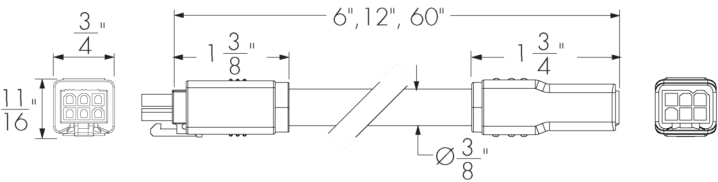
MDR3P3D: terminal end cap is provided.

Jumper Cable (Order Separately)

LCVAJC - Lumencore Linear Jumper Cable (MDR3P2D)



LCVAJC - Lumencore Linear Jumper Cable (MDR3P3D)



LCVAJC-UL-CERTIFICATION-CONTROL-LENGTH-FINISH-BK-WH

Specify:

**CERTIFICATION:** UL

**CONTROL:**

MDR3P2D - 0-10V and DALI

MDR3P3D - DMX/RDM Control

**LENGTH:** 6 in, 1 ft or 5 ft.

CABLE BEND RADIUS:

MDR3P: Minimal bend radius 2 in

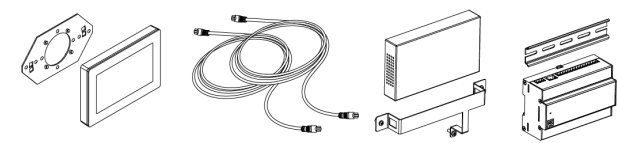
MDR3P2D: Minimal bend radius 3 in

MDR3P3D: Minimal bend radius 2 in

Consult Lumencove Linear Jumper Cable specification sheet for additional information. Minimum spacing two fixtures in a row: 0.28 in (nominal).

Control Systems (Order Separately)

PHAROS - Pharos® Designer Lighting Control Kit



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

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.

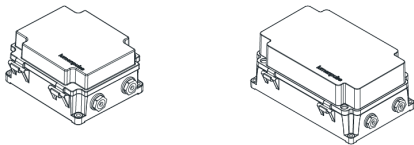
LID-LT - LumentalkID



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

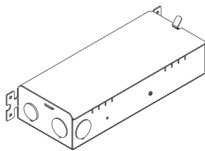
Control Boxes (Order Separately)

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



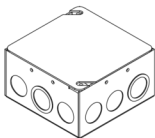
DMX/RDM control box. Up to six power and data outputs to fixtures or fixture runs. Consult CBX specification sheet and installation instructions for details. Lumenterminators provided with CBX (2x for Daisy Chain configuration, 6x for Star configuration), consult factory to order spares.

LDBI - Lumentalk Data Bridge Indoor



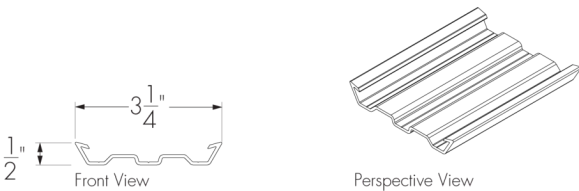
The Lumentalk Data Bridge Indoor is a digital interface that connects non-Lumentalk luminaires to the Lumentalk network, 0-10V or DMX output. Consult the Lumentalk Data Bridge Indoor specification sheet and installation instructions for details.

SDB2C - 2-Channel Smart Data Bridge



The Lumenpulse 2-Channel Smart Data Bridge is a data converter that allows you to use two 0-10V dimmers to control Lumenpulse Dynamic White fixtures with CCT and intensity control. Consult 2-Channel Smart Data Bridge specification sheet and installation instructions for details.

Alignment Track (Order Separately)



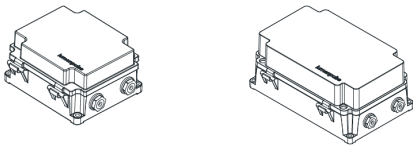
LCVAT-LENGTH-COLOR

LENGTH: 5 ft

COLOR: WH (White)

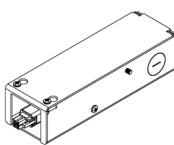
Alignment Track can only be used with ST Mounting Option. Alignment Track must be cut on site to desired length.

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



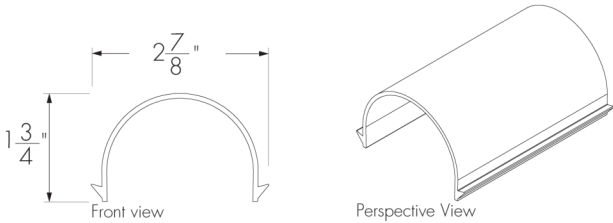
Ethernet control box. Up to four power and data outputs to fixture or fixture runs. Consult Ethernet CBX specification sheet and installation instructions for details.

WC - Wiring Compartment



The Lumenpulse Wiring Compartment is pre-wired with a leader cable, allowing the quick connection of conduits. Consult the Wiring Compartment specification sheet and installation instructions for details.

Alignment Track Cover (Order Separately)



LCV ARC-**LENGTH-COLOR**  
**LENGTH:** 5 ft  
**COLOR:** WH (White)

Alignment Track Cover must be used in combination with Alignment Track.  
Alignment Track Cover can be used to cover cable between two fixtures. To be cut on site to desired length.

How to Order

| Housing                         | Certification      | Voltage                               | Length      | Wattage        | Color and Color Temperature   | Minimum Color Temperature (Warm) <sup>(4)</sup> | Maximum Color Temperature (Cool) <sup>(8)</sup> | Optic                        | Feeding Side  | Control <sup>(11)</sup>  |
|---------------------------------|--------------------|---------------------------------------|-------------|----------------|---|---|---|------------------------------|---|--|
| LCV<br>Lumencore<br>Linear Cove | UL<br>UL Compliant | 120, 277<br>120 Volts to<br>277 Volts | 12<br>12 in | 4W<br>4 W/ft   | CDTW<br>Custom CCT<br>Range Dim to<br>Warm (6500K<br>to 1800K) <sup>(1)</sup> <sup>(2)</sup>      | 18K<br>1800K                                    | 24K<br>2400K                                    | AB<br>Asymmetric             | NF<br>No Feed<br>Information<br>Required <sup>(9)</sup> | PDA1<br>Professional 0-<br>10V Dimming<br>0.1% Linear<br>Curve         |
|                                 |                    |                                       | 24<br>24 in | 7W<br>7 W/ft   |   | 20K<br>2000K                                    | 27K<br>2700K                                    | CL<br>Clear 120° x<br>120°   |   |  |
|                                 |                    |                                       | 36<br>36 in | 10W<br>10 W/ft | CDWH<br>Custom CCT<br>Range<br>Dynamic<br>White (1800K<br>to 6500K) <sup>(2)</sup> <sup>(3)</sup> | 22K<br>2200K                                    | 30K<br>3000K                                    | FR<br>Frosted 120° x<br>120° | RF<br>Right Feeding<br>Side <sup>(10)</sup>             | PDA2<br>Professional 0-<br>10V Dimming<br>0.1%<br>Logarithmic<br>Curve |
|                                 |                    |                                       | 48<br>48 in | 13W<br>13 W/ft |   | 24K<br>2400K                                    | 32K<br>3200K                                    |                              | LF<br>Left Feeding<br>Side <sup>(10)</sup>              |  |
|                                 |                    |                                       |             |                | CCFX<br>Custom Fixed<br>Color<br>Temperature<br><sup>(4)</sup>                                    | 27K<br>2700K                                    | 35K<br>3500K                                    |                              |   | DALI<br>DALI 2 T6<br>Enabled<br>Dimming 0.1%<br><sup>(12)</sup>        |
|                                 |                    |                                       |             |                | DTW<br>Dim to Warm<br>(2700K to<br>2200K) <sup>(1)</sup>  | 30K<br>3000K                                    | 40K<br>4000K                                    |                              |   | DALIT8<br>DALI 2 T8<br>Enabled<br>Dimming 0.1%<br><sup>(13)</sup>      |
|                                 |                    |                                       |             |                | DTWP<br>Dim to Warm<br>Plus (3500K to<br>1800K) <sup>(1)</sup>                                    | 32K<br>3200K                                    | 45K<br>4500K                                    |                              |   |  |
|                                 |                    |                                       |             |                | DWW<br>Dynamic<br>Warm White<br>(2200K to<br>3000K) <sup>(2)</sup>                                | 35K<br>3500K                                    | 50K<br>5000K                                    |                              |   | DMX/RDM<br>DMX/RDM<br>Enabled<br>Dimming 0.1%<br><sup>(14)</sup>       |
|                                 |                    |                                       |             |                | DWWP<br>Dynamic<br>Warm White<br>Plus (2200K to<br>3500K) <sup>(3)</sup>                          | 40K<br>4000K <sup>(7)</sup>                     | 55K<br>5500K                                    |                              |   |  |
|                                 |                    |                                       |             |                | DWH<br>Dynamic<br>White (2700K<br>to 6500K) <sup>(3)</sup>  | 45K<br>4500K <sup>(7)</sup>                     | 57K<br>5700K                                    |                              |   |  |
|                                 |                    |                                       |             |                | PCP<br>Pastel Red,<br>Green, Blue<br>(Phosphor<br>Converted) <sup>(5)</sup>                       | 50K<br>5000K <sup>(7)</sup>                     | 60K<br>6000K                                    |                              |   |  |
|                                 |                    |                                       |             |                |   | 55K<br>5500K <sup>(7)</sup>                     | 65K<br>6500K                                    |                              |   |  |
|                                 |                    |                                       |             |                |   | 57K<br>5700K <sup>(7)</sup>                     |   |                              |   |  |
|                                 |                    |                                       |             |                |   | 60K<br>6000K <sup>(7)</sup>                     |   |                              |   |  |
|                                 |                    |                                       |             |                |   | 65K<br>6500K <sup>(7)</sup>                     |   |                              |   |  |

Notes:

1. Available with PDA1, PDA2, DALI and DMX/RDM Control Options (1 channel).

2. When specifying CDTW or CDWH, the Minimum Color Temperature must always be lower than the Maximum Color Temperature.

3. Available with DALIT8 and DMX/RDM Control Options (2 channels).

4. Available with PDA1, PDA2, DALI and DMX/RDM Control Options (1 channel).

5. Available with DALIT8 and DMX/RDM Control Options (factory-set with 3 channels, configurable to 4 channels).

6. Available for CDTW, CDWH and CCFX Color Temperatures only.

7. Available for CCFX Color Temperature only.

8. Available for CDTW and CDWH Color Temperatures only.
9. Default option if AB Asymmetric Optic is not specified.

10. Specify for AB Asymmetric Optic only.

11. Lumentalk system is enabled with Lumentalk Data Bridge Indoor (LDBI) accessory. A PDA1, PDA2 or DMX/RDM Control Option must be specified in fixture code. See the typical wiring diagrams and consult factory for more details.

12. DALI 2 T6 controller required, provided by others.

13. DALI 2 T8 controller for Tc required for CDWH, DWW, DWWP and DWH, provided by others. DALI 2 T8 controller for Tc and/or RGBWAF required for PCP. DALI2 T8 control uses a single DALI short address.

14. A Control Box (CBX-DS or CBX-ST) and lumenID (LID) must be specified.

How to Order

| Mounting Options   | Finish   | Cable Color <sup>(25)</sup>                  | Accessories   | Shield  | Shield Finish  | Buy American Act                           |
|--|--|--|---|---|--|--|
| <b>ST</b><br>Standard Mounting <sup>(15) (16) (17) (18)</sup><br><br><b>SM</b><br>Slim Adjustable Mounting Continuously Adjustable <sup>(19)</sup><br><br><b>WMC3</b><br>Wall Mounting Continuously Adjustable 3 in to Optical Center <sup>(19)</sup><br><br><b>WMC4</b><br>Wall Mounting Continuously Adjustable 4 in to Optical Center <sup>(19)</sup><br><br><b>WMC6</b><br>Wall Mounting Continuously Adjustable 6 in to Optical Center <sup>(19)</sup><br><br><b>WMC12</b><br>Wall Mounting Continuously Adjustable 12 in to Optical Center <sup>(19)</sup><br><br><b>WMC18</b><br>Wall Mounting Continuously Adjustable 18 in to Optical Center <sup>(19)</sup><br><br><b>WMC24</b><br>Wall Mounting Continuously Adjustable 24 in to Optical Center <sup>(19)</sup> | <b>MWH</b><br>Matte White<br><br><b>MBK</b><br>Matte Black<br><br><b>CC</b><br>Custom Color & Finish <sup>(15) (20) (21) (22) (23)</sup><br><br><b>SP</b><br>Special Color (Choose From Standard Point Source Color Palette) <sup>(24)</sup> | <b>WH</b><br>White<br><br><b>BK</b><br>Black | <b>NA</b><br>No Accessory <sup>(26)</sup><br><br><b>BS</b><br>Beam Softener<br><br><b>VS</b><br>Visor <sup>(27) (28) (29)</sup><br><br><b>LV</b><br>Louver <sup>(27) (28) (29)</sup><br><br><b>HL</b><br>Honeycomb Louver <sup>(27) (28) (29)</sup><br><br><b>SN</b><br>Snoot <sup>(27) (28) (29)</sup> | <b>NH</b><br>No Shield<br><br><b>SH</b><br>Shield <sup>(30) (31) (32)</sup> | <b>MWH</b><br>Matte White<br><br><b>MBK</b><br>Matte Black<br><br><b>CC</b><br>Custom Color & Finish <sup>(15) (20) (21) (22) (23)</sup><br><br><b>SP</b><br>Special Color (Choose From Standard Point Source Color Palette) <sup>(24)</sup> | <b>BAA</b><br>Buy American <sup>(33)</sup> |

Notes:

- 15.** ST Mounting Option not available with CC Custom Color and Finish, or SP Special Color Finishes.

**16.** ST Mounting Option is required if the LCVAT Alignment Track will be ordered separately.

**17.** Two mounting brackets provided for each fixture length.

**18.** ST Mounting Option is not compatible with SH Shield Accessory.

**19.** One mounting bracket provided for 12 in fixtures. Two mounting brackets provided for 24 in, 36 in and 48 in fixtures.

**20.** Textured colours and finishes are not available.

**21.** 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.

**22.** Setup charges apply for RAL colors. Consult factory for details.

**23.** Longer lead times can be expected for custom RAL color finishes.
- 24.** Concrete Grey (CGY) and Parget White (PWH) are not available as special colors.

**25.** The Cable Color must match the Fixture Finish, unless CC or SP is specified in the product code. If CC or SP is specified as the Fixture Finish in the product code, a WH or BK cable can be specified.

**26.** Default option if AB Asymmetric Optic is specified. NA No Accessory must be specified in the product code.

**27.** Not available if CC Custom Color and Finish or SP Special Color is specified in the product code.

**28.** Matte black interior surface, exterior finish matches housing color.

**29.** Accessories are sold in 12 in sections. The length specified for the fixture will determine the number of accessories provided.

**30.** The SH Shield Accessory is not available with AB Asymmetric Optic.

**31.** The SH Shield Accessory is not available with ST Mounting Option.

**32.** The SH Shield Accessory can be combined with one other accessory.

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