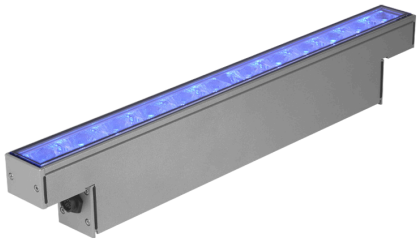
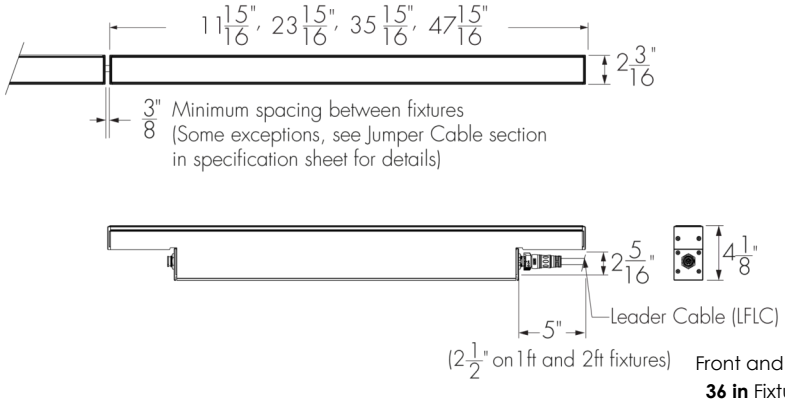
Project Name _____ **Qty** _____

Type _____ **Catalog / Part Number** _____



MRGBWP Configuration Shown



36 in Fixtures Shown

Photometric Summary (22 W/ft, Opticolor+ MRGBWP)

Symmetric

	Delivered Output (lm)	Intensity (Peak cd)
10°x10°	3,821	50,958
10°x30°	3,610	18,753
10°x60°	3,634	11,521
10°x90°	3,634	7,856
30°x30°	3,566	8,433
30°x60°	3,538	4,615
30°x90°	3,213	3,275
60°x60°	3,496	2,878
90°x90°	3,417	1,978
30°x10°	3,418	16,842
60°x10°	3,511	10,648
60°x30°	3,503	5,209
90°x10°	3,115	6,252
W (120°)	2,694	950

Asymmetric

NAS	3,763	22,970
WW	3,631	5,969
CAS	2,938	4,013

1. Based on MRGBWP full output, white set to 3000K, 48 in.
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 Color Changing Photometric Guide on Lumenpulse website for information on other color temperatures.

Description

The Lumenfacade Max made history as the first linear fixture to feature Opticolor™, Lumenpulse's groundbreaking mixed-at-source technology. Today, it continues to lead the way with Opticolor+™, delivering even greater color precision, flexibility, and performance. Powered by Optidrive™, Lumenfacade Max ensures maximum output, maximum consistency, and the unmistakable brilliance that defines Lumenpulse innovation.

Features

Length (Nominal)	**12:** 12 in, **24:** 24 in, **36:** 36 in, **48:** 48 in
Colors and Color Temperature (Opticolor™)	**MRGBA:** Opticolor™ Mix-at-Source Red, Green, Blue, PC Amber **MRGB:** Opticolor™ Mix-at-Source Red, Green, Blue
Colors and Color Temperature (Opticolor+®)	**MRGBWP:** Opticolor+® Mix-at-Source Red, Green, Blue Plus White Settable Range 24K to 65K **MRGBWP Typical Color Rendering:** 2700K-5000K: 90+ CRI 2500K-6500K: 80+ CRI **MRGROYWP:** Opticolor+® Mix-at-Source Red, Green, Royal Blue Plus White Settable Range 24K to 65K
Vibration Rating	**NVR:** Buildings and Fixed Structures **VRN:** Pole-Mounts **VRBO:** Bridges and Overpasses
Fixed Mounting Options	**FX:** Fixed Mounting (0° Pivot Limit)

Résumé photométrique (22 W/ft, Opticolor, MRGBA)

Symmetric

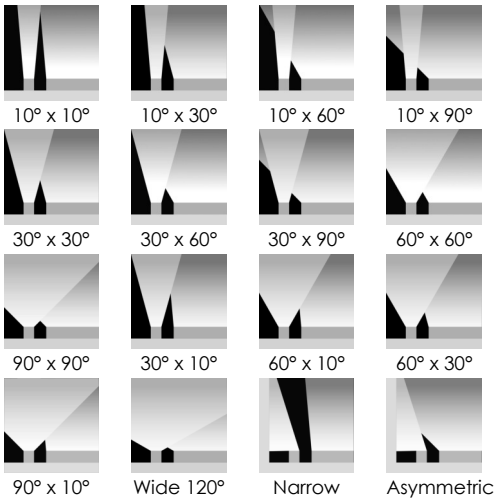
	Delivered Output (lm)	Intensity (Peak cd)
10°x10°	3,480	46,417
10°x30°	3,289	17,082
10°x60°	3,310	10,494
10°x90°	3,311	7,156
30°x30°	3,248	7,682
30°x60°	3,223	4,204
30°x90°	2,927	2,983
60°x60°	3,184	2,622
90°x90°	3,113	1,802
30°x10°	3,114	15,341
60°x10°	3,198	9,699
60°x30°	3,191	4,745
90°x10°	2,838	5,695
W (120°)	2,454	865

Asymmetric

NAS	3,428	20,923
WW	3,307	5,437
CAS	2,676	3,656

1. Based on MRGBA full output, {mm}[1218mm].
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 Color Changing Photometric Guide on Lumenpulse website for information on other color temperatures.

Optic



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 (Opticolor)	1,012 lm (6 W/ft, 48 in fixture, MRGBA, 10° x 10°, CL lens, DMX/RDM) 1,790 lm (10 W/ft, 48 in fixture, MRGBA, 10° x 10°, CL lens, DMX/RDM) 3,480 lm (22 W/ft, 48 in fixture, MRGBA, 10° x 10°, CL lens, DMX/RDM) Refer to Photometric Guide on Lumenpulse website for information on other color temperatures.
Maximum Delivered Output (Opticolor+)	1,145 lm (6 W/ft, 48 in fixture, MRGBWP, 10° x 10°, CL lens, DMX/RDM) 1,917 lm (10 W/ft, 48 in fixture, MRGBWP, 10° x 10°, CL lens, DMX/RDM) 3,821 lm (22 W/ft, 48 in fixture, MRGBWP, 10° x 10°, CL lens, DMX/RDM) Refer to Photometric Guide on Lumenpulse website for information on other color temperatures.

Color and Color Temperature

Opticolor+® Mix-at-Source Red, Green, Blue Plus White Settable Range 24K to 65K

Opticolor+® Mix-at-Source Red, Green, Royal Blue Plus White Settable Range 24K to 65K

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

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

Control

DMX/RDM | DALI T8 | lumentalk | 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

Lumencycle™ Program

Certifications

RoHS | buyamerica-n | 5 YEARS lumenpulse

Maximum Delivered Intensity (Opticolor)	13,499 cd at nadir (6 W/ft, 48 in fixture, MRGBA, 10° x 10°, CL Lens, DMX/RDM) 23,874 cd at nadir (10 W/ft, 48 in fixture, MRGBA, 10° x 10°, CL lens, DMX/RDM) 46,417 cd at nadir (22 W/ft, 48 in fixture, MRGBA, 10° x 10°, CL lens, DMX/RDM) Refer to Photometric Guide on Lumenpulse website for information on other color temperatures.
Maximum Delivered Intensity (Opticolor+)	15,271 cd (6 W/ft, 48 in fixture, MRGBWP, 10° x 10°, CL lens, DMX/RDM) 25,575 cd (10 W/ft, 48 in fixture, MRGBWP, 10° x 10°, CL lens, DMX/RDM) 50,958 cd (22 W/ft, 48 in fixture, MRGBWP, 10° x 10°, CL lens, DMX/RDM) Refer to Photometric Guide on Lumenpulse website for information on other color temperatures.
Illuminance at Distance (Opticolor)	Minimum 1 fc at 116 ft (6 W/ft, 48 in fixture, MRGBA, 10° x 10°, CL lens, DMX/RDM) Minimum 1 fc at 155 ft (10 W/ft, 48 in fixture, MRGBA, 10° x 10°, CL lens, DMX/RDM) Minimum 1 fc at 215 ft (22 W/ft, 48 in fixture, MRGBA, 10° x 10°, CL lens, DMX/RDM) Refer to Photometric Guide on Lumenpulse website for information on other color temperatures.
Illuminance at Distance (Opticolor+)	Minimum 1 fc at 124 ft (6 W/ft, 48 in fixture, MRGBWP, 10° x 10°, CL lens, DMX/RDM) Minimum 1 fc at 160 ft (10 W/ft, 48 in fixture, MRGBWP, 10° x 10°, CL lens, DMX/RDM) Minimum 1 fc at 226 ft (22 W/ft, 48 in fixture, MRGBWP, 10° x 10°, CL lens, DMX/RDM) Refer to Photometric Guide on Lumenpulse website for information on other color temperatures.
Lumen Maintenance	L70 (15K) > 90,000 hrs Ta 25 °C (TM-21 reported) L70 > 150,000 hrs Ta 25 °C (projected)* L90 (15K) = 55,400 hrs Ta 25 °C (TM-21 reported) L90 = 55,400 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	**DMX/RDM:** DMX/RDM Enabled Dimming **DALIT8:** DALI 2 T8 Enabled Dimming 0.1% **LT:** Lumentalk **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 2018 (50 ft, 150 mph) 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. Consult factory for zones with higher wind speeds or higher mounting heights. See accessories' section for exception.
Environment	Wet location rating

Accessories (Order Separately)

Cables

LFLC: Lumenfacade Leader Cable
LFJC: Lumenfacade Jumper Cable
LFTJ: Lumenfacade T-Junction

Operation and Maintenance

Lumencycle™ Program

Lumencycle-enabled fixtures are designed for serviceability and circular lifecycle management.
Lumenpulse will provide factory refurbishment programs, allowing luminaires to be restored and redeployed rather than replaced.

Important

Virtual Patent Marking Notice

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

Lumencycle™ Program

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

Photometric Information

6 W/ft (MRGBWP)

Symmetric

	Delivered Output (lm)	Intensity (Peak cd)
10°x10°	1,145	15,271
10°x30°	1,082	5,620
10°x60°	1,089	3,452
10°x90°	1,089	2,354
30°x30°	1,069	2,527
30°x60°	1,060	1,383
30°x90°	963	981
60°x60°	1,048	862
90°x90°	1,024	593
30°x10°	1,024	5,047
60°x10°	1,052	3,191
60°x30°	1,050	1,561
90°x10°	934	1,874
W (120°)	807	285

Asymmetric

NAS	1,128	6,884
WW	1,088	1,789
CAS	880	1,203

Based on MRGBWP full output, white set to 3000K, 48 in.

10 W/ft (MRGBWP)

Symmetric

	Delivered Output (lm)	Intensity (Peak cd)
10°x10°	1,917	25,575
10°x30°	1,812	9,412
10°x60°	1,824	5,782
10°x90°	1,824	3,943
30°x30°	1,790	4,232
30°x60°	1,776	2,316
30°x90°	1,612	1,644
60°x60°	1,754	1,444
90°x90°	1,715	993
30°x10°	1,716	8,453
60°x10°	1,762	5,344
60°x30°	1,758	2,614
90°x10°	1,564	3,138
W (120°)	1,352	477

Asymmetric

NAS	1889	11,529
WW	1822	2,996
CAS	1475	2,014

Based on MRGBWP full output, white set to 3000K, 48 in.

22 W/ft (MRGBWP)

Symmetric

	Delivered Output (lm)	Intensity (Peak cd)
10°x10°	3,821	50,958
10°x30°	3,610	18,753
10°x60°	3,634	11,521
10°x90°	3,634	7,856
30°x30°	3,566	8,433
30°x60°	3,538	4,615
30°x90°	3,213	3,275
60°x60°	3,496	2,878
90°x90°	3,417	1,978
30°x10°	3,418	16,842
60°x10°	3,511	10,648
60°x30°	3,503	5,209
90°x10°	3,115	6,252
W (120°)	2,694	950

Asymmetric

NAS	3,763	22,970
WW	3,631	5,969
CAS	2,938	4,013

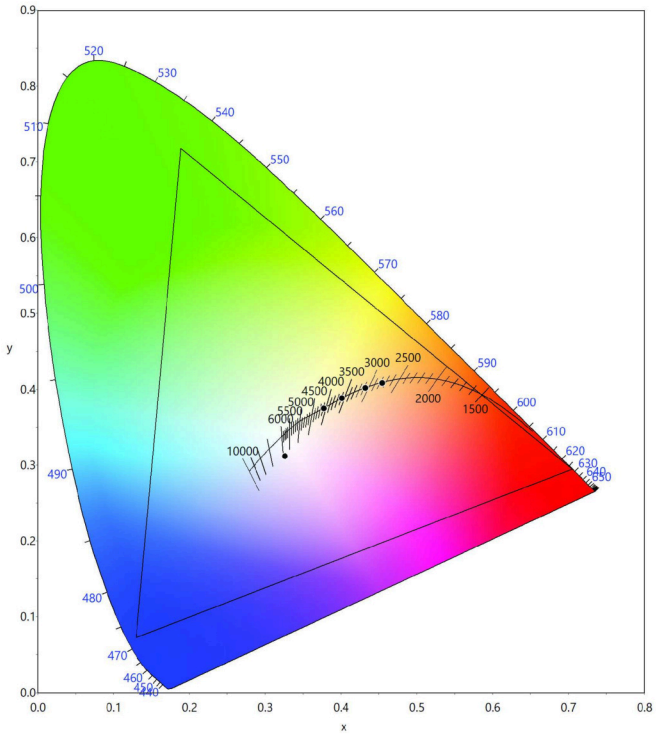
Based on MRGBWP full output, white set to 3000K, 48 in.

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

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

Color Point Information

MRGBWP



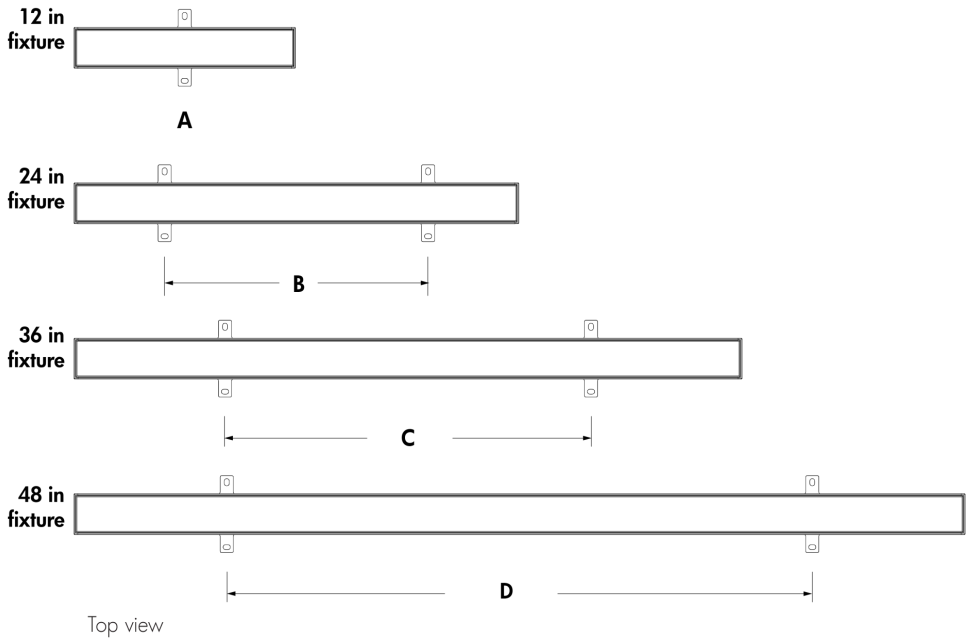
Dominant Wavelength and Chromaticity

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

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

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

Mounting 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

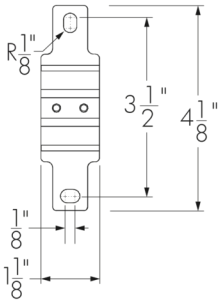
FX mounting brackets shown.

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

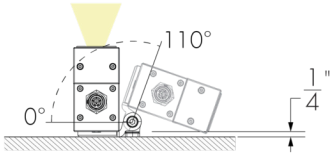


One mounting bracket provided for 12 in fixtures. Two mounting brackets provided for 24 in, 36 in and 48 in fixtures.

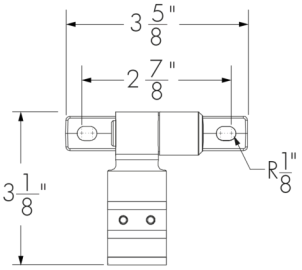
Weight of one FX Mounting Bracket: 0.11 lbs. Weight of two FX Mounting Brackets: 0.22 lbs.

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



Wind Limits

SM	No Accessories	With Accessories
12in	120mph	90mph
24in	80mph	70mph
36in	80mph	70mph
48in	80mph	70mph

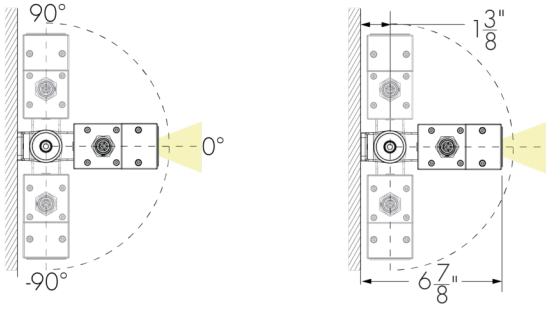
Not suitable for pole-mounted or bridge and overpass applications.

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.

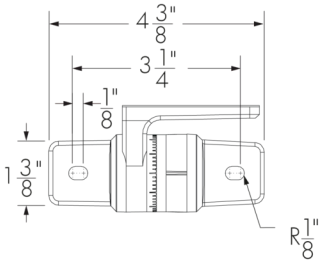
For proper hardware selection, use the dimensions of the mounting option, the weight and EPA values of the mounting option, and the weight and EPA values of the fixture and accessories for your engineering calculations.

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

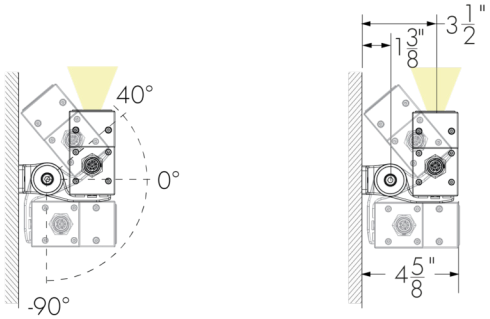


Weight of one WMC1/WMi1 Mounting Bracket: 0.62 lbs.
Weight of two WMC1/WMi1 Mounting Brackets: 1.23 lbs.

WMC1 WMi1 - Mounting Hole Pattern

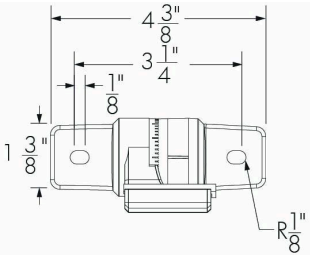


WMC3 - Wall Mounting Continuously Adjustable, 3.5 in to Optical Center
WMi3 - Wall Mounting Incrementally Adjustable by 6˚, 3.5 in to Optical Center



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

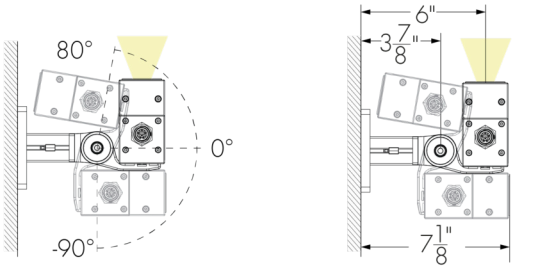
WMC3 WMi3 - Mounting Hole Pattern



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

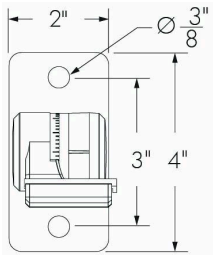
For proper hardware selection, use the dimensions of the mounting option, the weight and EPA values of the mounting option, and the weight and EPA values of the fixture and accessories for your engineering calculations.

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

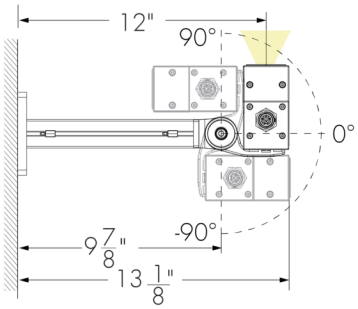


Weight of one WMC6/WMi6 Mounting Bracket: 1.21 lbs.
Weight of two WMC6/WMi6 Mounting Brackets: 2.43 lbs.

WMC6 WMi6 - Mounting Hole Pattern

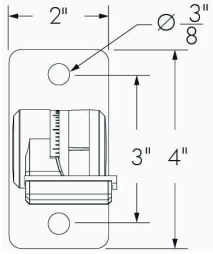


WMC12 - Wall Mounting Continuously Adjustable, 12 in to Optical Center
WMi12 - Wall Mounting Incrementally Adjustable by 6˚, 12 in to Optical Center

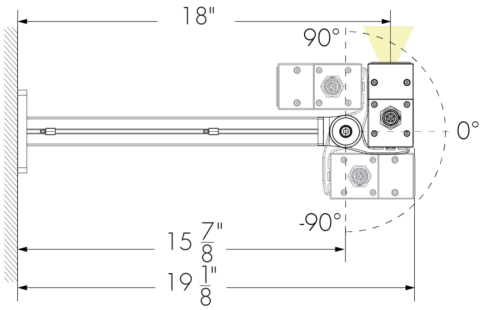


Weight of one WMC12/WMi12 Mounting Bracket: 1.72 lbs.
Weight of two WMC12/WMi12 Mounting Brackets: 3.44 lbs.

WMC12 WMi12 - Mounting Hole Pattern

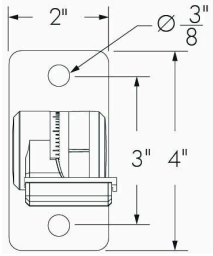


WMC18 - Wall Mounting Continuously Adjustable, 18 in to Optical Center
WMi18 - Wall Mounting Incrementally Adjustable by 6˚, 18 in to Optical Center



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

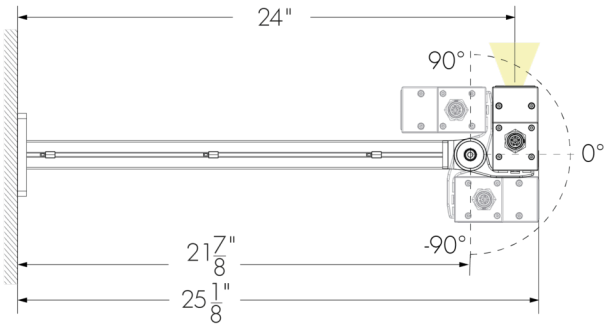
WMC18 WMi18 - Mounting Hole Pattern



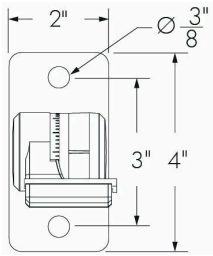
One mounting bracket provided for 12 in fixtures. Two mounting brackets provided for 24 in, 36 in and 48 in fixtures.

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

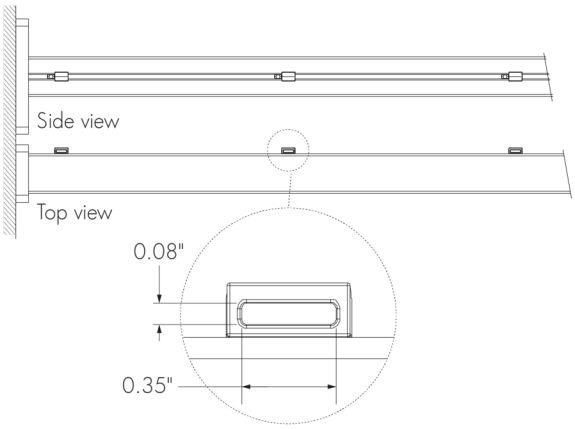


Weight of one WMC24/WMi24 Mounting Bracket: 2.87 lbs.
Weight of two WMC24/WMi124 Mounting Brackets: 5.73 lbs.

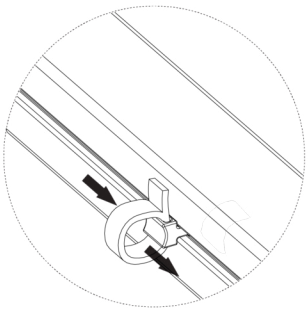
One mounting bracket provided for 12 in fixtures. Two mounting brackets provided for 24 in, 36 in and 48 in fixtures.

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

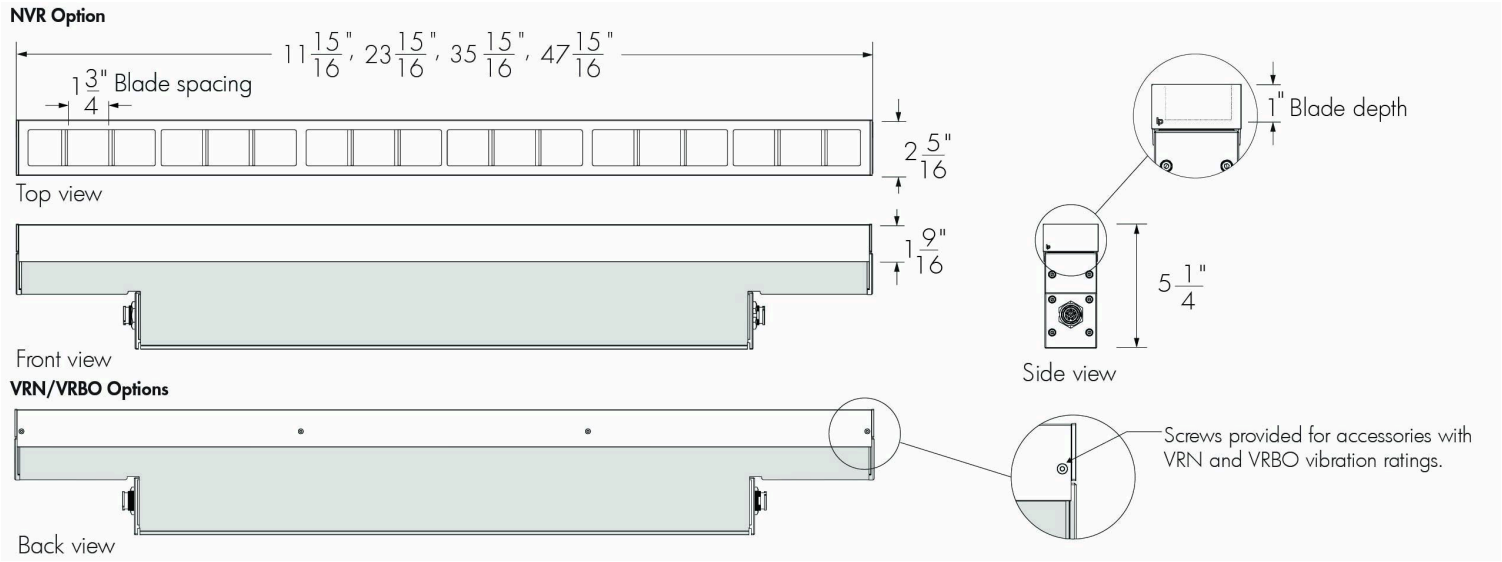

Cable tie as installed

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

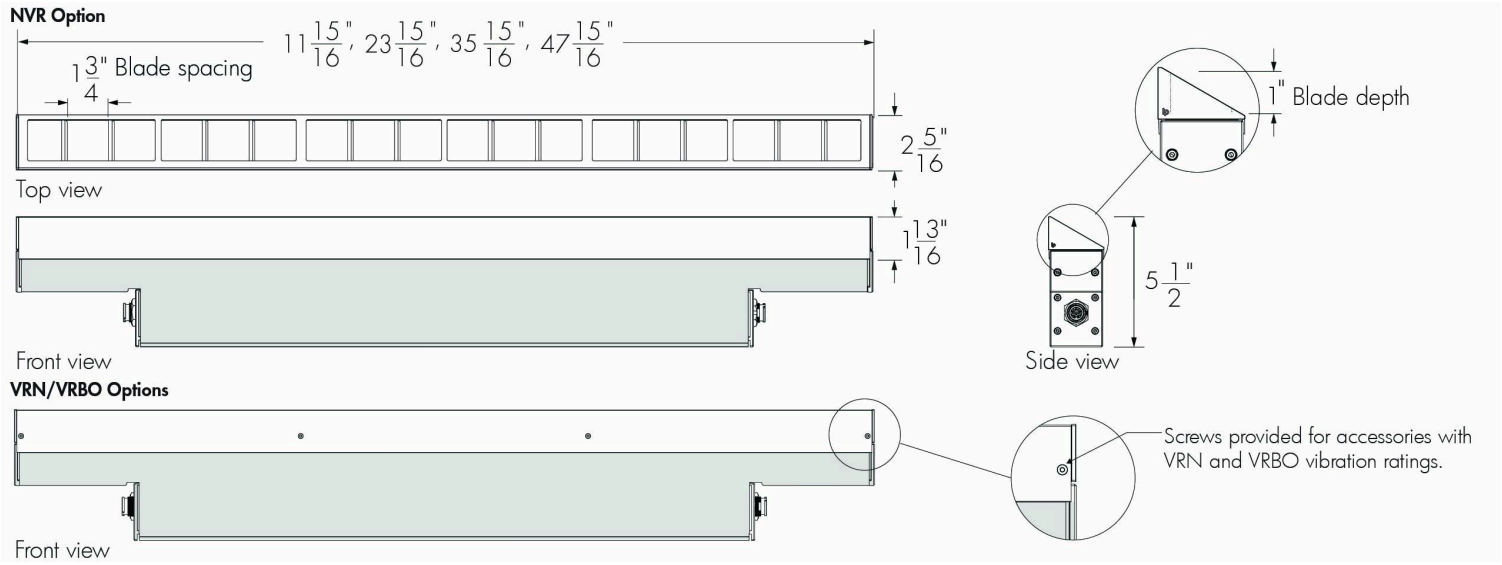
LV - Radial Louver



- 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.

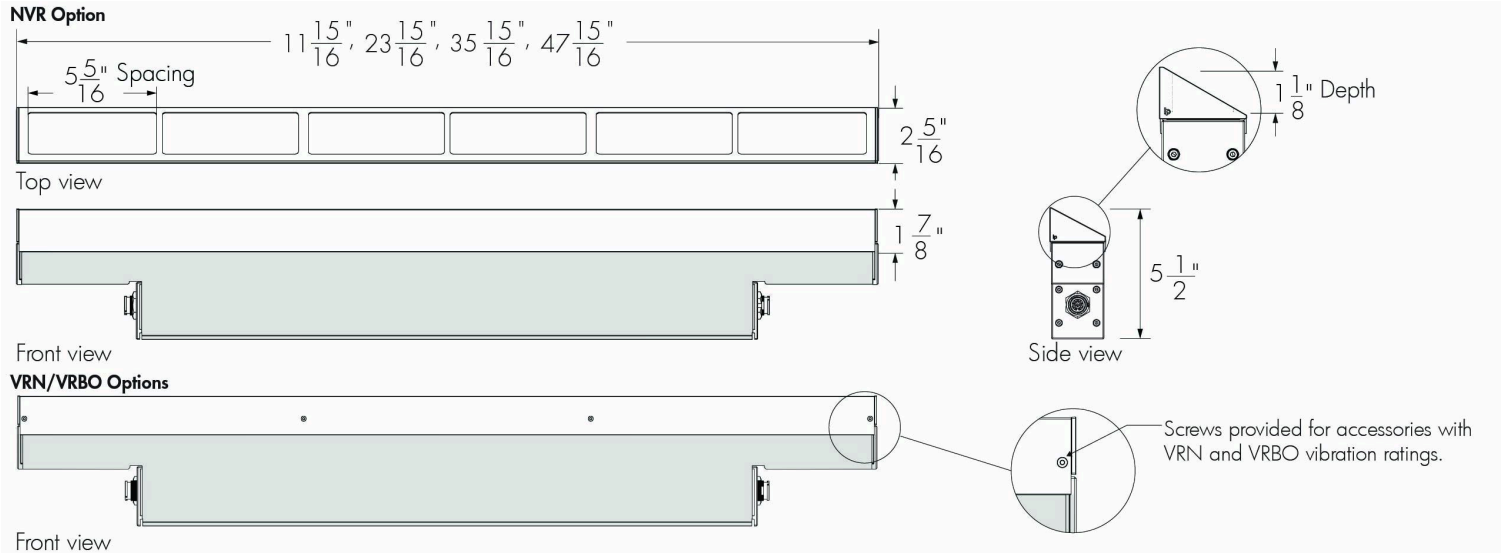
LVAS - Radial Louver Asymmetric



- 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.

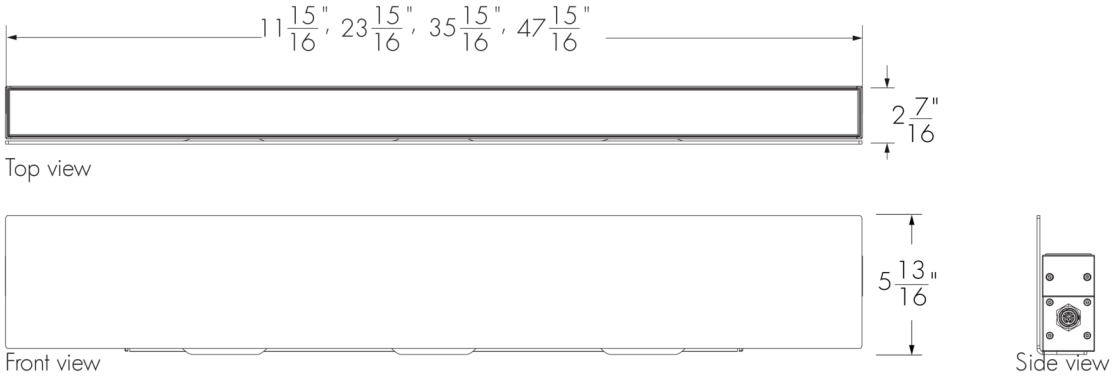
VS - Visor



- 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.

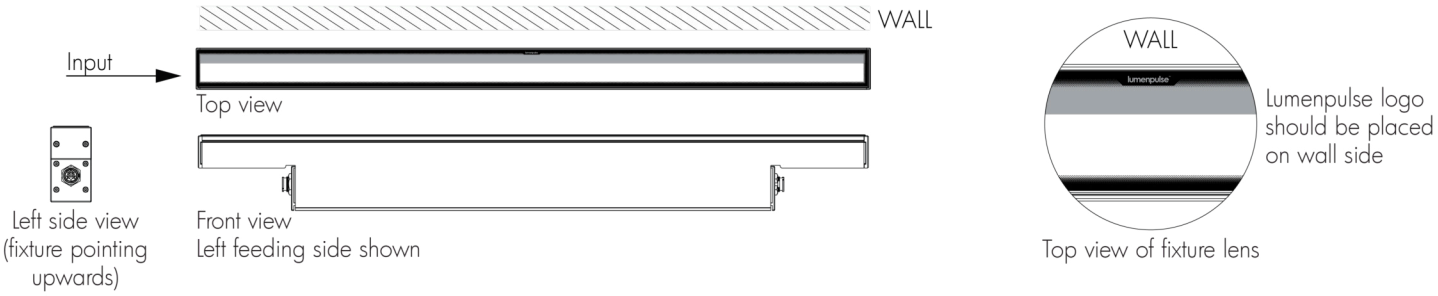
Lens and Optics Combinations Table

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

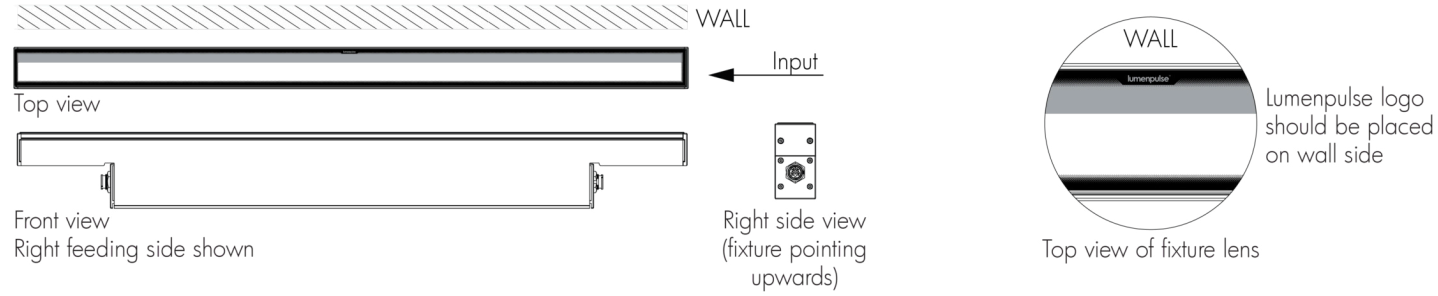
Half-Frosted Lens Details

Left Feeding Side



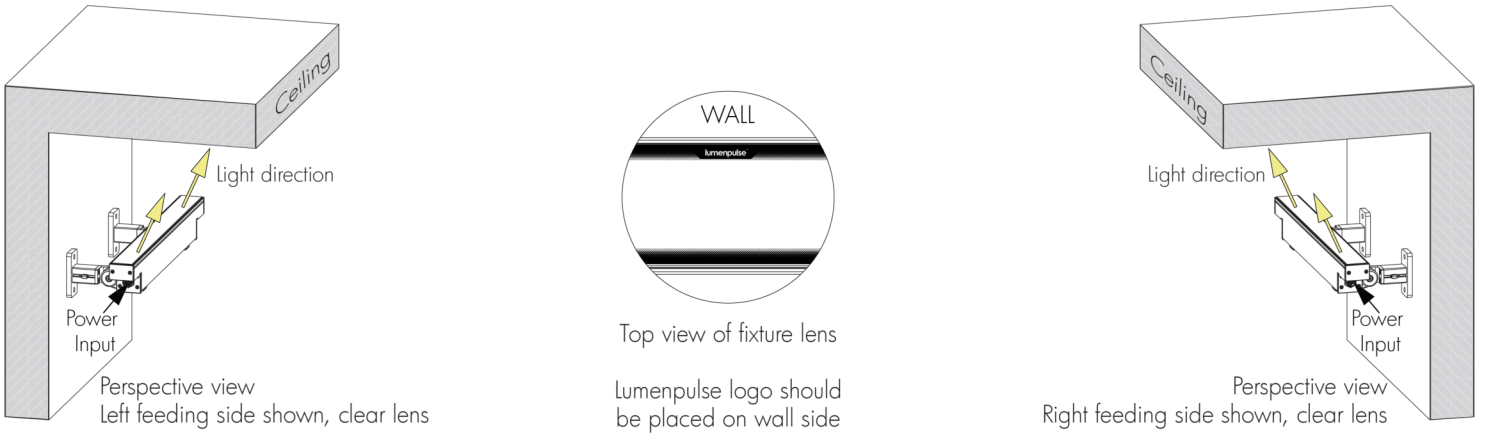
- Position frosted side of the lens and Lumenpulse logo along the wall.
- Fixture's feeding side is based on uplight installations. Feeding sides are reversed when fixture is used in a downlight application.

Right Feeding Side



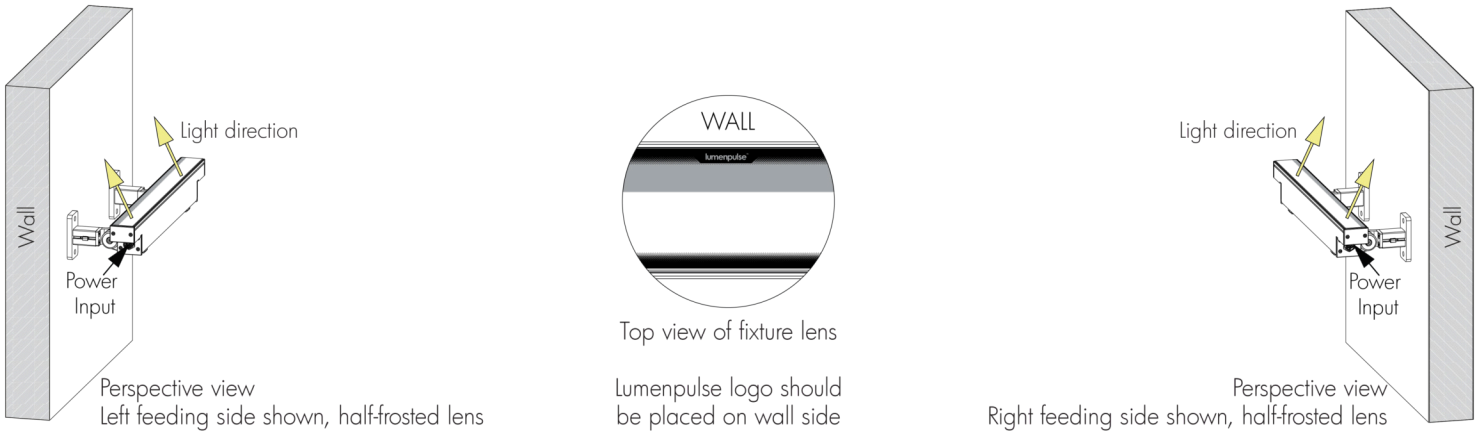
- Position frosted side of the lens and Lumenpulse logo along the wall.
- Fixture's feeding side is based on uplight installations. Feeding sides are reversed when fixture is used in a downlight application.

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).

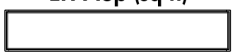
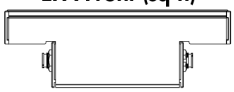
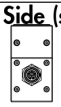
Narrow Asymmetric and Asymmetric Wallwash Optics Details



- 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).

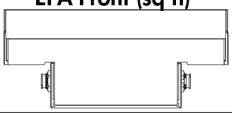
EPA Guide - Fixture

Fixture

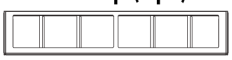
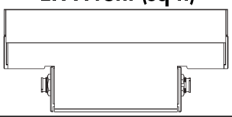
	12 in	24 in	36 in	48 in
EPA Top (sq ft) 	0.237	0.476	0.715	0.954
EPA Front (sq ft) 	0.339	0.784	1.124	1.569
EPA Side (sq ft) 	0.082	0.082	0.082	0.082

EPA Guide - Fixture with Accessory

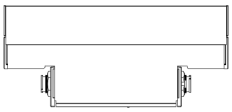
Fixture With Radial Louver Accessory

	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

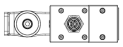
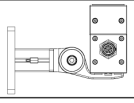
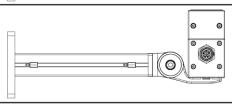
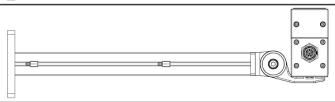
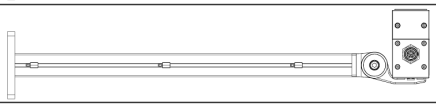
Fixture With Visor Accessory

	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

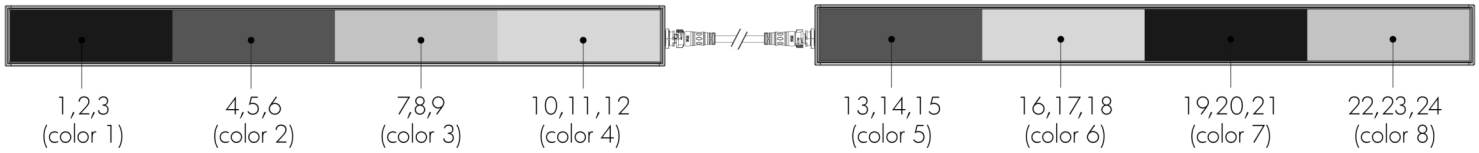
	12 in	24 in	36 in	48 in
EPA Top (sq ft) 	0.237	0.476	0.715	0.954
EPA Front (sq ft) 	0.926	1.859	2.791	3.723
EPA Side (sq ft) 	0.082	0.082	0.082	0.082

EPA Guide - Mounting Option

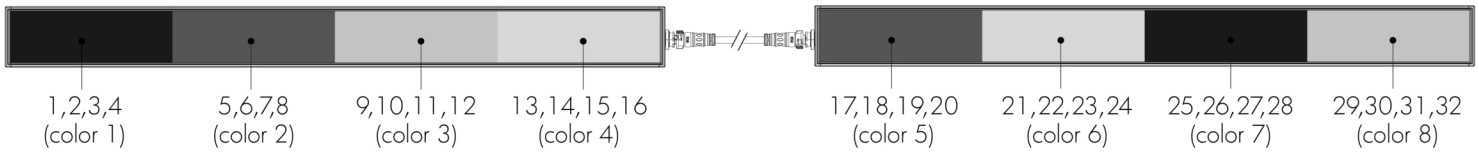
	EPA Top/Side (sq ft)	
FX	N/A	
SM	0.01	
WMC1 **WMi1**	0.05	
WMC3 **WMi3**	0.04	
WMC6 **WMi6**	0.06	
WMC12 **WMi12**	0.14	
WMC18 **WMi18**	0.21	
WMC24 **WMi24**	0.29	

Resolution Details

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

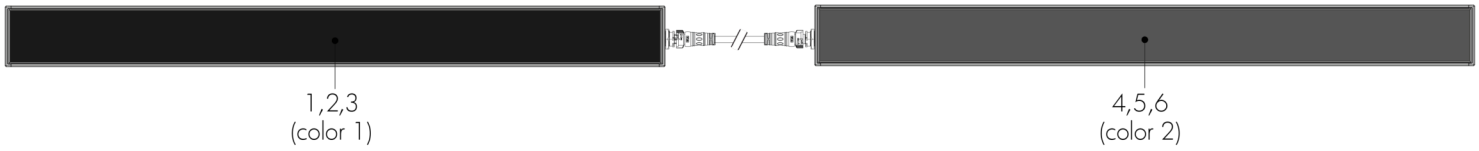


MRGB color mixing option

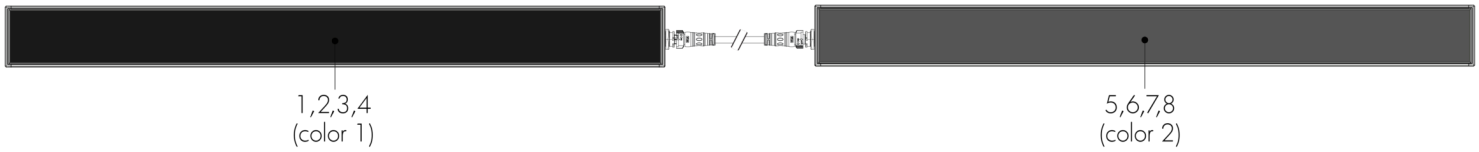


MRGBA, MRGBWP and MRGROYWP color mixing options. 3, 4 or 5-channel modes are also available via RDM.

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



MRGB color mixing option



MRGBA, MRGBWP and MRGROYWP color mixing options. 3, 4 or 5-channel modes are also available via RDM.

- 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

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	128ft	128ft	128ft	128ft

Lumenfacade Max 10W/ft

Voltage	**Resolution**	**120V**	**220V**	**240V**	**277V**
Maximum Fixture Run Length	Per Foot	120ft	128ft	128ft	128ft

Lumenfacade Max 22W/ft

Voltage	**Resolution**	**120V**	**220V**	**240V**	**277V**
Maximum Fixture Run Length	Per Foot	64ft	124ft	128ft	128ft

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

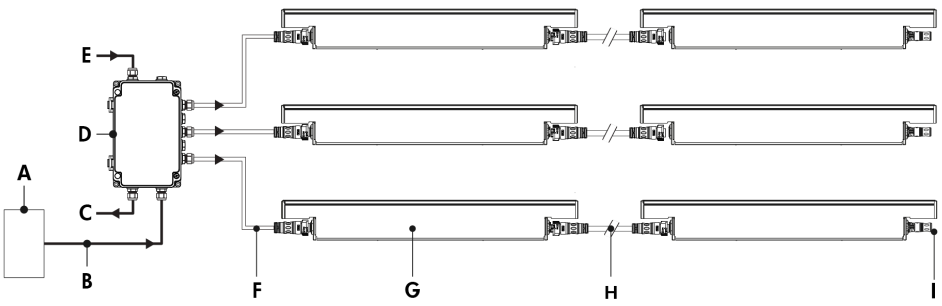
Voltage	**Resolution**	**120V**	**220V**	**240V**	**277V**
Maximum Fixture Run Length	Per Foot	68ft	124ft	136ft	156ft

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.

1220 Marie-Victorin Blvd., Longueuil, QC, J4G 2H9, CAN | **T** 514.937.3003 | 1.877.937.3003 | info@lumenpulse.com
www.lumenpulse.com **www.lumenpulse.com/products/5549**

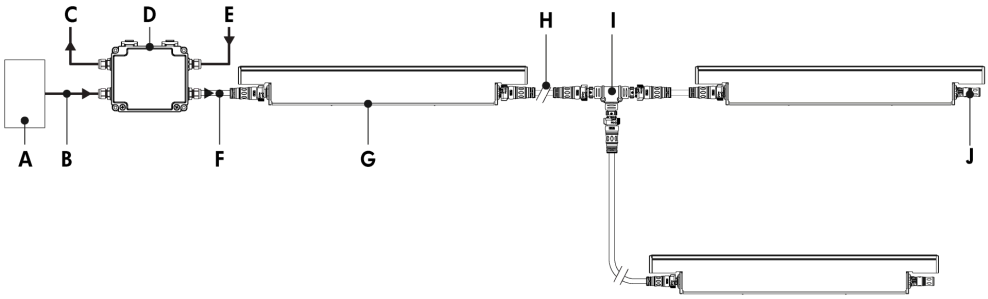
Typical Wiring Diagrams

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)

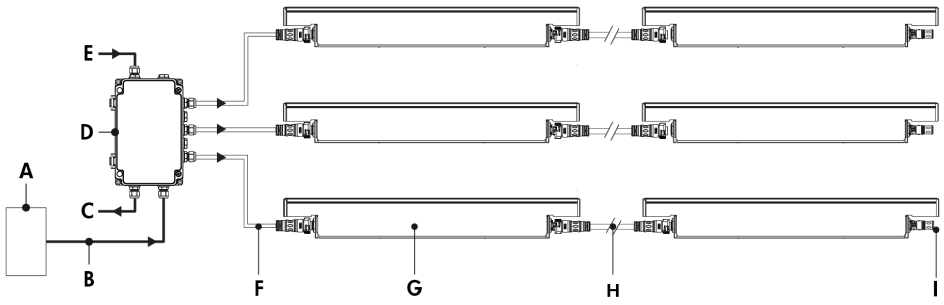


A - Third-party DMX/RDM controller
B - Data input (Belden 9841 or equivalent, by others)
C - Data output to next CBX (optional, not isolated/not boosted)
D - CBX-DS
E - Power input (120 to 277V, wiring by others)
F - Leader Cable (LFLC XC3P3D)
G - Lumenfacade Max Continuous Run (LFM-CR)
H - Jumper Cable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

Refer to installation instructions for additional wiring details.

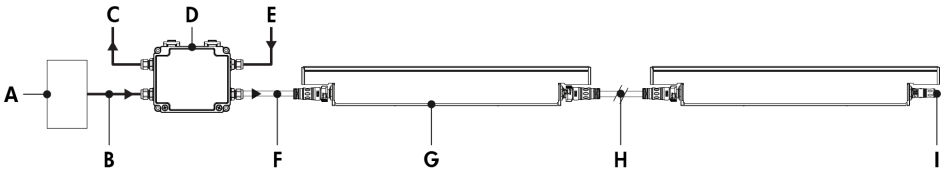
- Consult CBX installation instructions for additional wiring details.
- 50 ft maximum DMX/RDM "Stub" length.
- Maximum of 1 luminaire per "Stub".
- Each fixture requires 1, 2, 3, 4, or 5 DMX addresses depending on control mode selected onsite.
- Maximum of 4 DMX/RDM repeaters/CBX cascading in line.
- 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

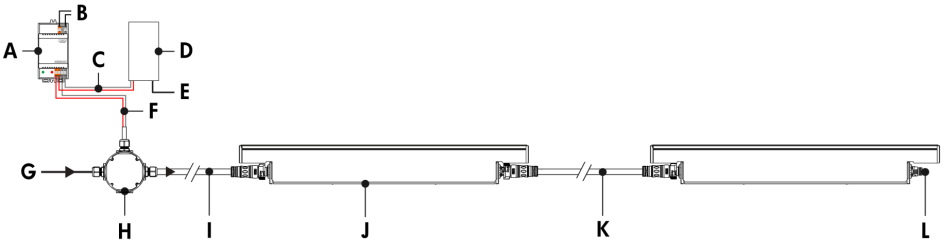
Refer to installation instructions for additional wiring details.

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.

DALI 2 T8 (DALIT8)

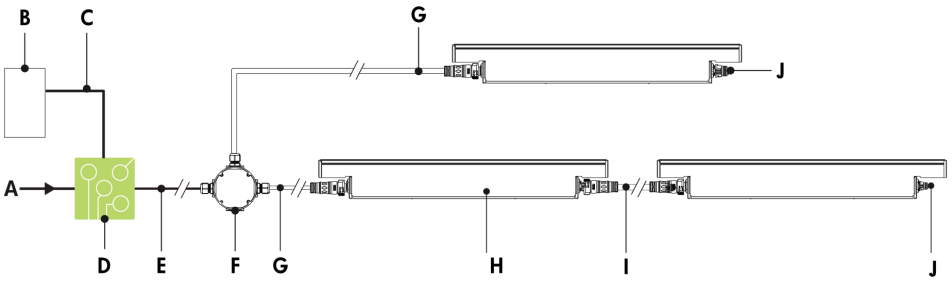


A - DALI bus power supply (by others)
B - Power input for DALI bus power supply (wiring by others)
C - Data output to DALI controller (wiring by others)
D - DALI controller (by others)
E - Power input for DALI controller (if required, wiring by others)
F - Data output to fixture (wiring by others)
G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



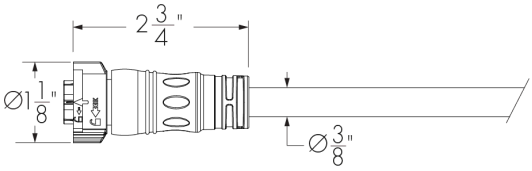
A - Power input (120 to 277V, wiring by others)
B - DMX/RDM controller (order separately from Lumenpulse, or by others)
C - Data wiring (by others)
D - Lumentranslator 2 (LTL2-DMX)
E - Power wiring (by others)
F - Junction box (by others)
G - Leader cable (LFLC XC3P2D)
H - Lumenfacade Max Continuous 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.

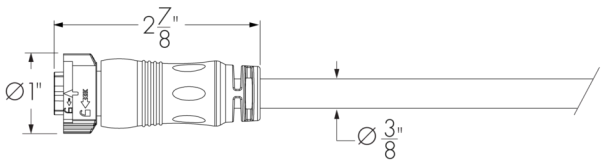
Leader Cable (Order Separately)

LFLC - Lumenfacade Leader Cable (XC3P2D)



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

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 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) or 90D (90° Angle Connector);
CABLE/CONNECTOR COLOR: BK (Black) or WH (White) (connectors are the same color as the specified cable color).

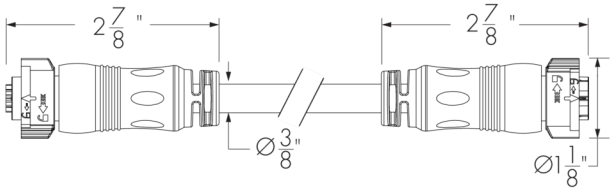
A waterproof sealing end cap is mandatory for any unused connector. One (1) included with every CR/CH XC3P2D Leader Cable.

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); **CABLE/CONNECTOR COLOR**: BK (Black) or WH (White) (connectors are the same color as the specified cable color).

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

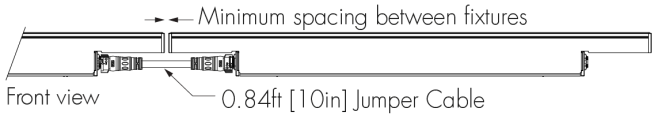
Jumper Cable (Order Separately)

LFJC - Lumenfacade Jumper Cable (XC3P2D)

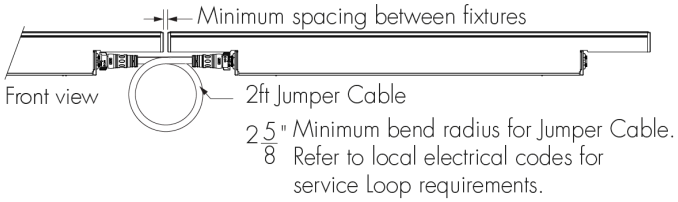


UL version shown. Consult European specification sheet for CE cable details.

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.

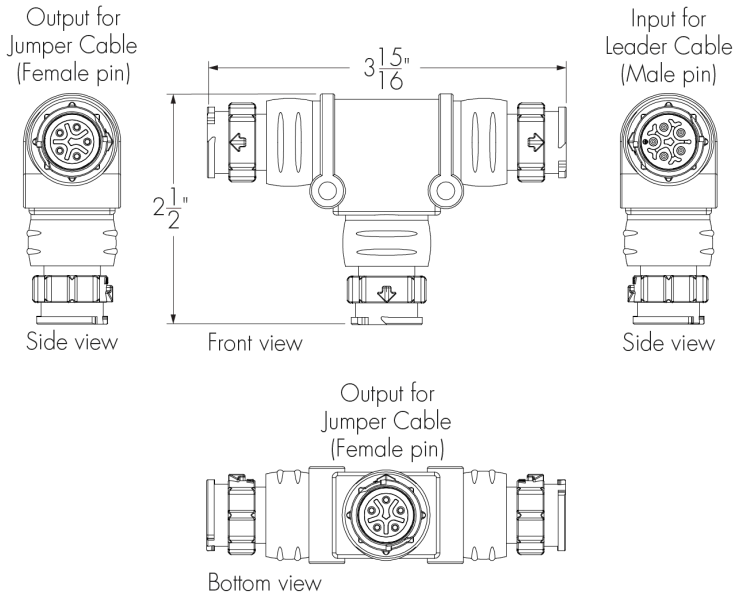
LFJC**-CERTIFICATION-VOLTAGE-LENGTH-CONNECTOR/CABLE TYPE-CONNECTOR SHAPE-CABLE/CONNECTOR COLOR**

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).

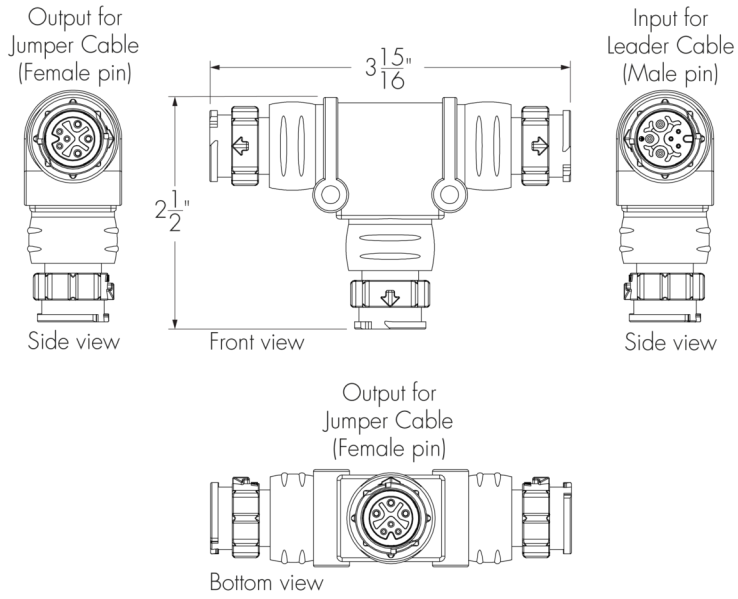
- Suitable for dimming/data and non-dimming applications.
- Consult Lumenfacade Jumper Cable specification sheet for additional information.

T-Junction (Order Separately)

LFTJ - Lumenfacade T-Junction (XC3P2D)
Available For DALI8 and LT 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).

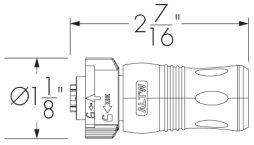
- Suitable for dimming/data and non-dimming applications with LFM fixtures.
- Consult factory for guidelines on the use of T-Junctions in a fixture run.
- Consult Lumenfacade T-Junction specification sheet for additional information.

- 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

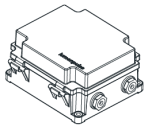
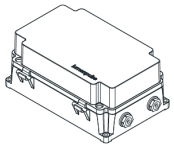


DMX/RDM terminator is mandatory at the end of a fixture run with T-junction for DMX/RDM applications

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

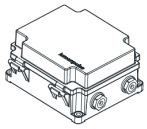
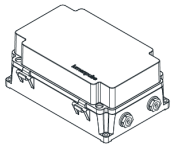
Control Boxes (Order Separately)

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.

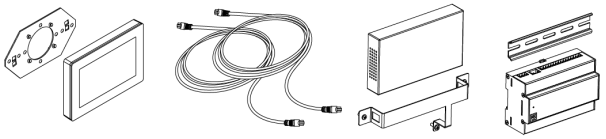
CBX-ENET - Ethernet Enabled (Daisy Chain or Star Configuration)

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.

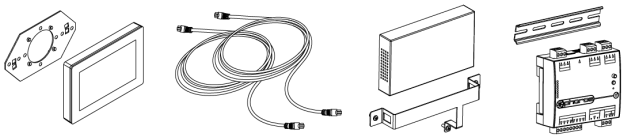
Control Systems (Order Separately)

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.

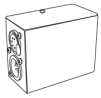
EXPERT - Pharos® Express Control Kit



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 [11]	Optic	Lens	Feeding Side
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	**MRGBWP** Opticolor+® Mix-at-Source Red, Green, Blue Plus White Settable Range 24K to 65K [12] [13] **MRGROYWP** Opticolor+® Mix-at-Source Red, Green, Royal Blue Plus White Settable Range 24K to 65K [12] [13] [14] [15] **MRGBA** Opticolor™ Mix-at-Source Red, Green, Blue, PC Amber [12] **MRGB** Opticolor™ Mix-at-Source Red, Green, Blue [12]	**10x10** 10° x 10° [16] **10x30** 10° x 30° **10x60** 10° x 60° **10x90** 10° x 90° **30x30** 30° x 30° [17] **30x60** 30° x 60° [17] **30x90** 30° x 90° [17] **60x60** 60° x 60° [17] **90x90** 90° x 90° [17] **30x10** 30° x 10° [17] **60x10** 60° x 10° [17] **60x30** 60° x 30° [17] **90x10** 90° x 10° [17] **W** Wide 120° [17] **NAS** Narrow Asymmetric **WW** Asymmetric Wallwash [18] **CAS** Ceiling Asymmetric [17]	**CL** Clear Lens [19] **HFR** Half-Frosted Lens [20] **FR** Frosted Lens [21]	**NF** No Feed Information Required **LF** Left Feeding Side **RF** Right Feeding Side

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. White Channel Set Point or Warm Dimming Range is adjustable at commissioning. Consult Opticolor+ Personality Guide for details.
12. Fixtures are shipped from the factory in Optidrive™ Mode. Normal Mode can be activated onsite for DMX/RDM and LT fixtures. For DMX/RDM applications, Optidrive Mode requires a LumenID, LumenID software and onsite commissioning. For LT applications, Optidrive Mode requires a LumenID, LumentalkID software and onsite commissioning. Additionally, with Opticolor+™ the white CCT is configurable in the field from 2200K-8000K.
13. Consult factory for DALI T8 applications with MRGBWP or MRGROYWP and a CCT other than 3000K.
14. Longer lead time of 10-12 weeks.
15. Consult factory for photometric performance.
16. For best results use a miminum 6 in setback from surface. Contact factory for application support.
17. Can be combined with a CL or FR lens only.
18. Can be combined with a HFR or FR lens only.
19. When CL lens is combined with NAS or CAS optic, LF or RF feeding side must be specified.
20. When HFR lens is specified, LF or RF feeding side must be specified.
21. When FR lens is combined with WW, NAS or CAS optic, LF or RF feeding side must be specified.

How to Order

Control	Vibration Rating [28]	Mounting Options [35]	Environment	Finish	Accessories [46] [47]	Buy America.n Act
DMX/RDM DMX/RDM Enabled Dimming [22] [23] **DALIT8** DALI 2 T8 Enabled Dimming 0.1% [13] [24] **LT** Lumentalk [23] [25] **ETX** ExtendX™ [23] [26] [27]	**NVR** Buildings and Fixed Structures [29] **VRN** Pole-Mounts [30] [31] [32] **VRBO** Bridges and Overpasses [33] [34]	**SM** Slim Adjustable Mounting Continuously Adjustable (110° Pivot Limit) [36] [37] **FX** Fixed Mounting (0° Pivot Limit) [38] **WMC1** Wall Mounting Continuously Adjustable, 1.5 in to Optical Center (180° Pivot Limit) [37] [39] **WMi1** Wall Mounting Incrementally Adjustable by 6°, 1.5 in to Optical Center (180° Pivot Limit) [38] **WMC3** Wall Mounting Continuously Adjustable, 3.5 in to Optical Center (130° Pivot Limit) [37] [39] **WMi3** Wall Mounting Incrementally Adjustable by 6°, 3.5 in to Optical Center (130° Pivot Limit) [38] **WMC6** Wall Mounting Continuously Adjustable, 6 in to Optical Center (170° Pivot Limit) [37] [40] **WMi6** Wall Mounting Incrementally Adjustable by 6°, 6 in to Optical Center (170° Pivot Limit) [41] **WMC12** Wall Mounting Continuously Adjustable, 12 in to Optical Center (180° Pivot Limit) [37] [40] **WMi12** Wall Mounting Incrementally Adjustable by 6°, 12 in to Optical Center (180° Pivot Limit) [41] **WMC18** Wall Mounting Continuously Adjustable, 18 in to Optical Center (180° Pivot Limit) [37] [40] **WMi18** Wall Mounting Incrementally Adjustable by 6°, 18 in to Optical Center (180° Pivot Limit) [41] **WMC24** Wall Mounting Continuously Adjustable, 24 in to Optical Center (180° Pivot Limit) [37] [40] **WMi24** Wall Mounting Incrementally Adjustable by 6°, 24 in to Optical Center (180° Pivot Limit) [41]	**XD** Extra durable multi-step finish [42]	**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 [43] [44] [45]	**NA** No Accessory **LV** Radial Louver [48] **LVAS** Radial Louver Asymmetric **VS** Visor **SH** Shield [36] [49]	**BAA** Buy America.n [6] [50]

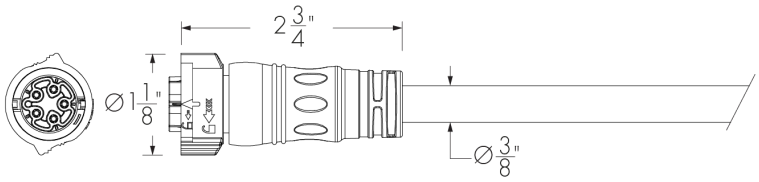
Notes:

6. Available for UL certification only.
13. Consult factory for DALI T8 applications with MRGBWP or MRGROYWP and a CCT other than 3000K.
22. A Control Box (CBX) and LumenID (LID) must be specified.
23. Minimum dimming value is less than 1%.
24. DALI 2 T8 controller required, provided by others. DALI 2 T8 control uses a single DALI short address.
25. A Lumentranslator 2 (LTL2) and LumenID (LID) must be specified for Lumentalk applications. Consult Lumentranslator 2 and Lumentalk pages and specification sheets for details.
26. An Ethernet CBX is required. Refer to the ETX configuration in the Ethernet CBX Specification Sheet for details.
27. ETX Control Option is not compatible with LFTJ T-Junction Accessory.
28. Consult factory for vibration rating requirements on vertical installations.
29. Available for all mounting options.
30. Available for FX, WMC1, WMi1, WMC3, WMi3, WMC6, WMi6, WMC12, WMi12, WMC18, WMi18, WMC24 and WMi24 mounting options.
31. Consult factory for pole mounting accessories.
32. Specify only if normal roadway application is required as per ANSI 136.31 2018.
33. Available for FX, WMi1, WMi3, WMi6, WMi12, WMi18 and WMi24 mounting options.
34. Specify only if a bridge or overpass application is required as per ANSI 136.31 2018.
35. One mounting bracket provided for 12 in fixtures. Two mounting brackets provided for 24 in, 36 in and 48 in fixtures.
36. Available with NVR vibration rating only. Installation limitations may apply for other vibration rating options, and a review is needed for approval. Consult factory.
37. Not suitable for bridge and overpass applications.
38. Vibration tested in accordance with ANSI 136.31 2018 at 3Gv.
39. Vibration tested in accordance with ANSI 136.31 2018 at 1.5Gv.
40. Vibration tested in accordance with ANSI 136.31 2018 at 2.3Gv.
41. Vibration tested in accordance with ANSI 136.31 2018 at 4.6Gv.
42. Zirconium pretreatment completed with corrosion-resistant primer and electrostatically-applied powder coat paint finish.
43. 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.
44. Setup charges apply for RAL colors. Consult factory for details.
45. Longer lead times can be expected for custom RAL color finishes.
46. SH accessory can be combined with LV, LVAS or VS accessories. All other combinations are not possible.
47. The exterior finish of the accessory will match the finish specified in the fixture order code (interior surface painted matte black).
48. Available for 10x10, 10x30, 10x60, 10x90, 30x30, 30x60, 30x90, 60x60, 90x90, 30x10, 60x10, 60x30, 90x10 and W optics only.
49. 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.
50. Contact your Lumenpulse Sales Representative for more information on order volume details.

Project Name _____ **Qty** _____

Type _____ **Catalog / Part Number** _____

XC3P2D Version Shown



180D - Straight Connector Shown
XC3P2D Version for NO, PH, DIM, DALI and LT Control on LFP and LFM Fixtures

Certifications

Features

Connector Color	Black, White
Cable Color	Black, White
Warranty	5-year limited warranty
Type	Continuous Run or Continuous Horizontal, Standalone
Length	10 ft, 25 ft, 50 ft, 100 ft, 150 ft, 200 ft

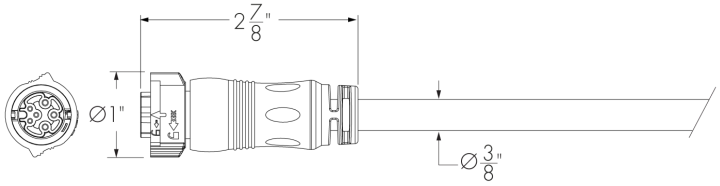
Electrical and Control

Certification	UL Compliant, CE Compliant
Voltage	120 Volts to 277 Volts
Connectors	X-lock C-size, Male pins, Female pins
Conductors	XC3P2D: Power and data in 1 cable, 5 conductors (5 x 16AWG) (5 x 1,5 mm^2) XC3P3D: Power and data in 1 cable, 6 conductors (3 x 14AWG + 3 x 24AWG Xlock format C) (3 x 2,5 mm^2, 3 x 0,25 mm^2)
Connector Shape	Straight Connector, 90˚ Angle Connector
Control	For non-dimming and dimming/data applications

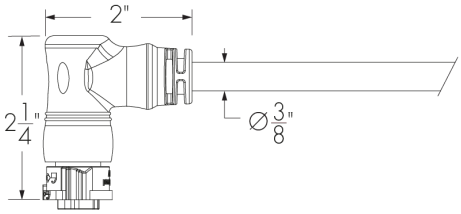
Environmental

Operating Temperature	Up to 185 °F (CE version) Up to 221 °F (UL version)
Ingress Protection Rating	IP66 IP67

XC3P3D Version (For DMX/RDM Control on LFM Fixtures)



90° Angle Connector Dimensions



Available for Type SA only.

How to Order

Housing	Type	Certification	Voltage	Length	Connector and Cable Type	Connector Shape	Cable and Connector Color
LFLC Lumenfacade Leader cable	**CR/CH** Continuous Run or Continuous Horizontal [1] **SA** Standalone [1]	**UL** UL Compliant **CE** CE Compliant [2]	**120_277** 120 Volts to 277 Volts	**10FT** 10 ft **25FT** 25 ft **50FT** 50 ft **100FT** 100 ft **150FT** 150 ft **200FT** 200 ft	**XC3P2D** 5x 16 AWG X-lock C-size [3] **XC3P3D** 3x 14AWG + 3x 24AWG X-lock C-size + Terminal Block [4]	**180D** Straight Connector **90D** 90° Angle Connector [5]	**BK** Black **WH** White [6]

Notes:

1. Cable Type must match Fixture Type.
2. Available with BK cable and connector color only.
3. Available for NO, PH, DIM or DALI, DALI T8 and LT control options for Lumenfacade Pure and Lumenfacade Max fixtures.
4. Available for DMX/RDM control option for Lumenfacade Max fixtures only.
5. Available for Type SA only.
6. Available for UL certification only.

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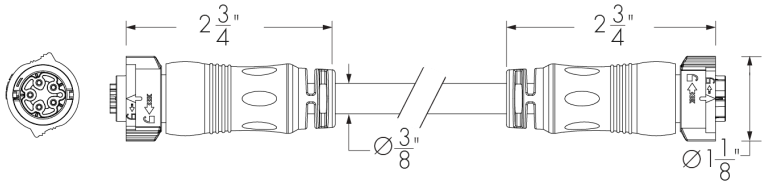
www.lumenpulse.com **www.lumenpulse.com/products/4131**

Project Name _____ **Qty** _____

Type _____ **Catalog / Part Number** _____



XC3P2D Version Shown

XC3P2D Version for NO, PH, DIM, DALI and LT Control on LFP and LFM Fixtures

Certifications

Features

Connector Color	Black, White
Cable Color	Black, White
Warranty	5-year limited warranty
Length	0.84 ft, 2 ft, 5 ft, 10 ft, 25 ft, 50 ft

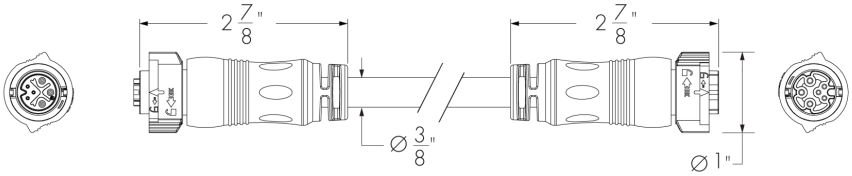
Electrical and Control

Certification	UL Compliant, CE Compliant
Voltage	120 Volts to 277 Volts
Connectors	X-lock C-size, Male pins, Female pins
Conductors	XC3P2D: Power and data in 1 cable, 5 conductors (5 x 16AWG) (5 x 1,5 mm^2) XC3P3D: Power and data in 1 cable, 6 conductors (3 x 14AWG + 3 x 24AWG Xlock format C) (3 x 2,5 mm^2, 3 x 0,25 mm^2)
Connector Shape	Straight Connector
Control	For non-dimming and dimming/data applications

Environmental

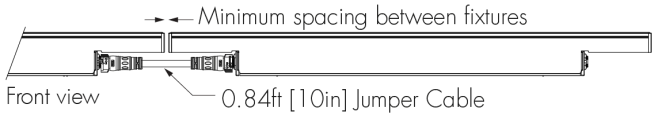
Operating Temperature	Up to 221 °F (UL version) Up to 185 °F (CE version)
Ingress Protection Rating	IP66 IP67

XC3P3D Version (For DMX/RDM Control on LFM Fixtures)



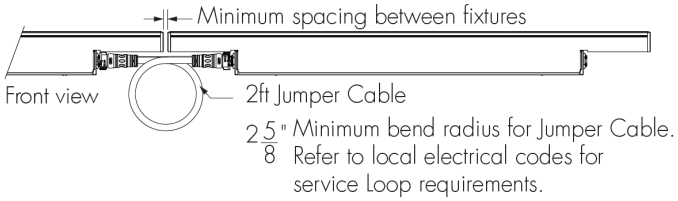
Jumper Cable Details

Lumenfacade Pure Continuous Run and Lumenfacade Max Continuous Run Straight Cable/No Cable Loop



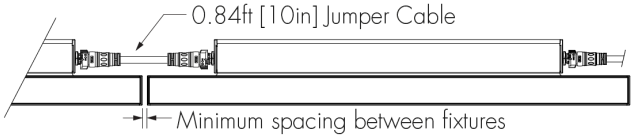
For constraints per fixture length, see tables below.

Lumenfacade Pure and Lumenfacade Max Continuous Run Cable Loop



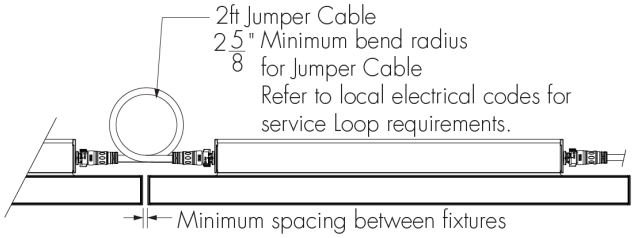
For constraints per fixture length, see tables below.

Lumenfacade Pure and Lumenfacade Max Continuous Horizontal Straight Cable/No Cable Loop



For constraints per fixture length, see tables below.

Lumenfacade Pure and Lumenfacade Max Continuous Horizontal Cable Loop



For constraints per fixture length, see tables below.

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.

How to Order

Housing	Certification	Voltage	Length	Connector and Cable Type	Connector Shape	Cable and Connector Color
LFJC Lumenfacade Jumper Cable	**UL** UL Compliant **CE** CE Compliant	**120_277** 120 Volts to 277 Volts	**0.84FT** 0.84 ft **2FT** 2 ft **5FT** 5 ft **10FT** 10 ft **25FT** 25 ft **50FT** 50 ft	**XC3P2D** 5x 16 AWG X-lock C-size [1] **XC3P3D** 3x 14AWG + 3x 24AWG X-lock C-size [2]	**180D** Straight Connector	**BK** Black **WH** White [3]

Notes:

1. Available for NO, PH, DIM or DALI, DALI T8 and LT control options for Lumenfacade Pure and Lumenfacade Max fixtures.
2. Available for DMX/RDM control option for Lumenfacade Max fixtures only.
3. Available for UL certification only.

d-series

D-Series DSXF2
LED Floodlight

Catalog Number

Notes

Type

Hit the Tab key or mouse over the page to see all interactive elements.

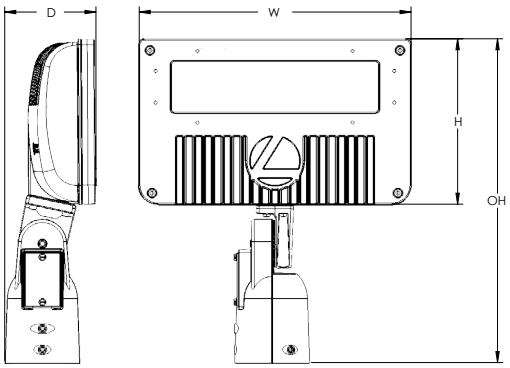
Introduction

The D-Series floodlights feature a site-wide offering to meet specifier's every floodlighting need in application. The D-Series flood offers three sizes delivering 3,000 to 27,000 lumens. Available with seven precision optics, three mountings and three color temperatures, D-Series floodlights offer vast design capabilities while delivering significant energy savings and long life.

The DSXF2 delivers 7,000 to 17,000 lumens, meeting a large breadth of illumination requirements for design and renovation when replacing 175W, 250W and 400W HID floodlights. All configurations are assembled in the USA allowing for quick delivery.

Specifications

EPA @ 90°:	0.8 ft² *(0.07 m²)*
Depth:	4.32" *(11.0 cm)*
Width:	12.87" *(32.7 cm)*
Height:	7.83" *(19.9 cm)*
Overall Height	15.33" *(39.0 cm)*
Weight:	12.0 lbs *(5.4 kg)*



design select

Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit www.acuitybrands.com/designselect.
*See ordering tree for details

Design Select options indicated by this color background.

Ordering Information

EXAMPLE: DSXF2 LED P1 40K 70CRI MSP MVOLT THK DDBXD

DSXF2 LED

Series	Performance Package	Color Temperature	CRI	Distribution		Voltage	Mounting
DSXF2 LED	P1	30K 3000K	70CRI	WFL Wide flood (6X6)	HMF Horizontal flood (6X4)	MVOLT ‡	**Shipped included**
	P2	40K 4000K		FL Flood (5X5)	MSP Medium spot (4X4)	347	THK Knuckle with 1/2" NPT threaded pipe
	P3	50K 5000K		MFL Medium flood (4X4)	NSP Narrow spot (3X3)	480	YKC62 Yoke with 2ft 16-3 SO cord
	P4 ‡			WFR Wide flood, rectangular (6X5)			IS Integral slipfitter (fits 2-3/8" O.D. tenon)

Options

Shipped installed

PE	Photocontrol, button style (MVOLT or 347V) ‡
DMG	0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately) ‡
SPD10KV	Separate surge protection
CCE	Coastal Construction ‡

Shipped separately

UBV	Upper/bottom visor (universal)
FV	Full visor
VG	Vandal guard

Finish (required)

DDBXD	Dark bronze
DBLXD	Black
DNAXD	Natural aluminum
DWHXD	White

Accessories

Ordered and shipped separately.

DSXF1/2TS DDBXD U	Slipfitter for 1-1/4" to 2-3/8" OD tenons; 1/2" THK required (specify finish)
FTS CG6 DDBXD U	Slipfitter for 2-3/8" to 2-7/8" OD tenons; YKC62 required (specify finish)
FRWB DDBXD U	Radius wall bracket, 2-3/8" OD tenon (specify finish)
FSPB DDBXD U	Steel square pole bracket, 2-3/8" OD tenon (specify finish)
DSXF2UBV DDBXD U	Upper/bottom visor accessory (specify finish)
DSXF2FV DDBXD U	Full visor accessory (specify finish)
DSXF2VG U	Vandal guard accessory

For more mounting options, visit our Floodlighting Accessories pages.

‡ Option Value Ordering Restrictions

Option Value	Restriction
CCE	Not compatible with DSXF1/2TS or FTS CG6 accessories.
DMG	Ships with 16-5 SO cord when ordered with YKC62 yoke.
MVOLT	Operates on line voltage from 120-277V.
P4	Not available with HMF, MFL, MSP and NSP optics.
PE	Requires MVOLT or 347V (not available in 480V).

Mountings

IS – Adjustable Slipfitter
(Fits 2-3/8" O.D. tenon)

YKC62 - Yoke with 16-3
SO cord, 2ft

THK - Threaded Knuckle with
1/2" NPT threaded pipe

External Shields

UBV Visor
Top Mounted

UBV Visor
Bottom Mounted

FV - Full Visor

Accessories

VG - Vandal Guard

DSXF1/2TS - THK
Slipfitter Accessory

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown within applicable tolerances. Actual performance may differ as a result of end-user environment and application. Actual wattage may differ by +/- 8% when operating between 120-480V +/- 10%. Contact factory for performance data on any configurations not shown here.

Performance Package	System Watts	Dist.Type	NEMA Type	Field Angle		Beam Angle		30K (3000K, 70 CRI)			40K (4000K, 70 CRI)			50K (5000K, 70 CRI)		
				°H	°V	°H	°V	Lumens	LPW	Max Cd	Lumens	LPW	Max Cd	Lumens	LPW	Max Cd
P1	52	WFL	6 X 6	109	106	83	87	7,353	140	3,777	7,489	143	3,847	7,625	145	3,917
		FL	5 X 5	94	93	68	69	7,290	139	5,804	7,426	142	5,912	7,561	144	6,019
		WFR	6 X 5	108	93	84	69	7,375	141	4,722	7,512	143	4,810	7,648	146	4,897
	64	HMF	6 X 4	125	65	96	54	7,576	119	6,204	7,850	123	6,428	7,774	122	6,365
		MFL	4 X 4	61	60	46	46	7,915	124	12,766	8,201	128	13,228	8,121	127	13,099
		MSP	4 X 4	51	52	27	30	8,138	128	29,618	8,433	132	30,690	8,351	131	30,391
		NSP	3 X 3	41	40	20	17	8,248	129	47,865	8,546	134	49,597	8,463	133	49,114
P2	75	WFL	6 X 6	109	106	83	87	10,161	135	5,219	10,349	138	5,316	10,538	140	5,142
		FL	5 X 5	94	93	68	69	10,192	136	6,526	10,262	137	8,169	10,448	139	8,318
		WFR	6 X 5	108	93	84	69	10,075	134	8,021	10,381	138	6,646	10,570	141	6,767
	80	HMF	6 X 4	125	65	96	54	8,963	113	7,340	9,288	117	7,605	9,197	115	7,531
		MFL	4 X 4	61	60	46	46	9,364	118	15,104	9,703	122	15,651	9,609	121	15,498
		MSP	4 X 4	51	52	27	30	9,629	121	35,043	9,977	125	36,310	9,880	124	35,957
		NSP	3 X 3	41	40	20	17	9,758	122	56,632	10,111	127	58,681	10,013	126	58,109
P3	93	WFL	6 X 6	109	106	83	87	12,054	130	6,191	12,278	132	6,306	12,501	135	6,421
		FL	5 X 5	94	93	68	69	11,952	129	9,515	12,173	131	9,691	12,395	133	9,868
		WFR	6 X 5	108	93	84	69	12,091	130	7,741	12,315	133	7,885	12,539	135	8,028
	100	HMF	6 X 4	125	65	96	54	10,487	105	8,588	10,867	109	8,898	10,761	108	8,812
		MFL	4 X 4	61	60	46	46	10,956	110	17,672	11,353	114	18,311	11,242	113	18,133
		MSP	4 X 4	51	52	27	30	11,266	113	41,000	11,674	117	42,483	11,560	116	42,070
		NSP	3 X 3	41	40	20	17	11,417	114	66,260	11,830	119	68,657	11,715	117	67,988
P4	145	WFL	6 X 6	109	106	83	87	17,104	118	8,785	17,421	120	8,948	17,738	123	9,110
		FL	5 X 5	94	93	68	69	16,959	117	13,501	17,273	119	13,751	17,587	122	14,001
		WFR	6 X 5	108	93	84	69	17,156	119	10,984	17,473	121	11,188	17,791	123	11,391

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient Temperature		Lumen Multiplier (Optics WFL, FL, WFR)	Lumen Multiplier (Optics HMF, MFL MSP, NSP)
0°C	32°F	1.04	1.06
5°C	41°F	1.04	1.05
10°C	50°F	1.03	1.04
15°C	59°F	1.02	1.03
20°C	68°F	1.01	1.01
25°C	**77°F**	**1.00**	**1.00**
30°C	86°F	0.99	0.99
35°C	95°F	0.98	0.97
40°C	104°F	0.97	0.96

Reported LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a 25°C ambient and hours of LED testing (tested per IESNA LM-80-08 and reported per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Optic Type	Performance Package	TM-21 Percent Lumen Maintenance at 60,000 hrs
WFL, FL, WFR	P1 / P2 / P3 / P4	85%
MFL, HMF, MSP, NSP	P1 / P2 / P3	88%

Electrical Load

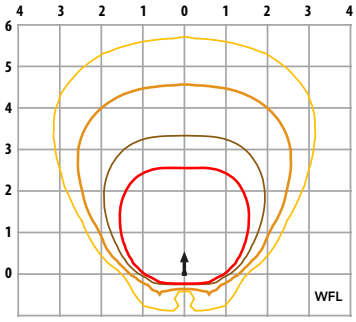
			Current (A)					
	Performance Package	System Watts (W)	120V	208V	240V	277V	347V	480V
Optic Type WFL, FL, WFR	P1	52	0.45	0.26	0.23	0.20	0.16	0.12
	P2	75	0.63	0.36	0.31	0.27	0.22	0.16
	P3	93	0.77	0.45	0.38	0.33	0.27	0.20
	P4	145	1.18	0.68	0.59	0.51	0.41	0.30
Optic Type HMF, MFL, MSP, NSP	P1	64	0.54	0.31	0.27	0.23	0.19	0.14
	P2	80	0.67	0.39	0.34	0.29	0.24	0.17
	P3	100	0.85	0.49	0.42	0.36	0.29	0.21

Photometric Diagrams

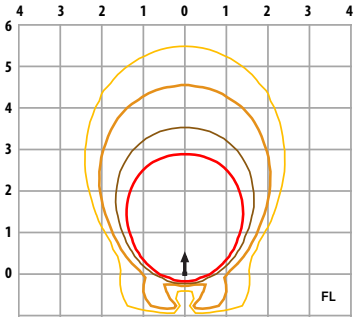
To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's D-Series Flood Size 2 homepage.

Isofootcandle plots for DSXF2. Distances are in units of mounting height (20ft).

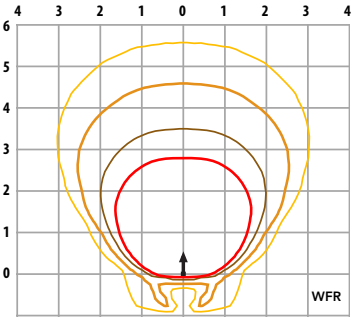
LEGEND
- 0.1 fc
- 0.25 fc
- 0.5 fc
- 1.0 fc



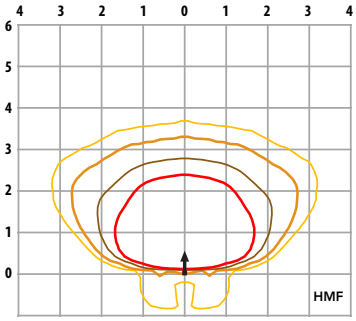
DSXF2 LED P4 40K - Tilted at 45°



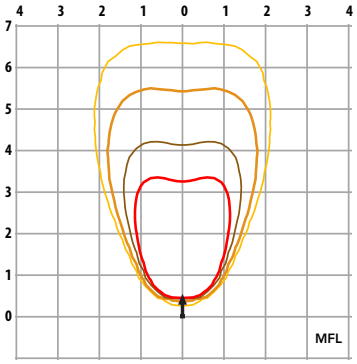
DSXF2 LED P4 40K - Tilted at 45



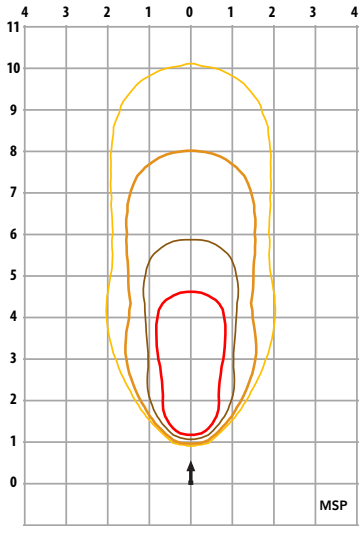
DSXF2 LED P4 40K - Tilted at 45



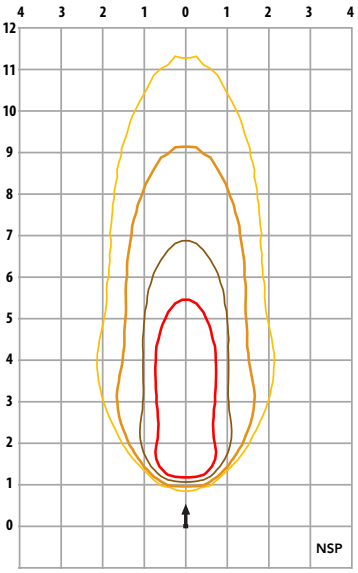
DSXF2 LED P3 40K - Tilted at 45



DSXF2 LED P3 40K - Tilted at 60



DSXF2 LED P3 40K - Tilted at 80



DSXF2 LED P3 40K - Tilted at 80

MH = 20ft
Grid = 20ft x 20ft

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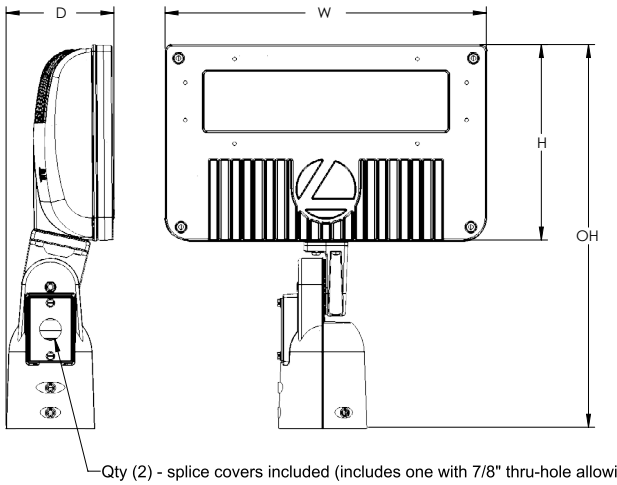
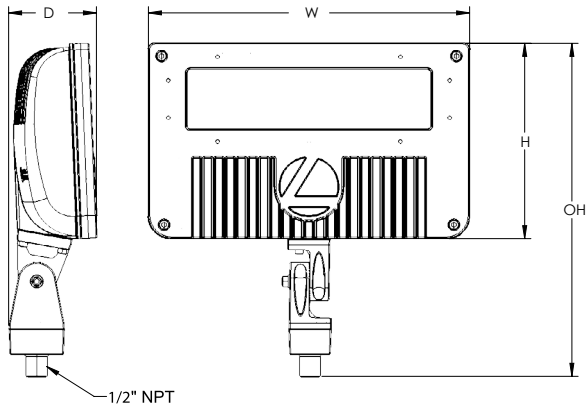
Dimensions

Adjustable Slipfitter (IS)



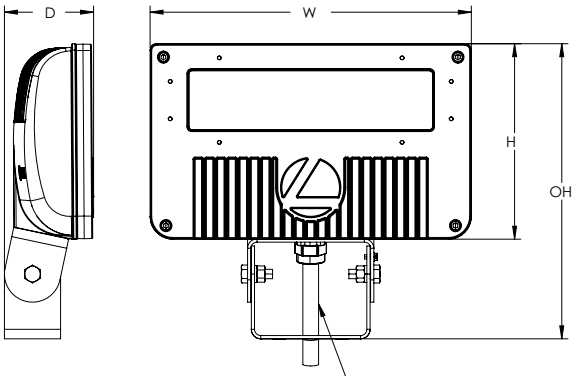
Width: 12.87" (32.7 cm)
Depth: 4.32" (11.0 cm)
Height: 7.83" (19.9 cm) main body
Overall:15.33" (39.0 cm) with arm
Weight: 12 lbs

Threaded Knuckle (THK)



Width: 12.87" (32.7 cm)
Depth: 3.52" (8.9 cm)
Height: 7.83" (19.9 cm) main body
Overall:13.34" (33.9 cm) with arm
Weight: 10.5 lbs

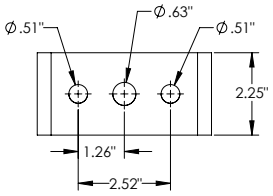
Yoke (YKC62)



Width: 12.87" (32.7 cm)
Depth: 3.57" (9.0 cm)
Height: 7.83" (19.9 cm) main body
Overall:11.82" (30.0 cm) with arm
Weight: 10.5 lbs

Note: Standard cord is 16-3 wire, 2 ft cord. Other lengths can be specified.
Ex: YKC62
YK = Yoke Mount
C6 = 16 gage, 3 wire cord
2 = 2 feet (5 = 5ft, 6 = 6ft, etc.)

Yoke (YK) Mounting Detail



Pole Mounting Information

Accessories including bullhorns, cross arms and other adapters are available. For the complete line of accessories available, visit the accessories tab at Lithonia's Outdoor Poles and Arms product page. Click here to visit Accessories.

FEATURES & SPECIFICATIONS

INTENDED USE
The sleek and compact design of the D-Series floodlights reflects the embedded high performance LED technology while offering a clean aesthetic suitable for specification and general purpose floodlighting applications. Three sizes are available with seven precision optics allowing for maximum design versatility. DSXF2 delivers 7,000 to 17,000 lumens and is ideal for commercial lighting applications including new construction and replacing 175W, 250w and 400W HID floodlights. DSXF2 is ideal for area, security, facade, flagpole and signage lighting applications.

CONSTRUCTION
The DSXF2 LED floodlight features rugged die-cast aluminum construction with integral heat sink fins that optimize thermal management through conductive and convective cooling. The LED driver is mounted in direct contact with the casting to promote low operating temperature and long life. The housing and lens frame are completely sealed against moisture and environmental contaminants providing an IP66 rating. Low EPA (0.8 ft2) for optimized wind loading. DSXF2 is 1.5G vibration rated per ANSI C136.31.

FINISH
Exterior painted parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Standard Super Durable colors include dark bronze, black, natural aluminum, and white. Available in textured and non-textured finishes.

COASTAL CONSTRUCTION (CCE)
Optional corrosion resistant construction is engineered with added corrosion protection in materials and/or pre-treatment of base material under super durable paint. Provides additional corrosion protection for applications near coastal areas. Finish is salt spray tested to over 5,000 hours per ASTM B117 with scribe rating of 10. Additional lead-times may apply.

OPTICS
Seven unique precision-molded vacuum-metalized specular reflectors are engineered for superior field-to-beam ratios, uniformity and spacing. Light engines are available in 3000K, 4000K or 5000K (minimum 70 CRI) configurations. Optional visors offer additional versatility when shielding is required.

ELECTRICAL
Light engines consist of chip-on-board (COB) LEDs directly coupled to the housing to maximize heat dissipation and promote long life. LED lumen maintenance is L85/60,000 hours for WFL, FL and WFR optics and L88/60,000 hours for HMF, MFL, MSP and NSP optics. Class 1 electronic 0-10V continuous dimmable drivers ensure system power factor. 90% and THD <20%. Optional 10kV surge protection device meets a minimum Category C low operation (per ANSI/IEEE C62.41.2).

INSTALLATION
The die-cast integral "IS" mount features an adjustable slipfitter that mounts on a 2 3/8" OD tenon. Includes integral splice compartment offering easy installation and wiring. An extra cover plate with 7/8" through hole is provided to accommodate 1/2" water-tight fitting for power run from outside of the tenon. The "THK" adjustable knuckle mount includes a 1/2-14 NPT pipe thread. A steel yoke "YK" mount is available and includes a water tight cord grip and cord. DSXF2 features a glass lens enclosure that is protected to IP66 and is rated for lighting aimed up above 90°. Suitable for mounting within 4 feet of ground.

CONTROLS
DSXF2 features MVOLT (120-277V) and 347V button photocontrol.

LISTINGS
CSA Certified to meet U.S. and Canadian standards. Suitable for wet locations. Rated for -40°C minimum ambient.

DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

GOVERNMENT PROCUREMENT
BAA – Buy America(n) Act: Product qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product also qualifies as manufactured in the United States under DOT Buy America regulations.
BABA – Build America Buy America: Product qualifies as produced in the United States under the definitions of the Build America, Buy America Act.
Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY
5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at:
www.acuitybrands.com/support/warranty/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application.
All values are design or typical values, measured under laboratory conditions at 25 °C.
Specifications subject to change without notice.

Catalog Number	
Notes	
Type	

FEATURES & SPECIFICATIONS

INTENDED USE — For metal, fiberglass or concrete poles. Not for use with existing concrete poles.

CONSTRUCTION — Body is constructed from A500 Grade B steel tubing. Welding follows industry standards best practices. Bracket is galvanized (per ASTM A-123) or painted after fabrication.

FINISH — Extra durable standard powder-coat finishes include Dark Bronze, White, Black, and Natural Aluminum colors. Architectural Colors and Special Finishes are available by quote and include, but are not limited to Hot-dipped Galvanized, Paint over Hot-dipped Galvanized, RAL Colors, Custom Colors and Extended Warranty Finishes. Factory-applied primer paint finish is available for customer field-paint applications.

INSTALLATION — Mounting hardware and back-up plate are included for use with existing Lithonia Lighting standard drilling. Installer to provide hardware for through-bolting based on pole size and type. Drilling pattern in channel plate matches Lithonia Lighting standard drill pattern, Template #5.

WARRANTY — 1-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/support/customer-support/terms-and-conditions

NOTE: Actual performance may differ as a result of end-user environment and application.

Specifications subject to change without notice.

Right Angle Arm

FSPB

STEEL (FSPB) RIGHT ANGLE TENON ARM

(See next page for dimensions and drawings.)

ORDERING INFORMATION Lead times will vary depending on options selected. Consult with your sales representative.

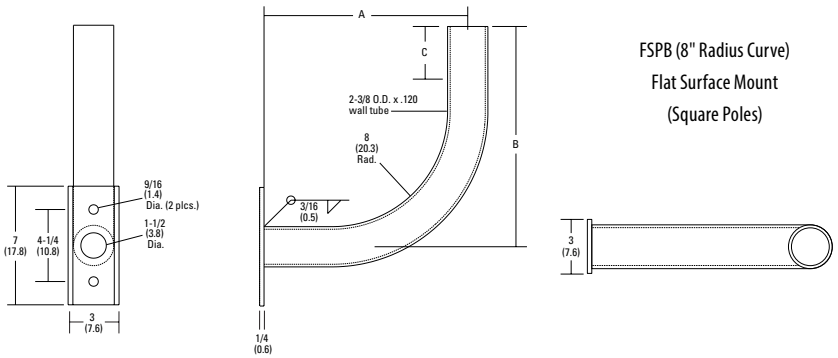
Example: FSPB 14-8 GALV

FSPB			
Series	**Tenon reach/rise[1]**	**Pole shape**	**Finish[4]**
FSPB	(blank) 12" x 13" (8" radius curve) 8-8 8" x 8" (90° angle) 14-8 14" x 8" (90° angle)	(blank) Square[2] RND Round[3]	Super durable colors DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white Other finishes GALV Galvanized steel Primer finish DPRM Red primer Architectural colors and special finishes Paint over galvanized, RAL colors, custom colors and extended warranty finishes available.

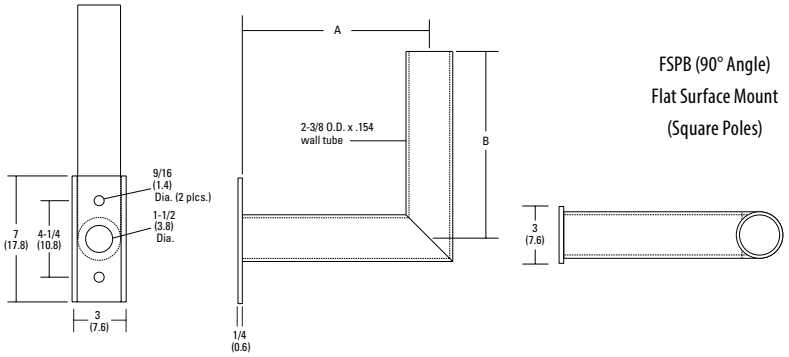
NOTES:

1. Other tenon reaches and rises available, consult factory.
2. Mounting plate is flat.
3. Mounting is channel.
4. Finish must be specified. Additional colors available; see Architectural Colors brochure linked here (Form No. 794.3).

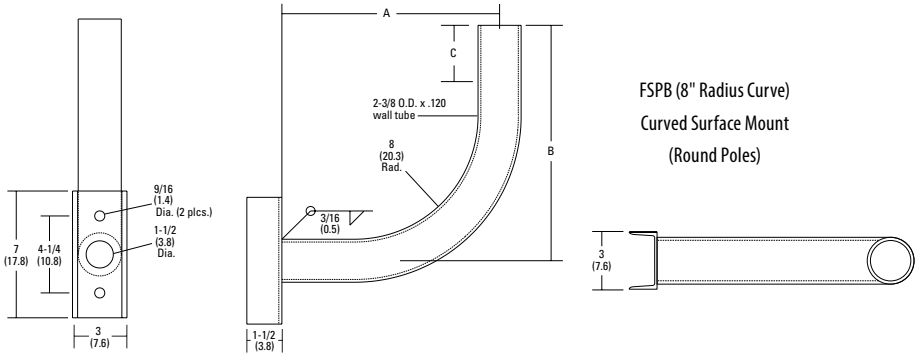
FSPB Right Angle Tenon; Metal, Fiberglass or Concrete Poles



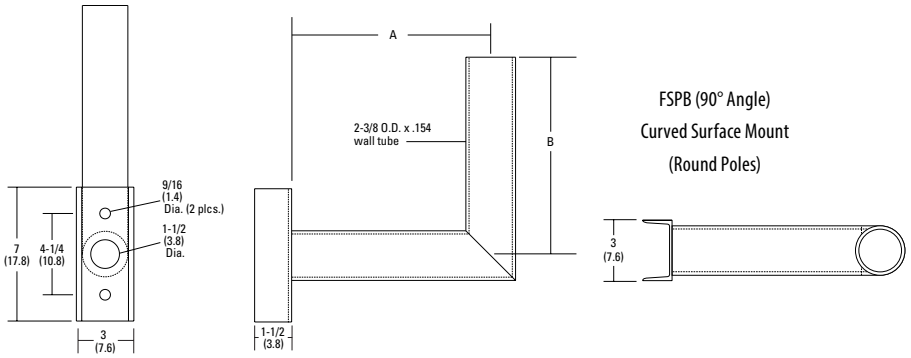
FSPB (8" Radius Curve)
Flat Surface Mount
(Square Poles)



FSPB (90° Angle)
Flat Surface Mount
(Square Poles)



FSPB (8" Radius Curve)
Curved Surface Mount
(Round Poles)



FSPB (90° Angle)
Curved Surface Mount
(Round Poles)

FSPB (Right Angle Tenon) - TECHNICAL INFORMATION											
Lithonia Lighting catalog number	Nominal arm length (ft.)	Dimensions (inches)			Bracket EPA	Bracket weight (lbs.)	Max Per Fixture EPA with AASHTO 2013			Max. per fixture weight (lbs.)	Max Mounting Height (ft)
		A	B	C			100MPH	120MPH	150MPH		
FSPB	1	12	13	2-5/8	0.4	10	8.0	8.0	5.6	85	50
FSPB 8-8	2/3	8	8	—	0.3	8	8.0	8.0	5.6	85	50
FSPB 14-8	1-1/4	14	8	—	0.4	10	8.0	8.0	5.6	85	50

IMPORTANT:

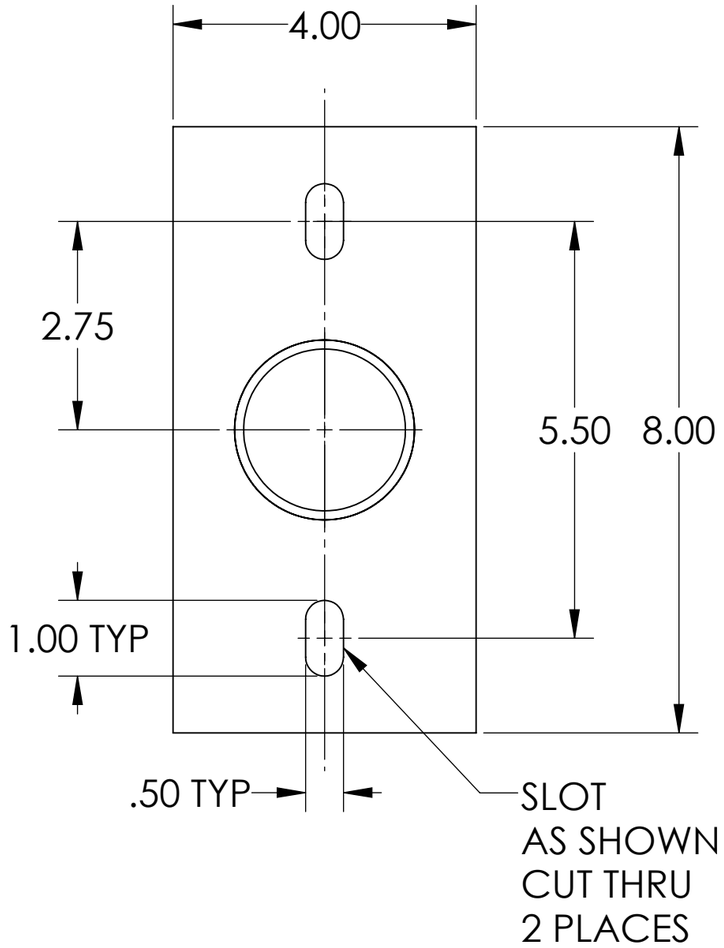
- These specifications are intended for general purposes only. Lithonia Lighting reserves the right to change material or design, without prior notice, in a continuing effort to upgrade its products.

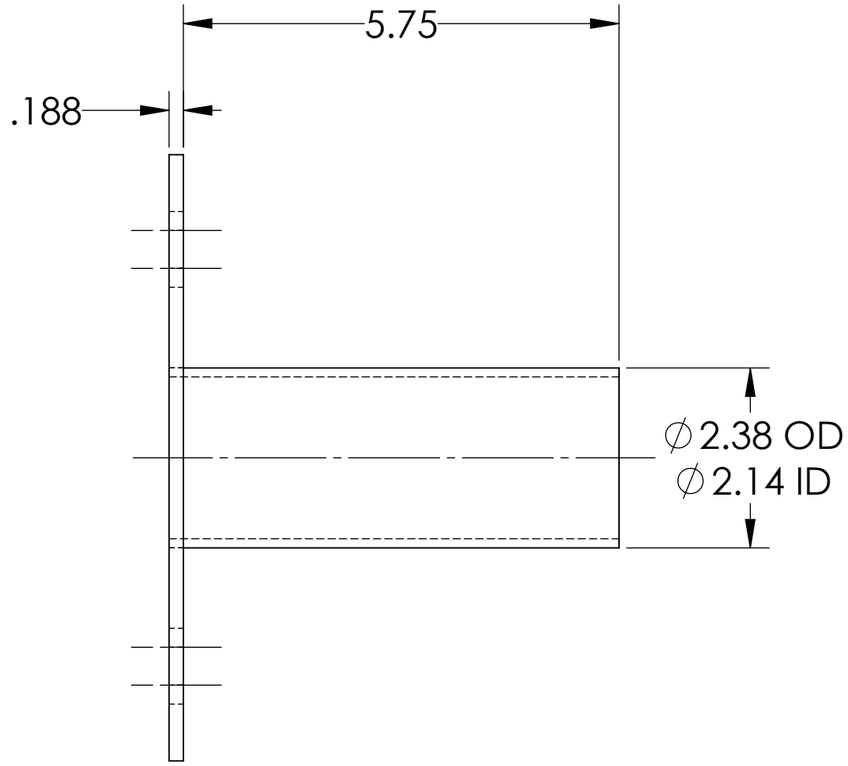
CAUTION:

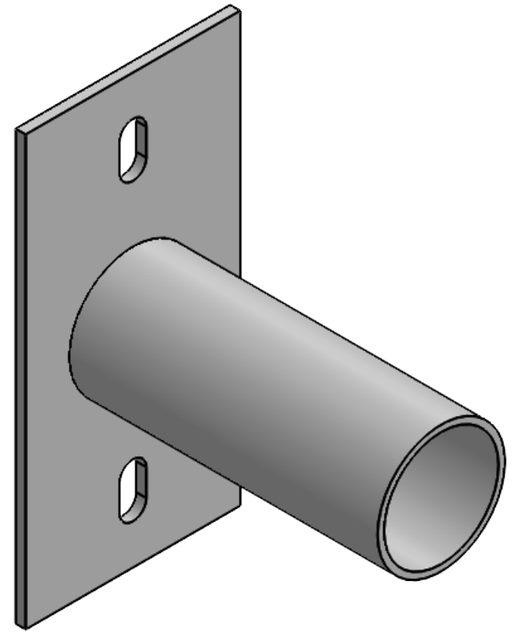
- The arms described herein are designed for applications in areas of normal winds. Consult the factory prior to the design of systems to be mounted on structures such as bridges or buildings, or areas known to have abnormal winds such as airports or coastal areas. Failure to consider these factors in the system design could result in the failure of the pole or mast arm, and consequently personal injury or property damage.

OUTDOOR: One Lithonia Way Conyers, GA 30012 Phone: 1-800-705-SERV (7378) www.lithonia.com

 Rev. 12/09/21







All dimensions and specifications are subject to change without any notice.

NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED:

DIMENSIONS ARE IN INCHES
TOLERANCES:
FRACTIONAL ± 1/64
ANGULAR: ± 0.5°
TWO PLACE DECIMAL ±0.01
THREE PLACE DECIMAL ±0.005

INTERPRET GEOMETRIC TOLERANCING PER:

MATERIAL
STEEL

FINISH

DO NOT SCALE DRAWING

	NAME	DATE
DRAWN	MKA	10-29-20
ENG APPR.		
MFG APPR.		
Q.A.		

Energy Light, Inc.
1881 Rose Road
Lake Zurich, IL 60047

TITLE:

Side Tenon for Square Poles

SIZE	ITEM NO.	REV
B	10077	

SCALE: 1:2 | WEIGHT: 3.2 lbs | SHEET 1 OF 1