Project Name _____ **Qty** _____

Type _____   **Catalog / Part Number** _____

12", 24", 36", 48"
8", 20", 32", 44"
2 13/16"
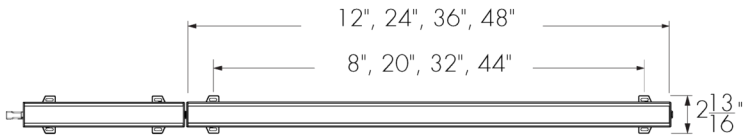
Top View
ST Mounting Option Shown

9/32" Minimum end-to-end spacing
(Some exceptions, see Jumper Cable section in specification sheet for details)
1 7/8"
2 1/4"
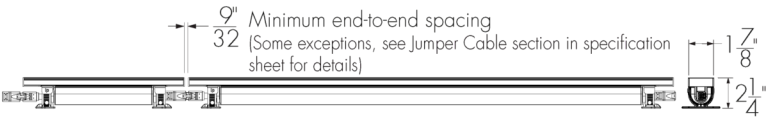
Front and Side Views

Photometric Summary (13 W/ft)

	Delivered Output (lm)
AB	5,105
CL	6,275
FR	5,291

1. Based on 4000K, 48 in.

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

3.

Refer to the Lumencore Linear Cove White and Static Colors Photometric Guide on Lumenpulse website for information on other color temperatures.

Optic

Asymmetric   Clear 120° x 120°   Frosted 120° x 120°

Color and Color Temperature

2200K   2700K   3000K   3500K   4000K

Red   Green   Blue   Phosphor Converted Amber (PC Amber)

Description

The Lumencore Linear Cove fixture is expertly crafted to provide reliable and uniform illumination for cove lighting applications. With a high CRI that ensures accurate color rendering, this luminaire enhances the ambiance of any space while seamlessly integrating into architectural designs. Its sleek profile and versatile mounting options make it ideal for creating indirect lighting effects in various settings, from retail environments to office spaces. Designed for efficiency and longevity, the Lumencore Linear Cove delivers consistent performance and energy savings, making it a perfect choice for those seeking both functionality and style in their lighting solutions.
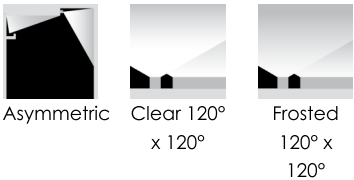
Features

Length (Nominal)	**12:** 12 in, **24:** 24 in, **36:** 36 in, **48:** 48 in
Color and Color Temperature	**22K:** 2200K **27K:** 2700K **30K:** 3000K **35K:** 3500K **40K:** 4000K **RD:** Red **GR:** Green **BL:** Blue **AMB:** Phosphor Converted Amber (PC Amber)
Optic	**AB:** Asymmetric **CL:** Clear 120° x 120° **FR:** Frosted 120° x 120°
Compact Mounting Options	**ST:** Standard Mounting **SM:** Slim Adjustable Mounting Continuously Adjustable

Control

ON/OFF   0-10V   DALI 2 T6   DMX/RDM

Certifications

c(UL)us   lp buyamerica·n   RoHS ✓   5 YEARS lumenpulse

Wall Mounting Options	**WMC3:** Wall Mounting Continuously Adjustable 3 in to Optical Center	**WMC4:** Wall Mounting Continuously Adjustable 4 in to Optical Center
	WMC6: Wall Mounting Continuously Adjustable 6 in to Optical Center	**WMC12:** Wall Mounting Continuously Adjustable 12 in to Optical Center
	WMC18: Wall Mounting Continuously Adjustable 18 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

BS: Beam Softener
VS: Visor
LV: Louver
HL: Honeycomb Louver
SN: Snoot
SH: Shield

Warranty

5-year limited warranty

Performance

Maximum Delivered Output

Up to 1707 lm
(4 W/ft, 4 ft fixture, 4000K, CRI 90+, Clear 120° x 120°)
Up to 3288 lm
(7 W/ft, 4 ft fixture, 4000K, CRI 90+, Clear 120° x 120°)
Up to 4782 lm
(10 W/ft, 4 ft fixture, 4000K, CRI 90+, Clear 120° x 120°)
Up to 6275 lm
(13 W/ft, 4 ft fixture, 4000K, CRI 90+, Clear 120° x 120°)

Color Rendering

CRI 90+ (White Light Only)

Color Consistency

1 SDCM

Lumen Maintenance

L70>90,000 hrs Ta 77 °F (TM-21 reported)
L70>100,000 hrs Ta 77 °F (projected)*
L95=20,200 hrs Ta 77 °F (TM-21 reported)
*Estimated based on in-situ case temperature and LM-80 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

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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) Fixture weights only. Refer to Mounting Options and Accessories section in specification sheet for total fixture weights with mounting brackets and optical accessories

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	**NO:** On/Off Control **PDA1:** Professional 0-10V Dimming 0.1% Linear Curve **PDA2:** Professional 0-10V Dimming 0.1% Logarithmic Curve **DALI:** DALI 2 T6 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

Accessories - Optional (Order Separately)

Cables	**LCVALC:** Lumencore Linear Leader Cable **LCVAJC:** Lumencore Linear Jumper Cable
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 (LCV/A Configuration)
Installation Accessories	**LCVAT:** Lumencore Linear Alignment Track **LCVARC:** 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.

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Photometric Information

4 W/ft (3000K)

	Delivered Output (lm)
AB	1,276
CL	1,569
FR	1,323

7 W/ft (3000K)

	Delivered Output (lm)
AB	2,458
CL	3,022
FR	2,548

10 W/ft (3000K)

	Delivered Output (lm)
AB	3,575
CL	4,394
FR	3,705

13 W/ft (3000K)

	Delivered Output (lm)
AB	4,691
CL	5,767
FR	4,862

Based on 4 ft fixture length, CRI 90, 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	1,389
CL	1,707
FR	1,439

7 W/ft (4000K)

	Delivered Output (lm)
AB	2,675
CL	3,288
FR	2,772

10 W/ft (4000K)

	Delivered Output (lm)
AB	3,890
CL	4,782
FR	4,032

13 W/ft (4000K)

	Delivered Output (lm)
AB	5,105
CL	6,275
FR	5,291

Based on 4 ft fixture length, CRI 90, full output.

Consult website for IES files. Delivered output: +/- 10% tolerance.
Photometric performance is measured in compliance with IESNA LM-79-24.
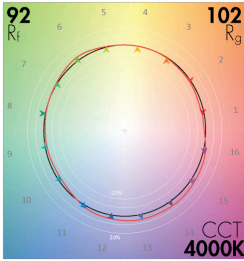
Refer to Photometric Guide on Lumenpulse website for information on other color temperatures.
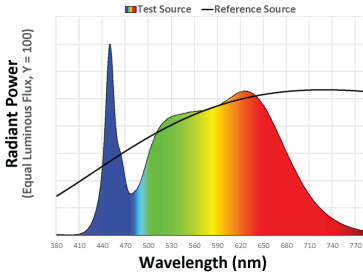
Chromaticity Data

TM-30 - 4000K

CCT	CIE		TM-30	
4000K	R_a	94	92	R_f
	R_9	84	102	R_g

Spectral Power Distribution

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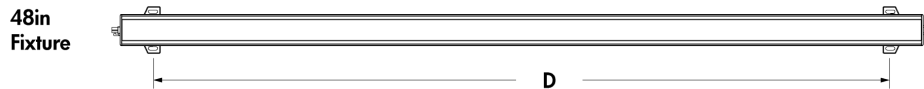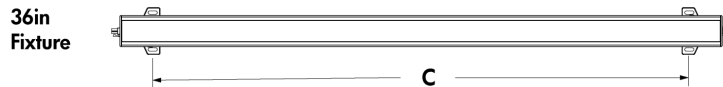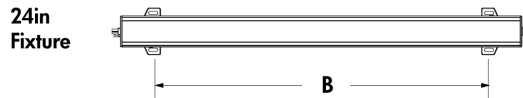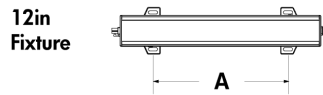
Spectral Information

	CRI	R9	M/P Ratio	MDER
2200K	94	65	0.348	0.315
2700K	93	73	0.463	0.42
3000K	94	82	0.536	0.485
3500K	93	76	0.612	0.555
4000K	94	84	0.714	0.647

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

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

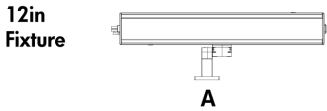## Mounting Bracket Placement

ST - Standard Mounting

12in Fixture

A

24in Fixture

B

36in Fixture

C

48in Fixture

D

Top view

Fixed Dimensions Between Brackets

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

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Mounting Bracket Placement (Minimum and Maximum Distances)

SM - Slim Adjustable Mounting
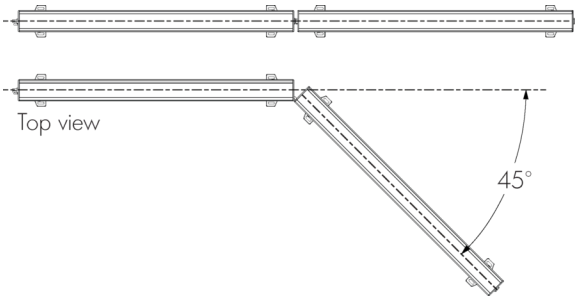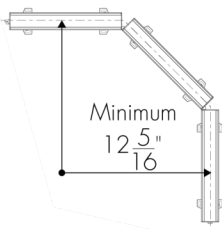**WMC - Wall Mounting Continuously Adjustable**

12in Fixture

A

24in Fixture

B

36in Fixture

C

48in Fixture

D
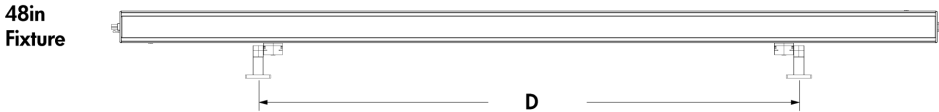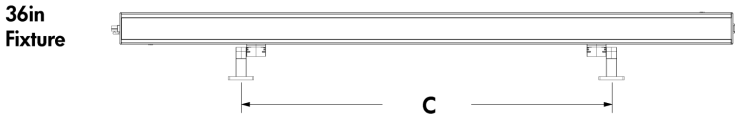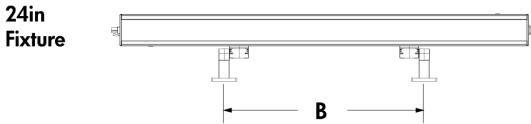
Top view

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
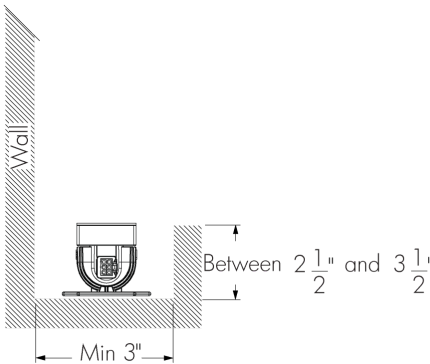
WMC3 mounting brackets shown.

Adjustment

Maximum Angle Adjustment

Top view

45°

Minimum Radius

Minimum $12\frac{5}{16}$"

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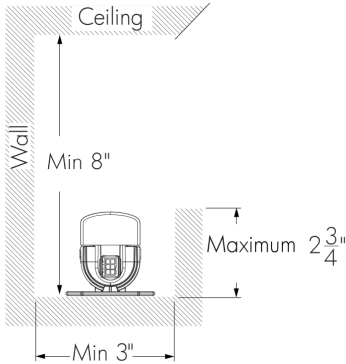## Suggested Cove Dimensions

Asymmetric Optic

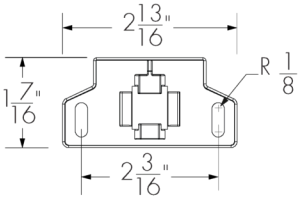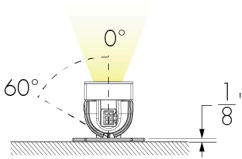### 120°x120° (Clear or Frosted)

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

Mounting Options

ST - Standard Mounting

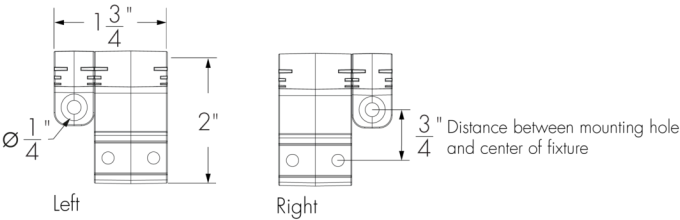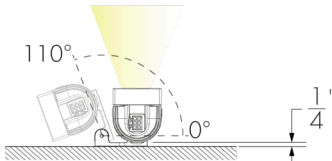Two mountings brackets provided for all fixture lengths.

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

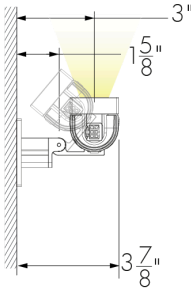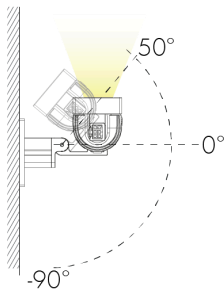The angle range will be impacted if optical accessories are added.

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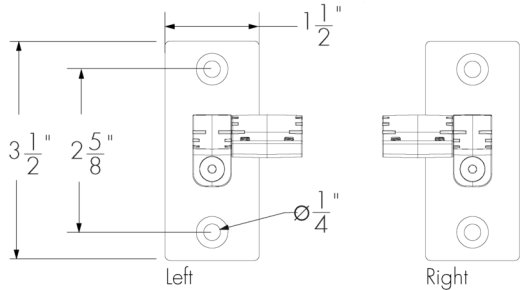
One mounting bracket provided for 12 in fixtures. Two mounting brackets provided for 24 in, 36 in and 48 in fixtures.

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.
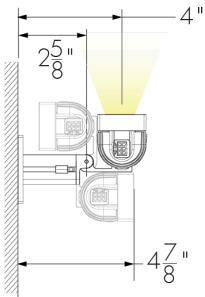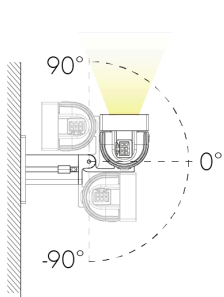
Weight of one WMC4 Mounting Bracket: 0.3 lbs.
Weight of two WMC4 Mounting Brackets: 0.6 lbs.

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

WMC4 - Mounting Hole Pattern

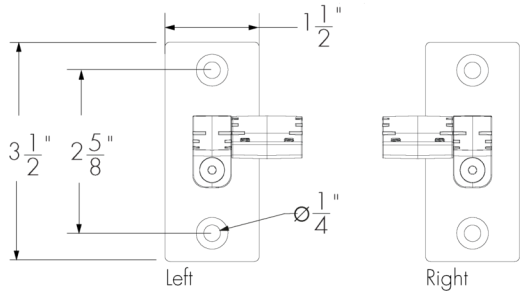## WMC6 - Wall Mounting Continuous Adjustable 6 in to Optical Center

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

WMC12 - Mounting Hole Pattern

Left   Right

One mounting bracket provided for 12 in fixtures. Two mounting brackets provided for 24 in, 36 in and 48 in fixtures.
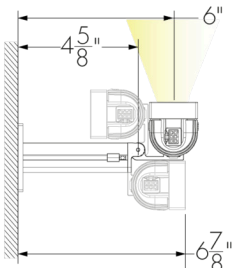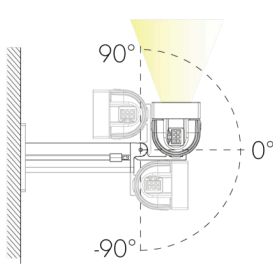
Weight of one WMC12 Mounting Bracket: 0.72 lbs.
Weight of two WMC12 Mounting Brackets: 1.43 lbs.

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

WMC18 - Wall Mounting Continuous Adjustable 18 in to Optical Center

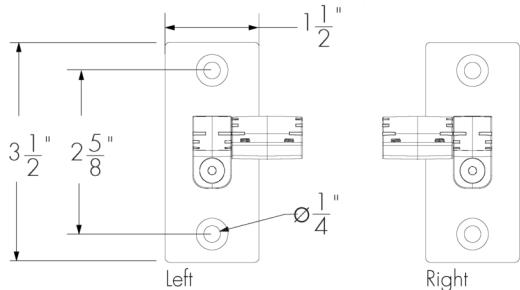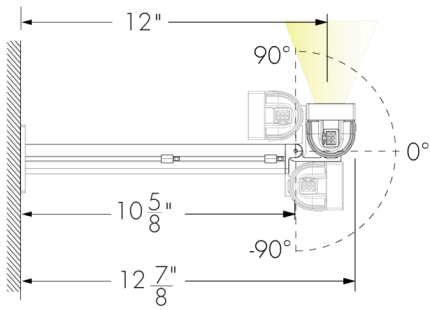## WMC18 - Mounting Hole Pattern

Left   Right

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.

WMC24 - Wall Mounting Continuous Adjustable 24 in to Optical Center
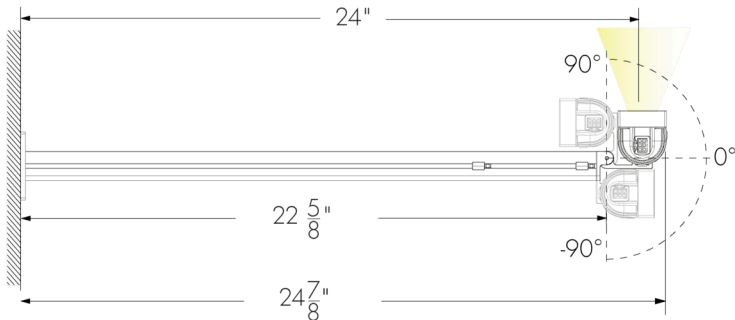
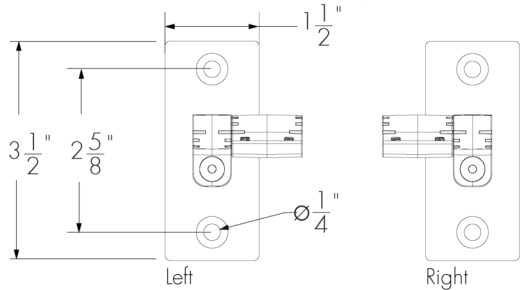## WMC24 - Mounting Hole Pattern

Left   Right

One mounting bracket provided for 12 in fixtures. Two mounting brackets provided for 24 in, 36 in and 48 in fixtures.
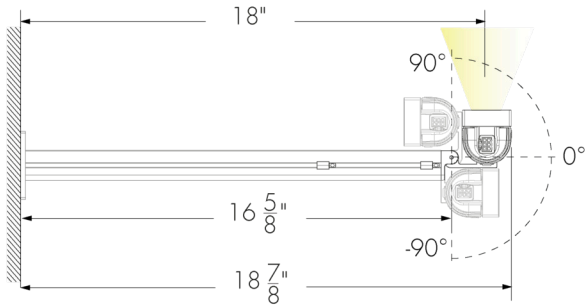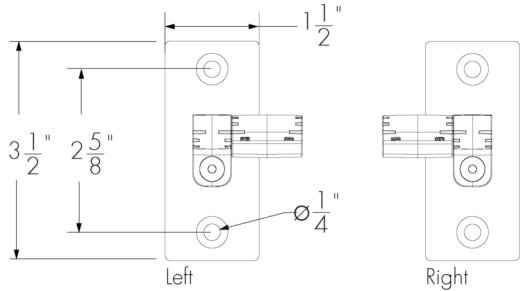
Weight of one WMC24 Mounting Bracket: 1.34 lbs.
Weight of two WMC24 Mounting Brackets: 2.69 lbs.

The weight of the mounting bracket is in addition to the weight of the fixture.
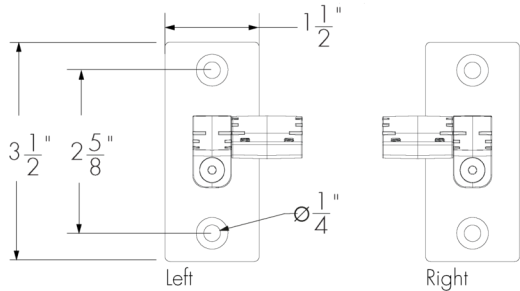
Cable Management System for Wall Mounting Brackets

Side view

Top view

Cable Attachment
Detail View

1/16"

3/8"

Cable tie as installed
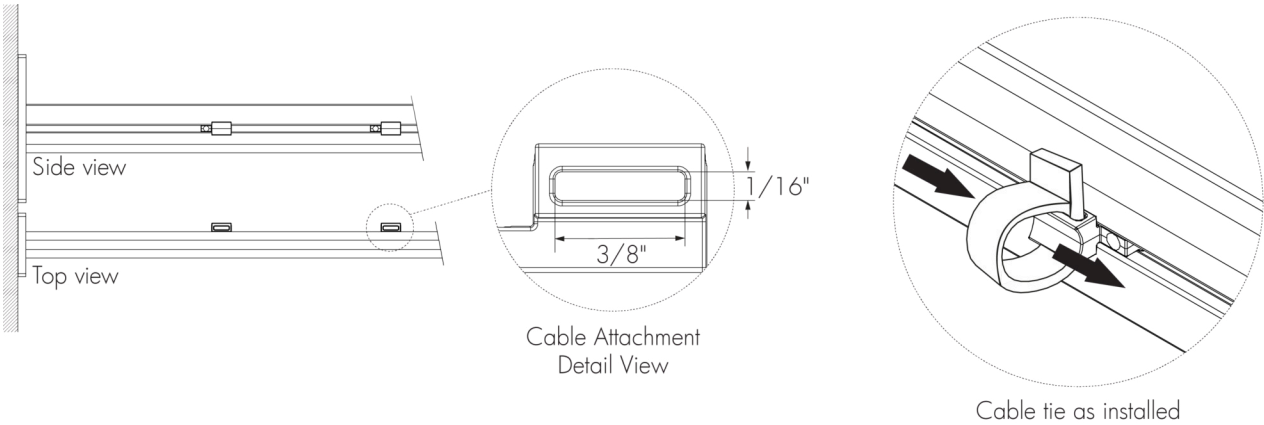
No cable attachment provided for WMC3.
One cable attachment provided for WMC4 & WMC6.
Two cable attachments provided for WMC12 & WMC18.
Three cable attachments provided for WMC24.

Maximum cable tie size: 0.35 in width, 0.08 in in thickness.
Cable ties are recommended, provided by others.
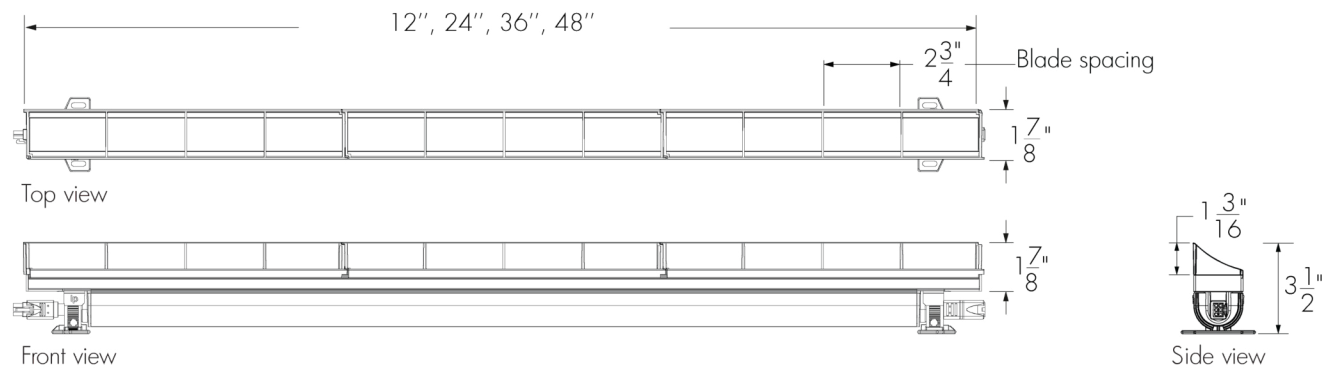
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Accessories

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.

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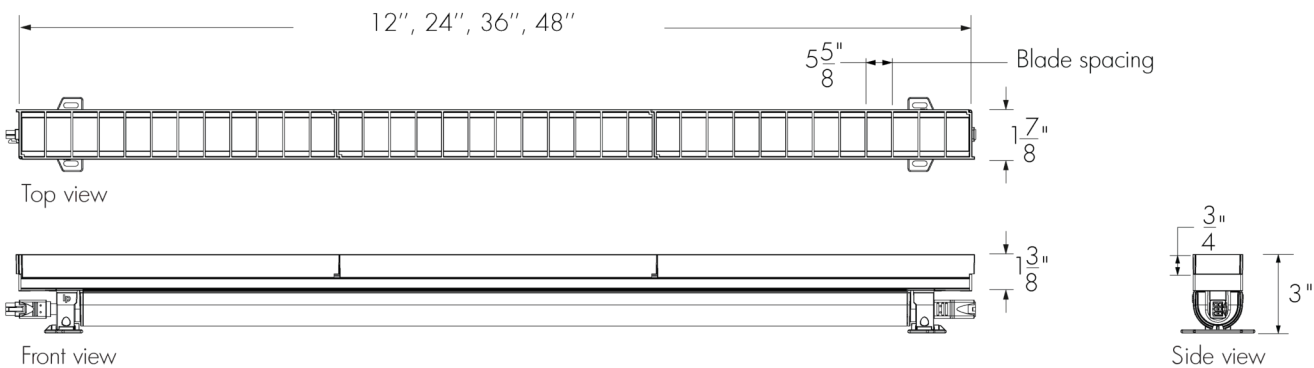
Weight of 1 accessory: 0.09 lbs, weight of 2 accessories: 0.18 lbs, weight of 3 accessories: 0.26 lbs, weight of 4 accessories: 0.35 lbs.
Note: The weight of the accessory is in addition to the weight of the fixture.

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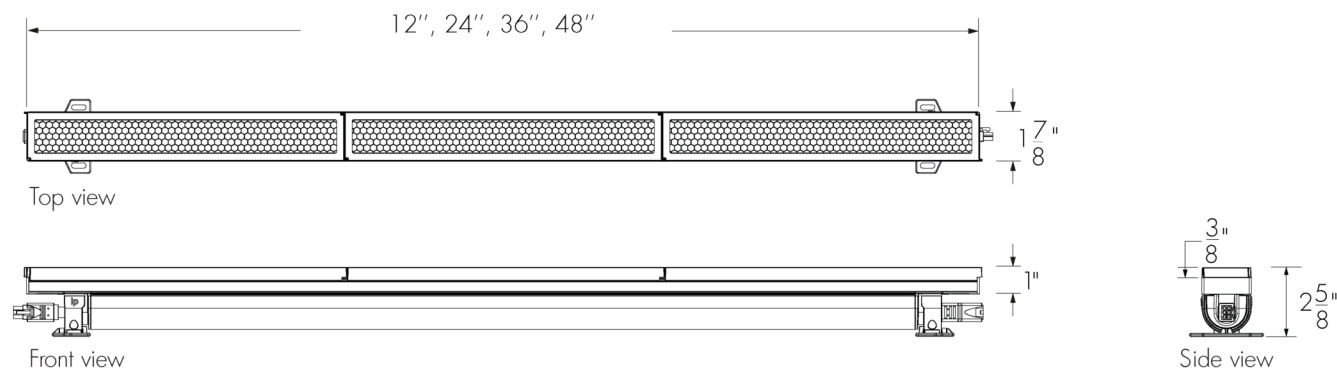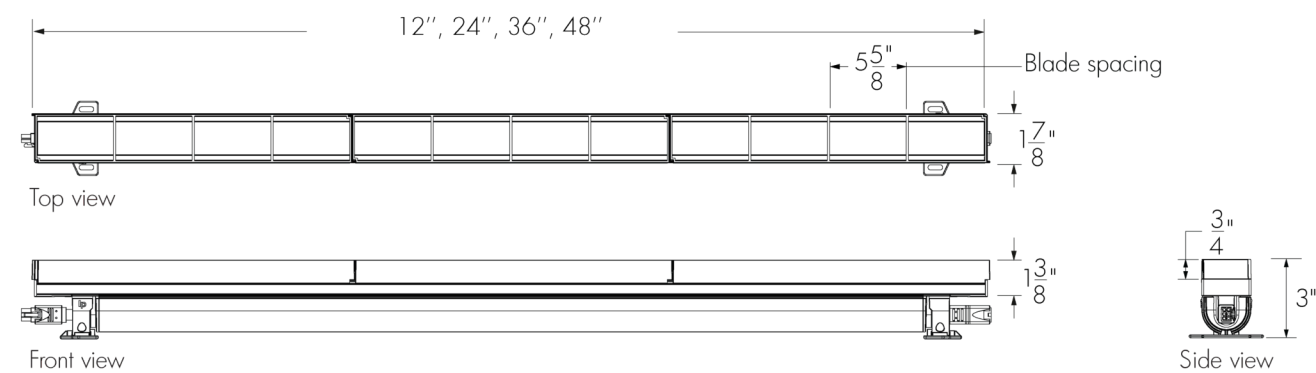
Weight of 1 accessory: 0.1 lbs, weight of 2 accessories: 0.2 lbs, weight of 3 accessories: 0.3 lbs, weight of 4 accessories: 0.4 lbs.
Note: The weight of the accessory is in addition to the weight of the fixture.

- 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.

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BS - Beam Softener

Top view — 12″, 24″, 36″, 48″ — $1\frac{7}{8}$″

Front view — $\frac{3}{4}$″

Side view — $2\frac{1}{4}$″

Weight of 12 in accessory: 0.07 lbs, weight of 24 in accessory: 0.13 lbs, weight of 36 in acccesory: 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 t 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.
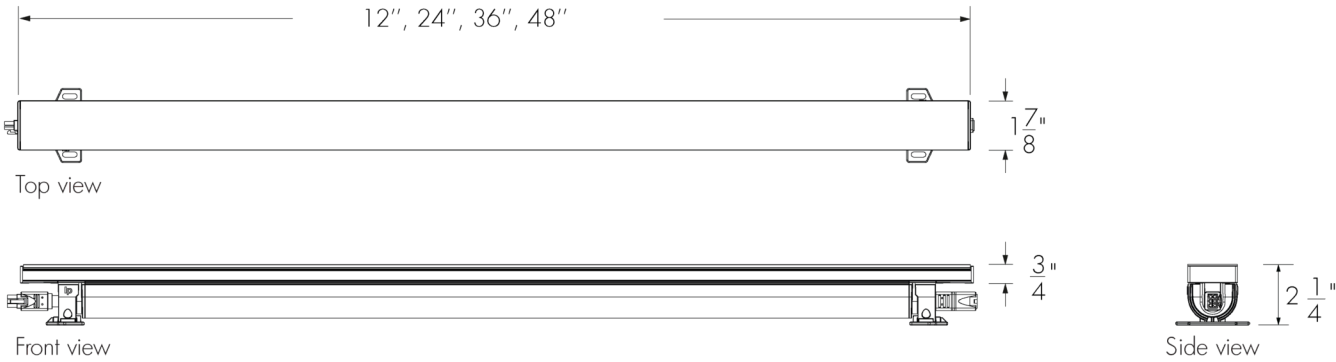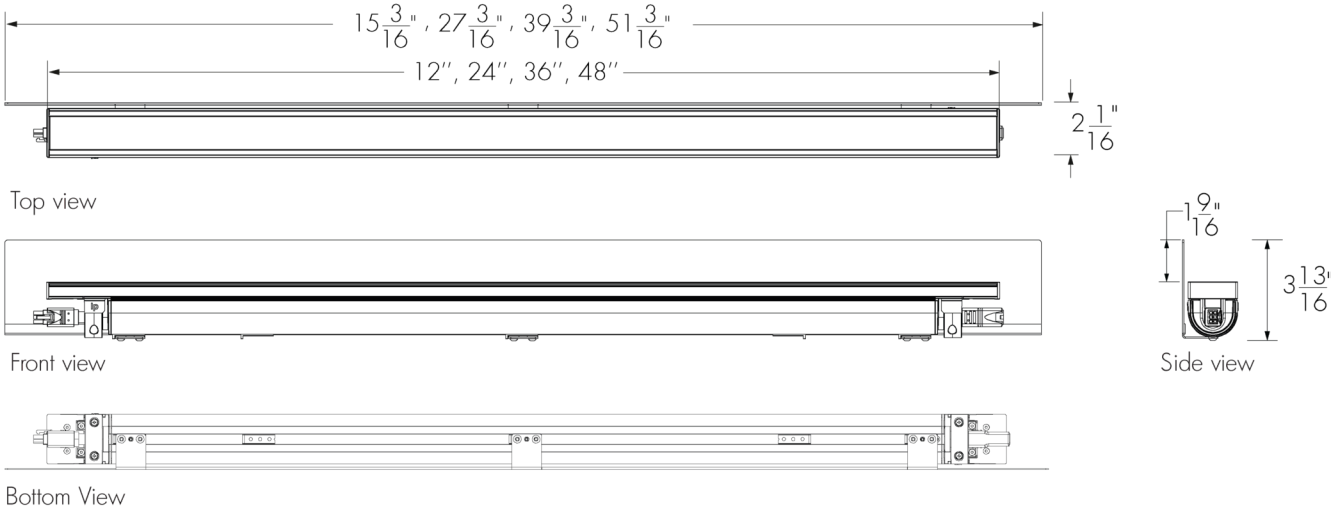
Not available for AB Asymmetric Optic.

SH - Shield

Top view — $15\frac{3}{16}$″, $27\frac{3}{16}$″, $39\frac{3}{16}$″, $51\frac{3}{16}$″ — 12″, 24″, 36″, 48″ — $2\frac{1}{16}$″

Front view — $1\frac{9}{16}$″ — $3\frac{13}{16}$″

Side view

Bottom View

Weight of 12 in accessory: 0.31 lbs, weight of 24 in accessory: 0.55 lbs, weight of 36 in acccesory: 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.

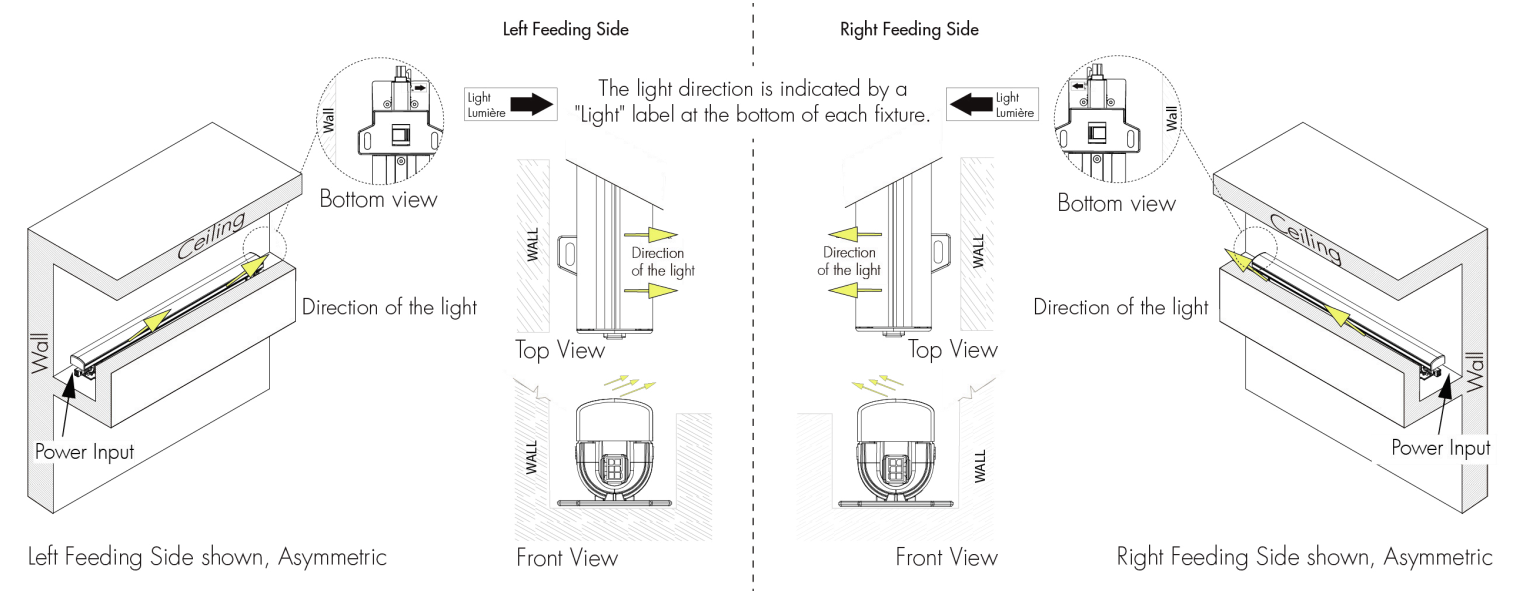- The Shield can only be used with WMC or SM mounting options.
- A Shield will affect beam distribution. Consult factory for application support.
- The Shield is field installable. The Shield can be combined with one other accessory.
- The exterior finish of the accessory will match the finish specified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

Not available for AB Asymmetric Optic.

Weight Table

	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

Weight (lbs)

Asymmetric Optic Details

Left Feeding Side

Right Feeding Side

The light direction is indicated by a "Light" label at the bottom of each fixture.

Bottom view

Direction of the light

Power Input

Left Feeding Side shown, Asymmetric

Top View

Front View

Top View

Front View

Bottom view

Direction of the light

Power Input

Right Feeding Side shown, Asymmetric

Resolution Details

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

1   2   3   4   5   6   7   8
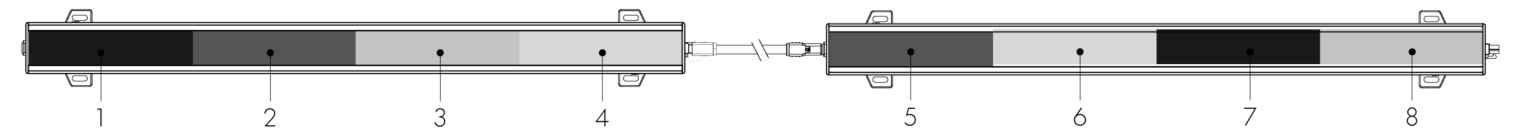
DMX/RDM Control, Resolution Per Fixture: Each Fixture is Addressed Independently

1   2

Wiring Color Code

On/Off

UL Color Code	Use
Green	Ground
Black	Line
White	Neutral

DALI, PDA1 or PDA2
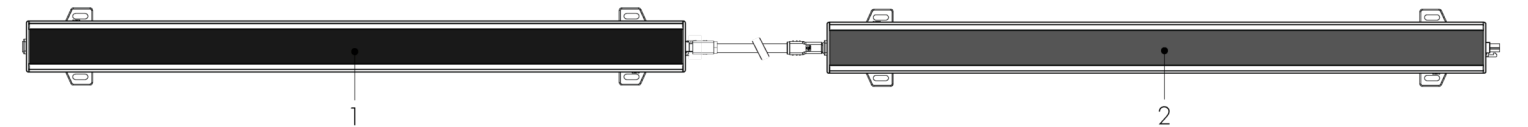
UL Color Code	Use
Green	Ground
Black	Line
White	Neutral
Purple	Data +
Pink	Data -

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

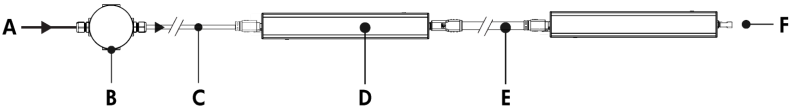|	120V	277V
Maximum Run of Fixtures	124ft	284ft

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.

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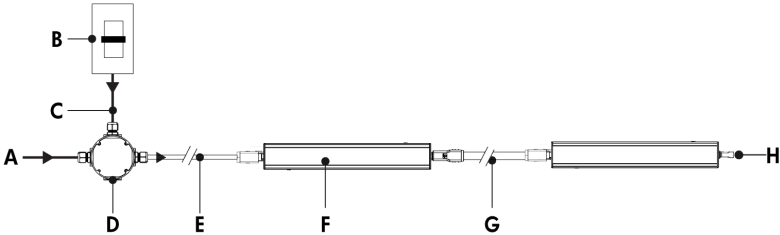
Lumencore Linear
Cove
LCV

WHITE & STATIC COLORS

Typical Wiring Diagrams

NO (On/Off Control)

A - Power input (120 to 277V, wiring by others)
B - Junction box (by others)
C - Leader Cable (LCVALC MDR3P)
D - Lumencore Linear
E - Jumper Cable (optional, LCVAJC MDR3P)
F - End Cap

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.

DALI T6 Control (DALI)
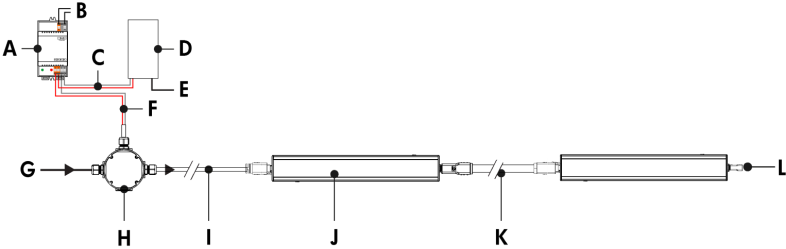
A - DALI bus power supply (by others)
B - Power input for DALI bus power supply (wiring by others)
C - Data output to DALI controller (wiring by others)
D - DALI controller (by others)
E - Power input for DALI controller (if required, wiring by others)
F - Data output to fixture (wiring by others)
G - Power input (120-277V, 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.

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0-10V, DALI or DMX Dimming With Lumentalk Data Bridge Indoor
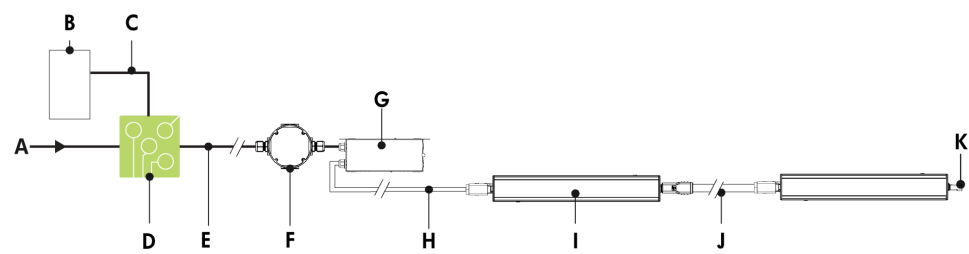
A - Power input (120 to 277V, wiring by others)
B - Dimmer/controller (order separately from Lumenpulse, or by others)
C - Data wiring (wiring by others)
D - Lumentranslator 2 (LTL2-DIM, -DMX)
E - Power wiring (by others)
F - Junction box (by others)
G - Lumentalk Data Bridge Indoor (LDBI-DIM or LDBI-DMX)
H - Leader Cable (LCVALC MDR3P2D or LCVALC MDR3P3D)
I - Lumencore Linear
J - Jumper Cable (optional, LCVAJC MDR3P2D or 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.

Daisy Chain Layout (DMX/RDM)
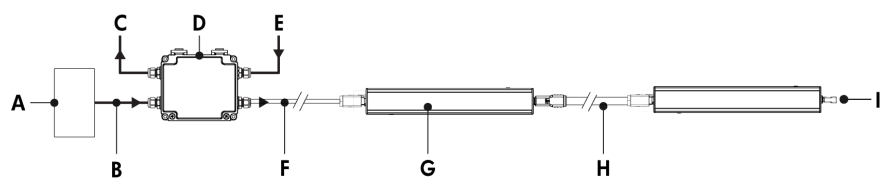
A - Third-party DMX/RDM controller
B - Data input (Belden 9841 or equivalent, by others)
C - Data output to next CBX (optional, not isolated/not boosted)
D - CBX-DS
E - Power input (120 to 277V, wiring by others)
F - Leader Cable (LCVALC MDR3P3D)
G - Lumencore Linear
H - Jumper Cable (optional, LCVAJC 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.
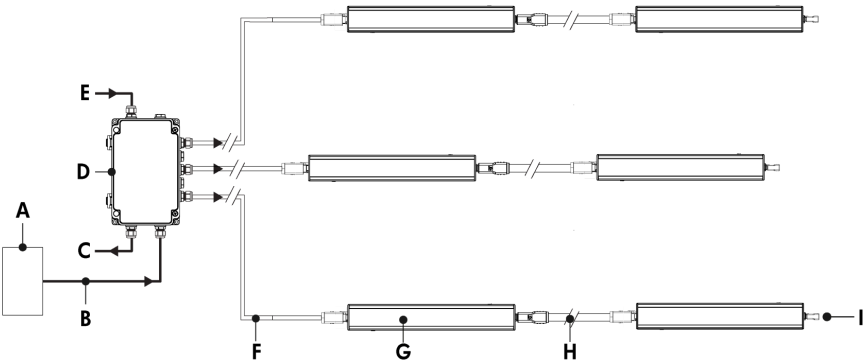
800 ft maximum DMX/RDM "Bus" length.

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.

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

Refer to installation instructions for additional wiring details.

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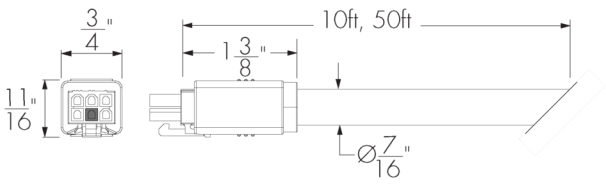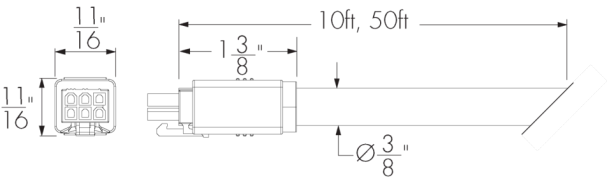## Leader Cable (Order Separately)

LCVALC - Lumencore Linear Leader Cable (MDR3P)
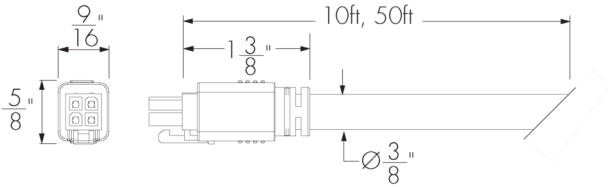
LCVALC - Lumencore Linear Leader Cable (MDR3P2D)

LCVALC - Lumencore Linear Leader Cable (MDR3P3D)

LCVALC-**UL-CERTIFICATION-VOLTAGE-CONTROL-LENGTH-CABLE COLOR**

Please specify:
CERTIFICATION: UL
VOLTAGE: 120_277
CONTROL:
MDR3P: On/Off
MDR3P2D: 0-10V and DALI
MDR3P3D: DMX/RDM
LENGTH: 10 ft, 50 ft
CABLE COLOR: WH (White), BK (Black)

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.
MDR3P and MDR3P2D: End Cap is provided
MDR3P3D: DMX/RDM Terminator is provided

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Jumper Cable (Order Separately)

LCVAJC - Lumencore Linear Jumper Cable (MDR3P)

LCVAJC - Lumencore Linear Jumper Cable (MDR3P2D)
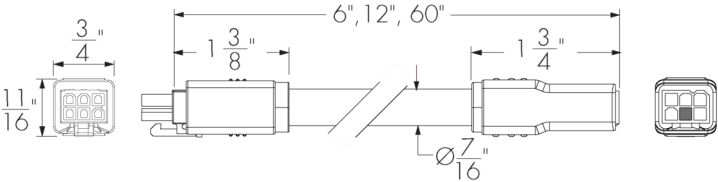
LCVAJC - Lumencore Linear Jumper Cable (MDR3P3D)

LCVAJC-**UL-CERTIFICATION-VOLTAGE-CONTROL-LENGTH-CABLE COLOR**

Specify:
CERTIFICATION: UL
VOLTAGE: 120_277
CONTROL:
MDR3P: On/Off
MDR3P2D: 0-10V and DALI
MDR3P3D: DMX/RDM
LENGTH: 6 in, 1 ft or 5 ft
CABLE COLOR: WH (White), BK (Black)

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

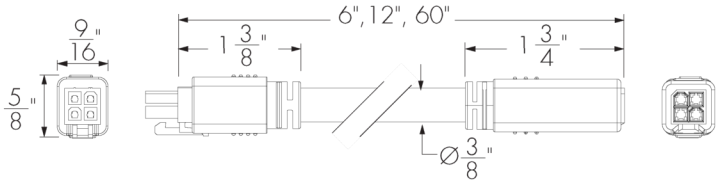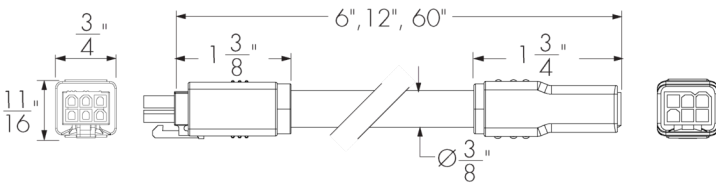Consult Lumencove Linear Jumper Cable specification sheet for additional information. Minimum spacing two fixtures in a row: 0.28 in (nominal).

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

LID-LT - LumentalkID

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

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

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Control Boxes (Order Separately)

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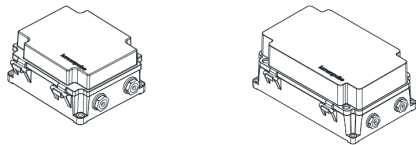
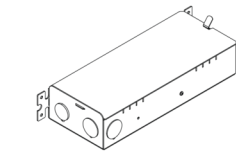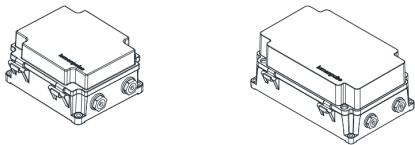DMX/RDM control box. Up to six power and data outputs to fixtures or fixture runs. Consult CBX specification sheet and installation instructions for details. Lumenterminators provided with CBX (2x for Daisy Chain configuration, 6x for Star configuration), consult factory to order spares.

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.
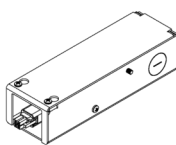
LDBI - Lumentalk Data Bridge Indoor

The Lumentalk Data Bridge Indoor is a digital interface that connects non-Lumentalk luminaires to the Lumentalk network, 0-10V or 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)

$3\frac{1}{4}$"

$\frac{1}{2}$"

Front View

Perspective View
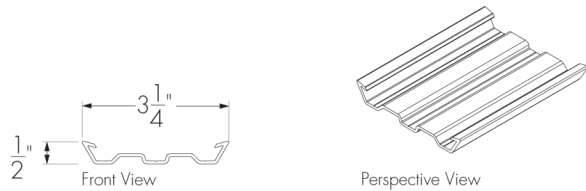
LCVAT-**LENGTH-COLOR**
LENGTH: 5 ft
COLOR: WH (White)
Alignment Track can only be used with ST Mounting Option. Alignment Track must be cut on site to desired length.

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Alignment Track Cover (Order Separately)
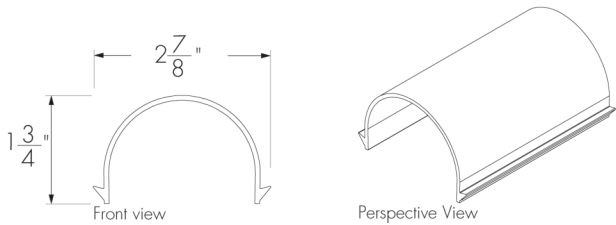
LCVARC-**LENGTH-COLOR**
LENGTH: 5 ft
COLOR: WH (White)

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	Color Rendering (1)	Optic	Feeding Side	Control (4)	Mounting Options
LCV Lumencore Linear Cove	**UL** UL Compliant	**120_277** 120 Volts to 277 Volts	**12** 12 in **24** 24 in **36** 36 in **48** 48 in	**4W** 4 W/ft **7W** 7 W/ft **10W** 10 W/ft **13W** 13 W/ft	**22K** 2200K **27K** 2700K **30K** 3000K **35K** 3500K **40K** 4000K **RD** Red **GR** Green **BL** Blue **AMB** Phosphor Converted Amber (PC Amber)	**90** CRI 90+	**AB** Asymmetric **CL** Clear 120° x 120° **FR** Frosted 120° x 120°	**NF** No Feed Information Required (2) **RF** Right Feeding Side (3) **LF** Left Feeding Side (3)	**NO** On/Off Control **PDA1** Professional 0-10V Dimming 0.1% Linear Curve **PDA2** Professional 0-10V Dimming 0.1% Logarithmic Curve **DALI** DALI 2 T6 Enabled Dimming 0.1% (5) **DMX/RDM** DMX/RDM Enabled Dimming 0.1% (6)	**ST** Standard Mounting (7) (8) (9) (10) **SM** Slim Adjustable Mounting Continuously Adjustable (11) **WMC3** Wall Mounting Continuously Adjustable 3 in to Optical Center (11) **WMC4** Wall Mounting Continuously Adjustable 4 in to Optical Center (11) **WMC6** Wall Mounting Continuously Adjustable 6 in to Optical Center (11) **WMC12** Wall Mounting Continuously Adjustable 12 in to Optical Center (11) **WMC18** Wall Mounting Continuously Adjustable 18 in to Optical Center (11) **WMC24** Wall Mounting Continuously Adjustable 24 in to Optical Center (11)

Notes:

1. Available for 22K, 27K, 30K, 35K and 40K color temperatures only.
2. Default option if AB Asymmetric Optic is not specified.
3. Specify for AB Asymmetric Optic only.
4. 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.
5. DALI 2 T6 controller required, provided by others.

6. A Control Box (CBX-DS or CBX-ST) and lumenID (LID) must be specified.
7. ST Mounting Option not available with CC Custom Color and Finish, or SP Special Color Finishes.
8. ST Mounting Option is required if the LCVAT Alignment Track will be ordered separately.
9. Two mounting brackets provided for each fixture length.
10. ST Mounting Option is not compatible with SH Shield Accessory.
11. One mounting bracket provided for 12 in fixtures. Two mounting brackets provided for 24 in, 36 in and 48 in fixtures.

How to Order

Finish	**Cable Color** [17]	**Accessories**	**Shield**	**Shield Finish**	**Buy America.n Act**
MWH Matte White **MBK** Matte Black **CC** Custom Color & Finish [7] [12] [13] [14] [15] **SP** Special Color (Choose From Standard Point Source Color Palette) [16]	**WH** White **BK** Black	**NA** No Accessory [18] **BS** Beam Softener **VS** Visor [19] [20] [21] **LV** Louver [19] [20] [21] **HL** Honeycomb Louver [19] [20] [21] **SN** Snoot [19] [20] [21]	**NH** No Shield **SH** Shield [22] [23] [24]	**MWH** Matte White **MBK** Matte Black **CC** Custom Color & Finish [7] [12] [13] [14] [15] **SP** Special Color (Choose From Standard Point Source Color Palette) [16]	**BAA** Buy America.n [25]

Notes:

7. ST Mounting Option not available with CC Custom Color and Finish, or SP Special Color Finishes.
12. Textured colours and finishes are not available.
13. Lumenpulse offers a wide selection of RAL CLASSIC (K7) colors with a smooth texture and high-gloss finish. Please consult factory for a list of available K7 colors, other RAL textures and glosses, or to match alternate color charts. Final color matching results may vary.
14. Setup charges apply for RAL colors. Consult factory for details.
15. Longer lead times can be expected for custom RAL color finishes.
16. Concrete Grey (CGY) and Parget White (PWH) are not available as special colors.
17. 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.

18. Default option if AB Asymmetric Optic is specified. NA No Accessory must be specified in the product code.
19. Accessories are sold in 12 in sections. The length specified for the fixture will determine the number of accessories provided.
20. Not available if CC Custom Color and Finish or SP Special Color is specified in the product code.
21. Matte black interior surface, exterior finish matches housing color.
22. The SH Shield Accessory is not available with ST Mounting Option.
23. The SH Shield Accessory is not available with AB Asymmetric Optic.
24. The SH Shield Accessory can be combined with one other accessory.
25. Contact your Lumenpulse Sales Representative for more information on order volume details.

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