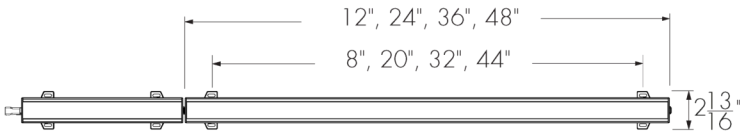
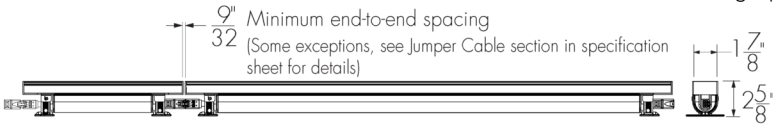


Project Name _____ Qty _____

Type _____ Catalog / Part Number _____



Top View
ST Mounting Option Shown



Front and Side Views

Photometric Summary

	Delivered Output (lm)	Intensity (Peak cd)
10°x10°	2,443	22,767
10°x30°	2,417	11,612
10°x60°	2,394	6,328
30°x10°	2,313	8,048
60°x10°	2,283	5,385
30°x60°	2,286	3,197
30°x30°	2,297	4,278
60°x60°	2,262	1,860
90°x90°	2,214	995

1. Based on MRGBW40K, full output, 48 in.
2. Photometric performance is measured in compliance with IESNA LM-79-24.
3.
Refer to the [Lumencore Linear Graze Color Changing Photometric Guide](#) on Lumenpulse website for information on other color temperatures.

Description

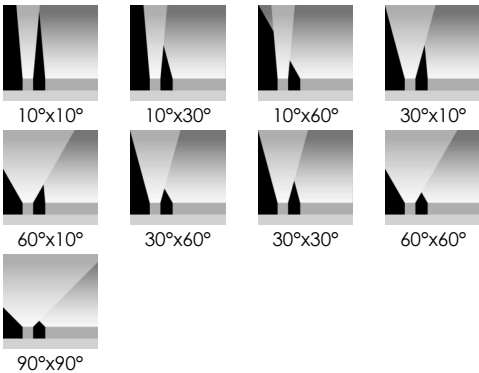
The Lumencore Linear Graze Color Changing fixture is a versatile lighting solution designed to transform any space with vibrant colors and dynamic illumination. Equipped with advanced Optidrive and Opticolor technologies, this luminaire offers seamless color blending and a wide spectrum of hues, allowing designers to create striking visual effects and enhance architectural features. With high output capabilities and precise optics, the Lumencore Linear Graze ensures consistent performance while delivering true-to-life color rendering. Its sleek design integrates effortlessly into various settings, making it perfect for perimeter and indirect lighting, as well as wall grazing, and creating captivating atmospheres in commercial and residential environments. Ideal for brand identity projection and nighttime aesthetics, this fixture empowers users to redefine their spaces with color.

Features

Length (Nominal)	12: 12 in, 24: 24 in, 36: 36 in, 48: 48 in
Color and Color Temperature	MRGBA: Opticolor™ Mix-at-Source Red, Green, Blue, PC Amber MRGBW30K: Opticolor® Mix-at-Source Red, Green, Blue, 30K MRGBW40K: Opticolor® Mix-at-Source Red, Green, Blue, 40K MRGB: Opticolor™ Mix-at-Source Red, Green, Blue

Optic	10x10: 10°x10° 10x30: 10°x30° 10x60: 10°x60° 30x10: 30°x10° 60x10: 60°x10° 30x60: 30°x60° 30x30: 30°x30° 60x60: 60°x60° 90x90: 90°x90°
-------	--

Optic



Color and Color Temperature



opticolor™
Opticolor™
Mix-at-Source
Red, Green, Blue, PC
Amber



opticolor™
Opticolor®
Mix-at-Source
Red, Green, Blue, 30K



opticolor™
Opticolor®
Mix-at-Source
Red, Green, Blue, 40K



opticolor™
Opticolor™
Mix-at-Source
Red, Green, Blue

Control



DALI
T8

DMX/RDM

Lumencycle™ Program



Certifications



UL
US



RoHS



IP
buy american





5
YEARS
lumenpulse

Compact Mounting Options

ST: Standard Mounting
SM: Slim Adjustable Mounting Continuously Adjustable

Wall Mounting Options

WMC3: Wall Mounting
Continuously Adjustable 3 in
to Optical Center

WMC6: Wall Mounting
Continuously Adjustable 6 in
to Optical Center

WMC18: Wall Mounting
Continuously Adjustable
18 in to Optical Center

WMC4: Wall Mounting
Continuously Adjustable 4 in
to Optical Center

WMC12: Wall Mounting
Continuously Adjustable
12 in to Optical Center

WMC24: Wall Mounting
Continuously Adjustable
24 in to Optical Center

Finish

MWH: Matte White
MBK: Matte Black
CC: Custom Color and Finish (Please Specify RAL Color)
SP: Special Color (Choose From Standard Point Source
Color Palette)

Cable Color

WH: White
BK: Black

Optical Accessories

NA: No Accessory
VS: Visor
LV: Louver
HL: Honeycomb Louver
SN: Snoot
SH: Shield

Warranty

5-year limited warranty

Performance

Maximum Delivered Output

Up to 618 lm
(4 W/ft, 4 ft fixture, MRGBW40K, 10° x 10°)
Up to 1261 lm
(7 W/ft, 4 ft fixture, MRGBW40K, 10° x 10°)
Up to 1859 lm
(10 W/ft, 4 ft fixture, MRGBW40K, 10° x 10°)
Up to 2443 lm
(13 W/ft, 4 ft fixture, MRGBW40K, 10° x 10°)

Maximum Delivered Intensity

Up to 5760 cd
(4 W/ft, 4 ft fixture, MRGBW40K, 10° x 10°)
Up to 11,748 cd
(7 W/ft, 4 ft fixture, MRGBW40K, 10° x 10°)
Up to 17,326 cd
(10 W/ft, 4 ft fixture, MRGBW40K, 10° x 10°)
Up to 22,767 cd
(13 W/ft, 4 ft fixture, MRGBW40K, 10° x 10°)

Illuminance at Distance

Minimum 1 fc at 75 ft
(4 W/ft, 4 ft fixture, MRGBW40K, 10° x 10°)
Minimum 1 fc at 108 ft
(7 W/ft, 4 ft fixture, MRGBW40K, 10° x 10°)
Minimum 1 fc at 131 ft
(10 W/ft, 4 ft fixture, MRGBW40K, 10° x 10°)
Minimum 1 fc at 150 ft
(13 W/ft, 4 ft fixture, MRGBW40K, 10° x 10°)

Lumen Maintenance	L70>48,000 hrs Ta 77 °F (TM-21 reported) L70>150,000 hrs Ta 77 °F (projected)* L95=36,900 hrs Ta 77 °F (TM-21 reported) *Estimated based on in-situ case temperature and LM-80 report
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Physical

Housing Material	Aluminum
Diffuser Material	Polymethyl methacrylate (PMMA)
TIR Optics Material	Polycarbonate
End Cap Material	Die cast aluminum
Weight	1.5 lbs (12 in fixture) 2.94 lbs (24 in fixture) 3.82 lbs (36 in fixture) 5.69 lbs (48 in fixture)

Electrical and Control

Voltage	120 Volts to 277 Volts
Wattage	4W: 4 W/ft 7W: 7 W/ft 10W: 10 W/ft 13W: 13 W/ft
Control	DALI8: DALI 2 T8 Enabled Dimming 0.1% DMX/RDM: DMX/RDM Enabled Dimming 0.1%
Flicker	Designed to comply with recommended practices of IEEE 1789:2015
Inrush Current (Peak)	Meets NEMA-410 requirements

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

Accessories - Optional (Order Separately)

Cables	LCVALC: Lumencore Linear Leader Cable LCVAJC: Lumencore Linear Jumper Cable
Installation Accessories	LCVAT: Lumencore Linear Alignment Track LCVARC: Lumencore Linear Alignment Track Cover
Control Boxes	CBX-DMX/RDM: DMX/RDM enabled (Daisy Chain or Star Configuration) CBX-ENET: Ethernet enabled (Daisy Chain or Star Configuration) LDBI: Lumentalk Data Bridge Indoor WC: Wiring Compartment for Lumencore Linear Graze and Cove

Control System	PHAROS: Pharos® Designer Lighting Control Kit EXPERT: Pharos® Expert Control Kit
Diagnostic and Addressing Tools	LID: LumenID

Important

Virtual Patent Marking Notice

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

Lumencycle™ Program

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

Photometric Information

4 W/ft (MRGBW30K)

	Delivered Output (lm)	Intensity (Peak cd)
10°x10°	618	5,760
10°x30°	611	2,938
10°x60°	606	1,601
30°x10°	585	2,036
60°x10°	578	1,362
30°x60°	578	809
30°x30°	581	1,082
60°x60°	572	470
90°x90°	560	252

7 W/ft (MRGBW30K)

	Delivered Output (lm)	Intensity (Peak cd)
10°x10°	1,261	11,748
10°x30°	1,247	5,992
10°x60°	1,235	3,265
30°x10°	1,194	4,153
60°x10°	1,178	2,779
30°x60°	1,179	1,650
30°x30°	1,185	2,208
60°x60°	1,167	960
90°x90°	1,142	513

10 W/ft (MRGBW30K)

	Delivered Output (lm)	Intensity (Peak cd)
10°x10°	1,859	17,326
10°x30°	1,839	8,837
10°x60°	1,822	4,816
30°x10°	1,760	6,124
60°x10°	1,737	4,098
30°x60°	1,739	2,433
30°x30°	1,748	3,256
60°x60°	1,721	1,415
90°x90°	1,685	757

13 W/ft (MRGBW30K)

	Delivered Output (lm)	Intensity (Peak cd)
10°x10°	2,443	22,767
10°x30°	2,417	11,612
10°x60°	2,394	6,328
30°x10°	2,313	8,048
60°x10°	2,283	5,385
30°x60°	2,286	3,197
30°x30°	2,297	4,278
60°x60°	2,262	1,860
90°x90°	2,214	995

Photometric information is also applicable to MRGBW40K.

Based on 48 in fixture length, full output.

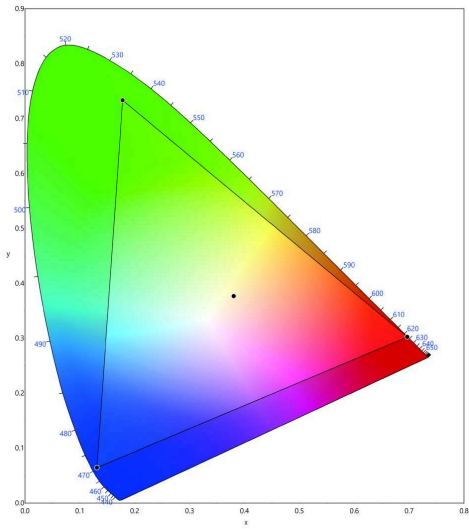
Consult website for IES files. Delivered output: +/- 10% tolerance.

Photometric performance is measured in compliance with IESNA LM-79-24.

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

Color Point Information

MRGBW40K



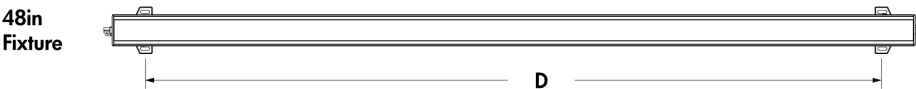
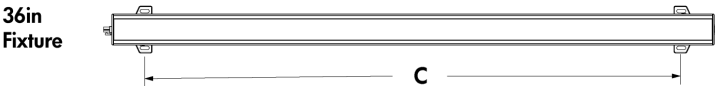
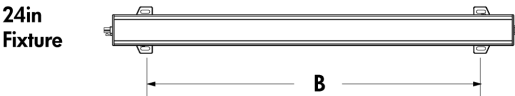
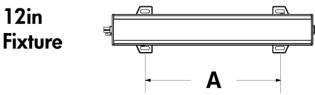
Red: 620-625nm
Green: 528-533nm
Blue: 465-470nm

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 Gray	IBR - Italian Brick Red		

Mounting Bracket Placement

ST - Standard Mounting



Top view

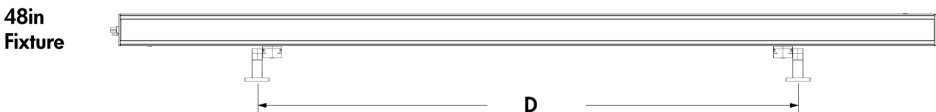
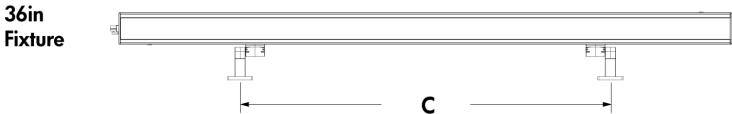
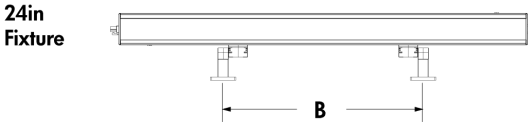
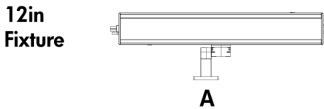
Fixed Dimensions Between Brackets

- 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

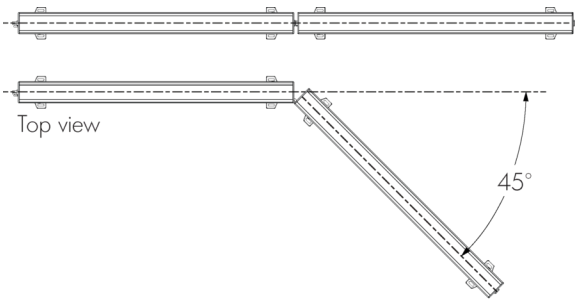


Top view

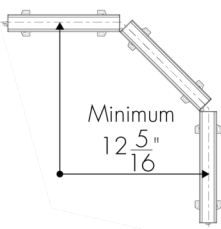
- A - Bracket in the center of the fixture
 - B - Minimum 10 in to maximum 16 in
 - C - Minimum 15 in to maximum 28 in
 - D - Minimum 20 in to maximum 40 in
- WMC3 mounting brackets shown.

Adjustment

Maximum Angle Adjustment

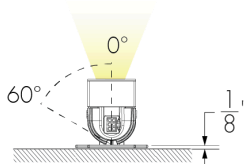


Minimum Radius



Mounting Options

ST - Standard Mounting



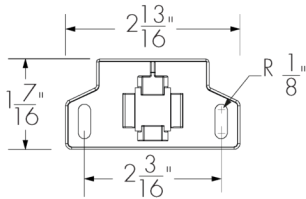
Two mountings brackets provided for all fixture lengths.

Weight of one SM Mounting Bracket: 0.09 lbs.

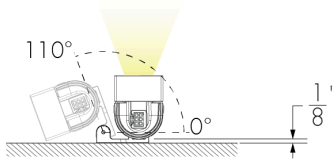
Weight of two SM Mounting Brackets: 0.19 lbs.

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

ST - Mounting Hole Pattern



SM - Slim Adjustable Mounting



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

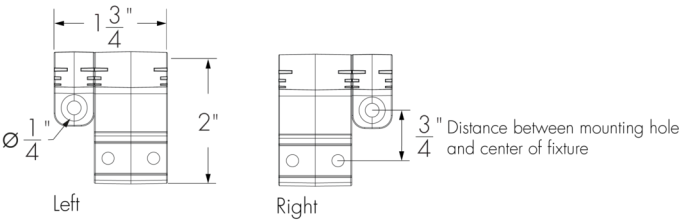
One mounting bracket provided for 12 in fixtures. Two mounting brackets provided for 24 in, 36 in and 48 in fixtures.

Weight of one SM Mounting Bracket: 0.09 lbs.

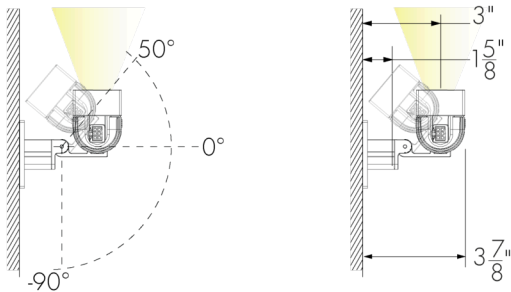
Weight of two SM Mounting Brackets: 0.19 lbs.

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 is added.

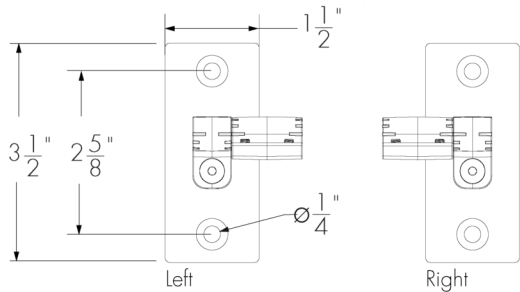
One mounting bracket provided for 12 in fixtures. Two mounting brackets provided for 24 in, 36 in and 48 in fixtures.

Weight of one WMC3 Mounting Bracket: 0.24 lbs.

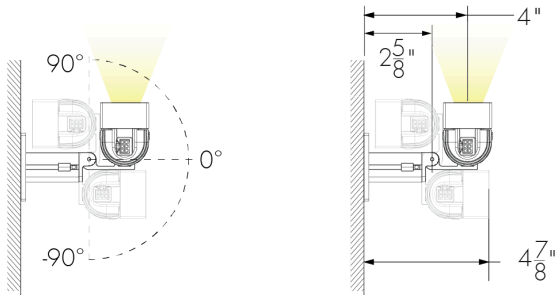
Weight of two WMC3 Mounting Brackets: 0.49 lbs.

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



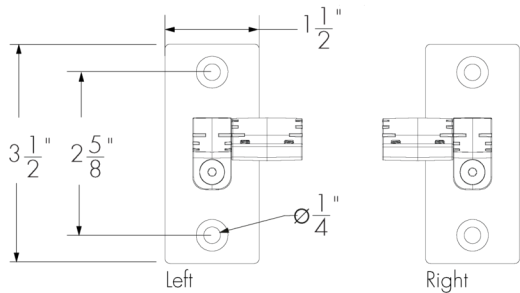
One mounting bracket provided for 12 in fixtures. Two mounting brackets provided for 24 in, 36 in and 48 in fixtures.

Weight of one WMC4 Mounting Bracket: 0.3 lbs.

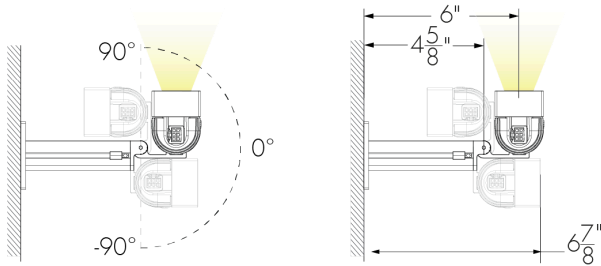
Weight of two WMC4 Mounting Brackets: 0.6 lbs.

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



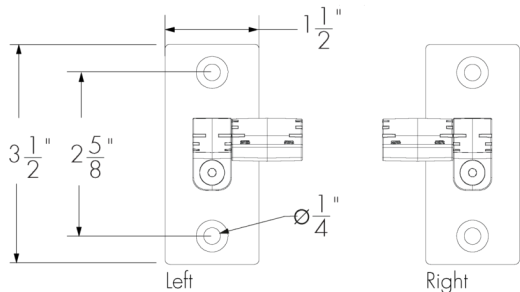
One mounting bracket provided for 12 in fixtures. Two mounting brackets provided for 24 in, 36 in and 48 in fixtures.

Weight of one WMC6 Mounting Bracket: 0.4 lbs.

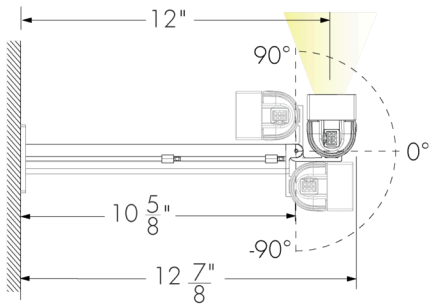
Weight of two WMC6 Mounting Brackets: 0.79 lbs.

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



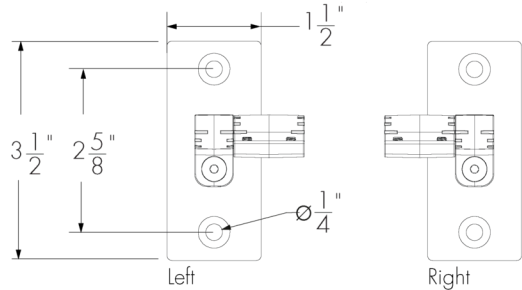
One mounting bracket provided for 12 in fixtures. Two mounting brackets provided for 24 in, 36 in and 48 in fixtures.

Weight of one WMC12 Mounting Bracket: 0.72 lbs.

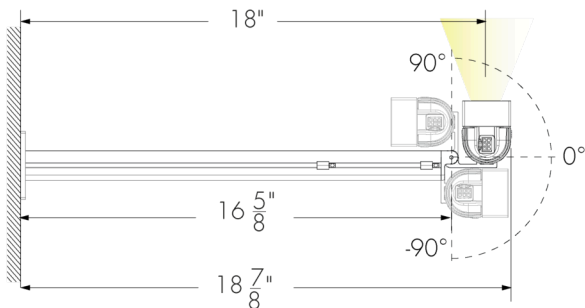
Weight of two WMC12 Mounting Brackets: 1.43 lbs.

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



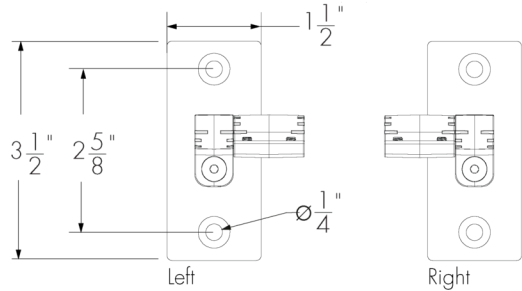
One mounting bracket provided for 12 in fixtures. Two mounting brackets provided for 24 in, 36 in and 48 in fixtures.

Weight of one WMC18 Mounting Bracket: 1.03 lbs.

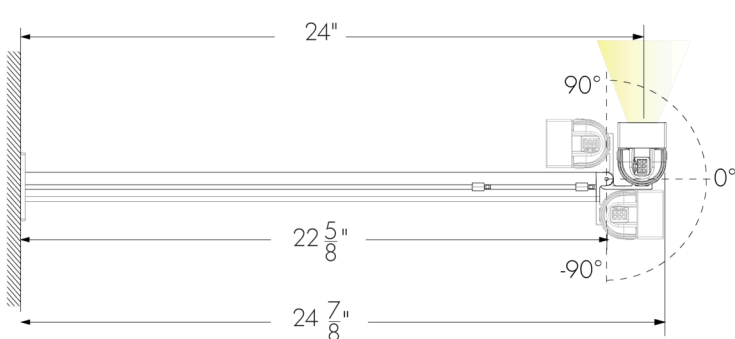
Weight of two WMC18 Mounting Brackets: 2.05 lbs.

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



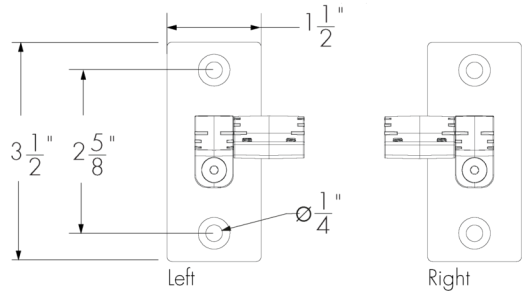
One mounting bracket provided for 12 in fixtures. Two mounting brackets provided for 24 in, 36 in and 48 in fixtures.

Weight of one WMC24 Mounting Bracket: 1.34 lbs.

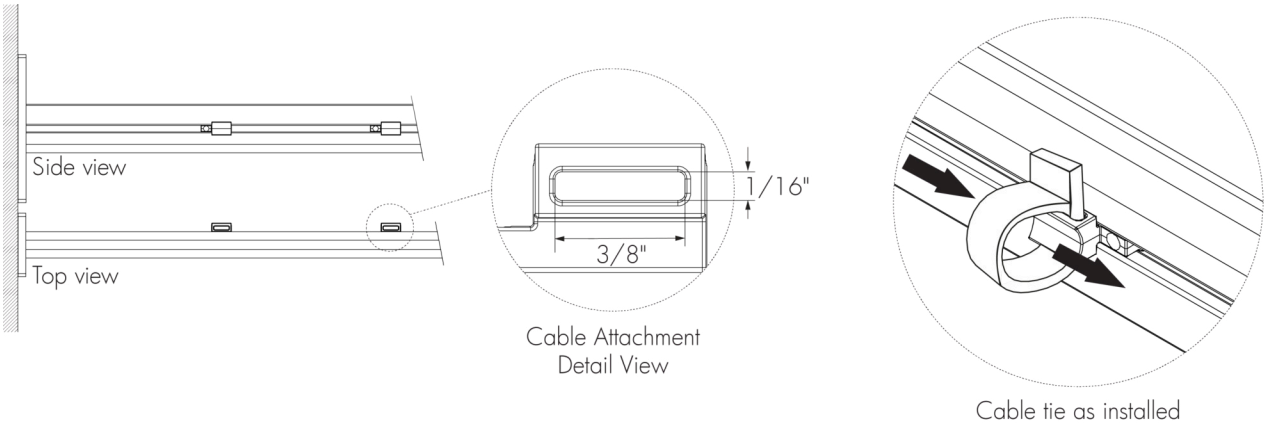
Weight of two WMC24 Mounting Brackets: 2.69 lbs.

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

WMC24 - Mounting Hole Pattern



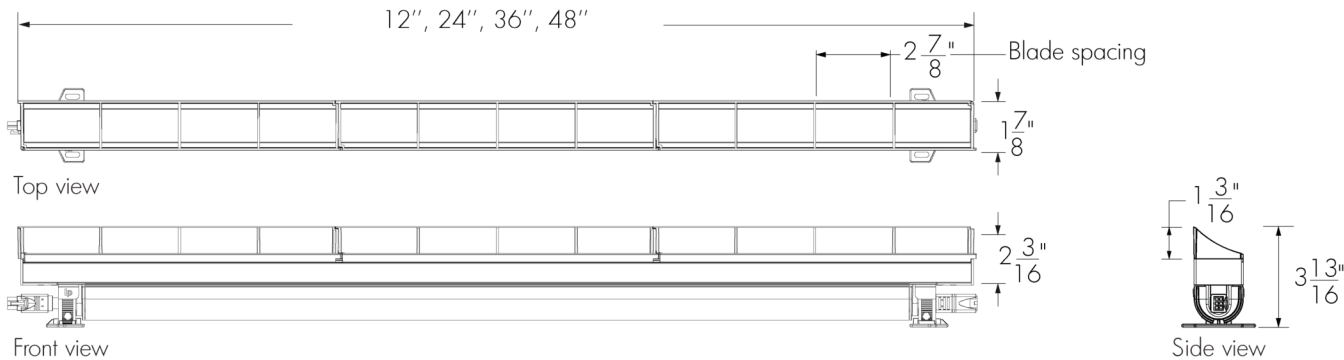
Cable Management System for Wall Mounting Brackets



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



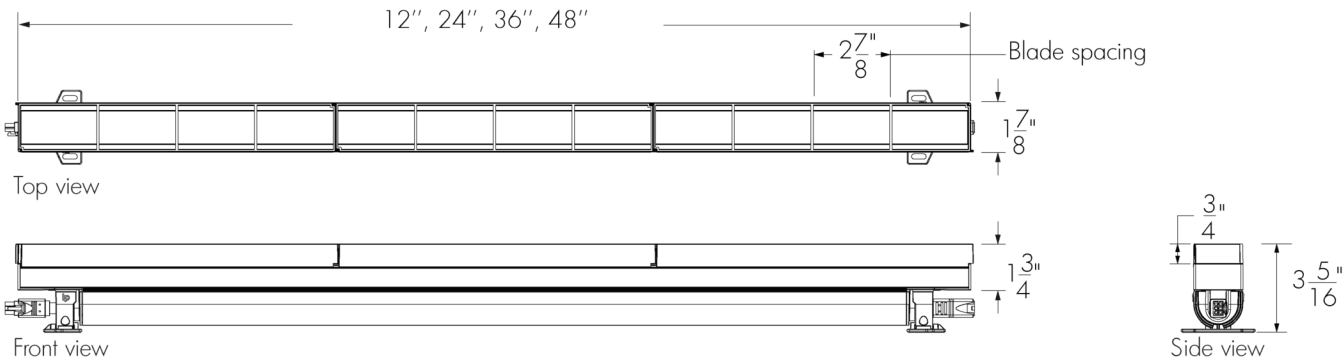
Accessories come in 12 in sections. 12 in Fixture requires 1 accessory, 24 in fixture requires 2 accessories, 36 in fixture requires 3 accessories, 48 in fixture requires 4 accessories.

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.

LV - Louver



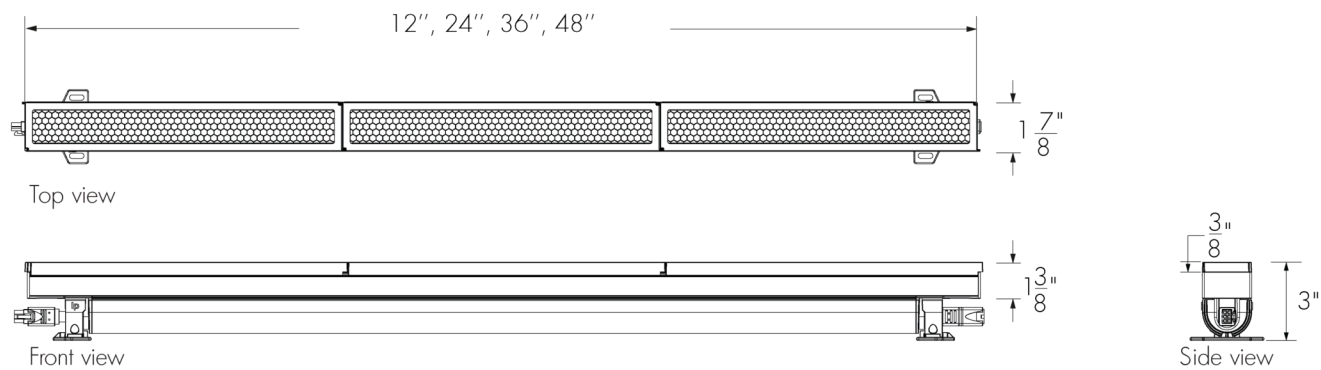
Accessories come in 12 in sections. 12 in Fixture requires 1 accessory, 24 in fixture requires 2 accessories, 36 in fixture requires 3 accessories, 48 in fixture requires 4 accessories.

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.

HL - Honeycomb Louver

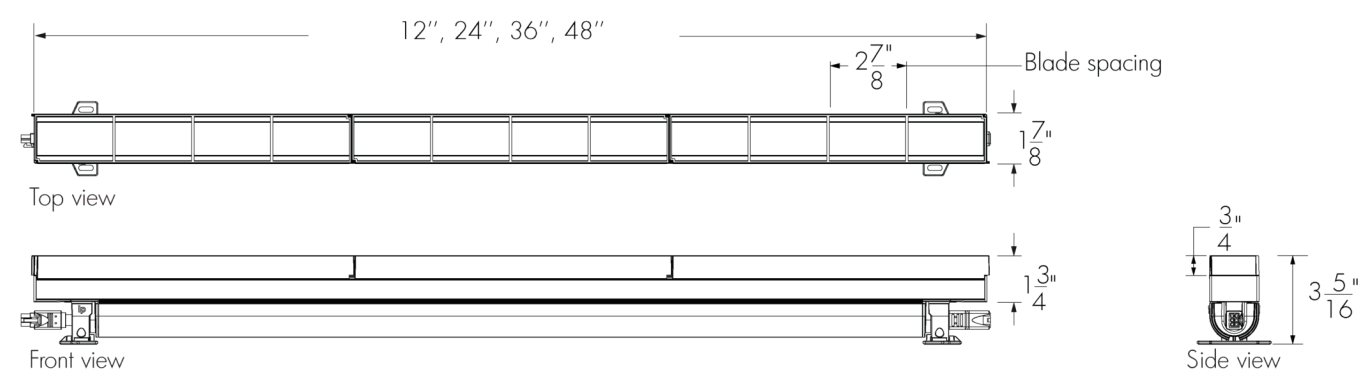


Accessories come in 12 in sections. 12 in Fixture requires 1 accessory, 24 in fixture requires 2 accessories, 36 in fixture requires 3 accessories, 48 in fixture requires 4 accessories.

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.

SN - Snoot

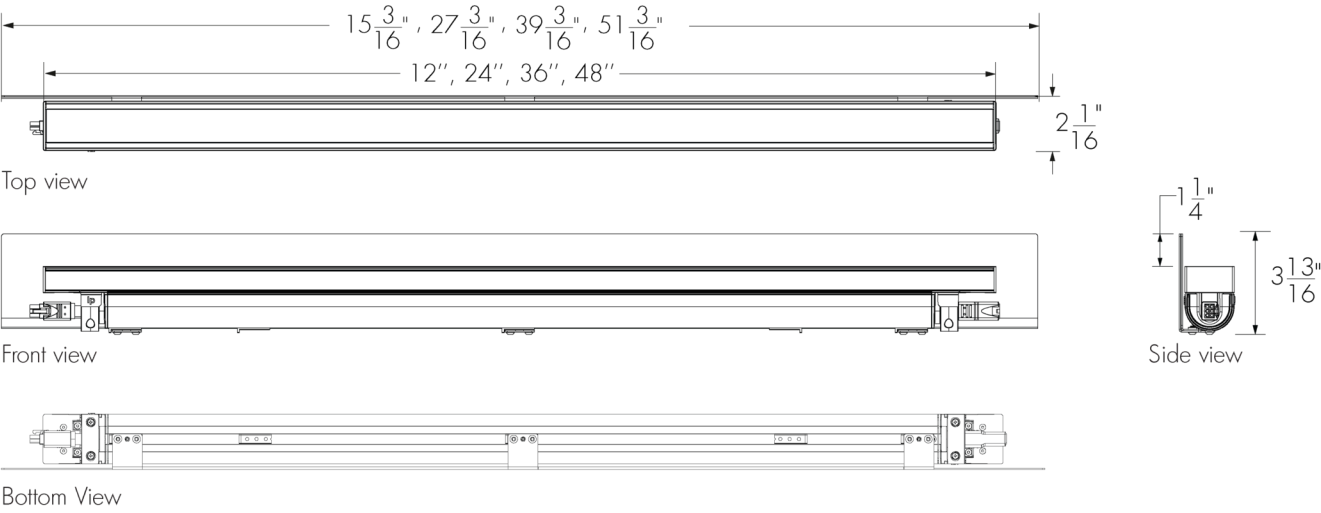


Accessories come in 12 in sections. 12 in Fixture requires 1 accessory, 24 in fixture requires 2 accessories, 36 in fixture requires 3 accessories, 48 in fixture requires 4 accessories.

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.

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.

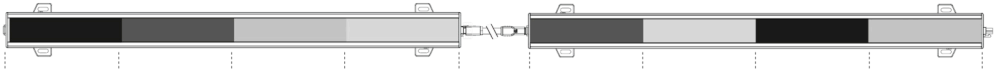
- The Shield can only be used with WMC or SM mounting options.
- A Shield will affect beam distribution. Consult factory for application support.
- The Shield is field installable. The Shield can be combined with one other accessory.
- The exterior finish of the accessory will match the finish specified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

Weight Table

Weight (lbs)						
	Fixture Only	Fixture With Visor	Fixture With Louver	Fixture With Honeycomb Louver	Fixture With Snoot	Fixture With Shield
1ft	1.54	1.64	1.68	1.63	1.64	1.85
2ft	3.09	3.28	3.35	3.26	3.28	3.70
3ft	4.63	4.93	5.03	4.89	4.93	5.56
4ft	6.17	6.57	6.70	6.53	6.57	7.41

Resolution Details

DMX/RDM Control, Resolution Per Segment: Each 12 in Segment is Addressed Independently



Mode	Channel Types	DMX Indexes			
RGB (3-Channel)	R,G,B	1,2,3	4,5,6	7,8,9	10,11,12
RGB+White (4-Channel)	R,G,B,W	1,2,3,4	5,6,7,8	9,10,11,12	13,14,15,16
RGB+Amber (4-Channel)	R,G,B,A	1,2,3,4	5,6,7,8	9,10,11,12	13,14,15,16

DMX Indexes			
13,14,15	16,17,18	19,20,21	22,23,24
17,18,19,20	21,22,23,24	25,26,27,28	29,30,31,32
17,18,19,20	21,22,23,24	25,26,27,28	29,30,31,32

DMX/RDM Control, Resolution Per Fixture: Each Fixture is Addressed Independently



Mode	Channel Types	DMX Indexes
Pastel RGB (3-Channel)	R,G,B	1,2,3
RGB+White (4-Channel)	R,G,B,W	1,2,3,4
RGB+Amber (4-Channel)	R,G,B,A	1,2,3,4

DMX Indexes
4,5,6
5,6,7,8
5,6,7,8

Wiring Color Code

DALIT8

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

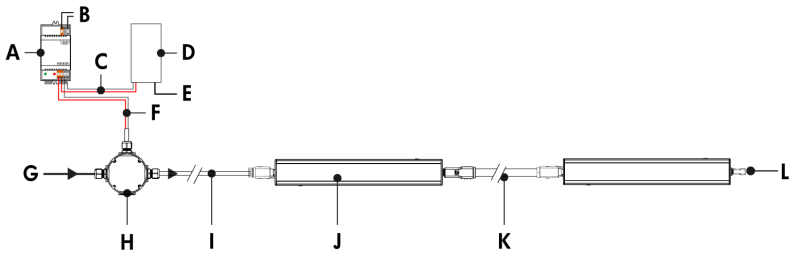
	120V	277V
Maximum Run of Fixtures	96ft	224ft

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

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

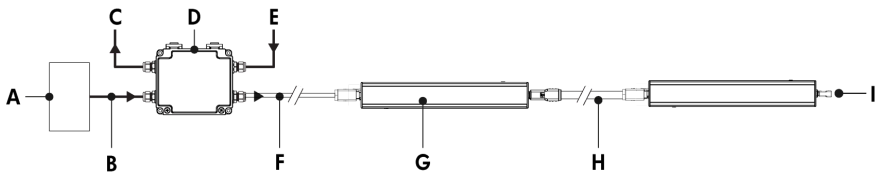
64 DALI addressable device limitation (each fixture is an addressable device).

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.

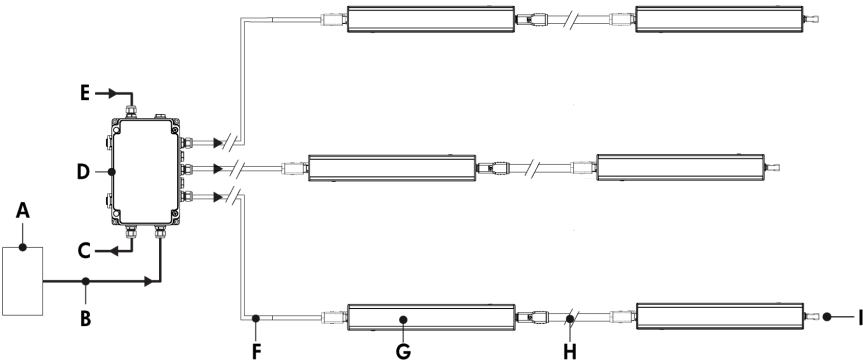
800 ft maximum DMX/RDM "Bus" length.

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.

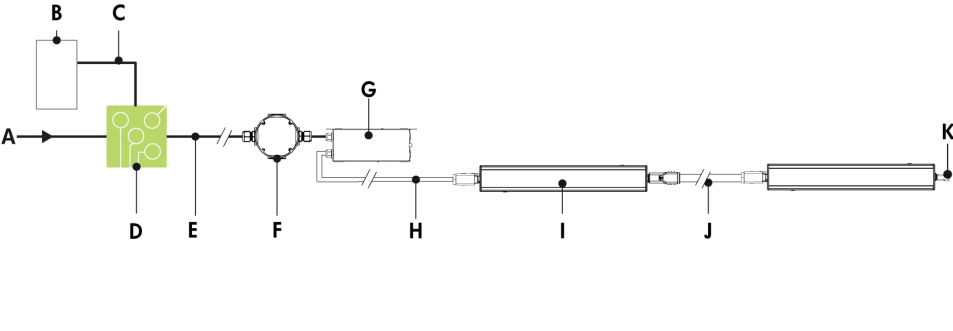
800 ft maximum DMX/RDM "Bus" length.

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 input (wiring by others)
- D - Lumentranslator 2 (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.

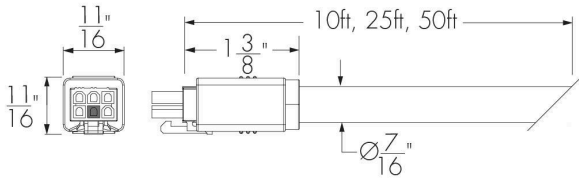
No third-party fixtures allowed on the same circuit.

Consult factory for DALI Lumentalk applications.

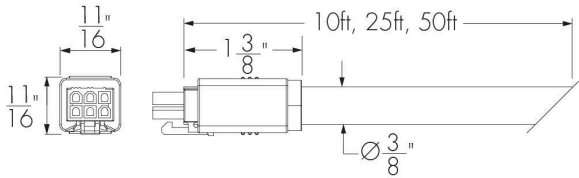
Refer to installation instructions for additional wiring details.

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 - DALI Control
MDR3P3D - DMX/RDM Control

LENGTH: 10 ft, 25 ft, 50 ft

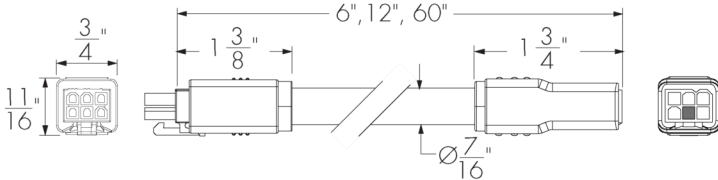
A DMX/RDM Terminator is mandatory at the end of a fixture run. One (1) included with every MDR3P3D Leader Cable.

Cable Bend Radius:
MDR3P: Minimal bend radius 2 in
MDR3P2D: Minimal bend radius 3 in
MDR3P3D: Minimal bend radius 2 in

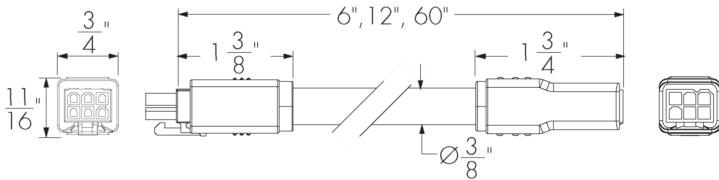
Consult Lumencore Linear Leader Cable specification sheet for additional information.
MDR3P2D: End Cap is provided.
MDR3P3D: DMX/RDM Terminator is provided

Jumper Cable (Order Separately)

LCVAJC - Lumencore Linear Jumper Cable (MDR3P2D)



LCVAJC - Lumencore Linear Jumper Cable (MDR3P3D)



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

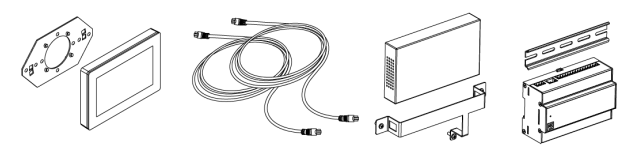
Specify:
CERTIFICATION: UL
CONTROL:
MDR3P2D - DALI
MDR3P3D - DMX/RDM Control
LENGTH: 6 in, 1 ft or 5 ft

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).

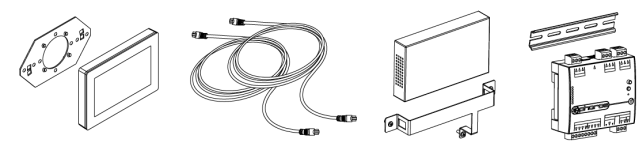
Control Systems (Order Separately)

PHAROS - Pharos® Designer Lighting Control Kit



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

EXPERT - Pharos® Expert Control Kit



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

Diagnostic And Addressing Tools (Order Separately)

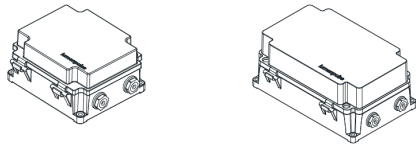
LID - LumenID



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

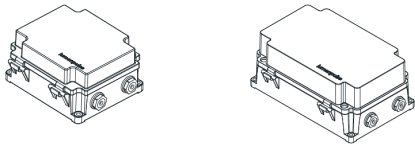
Control Boxes (Order Separately)

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



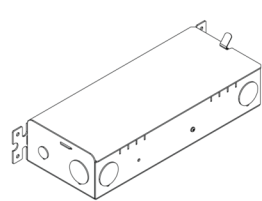
DMX/RDM control box. Up to six power and data outputs to fixtures or fixture runs. Consult CBX specification sheet and installation instructions for details. Lumenterminators provided with CBX (2x for Daisy Chain configuration, 6x for Star configuration), consult factory to order spares.

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



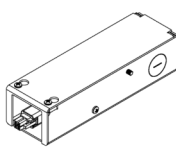
Ethernet control box. Up to four power and data outputs to fixture or fixture runs. Consult Ethernet CBX specification sheet and installation instructions for details.

LDBI - Lumentalk Data Bridge Indoor



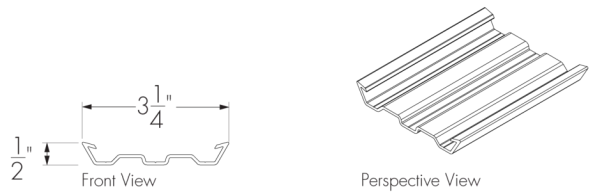
The Lumentalk Data Bridge Indoor is a digital interface that connects non-Lumentalk luminaires to the Lumentalk network, DMX output. Consult the Lumentalk Data Bridge Indoor specification sheet and installation instructions for details.

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 (Order Separately)



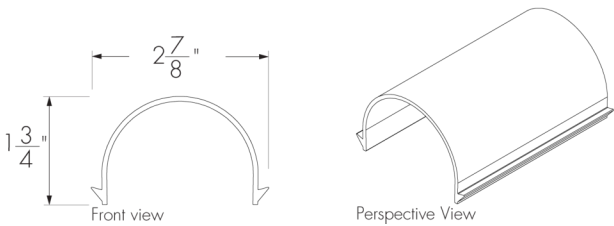
LCVAT-LENGTH-COLOR

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.

Alignment Track Cover (Order Separately)



LCVARC-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 ⁽¹⁾	Optic	Control ⁽³⁾	Mounting Options	Finish	Cable Color ⁽¹⁶⁾
LCVA Lumencore Linear Graze	UL UL Compliant	120 277 120 Volts to 277 Volts	12 12 in	4W 4 W/ft	MRGBA Opticolor™ Mix-at-Source Red, Green, Blue, PC Amber	10x10 10°x10°	DALI78 DALI 2 T8 Enabled Dimming 0.1% (4)	ST Standard Mounting ⁽⁶⁾ ⁽⁷⁾ (8) ⁽⁹⁾ SM Slim Adjustable Mounting Continuously Adjustable ⁽¹⁰⁾ WMC3 Wall Mounting Continuously Adjustable 3 in to Optical Center ⁽¹⁰⁾ WMC4 Wall Mounting Continuously Adjustable 4 in to Optical Center ⁽¹⁰⁾ WMC6 Wall Mounting Continuously Adjustable 6 in to Optical Center ⁽¹⁰⁾ WMC12 Wall Mounting Continuously Adjustable 12 in to Optical Center ⁽¹⁰⁾ WMC18 Wall Mounting Continuously Adjustable 18 in to Optical Center ⁽¹⁰⁾ WMC24 Wall Mounting Continuously Adjustable 24 in to Optical Center ⁽¹⁰⁾	MWH Matte White MBK Matte Black CC Custom Color & Finish ⁽⁶⁾ ⁽¹¹⁾ (12) ⁽¹³⁾ ⁽¹⁴⁾ SP Special Color (Choose From Standard Point Source Color Palette) ⁽¹⁵⁾	WH White BK Black
			24 24 in	7W 7 W/ft	MRGBW30K Opticolor® Mix-at-Source Red, Green, Blue, 30K ⁽²⁾ MRGBW40K Opticolor® Mix-at-Source Red, Green, Blue, 40K ⁽²⁾ MRGB Opticolor™ Mix-at-Source Red, Green, Blue	10x30 10°x30°				
			36 36 in	10W 10 W/ft		10x60 10°x60°				
			48 48 in	13W 13 W/ft		30x10 30°x10°				
						60x10 60°x10°				
						30x60 30°x60°				
						30x30 30°x30°				
						60x60 60°x60°				
						90x90 90°x90°				

- Notes:
1. Consult factory for custom LED layout.

2. Typical color rendering for white is CRI 80+.

3. Lumentalk system is enabled with Lumentalk Data Bridge Indoor (LDBI) accessory. A DMX/RDM control option must be specified in fixture code. See the typical wiring diagrams or consult factory for more details.

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

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

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

7. ST Mounting Option is required if the LCVA Alignment Track will be ordered separately.

8. ST Mounting Option is not compatible with SH Shield Accessory.

9. Two mounting brackets provided for each fixture length.

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

11. Textured colours and finishes are not available.

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

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

14. 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.

15. Concrete Grey (CGY) and Parget White (PWH) are not available as special colors.

16. 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.

How to Order

Accessories	Shield	Shield Finish	Buy American Act
NA No Accessory	NH No Shield	MWH Matte White	BAA Buy American (22)
VS Visor (17) (18) (19)	SH Shield (20) (21)	MBK Matte Black	
LV Louver (17) (18) (19)		CC Custom Color & Finish (6) (11) (12) (13) (14)	
HL Honeycomb Louver (17) (18) (19)		SP Special Color (Choose From Standard Point Source Color Palette) (15)	
SN Snoot (17) (18) (19)			

Notes:

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

11. Textured colours and finishes are not available.

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

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

14. 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.
15. Concrete Grey (CGY) and Parget White (PWH) are not available as special colors.

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

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

19. Matte black interior surface, exterior finish matches housing color.

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

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

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