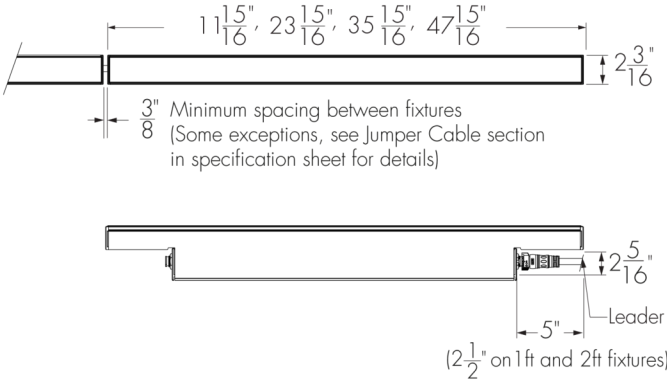
Project Name _____ **Qty** _____

Type _____ **Catalog / Part Number** _____

MDWH Configruation Shown



36 in Fixtures Shown

Photometric Summary (22 W/ft)

Symmetric

	Delivered Output (lm)	Intensity (Peak cd)
10°x10°	6,113	81,532
10°x30°	5,777	30,005
10°x60°	5,814	18,433
10°x90°	5,815	12,570
30°x30°	5,705	13,493
30°x60°	5,661	7,384
30°x90°	5,140	5,240
60°x60°	5,593	4,605
90°x90°	5,468	3,165
30°x10°	5,469	26,946
60°x10°	5,618	17,037
60°x30°	5,605	8,335
90°x10°	4,985	10,003
W (120°)	4,310	1,519

Asymmetric

NAS	6,021	36,752
WW	5,809	9,550
CAS	4,701	6,421

1.

Based on MDWH, 48 in, DMX/RDM control.

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

3. 10x10, 10x30, 10x60, 10x90, 30x30, 30x60, 30x90, 60x60, 90x90, 30x10, 60x10, 60x30, 90x10, W, NAS and CAS optics tested with CL lens. WW optic tested with HFR lens.

4.

Refer to the Lumenfacade Max Dynamic White Photometric Guide on Lumenpulse website for information on other color temperatures.

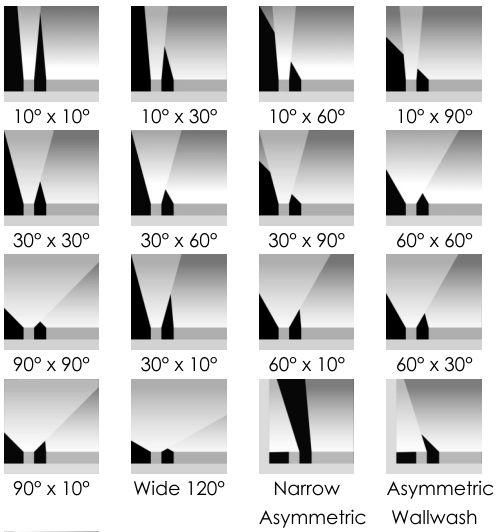
Description

The Lumenfacade Max Dynamic White introduces never-before-seen technologies and is the first linear fixture in the world to feature Opticolor™, Lumenpulse's revolutionary, patented mixed-at-source technology. Available in three colour temperature ranges, as well as Lumenpulse's Dim to Warm option, the Lumenpulse Max Dynamic White allows you the variability to dial each project to your vision.

Features

Length (Nominal)	**12:** 12 in, **24:** 24 in, **36:** 36 in, **48:** 48 in
Color and Color Temperature	**MDWW:** 2200K to 3000K, CRI 80, Mutli-Channel Control **MDWWP:** 2200K to 3500K, CRI 80, Mutli-Channel Control **MDWH:** 2700K to 6500K, CRI 80, Mutli-Channel Control **MDTW:** 2700K to 2200K, CRI 80, Dim to Warm, 1 Channel Control
Vibration Rating	**NVR:** Buildings and Fixed Structures **VRN:** Pole-Mounts **VRBO:** Bridges and Overpasses
Fixed Mounting Options	**FX:** Fixed Mounting (0° Pivot Limit)

Optic



10° x 10° | 10° x 30° | 10° x 60° | 10° x 90°
30° x 30° | 30° x 60° | 30° x 90° | 60° x 60°
90° x 90° | 30° x 10° | 60° x 10° | 60° x 30°
90° x 10° | Wide 120° | Narrow Asymmetric | Asymmetric Wallwash

Ceiling Asymmetric

Color and Color Temperature

opticolor™ | opticolor™ | opticolor™ | opticolor™

Control

DALI T8 | lumenpalk | DMX/RDM | 0-10V

extendX

Finish

Black Sandtex® | Bronze Sandtex® | Silver Sandtex® | Smooth White | Textured Black

Textured Bronze Non-Metallic | Textured Medium Gray | Textured Green | Textured White | Custom Color & Finish

Continuously Adjustable Mounting Options	**SM:** Slim Adjustable Mounting Continuously Adjustable (110˚ Pivot Limit) **WMC3:** Wall Mounting Continuously Adjustable, 3.5 in to Optical Center (130˚ Pivot Limit) **WMC12:** Wall Mounting Continuously Adjustable, 12 in to Optical Center (180˚ Pivot Limit) **WMC24:** Wall Mounting Continuously Adjustable, 24 in to Optical Center (180˚ Pivot Limit)	**WMC1:** Wall Mounting Continuously Adjustable, 1.5 in to Optical Center (180˚ Pivot Limit) **WMC6:** Wall Mounting Continuously Adjustable, 6 in to Optical Center (170˚ Pivot Limit) **WMC18:** Wall Mounting Continuously Adjustable, 18 in to Optical Center (180˚ Pivot Limit)
Incrementally Adjustable Mounting Options	**WMi1:** Wall Mounting Incrementally Adjustable by 6˚, 1.5 in to Optical Center (180˚ Pivot Limit) **WMi6:** Wall Mounting Incrementally Adjustable by 6˚, 6 in to Optical Center (170˚ Pivot Limit) **WMi18:** Wall Mounting Incrementally Adjustable by 6˚, 18 in to Optical Center (180˚ Pivot Limit)	**WMi3:** Wall Mounting Incrementally Adjustable by 6˚, 3.5 in to Optical Center (130˚ Pivot Limit) **WMi12:** Wall Mounting Incrementally Adjustable by 6˚, 12 in to Optical Center (180˚ Pivot Limit) **WMi24:** Wall Mounting Incrementally Adjustable by 6˚, 24 in to Optical Center (180˚ Pivot Limit)
Optical Accessories	**LV:** Radial Louver **LVAS:** Radial Louver Asymmetric **VS:** Visor **SH:** Shield	
Warranty	5-year limited warranty	

Performance

Maximum Delivered Output	1,482 lm (6 W/ft, 48 in fixture, MDWW and MDTW, 10° x 10°, CL lens, DMX/RDM) 2,499 lm (10 W/ft, 48 in fixture, MDWW and MDTW, 10° x 10°, CL lens, DMX/RDM) 5,163 lm 22 W/ft, 48 in fixture, MDWW and MDTW, 10° x 10°, CL lens, DMX/RDM) 1,682 lm (6 W/ft, 48 in fixture, MDWH, 10° x 10°, CL lens, DMX/RDM) 2,859 lm (10 W/ft, 48 in fixture, MDWH, 10° x 10°, CL lens, DMX/RDM) 6,113 lm (22 W/ft, 48 in fixture, MDWH, 10° x 10°, CL lens, DMX/RDM)

Certifications

Maximum Delivered Intensity	19,765 cd at nadir (6 W/ft, 48 in fixture, MDWW and MDTW, 10° x 10°, CL lens, DMX/RDM) 33,333 cd at nadir (10 W/ft, 48 in fixture, MDWW and MDTW, 10° x 10°, CL lens, DMX/RDM) 68,868 cd at nadir (22 W/ft, 48 in fixture, MDWW and MDTW, 10° x 10°, CL lens, DMX/RDM) 22,430 cd at nadir (6 W/ft, 48 in fixture, MDWH, 10° x 10°, CL lens, DMX/RDM) 38,138 cd at nadir (10 W/ft, 48 in fixture, MDWH, 10° x 10°, CL lens, DMX/RDM) 81,532 cd at nadir (22 W/ft, 48 in fixture, MDWH, 10° x 10°, CL lens, DMX/RDM)
Illuminance at Distance	Minimum 1 fc at 141 ft (6 W/ft, 48 in fixture, MDWW and MDTW, 10° x 10°, CL lens, DMX/RDM) Minimum 1 fc at 183 ft (10 W/ft, 48 in fixture, MDWW and MDTW, 10° x 10°, CL lens, DMX/RDM) Minimum 1 fc at 262 ft (22 W/ft, 48 in fixture, MDWW and MDTW, 10° x 10°, CL lens, DMX/RDM) Minimum 1 fc at 150 ft (6 W/ft, 48 in fixture, MDWH, 10° x 10°, CL lens, DMX/RDM) Minimum 1 fc at 195 ft (10 W/ft, 48 in fixture, MDWH, 10° x 10°, CL lens, DMX/RDM) Minimum 1 fc at 286 ft (22 W/ft, 48 in fixture, MDWH, 10° x 10°, CL lens, DMX/RDM)
Lumen Maintenance	L70 (15K) > 90,000 hrs Ta 25 °C (TM-21 reported) L70 > 150,000 hrs Ta 25 °C (projected)* L90 (15K) = 65,700 hrs Ta 25 °C (TM-21 reported) L90 = 65,700 hrs Ta 25 °C (projected)* *Estimated based on in-situ case temperature and LM-80 report

Physical

Housing Material	Low copper content extruded aluminum
Lens Material	Tempered glass
Hardware Material	Stainless steel
End Cap Material	Die cast aluminum
Gasket Material	Silicone
Surface Finish	**XD:** Luminaire treated with extra-durable, multi-step finish: zirconium pretreatment completed with corrosion-resistant primer and electrostatically-applied, powder coat paint finish
Weight	4.5 lbs (12 in fixture) 7.5 lbs (24 in fixture) 11.5 lbs (36 in fixture) 14.5 lbs (48 in fixture)

Electrical and Control

Voltage	120 to 277 Volts (UL Certification) 220 to 240 volts (CE certification, Class I) 100 to 200 volts (PSE Certification) Note: For 208V, 220V, 240V, and 277V systems, the voltage drop must not fall below 195V. For 200V system with PSE Cerification, the voltage drop must not fall below 160V.
Wattage	**6W:** 6 W/ft, **10W:** 10 W/ft, **22W:** 22 W/ft
Control	**DALIT8:** DALI 2 T8 Enabled Dimming 0.1% **LT:** Lumentalk **DMX/RDM:** DMX/RDM Enabled Dimming **DIM:** 0-10V Dimming **ETX:** ExtendX™
Inrush Current (Peak)	Meets NEMA-410 requirements (Based on voltage and control specifications, consult factory for details)

Environmental

Storage Temperature	-40 °F to 185 °F
Start-up Temperature	-40 °F to 122 °F
Operating Temperature	For 6 W/ft fixtures: -40 °F to 122 °F For 10 W/ft fixtures: -40 °F to 122 °F For 22 W/ft fixtures, UL Certification: -40 °F to 122 °F For 22 W/ft fixtures, CE Certification: -40 °F to 104 °F
Ingress Protection Rating	IP66 IP67 (suitable for applications with temporary immersion in water only (no permanent immersion), proper drainage around the fixture is required). Consult factory for details
Impact Resistance Rating	IK07 (CL lens), IK07 (HFR lens), IK06 (FR lens) Consult factory for IK08 lens option
Application Wind Speed	Luminaires were designed based on AASHTO 2013 standard to ensure highest quality and safety. Installation should be validated by a local project engineer to ensure the luminaires are suitable for the wind speed and exposure of the specific application
Environment	Wet location rating

Accessories (Order Separately)

Cables	**LFLC:** Lumenfacade Leader cable **LFJC:** Lumenfacade Jumper Cable **LFTJ:** Lumenfacade T-Junction

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

6 W/ft (MDWW and MDTW)

Symmetric

	Delivered Output (lm)	Intensity (Peak cd)
10°x10°	1,482	19,765
10°x30°	1,400	7,274
10°x60°	1,409	4,469
10°x90°	1,410	3,047
30°x30°	1,383	3,271
30°x60°	1,372	1,790
30°x90°	1,246	1,270
60°x60°	1,356	1,116
90°x90°	1,325	767
30°x10°	1,326	6,533
60°x10°	1,362	4,130
60°x30°	1,359	2,021
90°x10°	1,208	2,425
W (120°)	1,045	368

Asymmetric

NAS	1,460	8,910
WW	1,408	2,315
CAS	1,140	1,557

Based on MDWW and MDTW, full output, 48 in, DMX/RDM.

10 W/ft (MDWW and MDTW)

Symmetric

	Delivered Output (lm)	Intensity (Peak cd)
10°x10°	2,499	33,333
10°x30°	2,362	12,267
10°x60°	2,377	7,536
10°x90°	2,377	5,139
30°x30°	2,332	5,516
30°x60°	2,314	3,019
30°x90°	2,102	2,142
60°x60°	2,287	1,883
90°x90°	2,235	1,294
30°x10°	2,236	11,017
60°x10°	2,297	6,965
60°x30°	2,291	3,407
90°x10°	2,038	4,090
W (120°)	1,762	621

Asymmetric

NAS	2,462	15,026
WW	2,375	3,904
CAS	1,922	2,625

Based on MDWW and MDTW, full output, 48 in, DMX/RDM.

22 W/ft (MDWW and MDTW)

Symmetric

	Delivered Output (lm)	Intensity (Peak cd)
10°x10°	5,163	68,868
10°x30°	4,879	25,345
10°x60°	4,911	15,570
10°x90°	4,912	10,618
30°x30°	4,819	11,397
30°x60°	4,781	6,237
30°x90°	4,342	4,426
60°x60°	4,724	3,890
90°x90°	4,618	2,673
30°x10°	4,620	22,761
60°x10°	4,745	14,391
60°x30°	4,734	7,040
90°x10°	4,210	8,449
W (120°)	3,641	1,283

Asymmetric

NAS	5,086	31,044
WW	4,907	8,067
CAS	3,971	5,424

Based on MDWW and MDTW full output, 48 in, DMX/RDM.

Photometric performance is measured in compliance with IESNA LM 79-08.
10x10, 10x30, 10x60, 10x90, 30x30, 30x60, 30x90, 60x60, 90x90, 30x10, 60x10, 60x30, 90x10, W, NAS and CAS optics tested with CL lens. WW optic tested with HFR lens.

6 W/ft (MDWH)

Symmetric

	Delivered Output (lm)	Intensity (Peak cd)
10°x10°	1,682	22,430
10°x30°	1,589	8,254
10°x60°	1,599	5,071
10°x90°	1,600	3,458
30°x30°	1,569	3,712
30°x60°	1,557	2,031
30°x90°	1,414	1,442
60°x60°	1,539	1,267
90°x90°	1,504	871
30°x10°	1,505	7,413
60°x10°	1,545	4,687
60°x30°	1,542	2,293
90°x10°	1,371	2,752
W (120°)	1,186	418

Asymmetric

NAS	1,656	10,111
WW	1,598	2,627
CAS	1,293	1,767

Based on MDWH, full output, 48 in, DMX/RDM.

10 W/ft (MDWH)

Symmetric

	Delivered Output (lm)	Intensity (Peak cd)
10°x10°	2,859	38,138
10°x30°	2,702	14,035
10°x60°	2,720	8,622
10°x90°	2,720	5,880
30°x30°	2,669	6,311
30°x60°	2,648	3,454
30°x90°	2,405	2,451
60°x60°	2,616	2,154
90°x90°	2,558	1,480
30°x10°	2,558	12,605
60°x10°	2,628	7,969
60°x30°	2,622	3,899
90°x10°	2,332	4,679
W (120°)	2,016	711

Asymmetric

NAS	2,816	17,191
WW	2,717	4,467
CAS	2,199	3,004

Based on MDWH, full output, 48 in, DMX/RDM.

22 W/ft (MDWH)

Symmetric

	Delivered Output (lm)	Intensity (Peak cd)
10°x10°	6,113	81,532
10°x30°	5,777	30,005
10°x60°	5,814	18,433
10°x90°	5,815	12,570
30°x30°	5,705	13,493
30°x60°	5,661	7,384
30°x90°	5,140	5,240
60°x60°	5,593	4,605
90°x90°	5,468	3,165
30°x10°	5,469	26,946
60°x10°	5,618	17,037
60°x30°	5,605	8,335
90°x10°	4,985	10,003
W (120°)	4,310	1,519

Asymmetric

NAS	6,021	36,752
WW	5,809	9,550
CAS	4,701	6,421

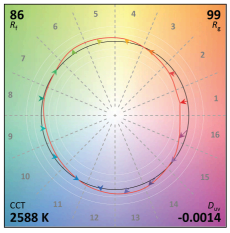
Based on MDWH, full output, 48 in, DMX/RDM.

Photometric performance is measured in compliance with IESNA LM 79-08.
10x10, 10x30, 10x60, 10x90, 30x30, 30x60, 30x90, 60x60, 90x90, 30x10, 60x10, 60x30, 90x10, W, NAS and CAS optics tested with CL lens. WW optic tested with HFR lens.

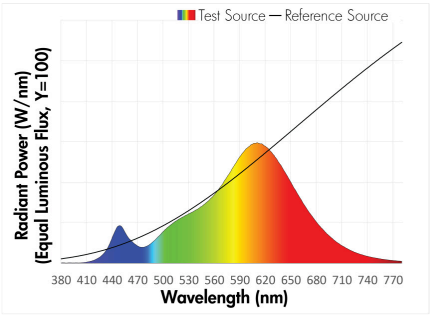
Chromaticity Data

TM-30 - MDWW

CCT	CIE		TM-30	
MDWW Full Output	R_a	85	86	R_f
	R_9	17	99	R_g



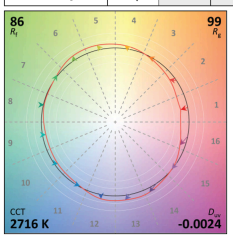
MDWW Spectral Power Distribution



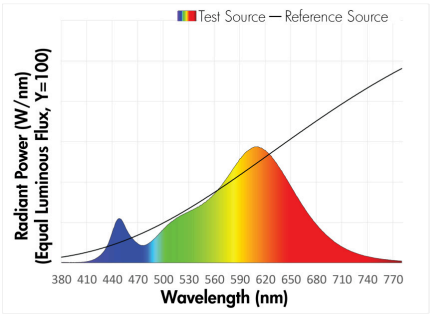
Refer to the TM-30 and Spectral Power Distribution Guide on the website for information on other color temperatures.

TM-30 - MDWWP

CCT	CIE		TM-30	
MDWWP Full Output	R_a	85	86	R_f
	R_9	19	99	R_g



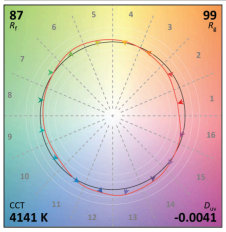
MDWWP Spectral Power Distribution



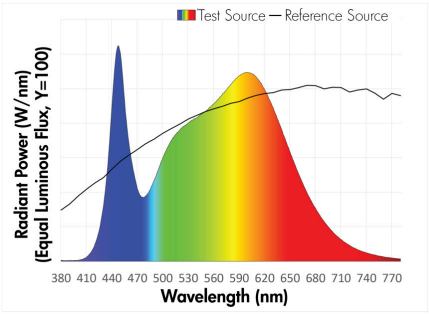
Refer to the TM-30 and Spectral Power Distribution Guide on the website for information on other color temperatures.

TM-30 - MDWH

CCT	CIE		TM-30	
MDWH Full Output	R_a	88	87	R_f
	R_9	33	99	R_g

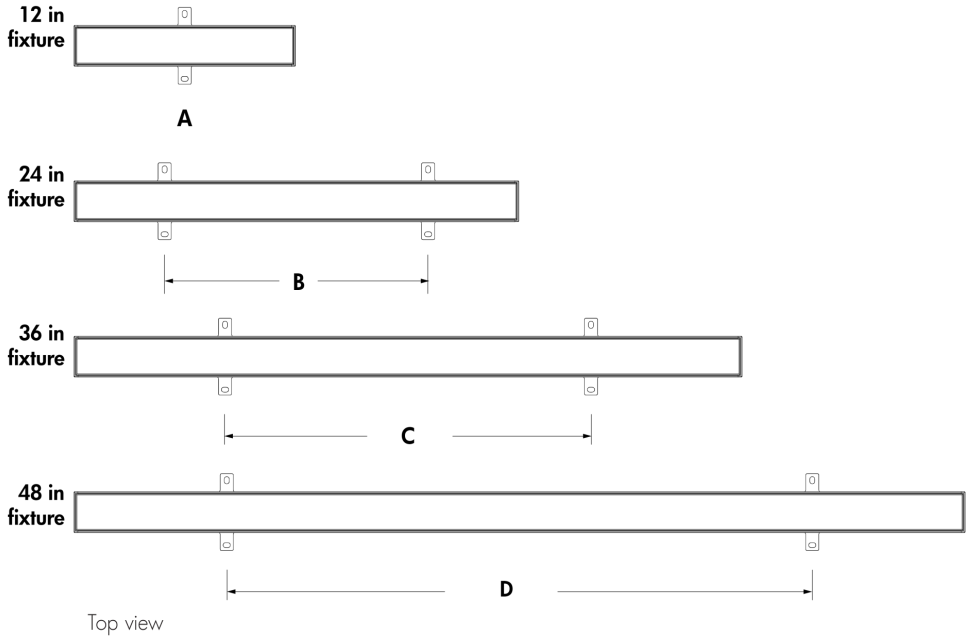


MDWH Spectral Power Distribution



Refer to the TM-30 and Spectral Power Distribution Guide on the website for information on other color temperatures.

Mounting Bracket Placement (Minimum and Maximum Distances)



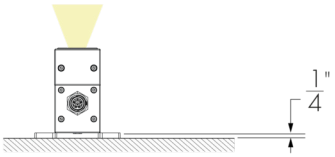
A - Bracket in the center of the fixture
B - Minimum 14 in to maximum 17 in
C - Minimum 20 1/2 in to maximum 23 1/2 in
D - Minimum 30 1/2 in to maximum 33 1/2 in

FX mounting brackets shown.

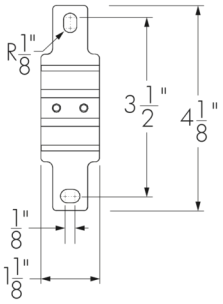
The mounting bracket(s) must be centered on fixture and as symmetrical as possible. Distances must be respected for all installations.

Mounting Options

FX - Fixed Mounting



FX - Mounting Hole Pattern

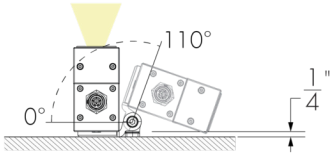


One mounting bracket provided for 12 in fixtures. Two mounting brackets provided for 24 in, 36 in and 48 in fixtures.

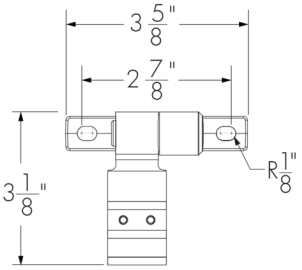
Weight of one FX Mounting Bracket: 0.11 lbs. Weight of two FX Mounting Brackets: 0.22 lbs.

For proper hardware selection, use the dimensions of the mounting option, the weight and EPA values of the mounting option, and the weight and EPA values of the fixture and accessories for your engineering calculations.

SM - Slim Adjustable Mounting



SM - Mounting Hole Pattern



Not suitable when fixture is exposed to wind.

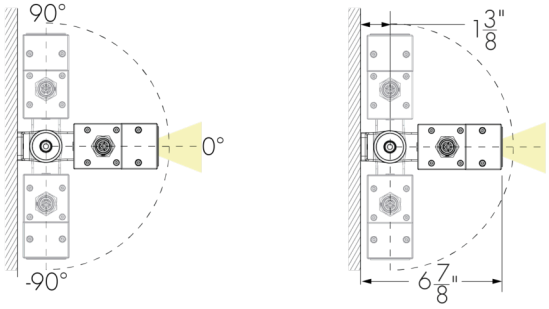
One mounting bracket provided for 12 in fixtures. Two mounting brackets provided for 24 in, 36 in and 48 in fixtures.

Weight of one SM Mounting Bracket: 0.26 lbs. Weight of two SM Mounting Brackets: 0.53 lbs.

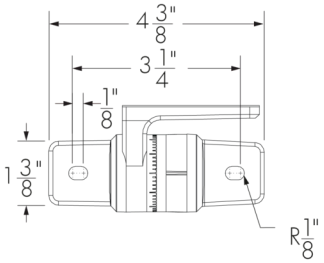
Not suitable for pole-mounted or bridge and overpass applications.

For proper hardware selection, use the dimensions of the mounting option, the weight and EPA values of the mounting option, and the weight and EPA values of the fixture and accessories for your engineering calculations.

WMC1 - Wall Mounting Continuously Adjustable, 1.5 in to Optical Center
WMi1 - Wall Mounting Incrementally Adjustable By 6˚, 1.5 in to Optical Center

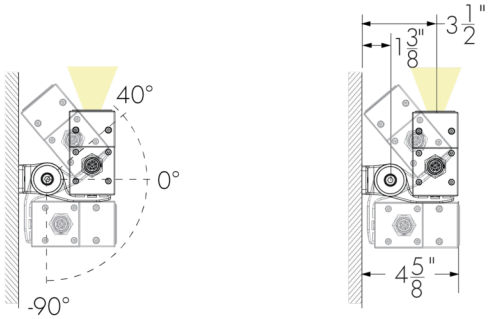


WMC1 WMi1 - Mounting Hole Pattern

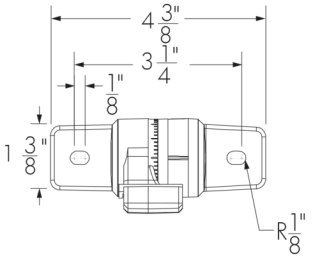


Weight of one WMC1/WMi1 Mounting Bracket: 0.62 lbs.
Weight of two WMC1/WMi1 Mounting Brackets: 1.23 lbs.

WMC3 - Wall Mounting Continuously Adjustable, 3.5 in to Optical Center
WMi3 - Wall Mounting Incrementally Adjustable by 6˚, 3.5 in to Optical Center



WMC3 WMi3 - Mounting Hole Pattern

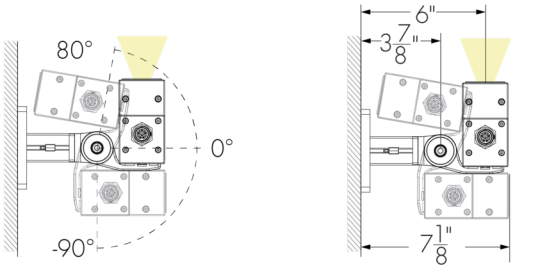


Weight of one WMC3/WMi3 Mounting Bracket: 0.62 lbs.
Weight of two WMC3/WMi3 Mounting Brackets: 1.23 lbs.

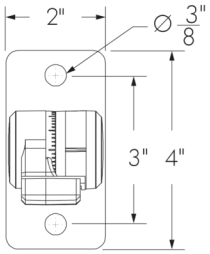
One mounting bracket provided for 12 in fixtures. Two mounting brackets provided for 24 in, 36 in and 48 in fixtures.

For proper hardware selection, use the dimensions of the mounting option, the weight and EPA values of the mounting option, and the weight and EPA values of the fixture and accessories for your engineering calculations.

WMC6 - Wall Mounting Continuously Adjustable, 6 in to Optical Center
WMi6 - Wall Mounting Incrementally Adjustable by 6˚, 6 in to Optical Center

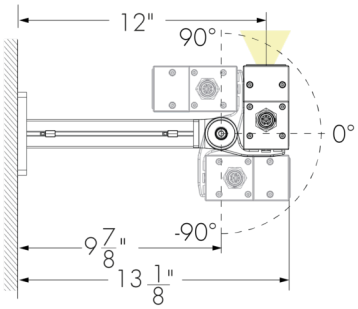


WMC6 WMi6 - Mounting Hole Pattern

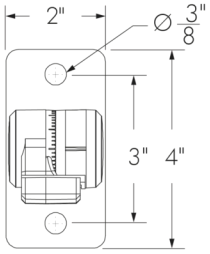


Weight of one WMC6/WMi6 Mounting Bracket: 1.21 lbs.
Weight of two WMC6/WMi6 Mounting Brackets: 2.43 lbs.

WMC12 - Wall Mounting Continuously Adjustable, 12 in to Optical Center
WMi12 - Wall Mounting Incrementally Adjustable by 6˚, 12 in to Optical Center

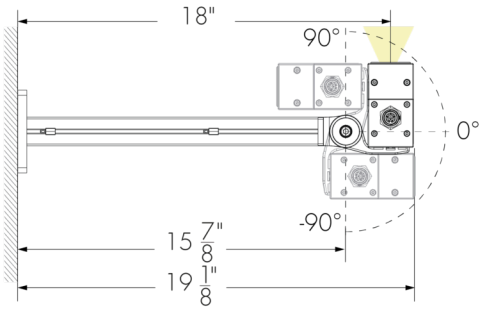


WMC12 WMi12 - Mounting Hole Pattern

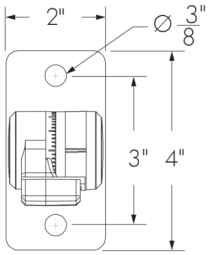


Weight of one WMC12/WMi12 Mounting Bracket: 1.72 lbs.
Weight of two WMC12/WMi12 Mounting Brackets: 3.44 lbs.

WMC18 - Wall Mounting Continuously Adjustable, 18 in to Optical Center
WMi18 - Wall Mounting Incrementally Adjustable by 6˚, 18 in to Optical Center



WMC18 WMi18 - Mounting Hole Pattern

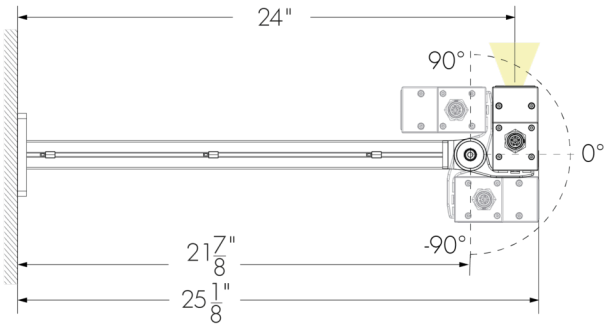


Weight of one WMC18/WMi18 Mounting Bracket: 2.31 lbs.
Weight of two WMC18/WMi18 Mounting Brackets: 4.63 lbs.

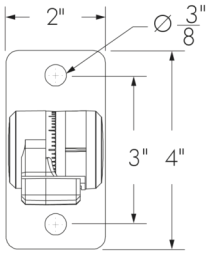
One mounting bracket provided for 12 in fixtures. Two mounting brackets provided for 24 in, 36 in and 48 in fixtures.

For proper hardware selection, use the dimensions of the mounting option, the weight and EPA values of the mounting option, and the weight and EPA values of the fixture and accessories for your engineering calculations.

WMC24 - Wall Mounting Continuously Adjustable, 24 in to Optical Center
WMi24 - Wall Mounting Incrementally Adjustable by 6˚, 24 in to Optical Center



WMC24 WMi24 - Mounting Hole Pattern

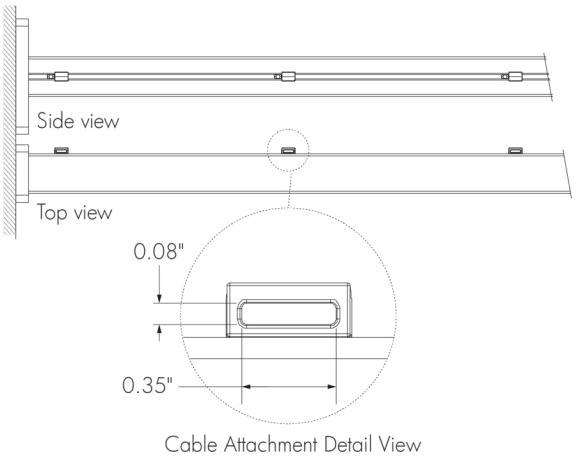


Weight of one WMC24/WMi24 Mounting Bracket: 2.87 lbs.
Weight of two WMC24/WMi124 Mounting Brackets: 5.73 lbs.

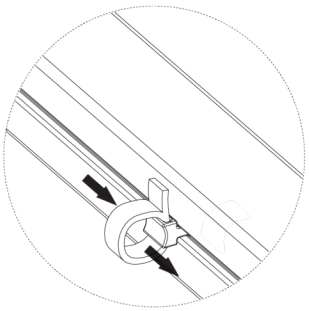
One mounting bracket provided for 12 in fixtures. Two mounting brackets provided for 24 in, 36 in and 48 in fixtures.

For proper hardware selection, use the dimensions of the mounting option, the weight and EPA values of the mounting option, and the weight and EPA values of the fixture and accessories for your engineering calculations.

Cable Management System for Wall Mounting Brackets



Cable Attachment Detail View

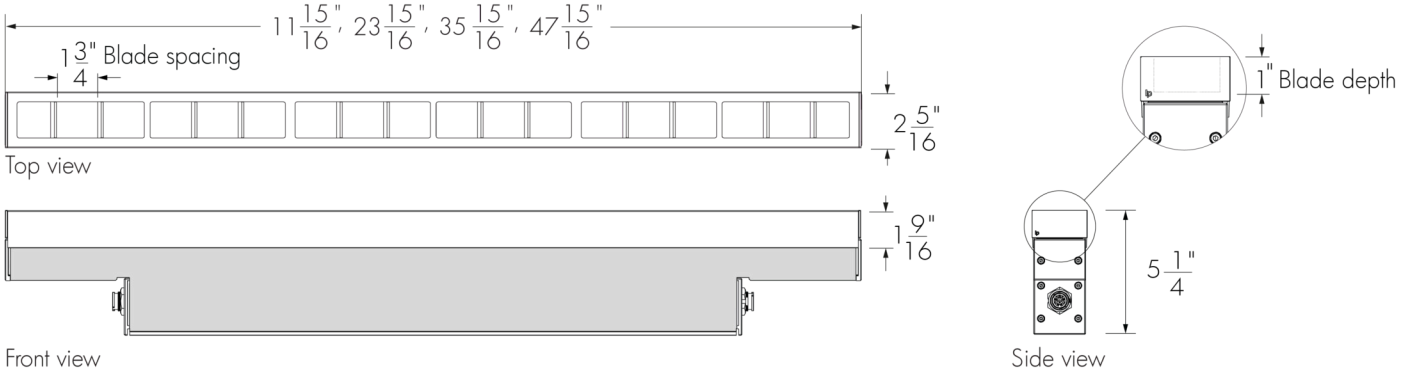

Cable tie as installed

1 cable attachment provided for WMC6 and WMi6 mounting arms.
2 cable attachments provided for WMC12, WMi12, WMC18 and WMi18 mounting arms.
3 cable attachments provided for WMC24 and WMi24 mounting arms.

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

Accessories

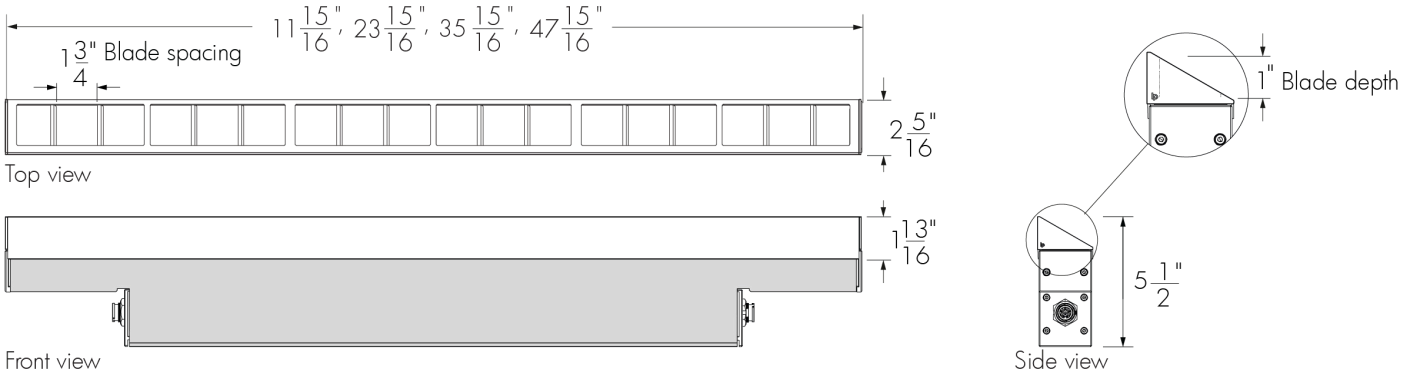
LV - Radial Louver



- A Radial Louver will affect beam distribution. Consult factory for application support.
- The Radial Louver is field installable. The Radial 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 painted matte black).
- Not suitable for NAS, CAS and WW optics.
- Consult EPA Guide in the specification sheet for engineering calculations.

Weight of 12 in accessory: 0.65 lbs, and 24 in accessory: 1.25 lbs, weight of 36 in accessory: 1.75 lbs, weight of 48 in accessory: 2.3 lbs.
Note: the weight of the accessory is in addition to the weight of the fixture.

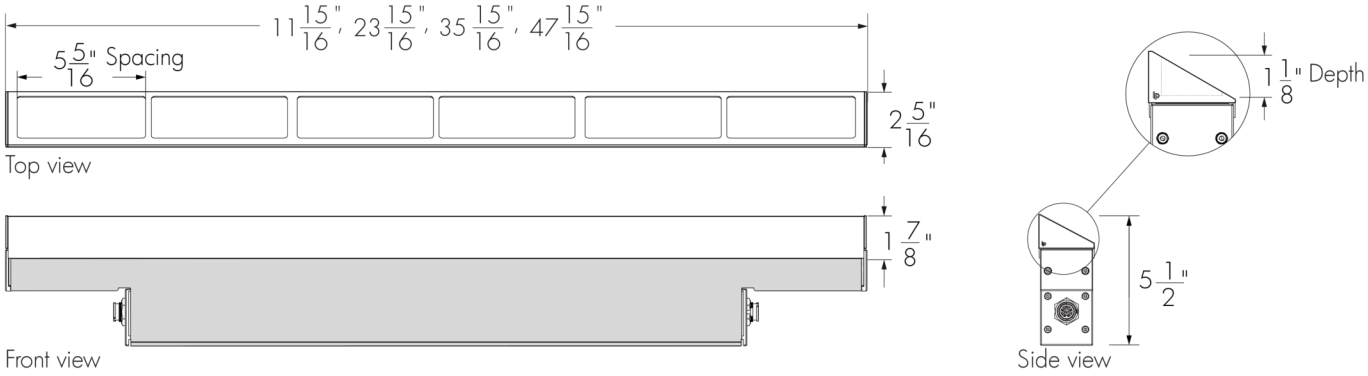
LVAS - Radial Louver Asymmetric



- A Radial Louver Asymmetric will affect beam distribution. Consult factory for application support.
- The Radial Louver Asymmetric is field installable. The Radial Louver Asymmetric 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 painted matte black).
- Consult EPA Guide in the specification sheet for engineering calculations.

Weight of 12 in accessory: 0.5 lbs, weight of 24 in accessory: 1 lbs, weight of 36 in accessory: 1.3 lbs, weight of 48 in accessory: 1.7 lbs.
Note: the weight of the accessory is in addition to the weight of the fixture.

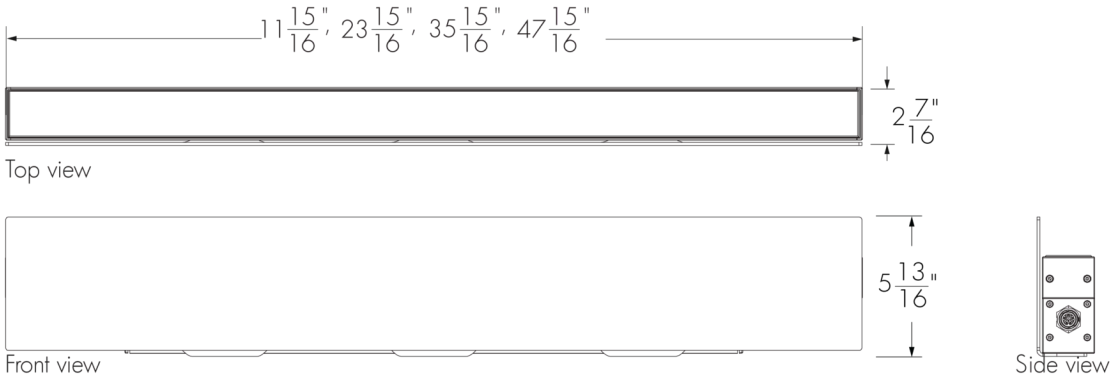
VS - Visor



- 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. The inside of the accessory will be painted matte black, except for the inside portion of the Visor end caps, which will match the finish specified in the fixture order code.
- Consult EPA Guide in the specification sheet for engineering calculations.

Weight of 12 in accessory: 0.4 lbs, weight of 24 in accessory: 0.8 lbs, weight of 36 in accessory: 1.2 lbs, weight of 48 in accessory: 1.5 lbs.
Note: the weight of the accessory is in addition to the weight of the fixture.

SH - Shield



- A Shield will affect beam distribution. Consult factory for application support.
- The Shield is field installable. The Shield can be combined with the Louver, Louver Asymmetric or Visor accessories.
- No vibration rating available. The Shield can be installed in zones with wind speeds up to 120 mph. Consult factory for zones with wind speeds higher than 120 mph.
- The exterior finish of the accessory will match the finish specified in the fixture order code (interior surface painted matte black).
- Consult EPA Guide in the specification sheet for engineering calculations.

Weight of 12 in accessory: 2.5 lbs, weight of 24 in accessory: 4.75 lbs, weight of 36 in accessory: 7.25 lbs, weight of 48 in accessory: 9.5 lbs.
Note: the weight of the accessory is in addition to the weight of the fixture.

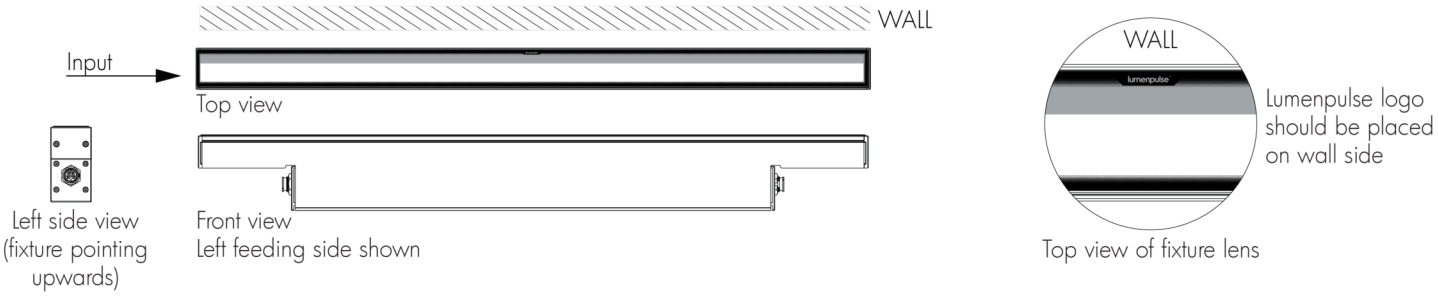
Lens and Optics Combinations Table

Lens/Optics	10x10	10x30	10x60	10x90	30x30	30x60	30x90	60x60	90x90	30x10	60x10	60x30	90x10	W	NAS	WW	CAS
CL Clear Lens	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	⊗	✔
HFR Half-Frosted Lens	✔	✔	✔	✔	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	✔	✔	⊗
FR Frosted Lens	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔

✔ Lens option
⊗ Not available

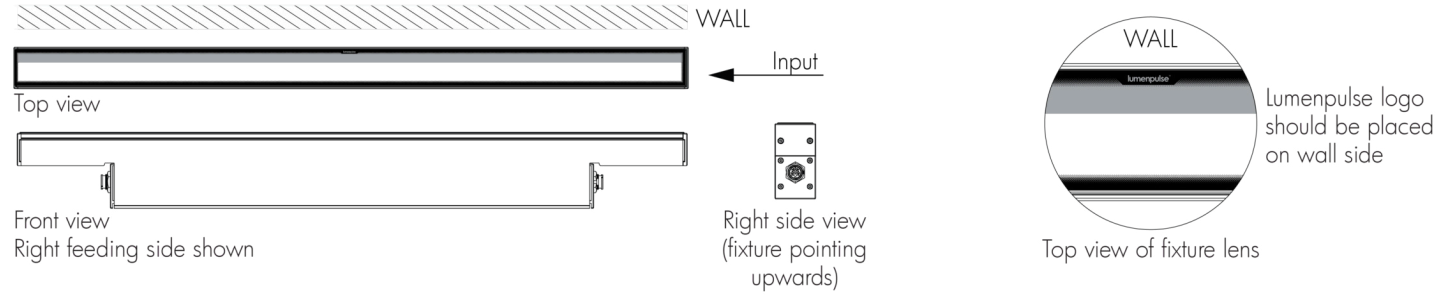
Half-Frosted Lens Details

Left Feeding Side



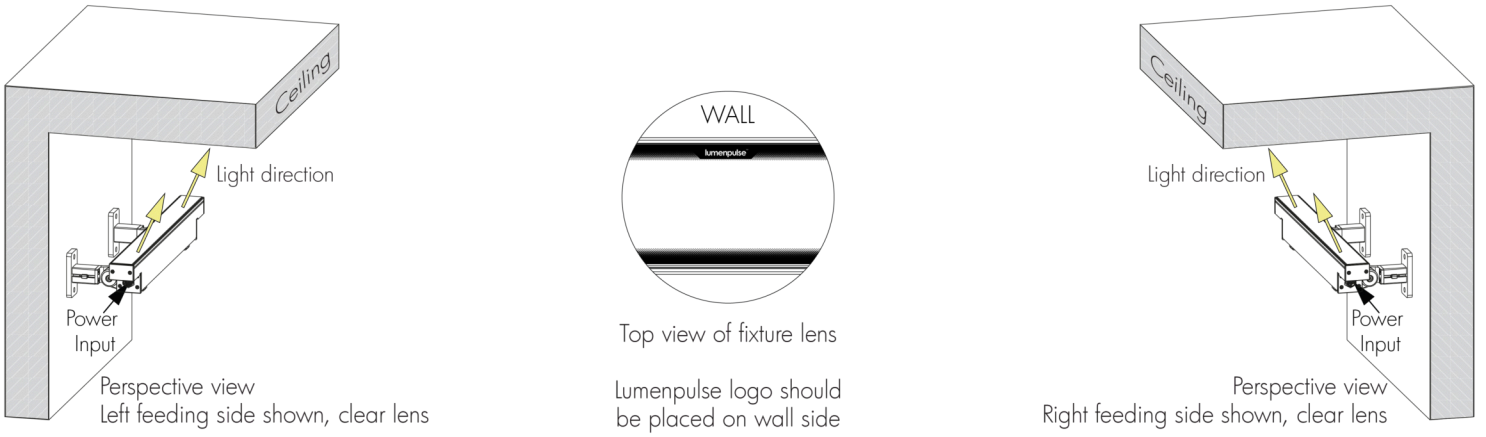
- Position frosted side of the lens and Lumenpulse logo along the wall.
- Fixture's feeding side is based on uplight installations. Feeding sides are reversed when fixture is used in a downlight application.

Right Feeding Side



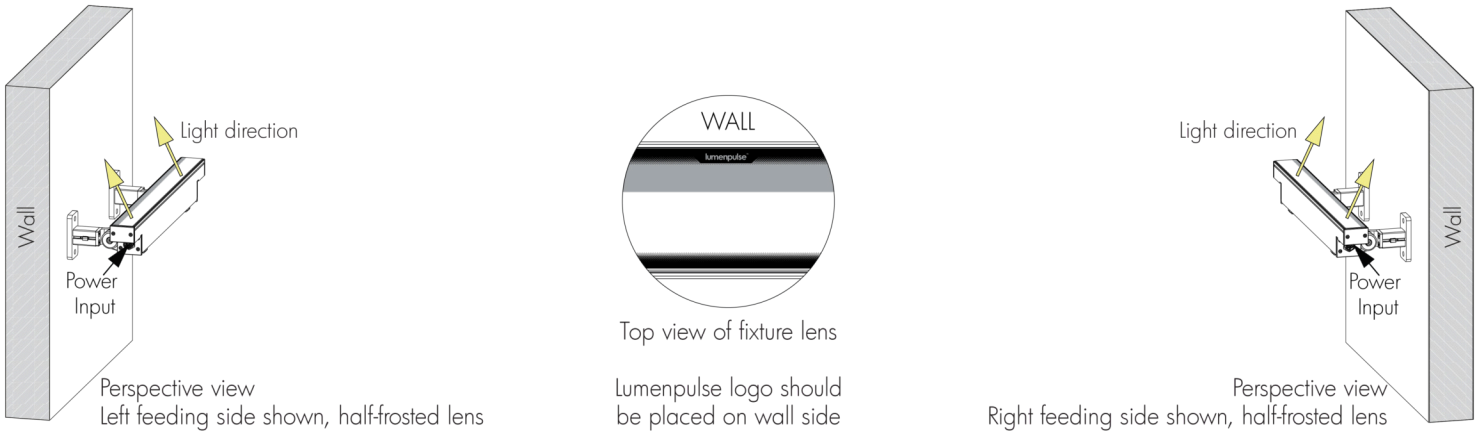
- Position frosted side of the lens and Lumenpulse logo along the wall.
- Fixture's feeding side is based on uplight installations. Feeding sides are reversed when fixture is used in a downlight application.

Ceiling Asymmetric Optic Details



- Always position Lumenpulse logo on lens along the wall.
- Fixture's feeding side is based on uplight installations. Feeding sides are reversed when fixture is used in a downlight application.
- **Ceiling Asymmetric optic guidelines:** 18 in minimum setback, 1:5 setback/canopy depth ratio (based on CL lens).

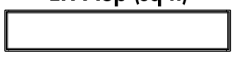
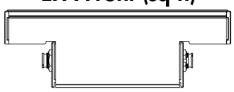
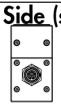
Narrow Asymmetric and Asymmetric Wallwash Optics Details



- Position frosted side of the lens and Lumenpulse logo along the wall.
- Fixture's feeding side is based on uplight installations. Feeding sides are reversed when fixture is used in a downlight application.
- **Narrow Asymmetric optic guidelines:** 12 in minimum setback,1:10 setback ratio (based on HFR lens).
- **Asymmetic Wallwash optic guidelines:** 6 in minimum setback,1:8 setback ratio (based on HFR lens).

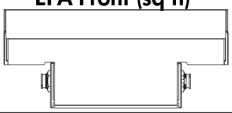
EPA Guide - Fixture

Fixture

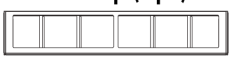
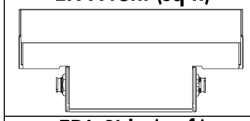
	12 in	24 in	36 in	48 in
EPA Top (sq ft) 	0.237	0.476	0.715	0.954
EPA Front (sq ft) 	0.339	0.784	1.124	1.569
EPA Side (sq ft) 	0.082	0.082	0.082	0.082

EPA Guide - Fixture with Accessory

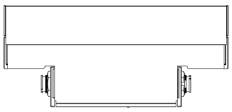
Fixture With Radial Louver Accessory

	12 in	24 in	36 in	48 in
EPA Top (sq ft) 	0.237	0.476	0.715	0.954
EPA Front (sq ft) 	0.464	1.036	1.503	2.075
EPA Side (sq ft) 	0.100	0.100	0.100	0.100

Fixture With Radial Louver Asymmetric Accessory

	12 in	24 in	36 in	48 in
EPA Top (sq ft) 	0.237	0.476	0.715	0.954
EPA Front (sq ft) 	0.476	1.060	1.539	2.123
EPA Side (sq ft) 	0.092	0.092	0.092	0.092

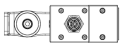
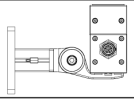
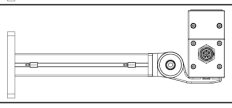
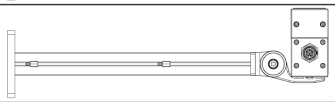
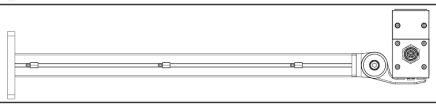
Fixture With Visor Accessory

	12 in	24 in	36 in	48 in
EPA Top (sq ft) 	0.237	0.476	0.715	0.954
EPA Front (sq ft) 	0.476	1.060	1.539	2.123
EPA Side (sq ft) 	0.092	0.092	0.092	0.092

Fixture With Shield Accessory

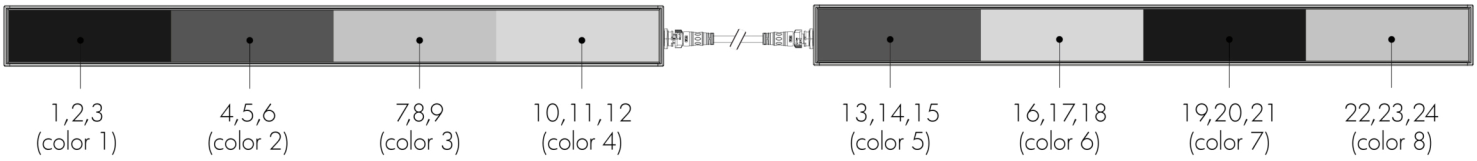
	12 in	24 in	36 in	48 in
EPA Top (sq ft) 	0.237	0.476	0.715	0.954
EPA Front (sq ft) 	0.926	1.859	2.791	3.723
EPA Side (sq ft) 	0.082	0.082	0.082	0.082

EPA Guide - Mounting Option

	EPA Top/Side (sq ft)	
FX	N/A	
SM	0.01	
WMC1 **WMi1**	0.05	
WMC3 **WMi3**	0.04	
WMC6 **WMi6**	0.06	
WMC12 **WMi12**	0.14	
WMC18 **WMi18**	0.21	
WMC24 **WMi24**	0.29	

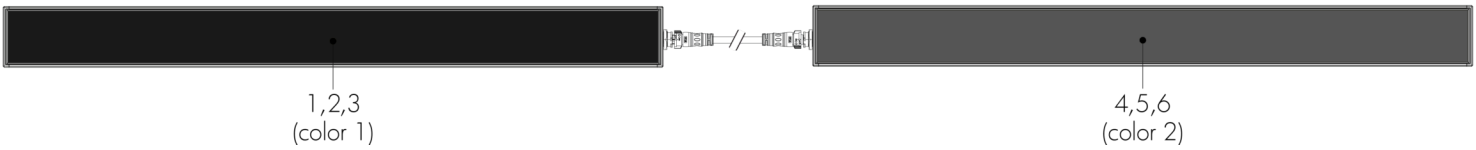
Resolution Details

DMX/RDM Control, Resolution Per Foot: Each 12 in Section is Addressed Independently
DMX Addresses:



DMX/RDM control option

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



DMX/RDM control option

- 48 in fixtures shown.
- Applicable for DMX/RDM control option only. Fixture resolution can be configured on-site within the LumenID V3 software. A DMX/RDM enabled CBX is required.

Wiring Color Code

DIM, DALI T8 and LT Control (XC3P2D)

UL Color Code	Use
Green	Ground
Black	Line
White	Neutral
Purple	0-10V + / Data +
Orange	0-10V - / Data -

DMX/RDM and ExtendX Controls (XC3P3D)

UL Color Code	Use
Green	Ground
Black	Line
White	Neutral
Red	Data +
Orange	Data -
Gray	Signal Common

Maximum Fixture Run Length Table

DMX/RDM Control (DMX/RDM)

Lumenfacade Max 6W/ft

Voltage	Resolution	120V	220V	240V	277V
Maximum Fixture Run Length	Per Foot	160ft	170ft	170ft	170ft

Lumenfacade Max 10W/ft

Voltage	Resolution	120V	220V	240V	277V
Maximum Fixture Run Length	Per Foot	120ft	170ft	170ft	170ft

Lumenfacade Max 22W/ft

Voltage	Resolution	120V	220V	240V	277V
Maximum Fixture Run Length	Per Foot	64ft	124ft	132ft	156ft

Based on 48 in fixtures, per foot resolution, DMX/RDM control, 10 ft Leader Cable for an end-to-end run with 1 ft Jumper Cables between fixtures. Refer to Typical Wiring Diagrams for Control Protocol specific run length rules.

ExtendX Control (ETX)

Lumenfacade Max 6W/ft

Voltage	**Resolution**	**120V**	**220V**	**240V**	**277V**
Maximum Fixture Run Length	Per Foot	184ft	424ft	464ft	512ft

Lumenfacade Max 10W/ft

Voltage	**Resolution**	**120V**	**220V**	**240V**	**277V**
Maximum Fixture Run Length	Per Foot	144ft	264ft	288ft	336ft

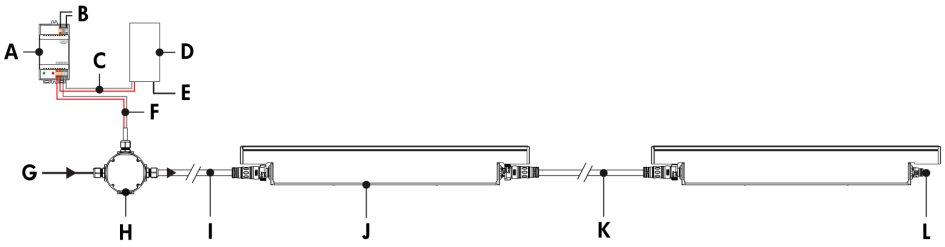
Lumenfacade Max 22W/ft

Voltage	**Resolution**	**120V**	**220V**	**240V**	**277V**
Maximum Fixture Run Length	Per Foot	68ft	124ft	136ft	156ft

Based on 48 in fixtures, per foot resolution, ETX control, 10 ft Leader Cable for an end-to-end run with 1 ft Jumper Cables between fixtures. Refer to Typical Wiring Diagrams for Control Protocol specific run length rules.

Typical Wiring Diagrams

DALI 2 T8 (DALIT8)

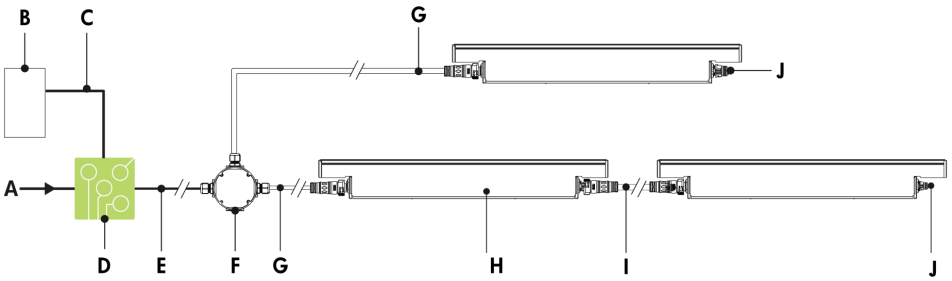


A - DALI bus power supply (by others)
B - Power input for DALI bus power supply (wiring by others)
C - Data output to DALI controller (wiring by others)
D - DALI controller (by others)
E - Power input for DALI controller (if required, wiring by others)
F - Data output to fixture (wiring by others)
G - Power input (120 to 277V, wiring by others)
H - Junction box (by others)
I - Leader Cable (LFLC XC3P2D)
J - Lumenfacade Max Continuous Run (LFM-CR)
K - Jumper Cable (LFJC XC3P2D)
L - Sealing End Cap

Refer to installation instructions for additional wiring details and wiring diagram with Lumenfacade T-Junction accessory.

- 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 1% minimum dimming value.

Lumentalk (LT)

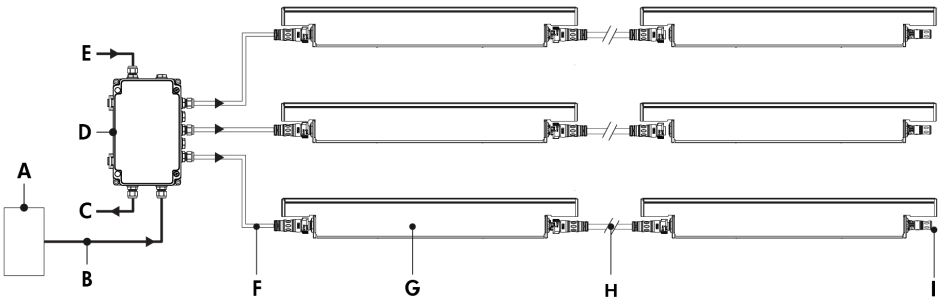


A - Power input (120 to 277V, wiring by others)
B - DMX/RDM controller (order separately from Lumenpulse, or by others)
C - Data wiring (by others)
D - Lumentranslator 2 (LTL2-DMX)
E - Power wiring (by others)
F - Junction box (by others)
G - Leader cable (LFLC XC3P2D)
H - Lumenfacade Max Continuous Run LFM-CR
I - Jumper cable (LFJC XC3P2D)
J - Sealing End Cap

Refer to installation instructions for additional wiring details and wiring diagram with Lumenfacade T-Junction accessory.

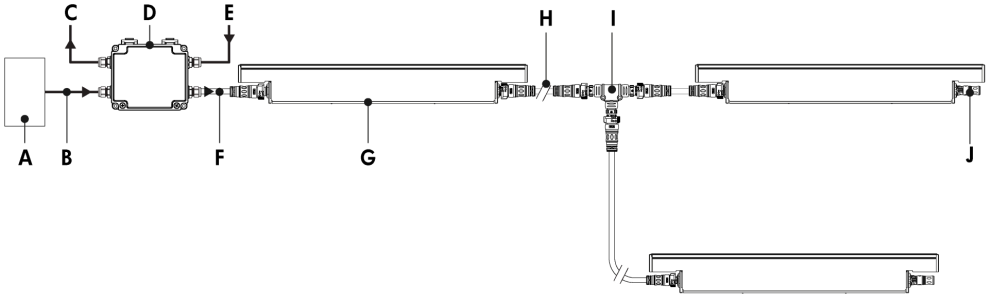
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- For DMX applications: 1 DMX controller per Lumentalk network, maximum of 48 DMX channels per Lumentalk network (minimum step transition update rate is 1 second, minimum fade time between two colors is 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.

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 (LFLC XC3P3D)
G - Lumenfacade Max Continuous Run (LFM-CR)
H - Jumper Cable (LFJC XC3P3D)
I - DMX/RDM Terminator

Daisy Chain Layout (DMX/RDM)

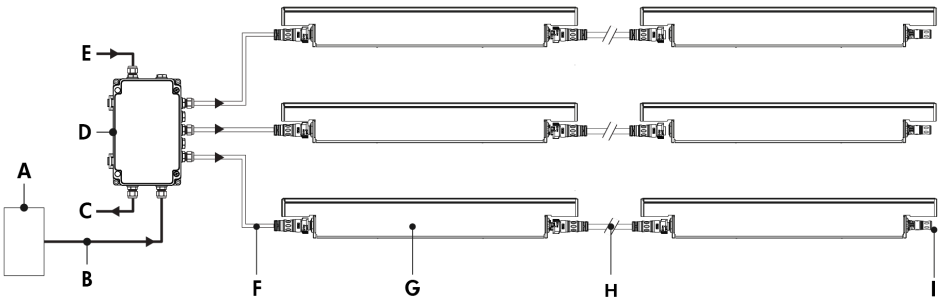


A - Third-party DMX/RDM controller
B - Data input (Belden 9841 or equivalent, by others)
C - Data output to next CBX (optional, not isolated/not boosted)
D - CBX-DS
E - Power input (120 to 277V, wiring by others)
F - Leader Cable (LFLC XC3P3D)
G - Lumenfacade Max Continuous Run (LFM-CR)
H - Jumper Cable (LFJC XC3P3D)
I - Lumenfacade T-Junction (LFTJ XC3P3D, optional)
J - DMX/RDM Terminator

Refer to installation instructions for additional wiring details.

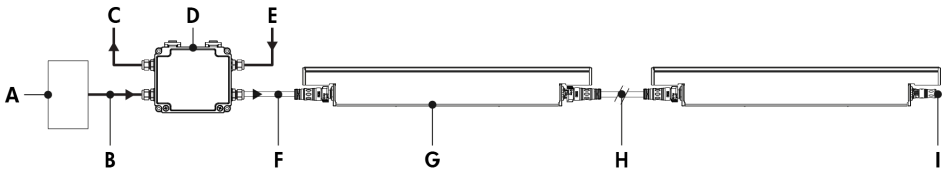
- Consult CBX installation instructions for additional wiring details.
- 50 ft maximum DMX/RDM "Stub" length.
- Maximum of 1 fixture per "Stub".
- 1 DMX universe = 170 @ 3-channel controllable segments.
- Maximum of 4 DMX/RDM repeaters/CBX cascading in line.
- Maximum of 6 outputs per CBX-ST; maximum of 1 output per CBX-DS.
- Maximum of 64 DMX/RDM enabled fixtures per CBX output.
- Maximum DMX/RDM cable length of 800 ft ("Bus" and "Stubs").

Star Layout (ExtendX)



A - Third-party sACN/ArtNet controller
B - Data input (Cat5e or better, by others)
C - Optional Ethernet connection to next CBX
D - CBX-ST-ETX
E - Power input (120 to 277V, wiring by others)
F - Leader Cable (LFLC XC3P3D)
G - Lumenfacade Max Continuous Run (LFM-CR)
H - Jumper Cable (LFJC XC3P3D)
I - DMX/RDM Terminator

Daisy Chain Layout (ExtendX)



A - Third-party sACN/ArtNet controller
B - Data input (Cat5e or better, by others)
C - Optional Ethernet connection to next CBX
D - CBX-DS-ETX
E - Power input (120 to 277V, wiring by others)
F - Leader Cable (LFLC XC3P3D)
G - Lumenfacade Max Continuous Run (LFM-CR)
H - Jumper Cable (LFJC XC3P3D)
I - DMX/RDM Terminator

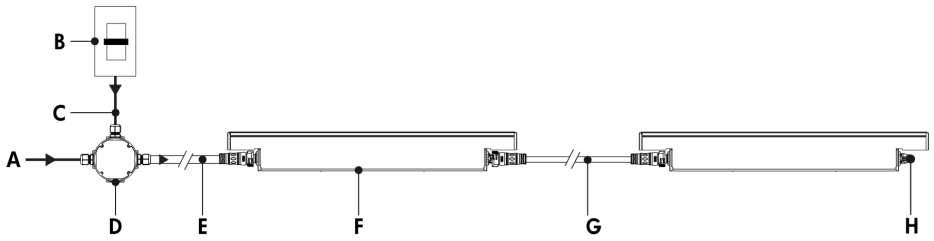
Refer to installation instructions for additional wiring details.

Maximum of 4 outputs per CBX-ST ENET; maximum of 1 output per CBX-DS ENET.

Consult CBX installation instructions for additional wiring details.

Lumenfacade T-Junction accessory is not compatible with ExtendX Control.

Dim to Warm Via 0-10V (DIM/DTW)



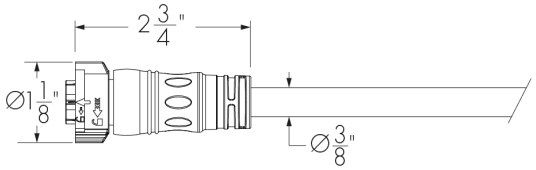
A - Power input (120 to 277V, wiring by others)
B - Third-party dimmer
C - Data wiring (by others)
D - Junction box (by others)
E - Leader Cable (LFLC XC3P2D)
F - Lumenfacade Max Continuous Run (LFM-CR)
G - Jumper Cable (LFJC XC3P2D)
H - Sealing End Cap

Refer to installation instructions for additional wiring details and wiring diagram with Lumenfacade T-Junction accessory.

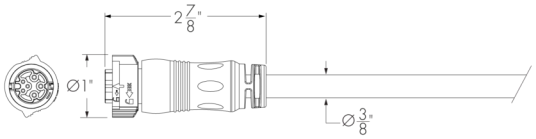
- 0-10V mA ratings: passive dimmer (Current Sink): 3mA per fixture, active dimmer (Current Source): 0.5mA per fixture.
- Less than 1% minimum dimming value.

Leader Cable (Order Separately)

LFLC - Lumenfacade Leader Cable (XC3P2D)



LFLC - Lumenfacade Leader Cable (XC3P3D)



UL version shown. Consult European specification sheet for CE cable details.

LFLC**-TYPE-CERTIFICATION-VOLTAGE-LENGTH-CONNECTOR/CABLE TYPE-CONNECTOR SHAPE-CABLE/CONNECTOR COLOR**

Please specify:
DALIT8, LT, DIM applications:
TYPE: CR/CH (Continuous Run or Continuous Horizontal); **CERTIFICATION**: UL or CE; **VOLTAGE:** 120_277; **LENGTH**: 10 ft, 25 ft, 50 ft, 100 ft, 150 ft or 200 ft; **CONNECTOR/CABLE TYPE:** XC3P2D (5x 16AWG X-lock size); **CONNECTOR SHAPE:** 180D (Straight Connector); **CABLE/CONNECTOR COLOR**: BK (Black) or WH (White) (connectors are the same color as the specified cable color).

A waterproof sealing end cap is mandatory for any unused connector. One (1) included with every CR/CH XC3P2D Leader Cable.

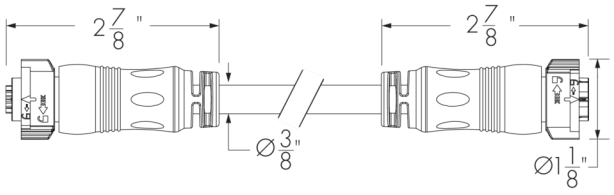
DMX/RDM applications:
TYPE: CR/CH (Continuous Run or Continuous Horizontal); **CERTIFICATION**: UL or CE; **VOLTAGE:** 120_277; **LENGTH**: 10 ft, 25 ft, 50 ft, 100 ft, 150 ft or 200 ft; **CONNECTOR/CABLE TYPE:** XC3P3D (3x14AWG + 3x24AWG X-lock C-size); **CONNECTOR SHAPE:** 180D (Straight Connector) or 90D (90° Angle Connector); **CABLE/CONNECTOR COLOR**: BK (Black) or WH (White) (connectors are the same color as the specified cable color).

A DMX/RDM terminator is mandatory at the end of a fixture run. One (1) included with every CR/CH XC3P3D Leader Cable.

- Consult Lumenfacade Leader cable specification sheet for all available cable lengths and additional information.

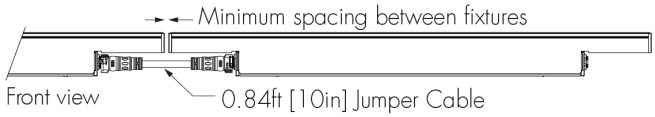
Jumper Cable (Order Separately)

LFJC - Lumenfacade Jumper Cable (XC3P2D)

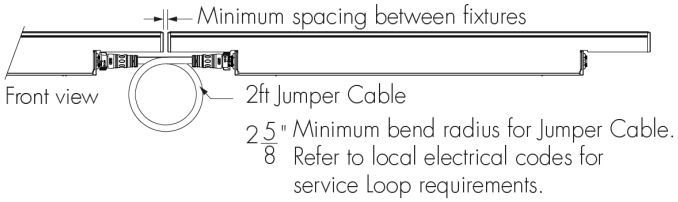


UL version shown. Consult European specification sheet for CE cable details.

Installation with No Cable Loop



Installation with Cable Loop



Straight Cable/No Cable Loop (0.84 ft Jumper Cable) Minimum Spacing Between Fixtures

Fixture B Length \ Fixture A Length	12 in	24 in	36 in	48 in
12 in	5.3in Fixture Gap		2.75in Fixture Gap	
24 in				
36 in	2.75in Fixture Gap		**End-to-End*** 0.375in Fixture Gap	
48 in				

Cable Loop (2 ft Jumper Cable) Minimum Spacing Between Fixtures

Fixture B Length \ Fixture A Length	12 in	24 in	36 in	48 in
12 in	2.75in Fixture Gap		**End-to-End*** 0.375in Fixture Gap	
24 in				
36 in	**End-to-End*** 0.375in Fixture Gap		**End-to-End*** 0.375in Fixture Gap	
48 in				

***** When using 36 in and 48 in fixtures in End-to-End applications, fixtures must be spaced exactly 0.375 in apart to ensure proper connection.
Due to fixture construction and the lack of adjustment in the Jumper Cable, failure to comply with this spacing will result in a non-suitable jumper cable length and a non-continuous run.

***** If using an End-to-End Cable, plan mounting bracket spacing to accommodate 0.375 in spacing between fixtures.

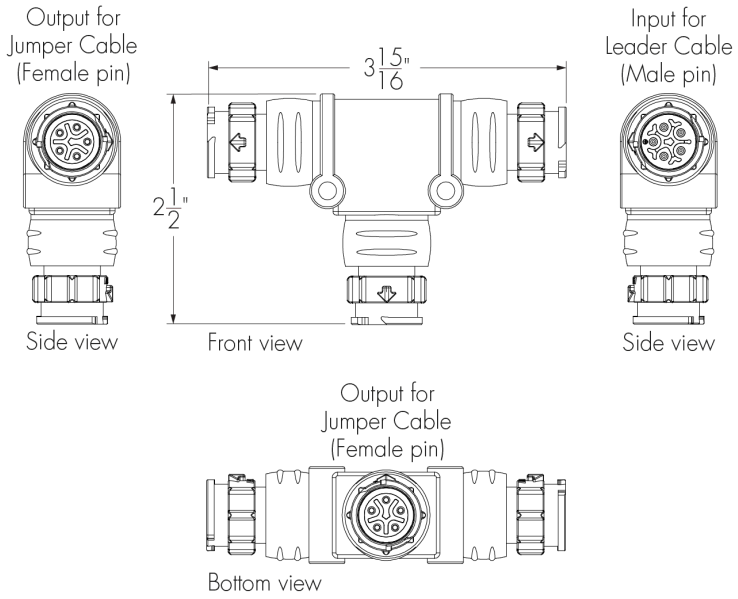
LFJC**-CERTIFICATION-VOLTAGE-LENGTH-CONNECTOR/CABLE TYPE-CONNECTOR SHAPE-CABLE/CONNECTOR COLOR**

Please specify:
CERTIFICATION: UL or CE; **VOLTAGE:** 120_277; **LENGTH**: 0.84 ft, 2 ft, 5 ft, 10 ft, 25 ft or 50 ft; **CONNECTOR/CABLE TYPE:** XC3P2D (5x 16AWG X-lock size) or XC3P3D (3x14AWG + 3x24AWG X-lock C-size); **CONNECTOR SHAPE:** 180D (straight connector); **CABLE/CONNECTOR COLOR**: BK (Black) or WH (White) (connectors are the same color as the specified cable color).

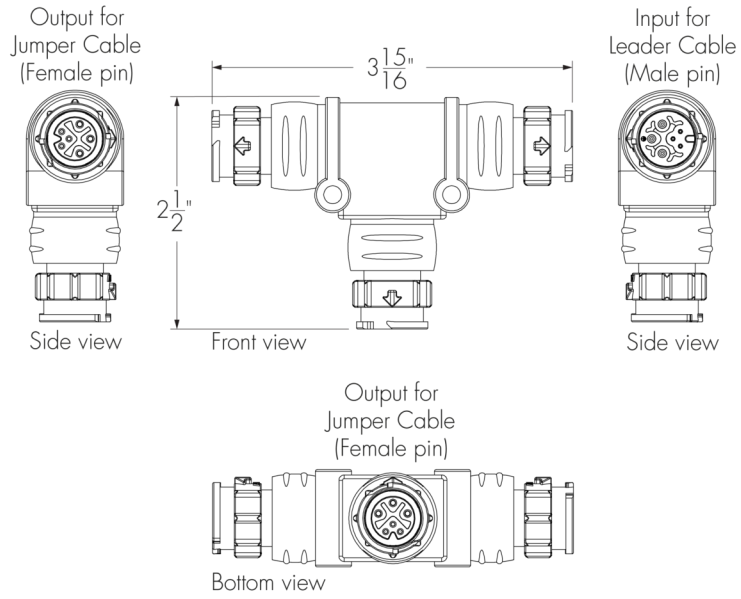
- Suitable for dimming/data and non-dimming applications.
- Consult Lumenfacade Jumper Cable specification sheet for additional information.

T-Junction (Order Separately)

LFTJ - Lumenfacade T-Junction (XC3P2D)
Available For DALIT8, LT and DIM Control Options Only



LFTJ - Lumenfacade T-Junction (XC3P3D)
Available for DMX/RDM Control Option Only



LFTJ**-CONNECTOR/CABLE TYPE-CABLE/CONNECTOR COLOR**

Please specify:
CONNECTOR/CABLE TYPE: XC3P2D (5x 16AWG X-lock size) or XC3P3D (3x 14AWG + 3x24AWG) X-lock size; **CABLE/CONNECTOR COLOR**: BK (Black) or WH (White).

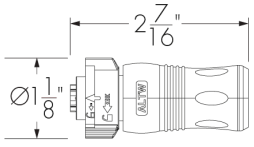
- Suitable for dimming/data and non-dimming applications with LFM fixtures.
- Consult factory for guidelines on the use of T-Junctions in a fixture run.
- Consult Lumenfacade T-Junction specification sheet for additional information.

- The T-Junction accessory can be used to connect a feed input, with a throughput to a localized run of fixtures and an output to the rest of your installation.
- Waterproof sealing end cap is mandatory for any unused connector. One (1) included with every T-Junction accessory.
- For DMX/RDM applications, an installation must not exceed 64 fixtures and 800 ft of cable. Additionally, each stub must not exceed 50 ft.

Lumenfacade T-Junction accessory is not compatible with ExtendX Control.

DMX/RDM Terminator (Included with Leader Cable)

148161 (Black) or 150394 (White) - DMX/RDM Terminator

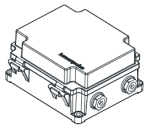
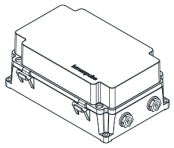


DMX/RDM terminator is mandatory at the end of a fixture run with T-junction for DMX/RDM applications

Please specify:
148161: Black (BK) or **150394:** White (WH)

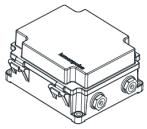
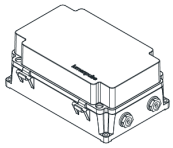
Control Boxes (Order Separately)

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

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

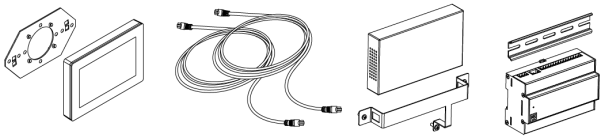
CBX-ENET - Ethernet Enabled (Daisy Chain or Star Configuration)

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

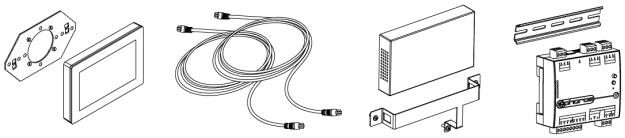
Control Systems (Order Separately)

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.

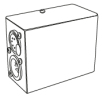
EXPERT - Pharos® Expert Control Kit



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.

How to Order

Housing	Type	Certification	Voltage	Length	Wattage	Color and Color Temperature	Optic	Lens	Feeding Side	Control
LFM Lumenfacade Max	**CR** Continuous Run	**UL** UL Compliant [1] **CE** CE Compliant (Class I) [2] **PSE** PSE Certification [3] [4] [5]	**120_277** 120 Volts to 277 Volts [6] **230** 220 to 240 volts [7] **100_200** 100 to 200 volts (PSE Certification) [8]	**12** 12 in **24** 24 in **36** 36 in **48** 48 in	**6W** 6 W/ft [9] [10] **10W** 10 W/ft **22W** 22 W/ft	**MDWW** 2200K to 3000K, CRI 80, Mutli-Channel Control [11] **MDWWP** 2200K to 3500K, CRI 80, Mutli-Channel Control [11] **MDWH** 2700K to 6500K, CRI 80, Mutli-Channel Control [11] **MDTW** 2700K to 2200K, CRI 80, Dim to Warm, 1 Channel Control [12]	**10x10** 10° x 10° [13] **10x30** 10° x 30° **10x60** 10° x 60° **10x90** 10° x 90° **30x30** 30° x 30° [14] **30x60** 30° x 60° [14] **30x90** 30° x 90° [14] **60x60** 60° x 60° [14] **90x90** 90° x 90° [14] **30x10** 30° x 10° [14] **60x10** 60° x 10° [14] **60x30** 60° x 30° [14] **90x10** 90° x 10° [14] **W** Wide 120° [14] **NAS** Narrow Asymmetric **WW** Asymmetric Wallwash [15] **CAS** Ceiling Asymmetric [14]	**CL** Clear Lens [16] **HFR** Half-Frosted Lens [17] **FR** Frosted Lens [18]	**NF** No Feed Information Required **LF** Left Feeding Side **RF** Right Feeding Side	**DALI2T8** DALI 2 T8 Enabled Dimming 0.1% [19] **LT** Lumentalk [20] [21] **DMX/RDM** DMX/RDM Enabled Dimming [21] [22] **DIM** 0-10V Dimming [21] [23] **ETX** ExtendX™ [21] [24] [25]

Notes:

1. Available for 120_277 voltage option only.
2. Available for 230 voltage option only.
3. Available for the Japanese market only.
4. Available for 100_200V voltage option only.
5. Consult your local Sales Representative for PSE certification.
6. Available for UL certification only.
7. Available for CE certification only.
8. Available for PSE Certification only.
9. Consult factory for applications with 12 in fixtures.
10. Consult factory for applications with PSE Certification.
11. Available with DALIT8, LT and DMX/RDM control options.
12. Available with LT, DMX/RDM and DIM control options.
13. For best results use a miminum 6 in setback from surface. Contact factory for application support.
14. Can be combined with a CL or FR lens only.
15. Can be combined with a HFR or FR lens only.
16. When CL lens is combined with NAS or CAS optic, LF or RF feeding side must be specified.
17. When HFR lens is specified, LF or RF feeding side must be specified.
18. When FR lens is combined with WW, NAS or CAS optic, LF or RF feeding side must be specified.
19. DALI 2 T8 controller required, provided by others. DALI 2 T8 control uses a single DALI short address.
20. A Lumentranslator 2 (LTL2) and LumenID (LID) must be specified for Lumentalk applications. Consult Lumentranslator 2 and Lumentalk pages and specification sheets for details.
21. Minimum dimming value is less than 1%.
22. A Control Box (CBX) and LumenID (LID) must be specified.
23. Available for MDTW color temperature option only.
24. An Ethernet CBX is required. Refer to the ETX configuration in the Ethernet CBX Specification Sheet for details.
25. ETX Control Option is not compatible with LFTJ T-Junction Accessory.

How to Order

Vibration Rating [26]	**Mounting Options** [31]	**Environment**	**Finish**	**Accessories** [42] [43]	**Buy America.n Act**
NVR Buildings and Fixed Structures [27] **VRN** Pole-Mounts [28] [29] **VRBO** Bridges and Overpasses [30]	**SM** Slim Adjustable Mounting Continuously Adjustable (110˚ Pivot Limit) [32] [33] **FX** Fixed Mounting (0˚ Pivot Limit) [34] **WMC1** Wall Mounting Continuously Adjustable, 1.5 in to Optical Center (180˚ Pivot Limit) [33] [35] **WMi1** Wall Mounting Incrementally Adjustable by 6˚, 1.5 in to Optical Center (180˚ Pivot Limit) [34] **WMC3** Wall Mounting Continuously Adjustable, 3.5 in to Optical Center (130˚ Pivot Limit) [33] [35] **WMi3** Wall Mounting Incrementally Adjustable by 6˚, 3.5 in to Optical Center (130˚ Pivot Limit) [34] **WMi3** Wall Mounting Incrementally Adjustable by 6˚, 3.5 in to Optical Center (140˚ Pivot Limit) [34] **WMC6** Wall Mounting Continuously Adjustable, 6 in to Optical Center (170˚ Pivot Limit) [33] [36] **WMi6** Wall Mounting Incrementally Adjustable by 6˚, 6 in to Optical Center (170˚ Pivot Limit) [37] **WMC12** Wall Mounting Continuously Adjustable, 12 in to Optical Center (180˚ Pivot Limit) [33] [36] **WMi12** Wall Mounting Incrementally Adjustable by 6˚, 12 in to Optical Center (180˚ Pivot Limit) [37] **WMC18** Wall Mounting Continuously Adjustable, 18 in to Optical Center (180˚ Pivot Limit) [33] [36] **WMi18** Wall Mounting Incrementally Adjustable by 6˚, 18 in to Optical Center (180˚ Pivot Limit) [37] **WMC24** Wall Mounting Continuously Adjustable, 24 in to Optical Center (180˚ Pivot Limit) [32] [33] **WMi24** Wall Mounting Incrementally Adjustable by 6˚, 24 in to Optical Center (180˚ Pivot Limit) [32] [33]	**XD** Extra durable multi-step finish [38]	**BK** Black Sandtex® **BRZ** Bronze Sandtex® **SI** Silver Sandtex® **WH** Smooth White **BKTX** Textured Black **BRZTX** Textured Bronze Non-Metallic **GRATX** Textured Medium Gray **GRNTX** Textured Green **WHTX** Textured White **CC** Custom Color & Finish [39] [40] [41]	**NA** No Accessory **LV** Radial Louver [32] [44] **LVAS** Radial Louver Asymmetric [32] **VS** Visor [32] **SH** Shield [32] [45]	**BAA** Buy America.n [6] [46]

Notes:

6. Available for UL certification only.
26. Consult factory for vibration rating requirements on vertical installations.
27. Available for all mounting options.
28. Available for FX, WMC1, WMi1, WMC3 and WMi3 mounting options when combined with VRN vibration rating. All other mounting options may have installation limitations, and a review is needed for approval. Consult factory.
29. Consult factory for pole mounting accessories.
30. Available for FX, WMi1, and WMi3 mounting options when combined with VRBO vibration rating. All other mounting options may have installation limitations, and a review is needed for approval. Consult factory.
31. One mounting bracket provided for 12 in fixtures. Two mounting brackets provided for 24 in, 36 in and 48 in fixtures.
32. Available with NVR vibration rating only. Installation limitations may apply for other vibration rating options, and a review is needed for approval. Consult factory.
33. Not suitable for bridge and overpass applications.
34. Vibration tested in accordance with ANSI 136.31 2018 at 3Gv.
35. Vibration tested in accordance with ANSI 136.31 2018 at 1.5Gv.
36. Vibration tested in accordance with ANSI 136.31 2018 at 2.3Gv.
37. Vibration tested in accordance with ANSI 136.31 2018 at 4.6Gv.
38. Zirconium pretreatment completed with corrosion-resistant primer and electrostatically-applied powder coat paint finish.
39. 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.
40. Setup charges apply for RAL colors. Consult factory for details.
41. Longer lead times can be expected for custom RAL color finishes.
42. SH accessory can be combined with LV, LVAS or VS accessories. All other combinations are not possible.
43. The exterior finish of the accessory will match the finish specified in the fixture order code (interior surface painted matte black).
44. Available for 10x10, 10x30, 10x60, 10x90, 30x30, 30x60, 30x90, 60x60, 90x90, 30x10, 60x10, 60x30, 90x10 and W optics only.
45. Not suitable for bridge and overpass applications. The Shield can be installed in zones with wind speeds up to 120 mph. Consult factory for zones with wind speeds higher than 120 mph.
46. Contact your Lumenpulse Sales Representative for more information on order volume details.