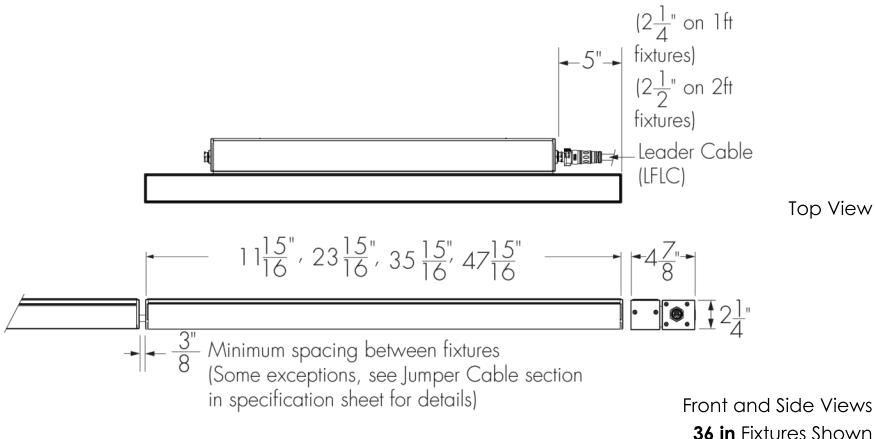


Project Name	Qty
Type	Catalog / Part Number



## Photometric Summary (22 W/ft)

### Symmetric

	Delivered Output (lm)	Intensity (Peak cd)
8°x8°	7,602	263,370
10°x10°	7,546	177,057
10°x30°	7,389	53,191
10°x60°	8,235	34,119
10°x90°	7,622	16,605
30°x30°	7,247	20,690
30°x60°	7,209	10,898
30°x90°	6,667	7,599
60°x60°	7,151	6,492
90°x90°	6,983	4,331
30°x10°	7,025	46,242
60°x10°	7,296	29,035
60°x30°	7,166	12,296
90°x10°	6,948	16,830
W (120°)	5,623	1,933

### Asymmetric

NAS	7,024	93,225
WW	6,710	11,503
CAS	5,606	10,839

<sup>1</sup> Based on 4000K, [mm][1218mm], DMX/RDM control.

<sup>2</sup> Photometric performance is measured in compliance with IESNA LM-79-24.

<sup>3</sup> 8x8, 10x10, 10x30, 10x60, 10x90, 30x30, 30x60, 30x90, 60x60, 90x90, 30x10, 60x10, 60x30, 90x10, W and CAS optics tested with CL lens. NAS and WW optics tested with HFR lens.

<sup>4</sup>

Refer to the [Lumenfacade Max White and Static Colors Photometric Guide](#) on Lumenpulse website for information on other color temperatures.

## Description

The Lumenfacade Max Continuous Horizontal supplies you with beautiful, clean white light and static colour through our in-house designed optics that can compliment the Lumenfacade Pure while supplying extra features and higher output.

### Features

#### Length (Nominal)

**12:** 12 in, **24:** 24 in, **36:** 36 in, **48:** 48 in

#### Color and Color Temperature

**22K:** 2200K  
**27K:** 2700K  
**30K:** 3000K  
**35K:** 3500K  
**40K:** 4000K  
**RD:** Red  
**GR:** Green  
**BL:** Blue  
**AMB:** Phosphor Converted Amber (PC Amber)

#### Vibration Rating

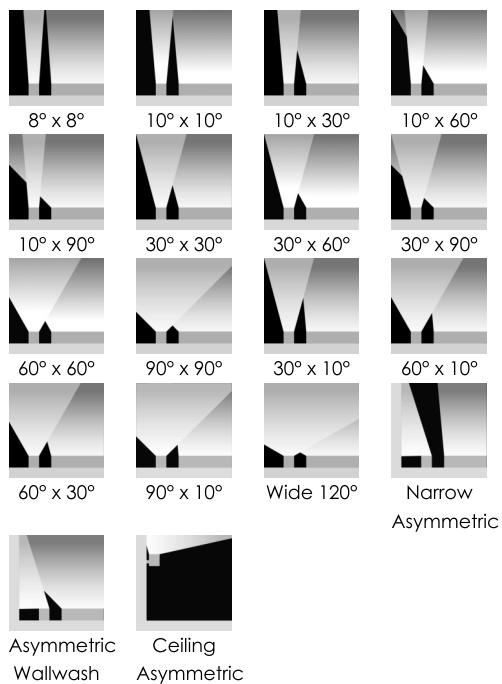
**NVR:** Buildings and Fixed Structures  
**VRN:** Pole-Mounts  
**VRBO:** Bridges and Overpasses

#### Fixed Mounting Options

**FXH:** Fixed Mounting Horizontal (0° Pivot Limit)

#### Continuously Adjustable Mounting Options

<b>SMH:</b> Slim Adjustable Mounting Horizontal Continuously Adjustable (100° Pivot Limit)	<b>WMCH3:</b> Wall Mounting Horizontal Continuously Adjustable, 3.5 in to Optical Center (120° Pivot Limit)
<b>WMCH6:</b> Wall Mounting Horizontal Continuously Adjustable, 6 in to Optical Center (180° Pivot Limit)	<b>WMCH12:</b> Wall Mounting Horizontal Continuously Adjustable, 12 in to Optical Center (180° Pivot Limit)
<b>WMCH18:</b> Wall Mounting Horizontal Continuously Adjustable, 18 in to Optical Center (180° Pivot Limit)	<b>WMCH24:</b> Wall Mounting Horizontal Continuously Adjustable, 24 in to Optical Center (180° Pivot Limit)

**Optic****Color and Color Temperature****Control**

ON/OFF	0-10V	DALI 2 T6	lumen <sup>talk</sup>
DMX/RDM	extend <sup>X</sup>		

**Incrementally Adjustable Mounting Options**

**WMiH3:** Wall Mounting  
Horizontal Incrementally Adjustable by 6°, 3.5 in to Optical Center (120° Pivot Limit)

**WMiH12:** Wall Mounting  
Horizontal Incrementally Adjustable by 6°, 12 in to Optical Center (180° Pivot Limit)

**WMiH24:** Wall Mounting  
Horizontal Incrementally Adjustable by 6°, 24 in to Optical Center (180° Pivot Limit)

**WMiH6:** Wall Mounting  
Horizontal Incrementally Adjustable by 6°, 6 in to Optical Center (180° Pivot Limit)

**WMiH18:** Wall Mounting  
Horizontal Incrementally Adjustable by 6°, 18 in to Optical Center (180° Pivot Limit)

**Optical Accessories**

**LV:** Radial Louver  
**LVAS:** Radial Louver Asymmetric  
**VS:** Visor

**Warranty**

5-year limited warranty

**Performance****Maximum Delivered Output**

2,816 lm  
(6 W/ft, 48 in fixture, 4000K CRI 80+, 10° x 60°, CL Lens, DMX/RDM)

4,958 lm  
(10 W/ft, 48 in fixture, 4000K CRI 80+, 10° x 60°, CL Lens, DMX/RDM)

8,235 lm  
(22 W/ft, 48 in fixture, 4000K CRI 80+, 10° x 60°, CL Lens, DMX/RDM)

**Maximum Delivered Intensity**

90,070 cd at nadir  
(6 W/ft, 48 in fixture, 4000K CRI 80+, 8° x 8°, CL Lens, DMX/RDM)

158,579 cd at nadir  
(10 W/ft, 48 in fixture, 4000K CRI 80+, 8° x 8°, CL Lens, DMX/RDM)

263,370 cd at nadir  
(22 W/ft, 48 in fixture, 4000K CRI 80+, 8° x 8°, CL Lens, DMX/RDM)

**Illuminance at Distance**

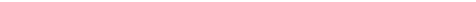
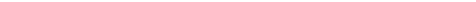
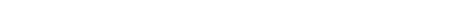
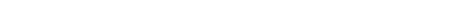
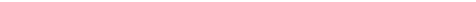
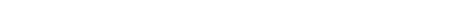
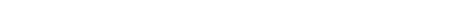
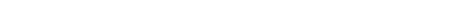
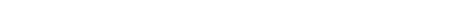
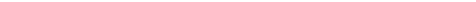
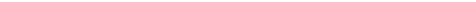
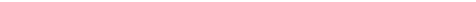
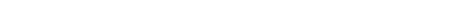
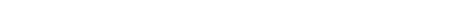
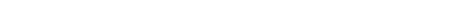
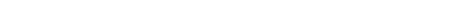
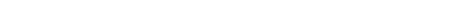
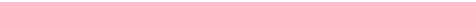
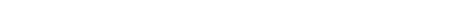
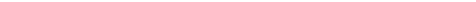
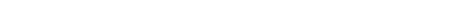
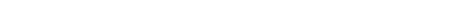
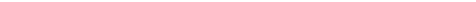
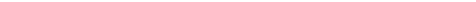
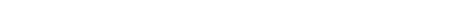
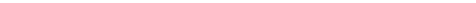
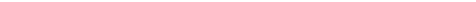
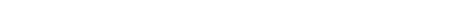
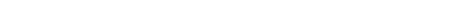
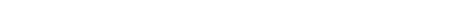
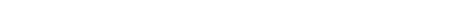
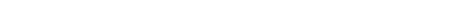
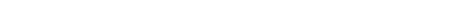
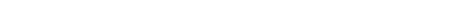
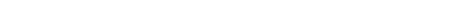
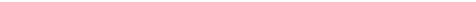
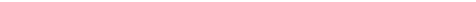
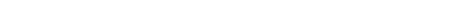
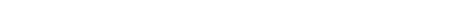
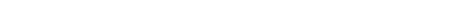
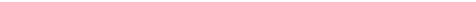
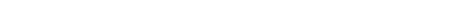
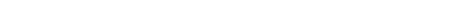
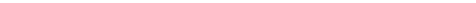
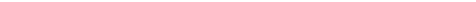
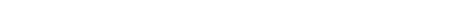
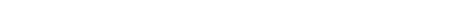
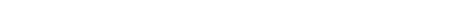
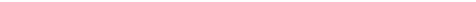
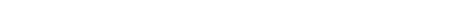
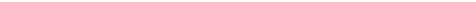
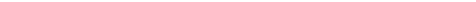
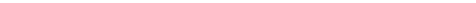
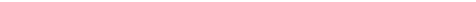
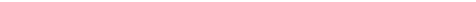
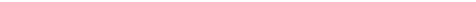
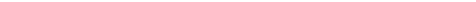
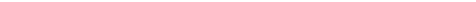
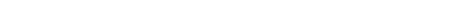
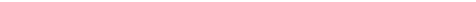
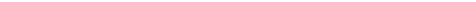
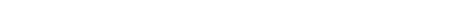
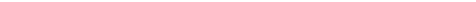
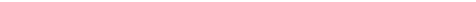
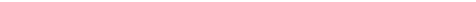
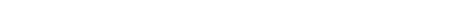
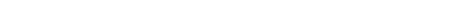
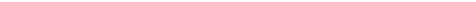
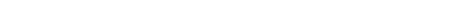
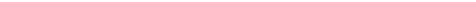
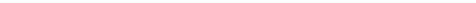
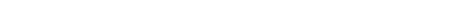
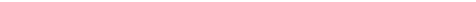
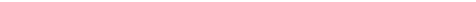
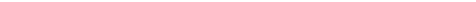
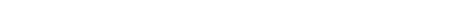
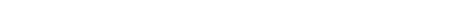
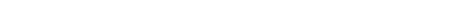
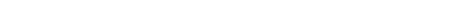
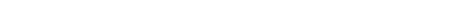
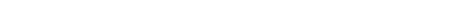
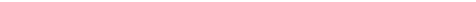
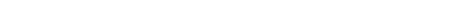
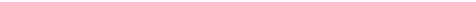
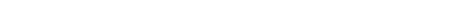
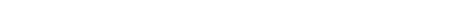
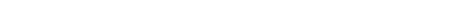
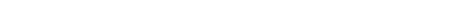
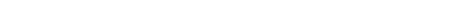
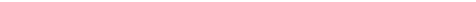
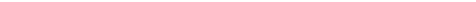
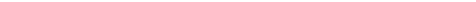
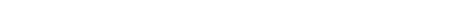
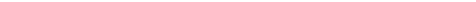
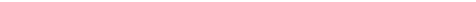
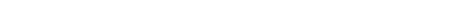
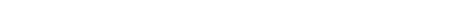
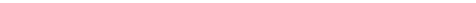
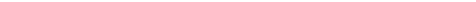
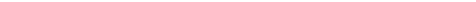
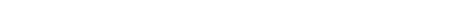
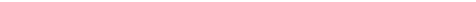
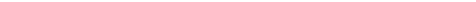
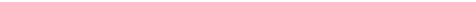
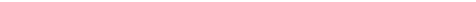
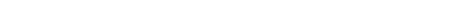
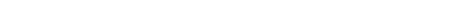
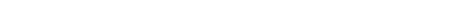
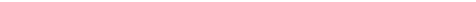
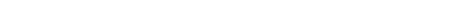
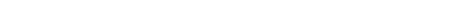
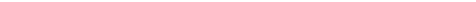
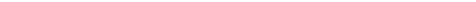
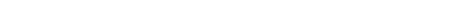
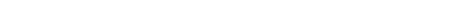
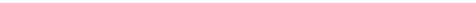
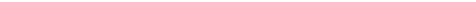
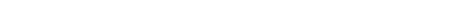
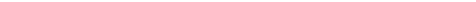
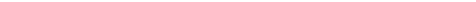
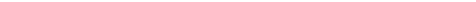
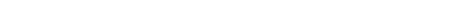
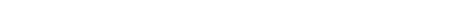
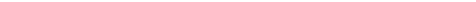
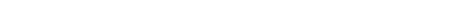
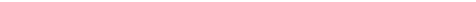
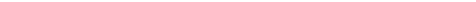
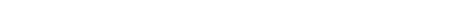
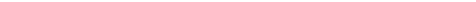
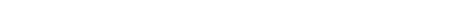
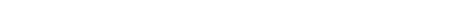
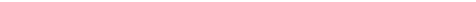
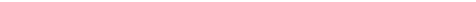
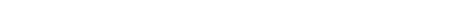
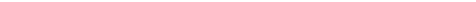
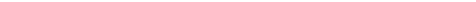
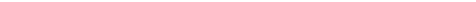
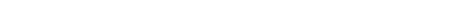
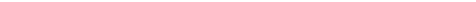
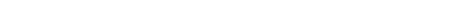
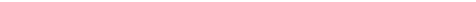
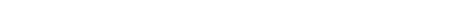
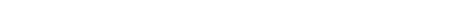
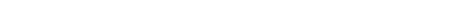
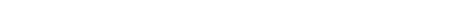
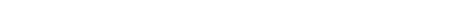
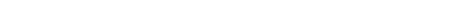
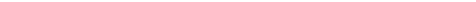
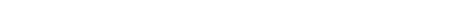
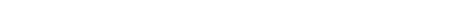
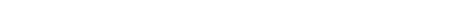
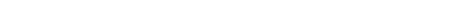
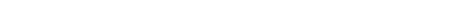
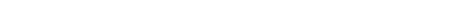
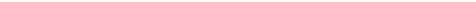
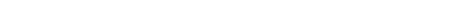
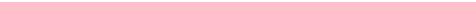
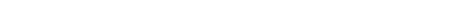
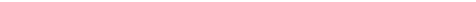
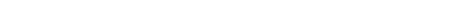
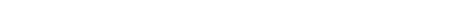
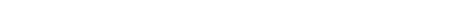
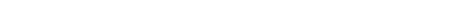
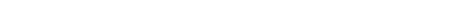
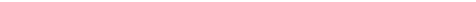
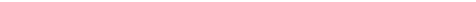
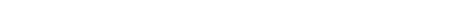
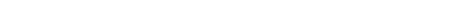
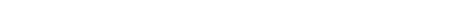
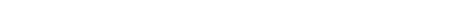
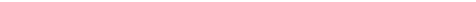
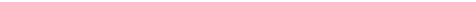
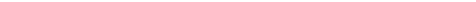
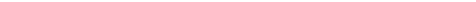
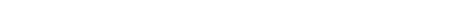
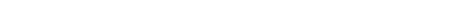
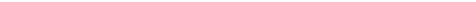
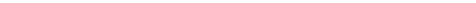
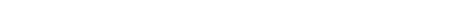
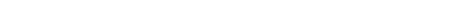
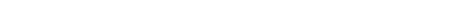
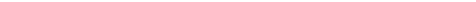
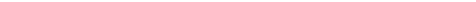
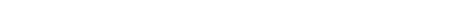
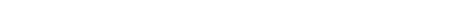
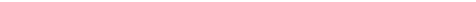
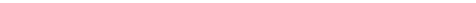
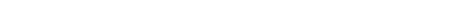
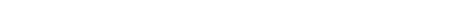
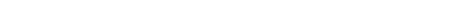
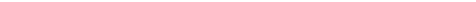
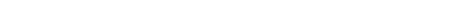
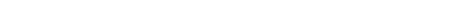
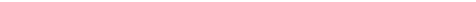
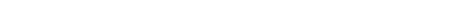
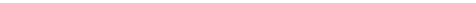
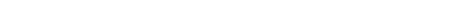
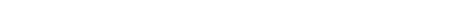
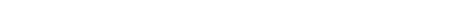
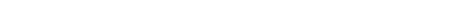
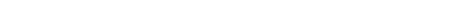
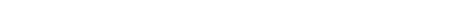
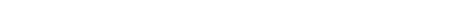
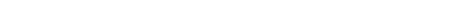
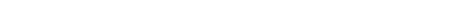
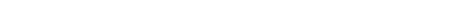
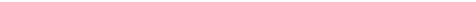
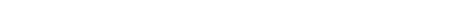
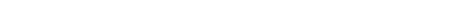
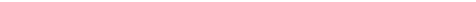
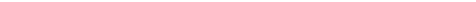
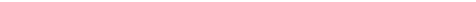
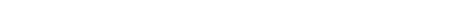
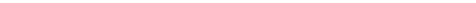
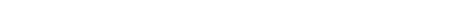
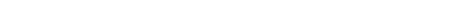
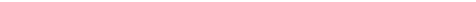
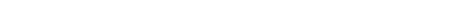
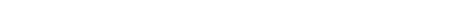
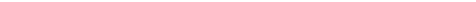
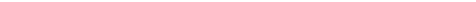
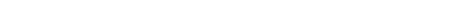
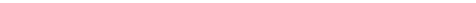
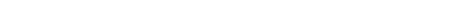
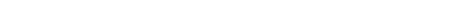
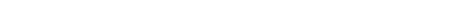
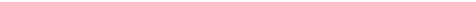
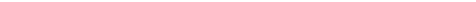
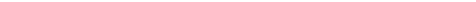
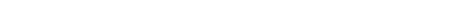
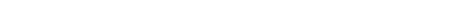
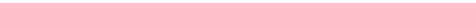
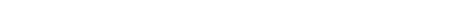
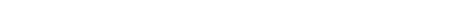
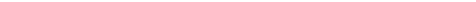
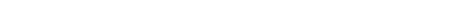
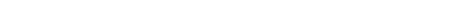
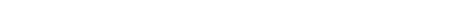
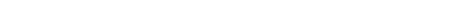
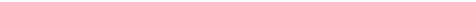
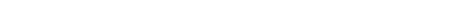
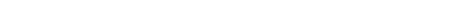
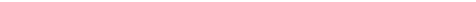
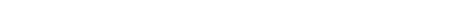
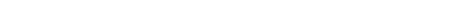
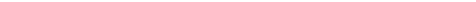
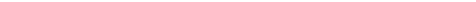
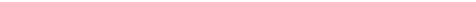
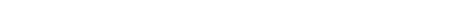
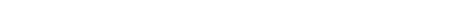
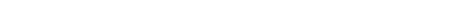
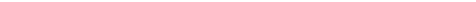
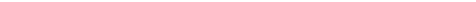
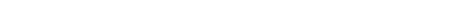
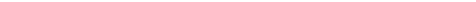
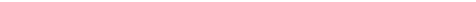
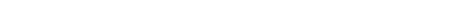
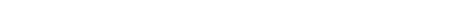
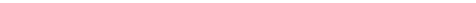
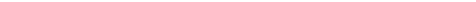
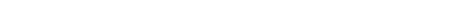
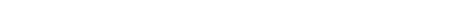
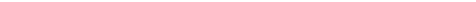
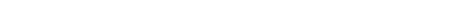
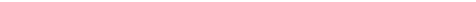
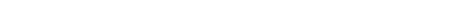
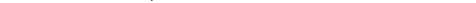
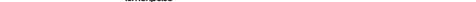
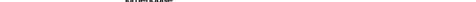
Minimum 1 fc at 300 ft  
(6 W/ft, 48 in fixture, 4000K CRI 80+, 8° x 8°, CL Lens, DMX/RDM)

Minimum 1 fc at 398 ft  
(10 W/ft, 48 in fixture, 4000K CRI 80+, 8° x 8°, CL Lens, DMX/RDM)

Minimum 1 fc at 513 ft  
(22 W/ft, 48 in fixture, 4000K CRI 80+, 8° x 8°, CL Lens)

**Color Consistency**

2 SDCM

**Finish****Certifications**

<b>Inrush Current (Peak)</b>	Meets NEMA-410 requirements (Based on voltage and control specifications, consult factory for details)
<b>Environmental</b>	
<b>Storage Temperature</b>	-40 °F to 185 °F
<b>Start-up Temperature</b>	-40 °F to 122 °F
<b>Operating Temperature</b>	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: -40 °F to 104 °F
<b>Ingress Protection Rating</b>	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
<b>Impact Resistance Rating</b>	IK07 (CL lens), IK07 (HFR lens), IK06 (FR lens) Consult factory for IK08 lens option
<b>Application Wind Speed</b>	Luminaires were designed based on AASHTO 2013 standard to ensure highest quality and safety. Installation should be validated by a local project engineer to ensure the luminaires are suitable for the wind speed and exposure of the specific application
<b>Environment</b>	Wet location rating

### Accessories (Order Separately)

<b>Cables</b>	<b>LFLC:</b> Lumenfacade Leader Cable <b>LFJC:</b> Lumenfacade Jumper Cable <b>LFTJ:</b> Lumenfacade T-Junction
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### Important

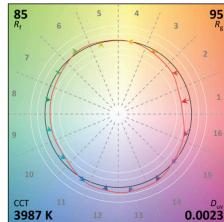
#### Virtual Patent Marking Notice

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.

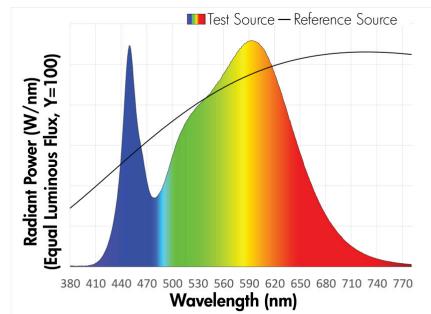
### Chromaticity Data

#### TM-30 - 4000K

CCT	CIE		TM-30	
4000K	$R_a$	82	85	$R_f$
	$R_g$	3	95	$R_g$



#### Spectral Power Distribution



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

## Photometric Information

## 6 W/ft (3000K)

## Symmetric

	Delivered Output (lm)	Intensity (Peak cd)
8°x8°	2,410	83,495
10°x10°	2,392	56,131
10°x30°	2,342	16,863
10°x60°	2,611	10,816
10°x90°	2,416	5,264
30°x30°	2,297	6,559
30°x60°	2,285	3,455
30°x90°	2,113	2,409
60°x60°	2,267	2,058
90°x90°	2,214	1,373
30°x10°	2,227	14,660
60°x10°	2,313	9,205
60°x30°	2,272	3,898
90°x10°	2,203	5,335
W (120°)	1,783	613

## Asymmetric

NAS	2,227	29,554
WW	2,127	3,647
CAS	1,777	3,436

Based on 3000K, 48 in, DMX/RDM control configuration.

## 10 W/ft (3000K)

## Symmetric

	Delivered Output (lm)	Intensity (Peak cd)
8°x8°	4,243	147,002
10°x10°	4,212	98,826
10°x30°	4,124	29,689
10°x60°	4,596	19,044
10°x90°	4,254	9,268
30°x30°	4,045	11,548
30°x60°	4,024	6,083
30°x90°	3,721	4,241
60°x60°	3,992	3,624
90°x90°	3,898	2,417
30°x10°	3,921	25,810
60°x10°	4,072	16,206
60°x30°	4,000	6,863
90°x10°	3,878	9,394
W (120°)	3,139	1,079

## Asymmetric

NAS	3,921	52,034
WW	3,745	6,421
CAS	3,129	6,050

Based on 3000K, 48 in, DMX/RDM control configuration.

## 22 W/ft (3000K)

## Symmetric

	Delivered Output (lm)	Intensity (peak cd)
8°x8°	7,047	244,144
10°x10°	6,996	164,132
10°x30°	6,849	49,308
10°x60°	7,634	31,628
10°x90°	7,065	15,393
30°x30°	6,718	19,180
30°x60°	6,683	10,102
30°x90°	6,180	7,044
60°x60°	6,629	6,018
90°x90°	6,473	4,014
30°x10°	6,512	42,866
60°x10°	6,763	26,915
60°x30°	6,643	11,398
90°x10°	6,440	15,601
W (120°)	5,213	1,792

## Asymmetric

NAS	6,511	86,419
WW	6,220	10,664
CAS	5,197	10,048

Based on 3000K, 48 in, DMX/RDM control configuration.

## 6 W/ft (4000K)

## Symmetric

	Delivered Output (lm)	Intensity (Peak cd)
8°x8°	2,600	90,070
10°x10°	2,581	60,552
10°x30°	2,527	18,191
10°x60°	2,816	11,668
10°x90°	2,607	5,679
30°x30°	2,478	7,076
30°x60°	2,465	3,727
30°x90°	2,280	2,599
60°x60°	2,446	2,220
90°x90°	2,388	1,481
30°x10°	2,402	15,814
60°x10°	2,495	9,930
60°x30°	2,451	4,205
90°x10°	2,376	5,756
W (120°)	1,923	661

## Asymmetric

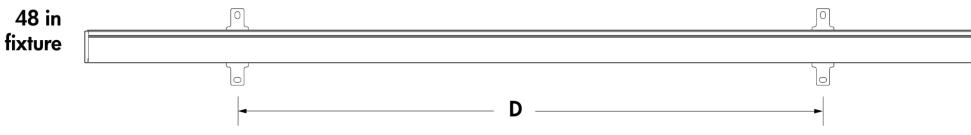
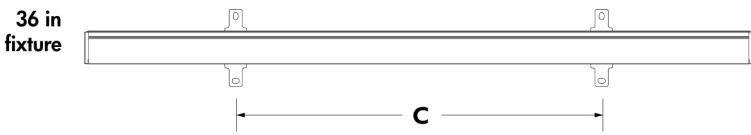
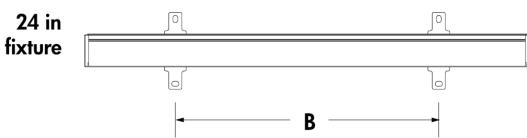
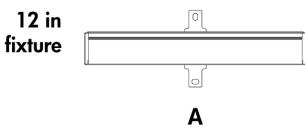
NAS	2,402	31,882
WW	2,295	3,934
CAS	1,917	3,707

Based on 4000K, 48 in, DMX/RDM control configuration.

Photometric performance is measured in compliance with IESNA LM 79-08.

8x8, 10x10, 10x30, 10x60, 10x90, 30x30, 30x60, 30x90, 60x60, 90x90, 30x10, 60x10, 60x30, 90x10, W and CAS optics tested with CL lens. NAS and WW optics tested with HFR lens.

## Mounting Bracket Placement (Minimum and Maximum Distances)



Front view

## 22 W/ft (4000K)

## Symmetric

	Delivered Output (lm)	Intensity (Peak cd)
8°x8°	7,602	263,370
10°x10°	7,546	177,057
10°x30°	7,389	53,191
10°x60°	8,235	34,119
10°x90°	7,622	16,605
30°x30°	7,247	20,690
30°x60°	7,209	10,898
30°x90°	6,667	7,599
60°x60°	7,151	6,492
90°x90°	6,983	4,331
30°x10°	7,025	46,242
60°x10°	7,296	29,035
60°x30°	7,166	12,296
90°x10°	6,948	16,830
W (120°)	5,623	1,933

## Asymmetric

NAS	7,024	93,225
WW	6,710	11,503
CAS	5,606	10,839

Based on 4000K, 48 in, DMX/RDM control configuration.

Based on 4000K, 48 in, DMX/RDM control configuration.

**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

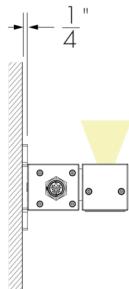
**D** - Minimum 30 1/2 in to maximum 33 1/2 in

FXH mounting brackets shown.

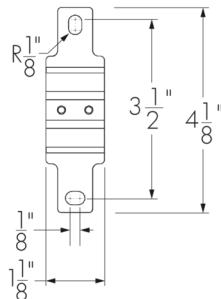
The mounting bracket(s) must be centered on fixture and as symmetrical as possible. Distances must be respected for all installations.

## Mounting Options

### FXH - Fixed Mounting Horizontal



### FXH - Mounting Hole Pattern



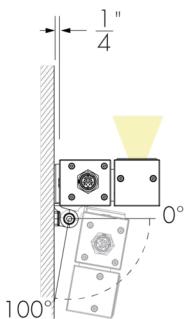
One mounting bracket provided for 12 in fixtures. Two mounting brackets provided for 24 in, 36 in and 48 in fixtures.

Weight of one FXH Mounting Bracket: 0.11 lbs.

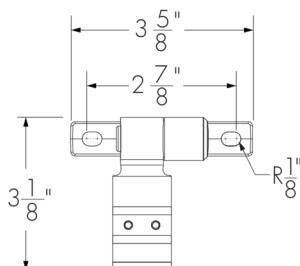
Weight of two FXH Mounting Brackets: 0.22 lbs.

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.

### SMH - Slim Adjustable Mounting Horizontal



### SMH - Mounting Hole Pattern



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

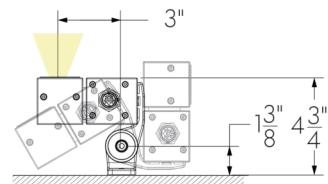
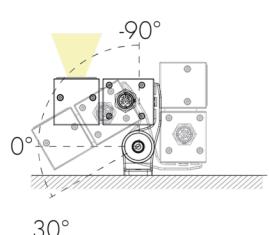
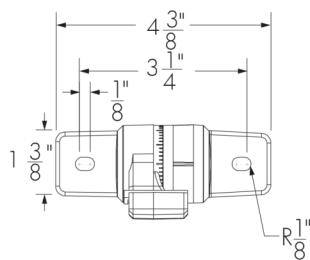
One mounting bracket provided for 12 in fixtures. Two mounting brackets provided for 24 in, 36 in and 48 in fixtures.

Weight of one SMH Mounting Bracket: 0.26 lbs.

Weight of two SMH Mounting Brackets: 0.53 lbs.

Not suitable when fixture is exposed to wind.

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.

**WMCH3 - Wall Mounting Horizontal Continuously Adjustable, 3.5 in to Optical Center****Center****WMiH3 - Wall Mounting Horizontal Incrementally Adjustable by 6°, 3.5 in to Optical Center****WMCH3 WMiH3 - Mounting Hole Pattern**

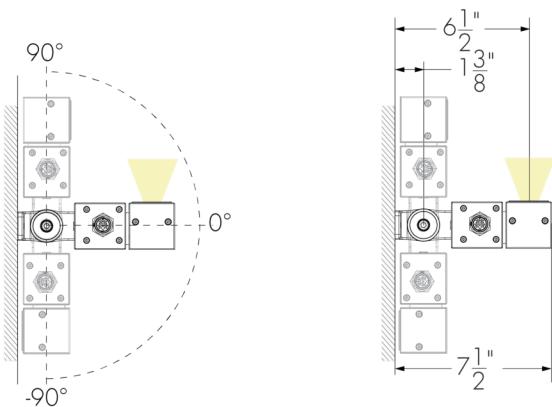
Not suitable for pole-mounted or bridge and overpass applications.

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

Weight of one WMCH3/WMiH3 Mounting Bracket: 0.62 lbs.

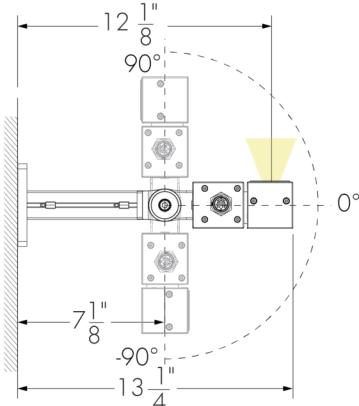
Weight of two WMCH3/WMiH3 Mounting Brackets: 1.23 lbs.

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.

**WMCH6 - Wall Mounting Horizontal Continuously Adjustable, 6 in to Optical Center****WMiH6 - Wall Mounting horizontal Incrementally Adjustable by 6°, 6 in to Optical Center**

Weight of one WMCH6/WMiH6 Mounting Bracket: 0.62 lbs.

Weight of two WMCH6/WMiH6 Mounting Brackets: 1.23 lbs.

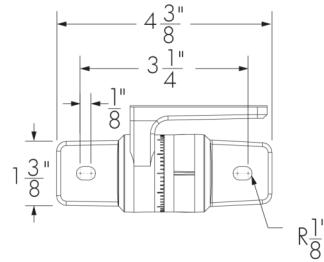
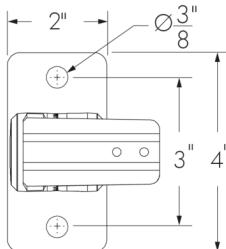
**WMCH12 - Wall Mounting Horizontal Continuously Adjustable, 12 in to Optical Center****WMiH12 - Wall Mounting Horizontal Incrementally Adjustable by 6°, 12 in to Optical Center**

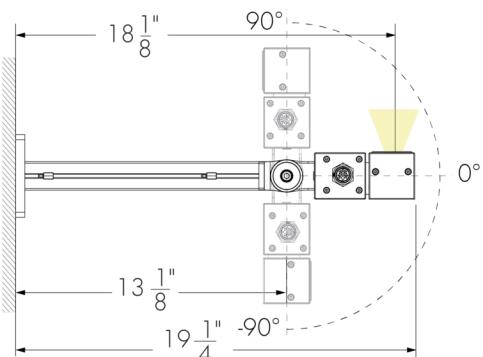
Weight of one WMCH12/WMiH12 Mounting Bracket: 1.5 lbs.

Weight of two WMCH12/WMiH12 Mounting Brackets: 3 lbs.

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

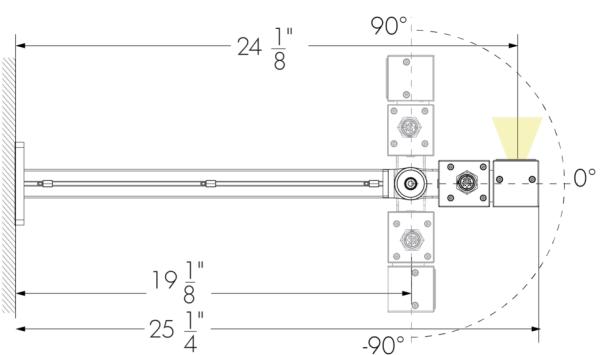
For proper hardware selection, use the dimensions of the mounting option, the weight and EPA values of the mounting option, and the weight and EPA values of the fixture and accessories for your engineering calculations.

**WMCH6 WMiH6 - Mounting Hole Pattern****WMCH12 WMiH12 - Mounting Hole Pattern**

**WMCH18 - Wall Mounting Horizontal Continuously Adjustable, 18 in to Optical Center****WMiH18 - Wall Mounting Horizontal Incrementally Adjustable by 6°, 18 in to Optical Center**

Weight of one WMCH18/WMiH18 Mounting Bracket: 2.09 lbs.

Weight of two WMCH18/WMiH18 Mounting Brackets: 4.19 lbs.

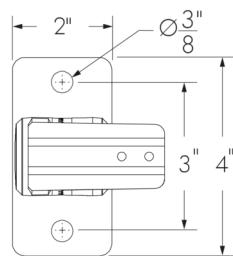
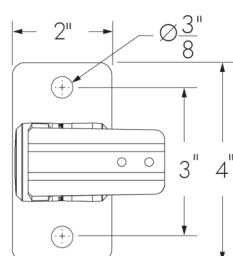
**WMCH24 - Wall Mounting Horizontal Continuously Adjustable, 24 in to Optical Center****WMiH24 - Wall Mounting Horizontal Incrementally Adjustable by 6°, 24 in to Optical Center**

Weight of one WMCH24/WMiH24 Mounting Bracket: 2.65 lbs.

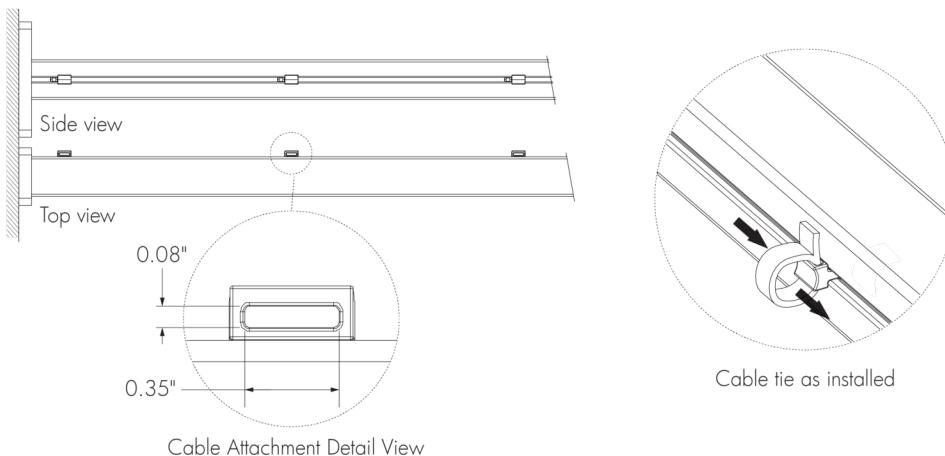
Weight of two WMCH24/WMiH24 Mounting Brackets: 5.29 lbs.

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.

**WMCH18 WMiH18 - Mounting Hole Pattern****WMCH24 WMiH24 - Mounting Hole Pattern**

## Cable Management System for Wall Mounting Brackets



1 cable attachment provided for WMCH6 and WMiH6 mounting arms.

2 cable attachments provided for WMCH12, WMiH12, WMCH18 and WMiH18 mounting arms.

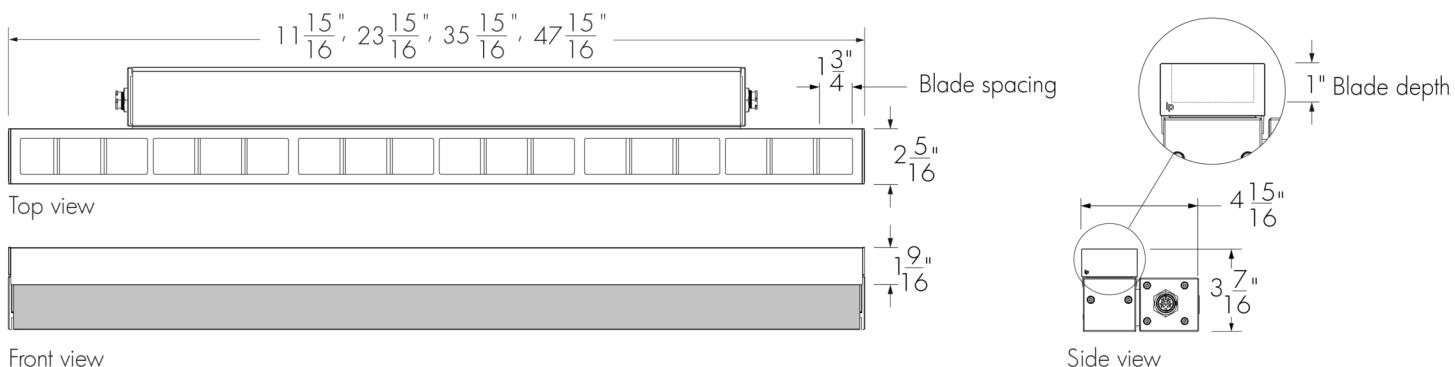
3 cable attachments provided for WMCH24 and WMiH24 mounting arms.

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

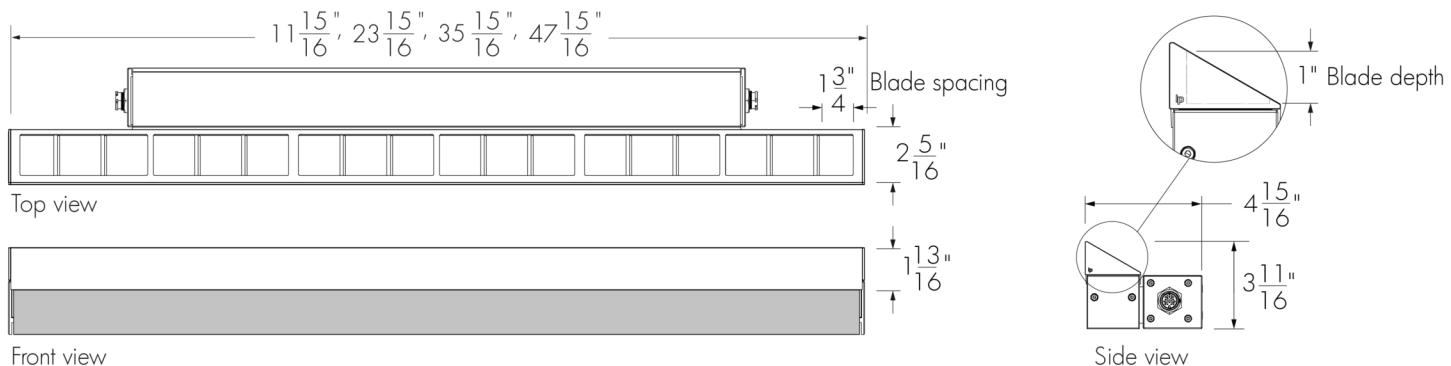


- A Radial Louver will affect beam distribution. Consult factory for application support.
- The Radial Louver is field installable. The Radial Louver can be combined with the Shield accessory; all other combinations are not possible.
- The exterior finish of the accessory will match the finish specified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

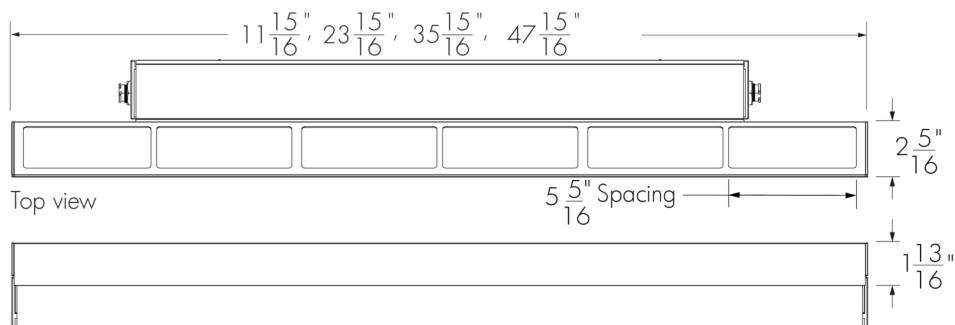


- A Radial Louver Asymmetric will affect beam distribution. Consult factory for application support.
- The Radial Louver Asymmetric is field installable. The Radial Louver Asymmetric can be combined with the Shield accessory; all other combinations are not possible.
- The exterior finish of the accessory 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.

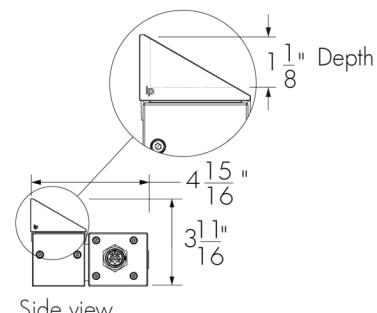
## VS - Visor



Top view



Front view



Side view

- 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.

## Lens and Optics Combinations Table (22K, 27K, 30K, 35K, 40K)

Lens/Optics	8x8	10x10	10x30	10x60	10x90	30x30	30x60	30x90	60x60	90x90	30x10	60x10	60x30	90x10	W	NAS	WW	CAS
<b>CL</b> Clear Lens	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗	✓
<b>HFR</b> Half-Frosted Lens	✓	✓	✓	✓	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✓	✓	✓	✗
<b>FR</b> Frosted Lens	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

✓ Lens option

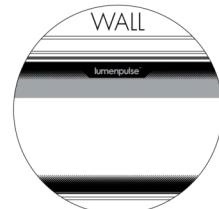
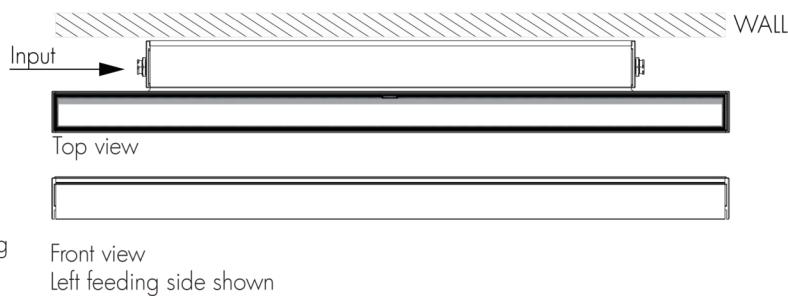
✗ Not available

## Lens and Optics Combinations Table (RD, GR, BL, AMB)

Lens/Optics	10x10	10x30	10x60	10x90	30x30	30x60	30x90	60x60	90x90	30x10	60x10	60x30	90x10	W	NAS	WW	CAS
<b>CL</b> Clear Lens	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<b>HFR</b> Half-Frosted Lens	✓	✓	✓	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✓	✓	✓	✗
<b>FR</b> Frosted Lens	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

✓ Lens option

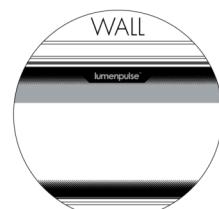
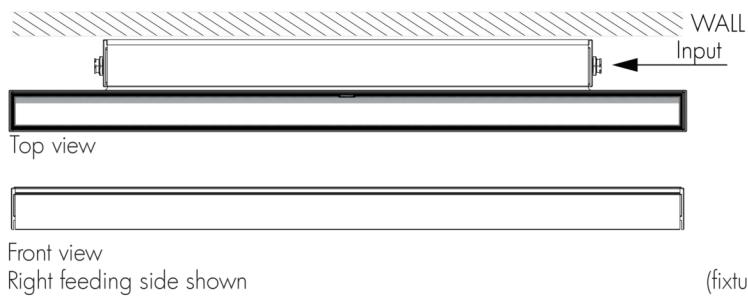
✗ Not available

**Half-Frosted Lens Details****Left Feeding Side**

lumenpulse logo should be placed on wall side

Top view of fixture lens

- 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.

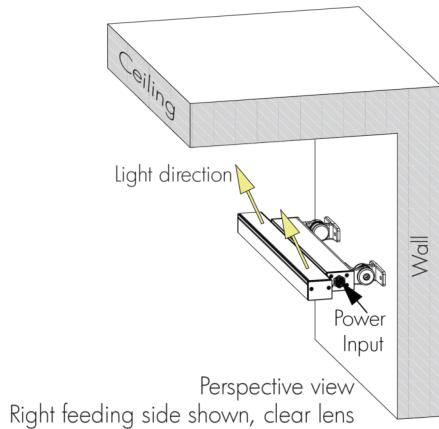
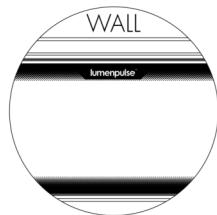
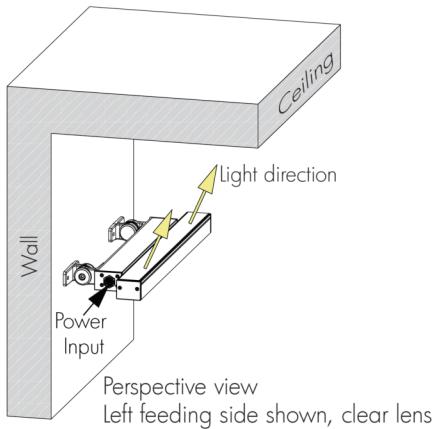
**Right Feeding Side**

lumenpulse logo should be placed on wall side

Top view of fixture lens

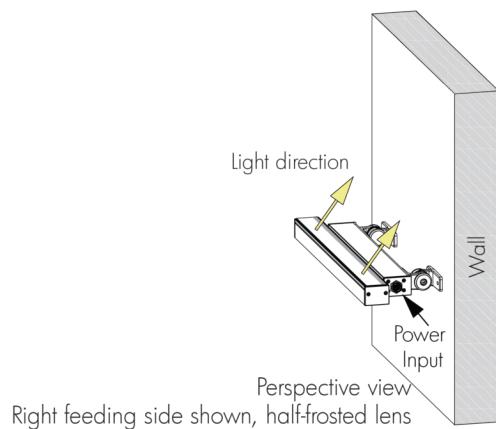
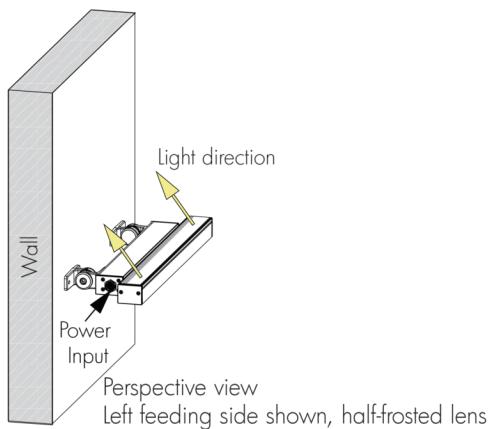
- Position frosted side of the lens and Lumenpulse logo along the wall.
- Fixture's feeding side is based on uplight installations. Feeding sides are reversed when fixture is used in a downlight application.

## 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).
- Asymmetric Wallwash optic guidelines:** 6 in minimum setback, 1:8 setback ratio (based on HFR lens).

## EPA Guide - Fixture

	12 in	24 in	36 in	48 in
<b>EPA Top (sq ft)</b> 	0.403	0.928	1.333	1.858
<b>EPA Front (sq ft)</b> 	0.241	0.483	0.726	0.968
<b>EPA Side (sq ft)</b> 	0.099	0.099	0.099	0.099

**EPA Guide - Fixture with Accessory****Fixture With Radial Louver Accessory**

	12 in	24 in	36 in	48 in
<b>EPA Top (sq ft)</b> 	0.403	0.928	1.333	1.858
<b>EPA Front (sq ft)</b> 	0.367	0.736	1.105	1.474
<b>EPA Side (sq ft)</b> 	0.138	0.138	0.138	0.138

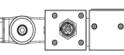
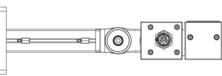
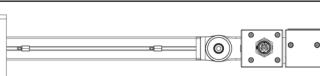
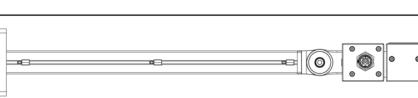
**Fixture With Radial Louver Asymmetric Accessory**

	12 in	24 in	36 in	48 in
<b>EPA Top (sq ft)</b> 	0.403	0.928	1.333	1.858
<b>EPA Front (sq ft)</b> 	0.379	0.760	1.141	1.522
<b>EPA Side (sq ft)</b> 	0.122	0.122	0.122	0.122

**Fixture With Visor Accessory**

	12 in	24 in	36 in	48 in
<b>EPA Top (sq ft)</b> 	0.403	0.928	1.333	1.858
<b>EPA Front (sq ft)</b> 	0.379	0.760	1.141	1.522
<b>EPA Side (sq ft)</b> 	0.122	0.122	0.122	0.122

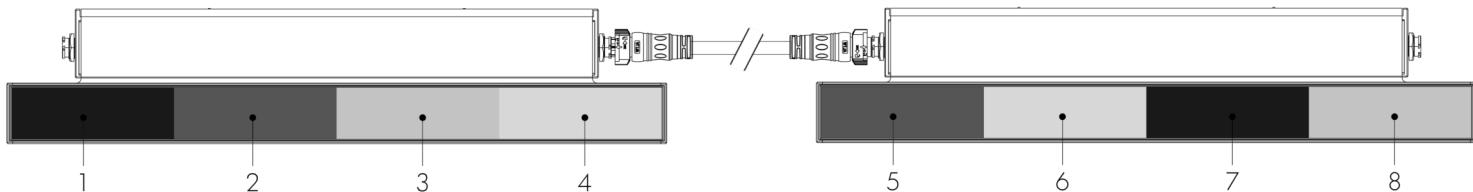
## EPA Guide - Mounting Option

EPA Top/Side (sq ft)		
<b>FXH</b>	N/A	
<b>SMH</b>	0.01	
<b>WMCH3 WMiH3</b>	0.04	
<b>WMCH6 WMiH6</b>	0.05	
<b>WMCH12 WMiH12</b>	0.15	
<b>WMCH18 WMiH18</b>	0.22	
<b>WMCH24 WMiH24</b>	0.30	

## Resolution Details

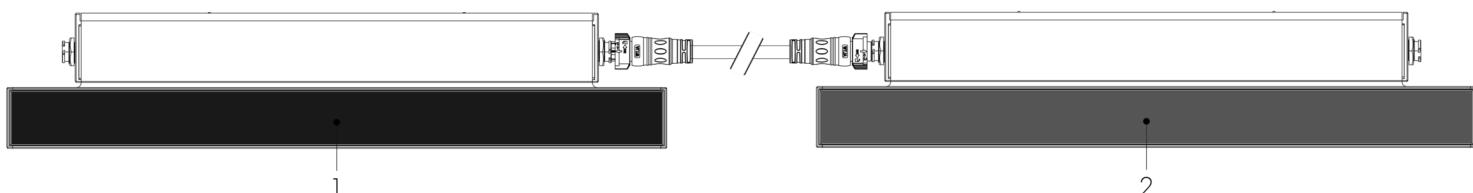
DMX/RDM Control, Resolution Per Foot: Each 12 in Section is Addressed Independently

DMX Addresses:



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

DMX Addresses:



- 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

### NO, DIM, DALI 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

### On/Off Control (NO)

#### Lumenfacade Max 6W/ft

Voltage	120V	220V	240V	277V
Maximum Run of Fixtures	160ft	408ft	444ft	512ft

#### Lumenfacade Max 10W/ft

Voltage	120V	220V	240V	277V
Maximum Run of Fixtures	120ft	260ft	280ft	324ft

#### Lumenfacade Max 22W/ft

Voltage	120V	220V	240V	277V
Maximum Run of Fixtures	64ft	124ft	132ft	156ft

Based on 48 in fixtures, NO (on/off) 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.

**DMX/RDM Control (DMX/RDM)****Lumenfacade Max 6W/ft**

Voltage	Resolution	120V	220V	240V	277V
Maximum Fixture Run Length	Per Foot	160ft	256ft	256ft	256ft

**Lumenfacade Max 10W/ft**

Voltage	Resolution	120V	220V	240V	277V
Maximum Fixture Run Length	Per Foot	120ft	256ft	256ft	256ft

**Lumenfacade Max 22W/ft**

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

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

**ExtendX Control (ETX)****Lumenfacade Max 6W/ft**

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

**Lumenfacade Max 10W/ft**

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

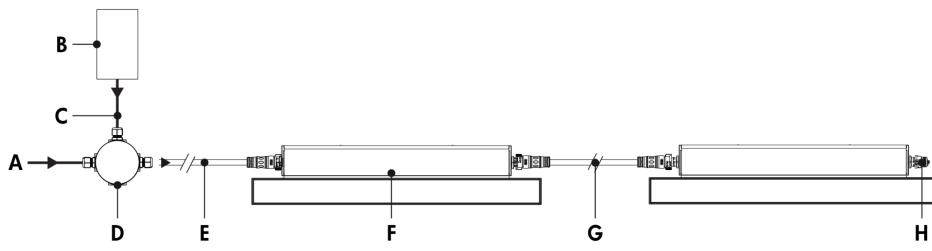
**Lumenfacade Max 22W/ft**

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

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

## Typical Wiring Diagrams

### NO - On/Off Control, DIM - 0-10V Dimming and DALI - DALI 2 T6 Control



- A** - Power input (120 to 277V, wiring by others)
- B** - Dimmer/controller (for DIM and DALI control options, by others)
- C** - Data input (for DIM and DALI control options, wiring by others)
- D** - Junction box (by others)
- E** - Leader Cable (LFLC XC3P2D)
- F** - Lumenfacade Max Continuous Horizontal (LFM-CH)
- G** - Jumper Cable
- H** - End Cap

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

#### DIM Control:

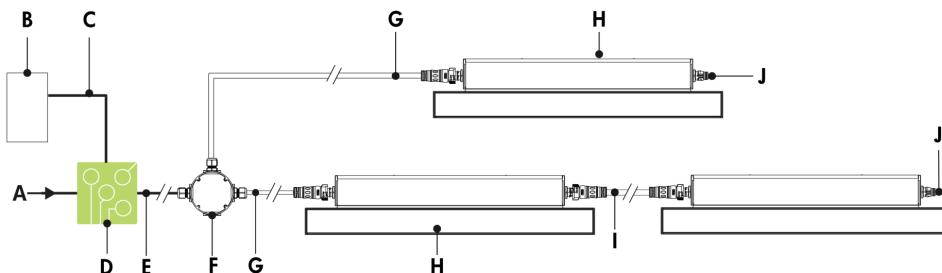
- 0-10V mA ratings: passive dimmer (Current Sink): 3mA per fixture, active dimmer (Current Source): 0.5mA per fixture.
- Less than 1% minimum dimming value

#### DALI Control:

- 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.

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

### Lumentalk (LT)

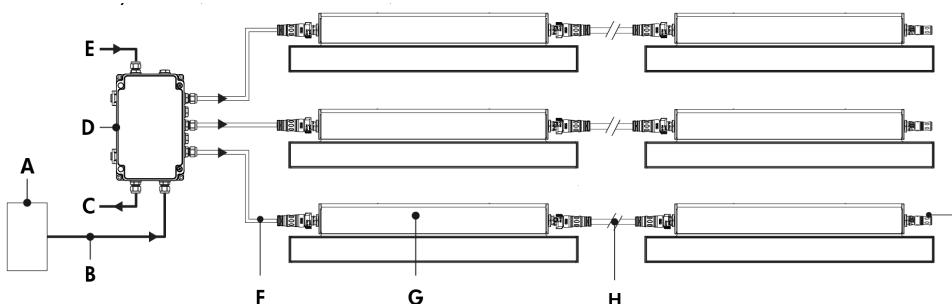


- A** - Power input (120 to 277V, wiring by others)
- B** - Dimmer/controller (order separately from Lumenpulse, or by others)
- C** - Data wiring (by others)
- D** - Lumentranslator 2 (LTL2-DIM, -DMX, -TRIAC, -DALI)
- E** - Power wiring (by others)
- F** - Junction box (by others)
- G** - Leader Cable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

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

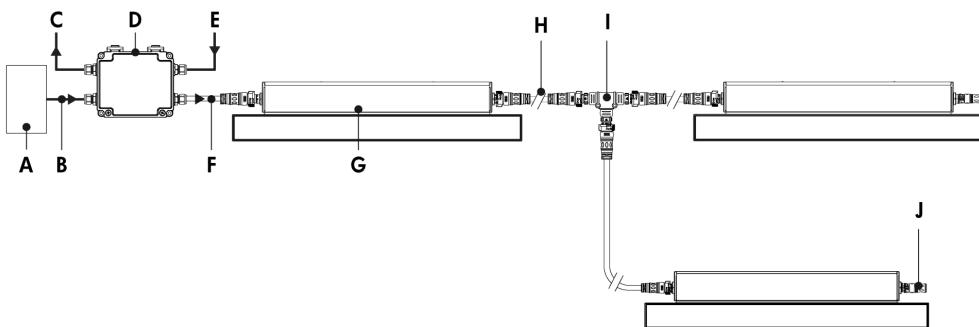
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- For DMX applications: 1 DMX controller per Lumentalk network, maximum of 48 DMX channels per Lumentalk network (minimum step transition update rate is 1 second, minimum fade time between two colors is 1 minute). Consult factory for applications that require additional capabilities.
- Maximum of 1 transmitter (Lumentranslator or Lumenlink) per system.
- No third-party fixtures allowed on the same circuit.
- Consult factory for DALI Lumentalk applications.

## Star Layout (DMX/RDM)



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

## Daisy Chain Layout (DMX/RDM)

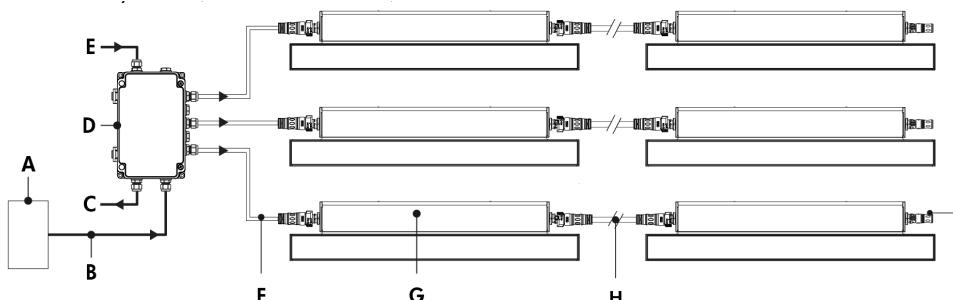


- A** - Third-party DMX/RDM controller
- B** - Data input (Belden 9841 or equivalent, by others)
- C** - Data output to next CBX (optional, not isolated/not boosted)
- D** - CBX-DS
- E** - Power input (120 to 277V, wiring by others)
- F** - Leader Cable (LFLC XC3P3D)
- G** - Lumenfacade Max Continuous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

Refer to installation instructions for additional wiring details.

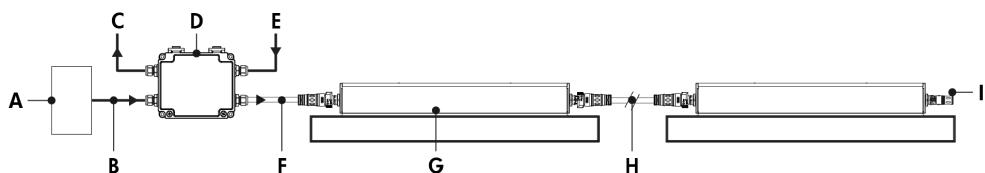
- Consult CBX installation instructions for additional wiring details.
- 50 ft maximum DMX/RDM "Stub" length.
- Maximum of 1 fixture per "Stub".
- 1 DMX universe = 512 @ 1-channel controllable segments.
- Maximum of 4 DMX/RDM repeaters/CBX cascading in line.
- Maximum of 6 outputs per CBX-ST; maximum of 1 output per CBX-DS.
- Maximum of 64 DMX/RDM enabled fixtures per CBX output.
- Maximum DMX/RDM cable length of 800 ft ("Bus" and "Stubs").

## Star Layout (ExtendX)



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

Refer to installation instructions for additional wiring details.

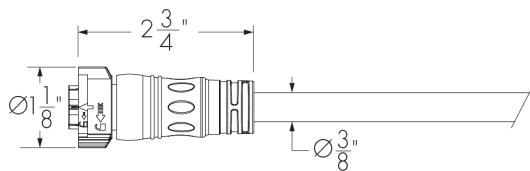
Maximum of 4 outputs per CBX-ST ENET; maximum of 1 output per CBX-DS ENET.

Consult CBX installation instructions for additional wiring details.

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

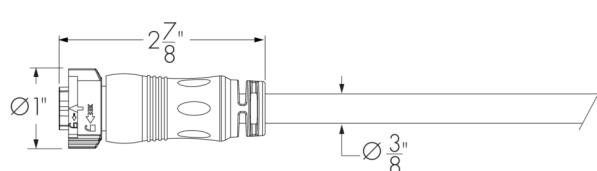
## Leader Cable (Order Separately)

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:

NO, DIM, DALI, 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); **CABLE/CONNECTOR COLOR:** BK (Black) or WH (White) (connectors are the same color as the specified cable color).

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

DMX/RDM applications:

**TYPE:** CR/CH (Continuous Run or Continuous Horizontal); **CERTIFICATION:** UL or CE; **VOLTAGE:** 120\_277; **LENGTH:** 10 ft, 25 ft, 50 ft, 100 ft, 150 ft or 200 ft;

**CONNECTOR/CABLE TYPE:** XC3P3D (3x14AWG + 3x24AWG X-lock C-size); **CONNECTOR SHAPE:** 180D (Straight Connector) or 90D (90° Angle Connector);

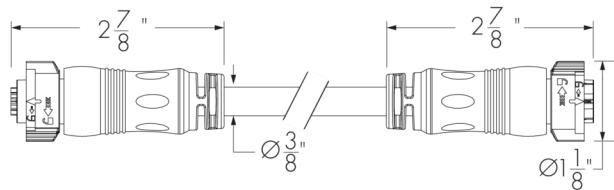
**CABLE/CONNECTOR COLOR:** BK (Black) or WH (White) (connectors are the same color as the specified cable color).

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

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

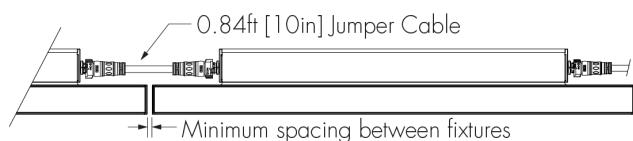
## Jumper Cable (Order Separately)

### LFJC - Lumenfacade Jumper Cable (XC3P2D)



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

#### Installation with No Cable Loop



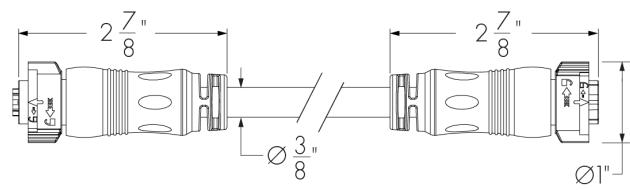
#### Straight Cable/No Cable Loop (0.84 ft Jumper Cable)

#### Minimum Spacing Between Fixtures

#### Fixture A Length

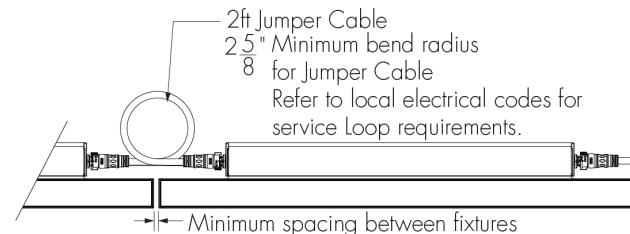
	12 in	24 in	36 in	48 in
Fixture B Length	5.3in Fixture Gap		2.75in Fixture Gap	
12 in				
24 in				
36 in	2.75in Fixture Gap		<b>End-to-End*</b>	
48 in	0.375in Fixture Gap			

### LFJC - Lumenfacade Jumper Cable (XC3P3D)



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

#### Installation with Cable Loop



#### Cable Loop (2 ft Jumper Cable)

#### Minimum Spacing Between Fixtures

#### Fixture A Length

	12 in	24 in	36 in	48 in
Fixture B Length	2.75in Fixture Gap		<b>End-to-End*</b>	
12 in			0.375in Fixture Gap	
24 in				
36 in	<b>End-to-End*</b>		<b>End-to-End*</b>	
48 in	0.375in Fixture Gap		0.375in Fixture Gap	

\* 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)

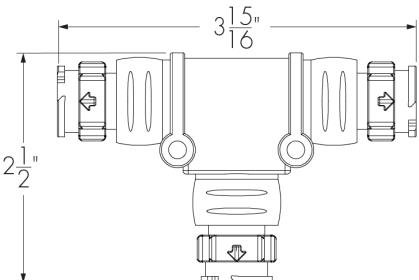
### LFTJ - Lumenfacade T-Junction (XC3P2D)

Available For NO, DIM, DALI and LT Control Options Only

Output for  
Jumper Cable  
(Female pin)

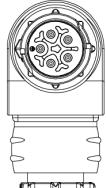


Side view



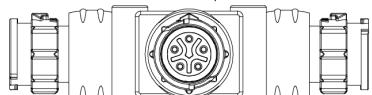
Front view

Input for  
Leader Cable  
(Male pin)



Side view

Output for  
Jumper Cable  
(Female pin)



Bottom view

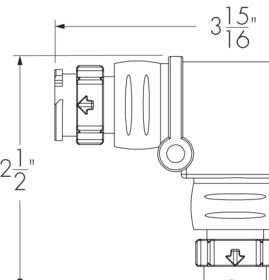
### LFTJ - Lumenfacade T-Junction (XC3P3D)

Available for DMX/RDM Control Option Only

Output for  
Jumper Cable  
(Female pin)



Side view



Front view

Input for  
Leader Cable  
(Male pin)



Side view

Output for  
Jumper Cable  
(Female pin)



Bottom view

## LFTJ-CONNECTOR/CABLE TYPE-CABLE/CONNECTOR COLOR

Please specify:

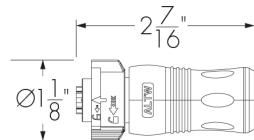
**CONNECTOR/CABLE TYPE:** XC3P2D (5x 16AWG X-lock size) or XC3P3D (3x 14AWG + 3x24AWG) X-lock size; **CABLE/CONNECTOR COLOR:** BK (Black) or WH (White).

- 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)

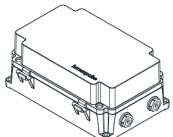
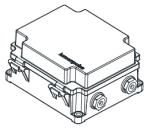
### 148161 (Black) or 150394 (White) - DMX/RDM Terminator



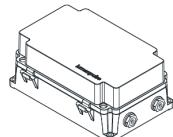
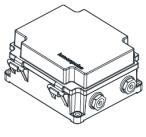
DMX/RDM terminator is mandatory at the end of a fixture run with T-junction for DMX/RDM applications

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

**EXPERT - Pharos® Expert Control Kit**

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

**Diagnostic And Addressing Tools (Order Separately)****LID - LumenID**

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

## How to Order

Housing	Type	Certification	Voltage	Length	Wattage	Color and Color Temperature	Color Rendering (11)	Optic	Lens
LFM Lumenfacade Max	CH Continuous Horizontal	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 (11)	22K 2200K  27K 2700K  30K 3000K  35K 3500K  40K 4000K  RD Red (12) (13)  GR Green (12) (13)  BL Blue (12) (13)  AMB Phosphor Converted Amber (PC Amber) (12) (13)	80 CRI 80+ (14)  10 10° x 10° (15)  10x30 10° x 30°  10x60 10° x 60°  10x90 10° x 90°  30x30 30° x 30° (16)  30x60 30° x 60° (16)  30x90 30° x 90° (16)  60x60 60° x 60° (16)  90x90 90° x 90° (16)  30x10 30° x 10° (16)  60x10 60° x 10° (16)  60x30 60° x 30° (16)  90x10 90° x 10° (16)  W Wide 120° (16)  NAS Narrow Asymmetric (17) (18)  WW Asymmetric Wallwash (19)  CAS Ceiling Asymmetric (16)	8x8 8° x 8° (11) (15)  10x10 10° x 10° (15)  10x30 10° x 30°  10x60 10° x 60°  10x90 10° x 90°  30x30 30° x 30° (16)  30x60 30° x 60° (16)  30x90 30° x 90° (16)  60x60 60° x 60° (16)  90x90 90° x 90° (16)  30x10 30° x 10° (16)  60x10 60° x 10° (16)  60x30 60° x 30° (16)  90x10 90° x 10° (16)  W Wide 120° (16)  NAS Narrow Asymmetric (17) (18)  WW Asymmetric Wallwash (19)  CAS Ceiling Asymmetric (16)	

## Notes:

- Available for 120\_277 voltage option only.
- Available for 230 voltage option only.
- Available for the Japanese market only.
- Available for 100\_200V voltage option only.
- Consult your local Sales Representative for PSE certification.
- Available for UL certification only.
- Available for CE certification only.
- Available for PSE Certification only.
- Consult factory for applications with 12 in fixtures.
- Consult factory for applications with PSE Certification.
- Available for 22K, 27K, 30K and 40K color temperatures only.
- Available for 10x10, 10x30, 10x60, 10x90, 30x30, 30x60, 30x90, 60x60, 90x90, 30x10, 60x10, 60x30, 90x10, W, NAS, WW and CAS optics only.
- Available for 6 W/ft and 10 W/ft versions only.
- Consult factory for CRI 90+.
- For best results use a minimum 3 in setback from surface. Contact factory for application support.
- Can be combined with a CL or FR lens only.
- Can be combined with a HFR or FR lens only for 22K, 27K, 30K, 35K and 40K color temperature options only.
- Can be combined with a CL, HFR or FR lens for RD, GR, BL, AMB static colors.
- Can be combined with a HFR or FR lens only.

## How to Order

Feeding Side	Control	Vibration Rating <sup>(26)</sup>	Mounting Options <sup>(31)</sup>	Environment	Finish	Accessories <sup>(43) (44)</sup>	Buy America.n Act
<b>LF</b> Left Feeding Side	<b>NO</b> On/Off Control	<b>NVR</b> Buildings and Fixed Structures <sup>(27)</sup>	<b>SMH</b> Slim Adjustable Mounting Horizontal Continuously Adjustable (100° Pivot Limit) <sup>(32) (33)</sup>	<b>XD</b> Extra durable multi-step finish <sup>(38) (39)</sup>	<b>BK</b> Black Sandtex®	<b>NA</b> No Accessory	<b>BAA</b> Buy America.n <sup>(6)</sup> <sup>(46)</sup>
<b>RF</b> Right Feeding Side	<b>DIM</b> 0-10V Dimming <sup>(20)</sup>	<b>VRN</b> Pole-Mounts <sup>(28) (29)</sup>	<b>FXH</b> Fixed Mounting Horizontal (0° Pivot Limit) <sup>(34)</sup>		<b>BRZ</b> Bronze Sandtex®	<b>LV</b> Radial Louver <sup>(32) (45)</sup>	
	<b>DALI</b> DALI 2 T6 Enabled Dimming 0.1% <sup>(20) (21)</sup>	<b>VRBO</b> Bridges and Overpasses <sup>(30)</sup>	<b>WMCH3</b> Wall Mounting Horizontal Continuously Adjustable, 3.5 in to Optical Center (120° Pivot Limit) <sup>(32) (33)</sup>		<b>SI</b> Silver Sandtex®	<b>LVAS</b> Radial Louver Asymmetric <sup>(32)</sup>	
	<b>LT</b> Lumentalk <sup>(20) (22)</sup>		<b>WMIH3</b> Wall Mounting Horizontal Incrementally Adjustable by 6°, 3.5 in to Optical Center (120° Pivot Limit) <sup>(32) (33)</sup>		<b>WH</b> Smooth White		
	<b>DMX/RDM</b> DMX/RDM Enabled Dimming <sup>(20) (23)</sup>		<b>WMCH6</b> Wall Mounting Horizontal Continuously Adjustable, 6 in to Optical Center (180° Pivot Limit) <sup>(33) (35)</sup>		<b>BKTX</b> Textured Black	<b>VS</b> Visor <sup>(32)</sup>	
	<b>ETX</b> ExtendX™ <sup>(20) (24) (25)</sup>		<b>WMIH6</b> Wall Mounting Horizontal Incrementally Adjustable by 6°, 6 in to Optical Center (180° Pivot Limit) <sup>(34)</sup>		<b>BRZTX</b> Textured Bronze Non-Metallic		
			<b>WMCH12</b> Wall Mounting Horizontal Continuously Adjustable, 12 in to Optical Center (180° Pivot Limit) <sup>(33) (36)</sup>		<b>GRATX</b> Textured Medium Gray		
			<b>WMIH12</b> Wall Mounting Horizontal Incrementally Adjustable by 6°, 12 in to Optical Center (180° Pivot Limit) <sup>(37)</sup>		<b>GRNTX</b> Textured Green		
			<b>WMCH18</b> Wall Mounting Horizontal Continuously Adjustable, 18 in to Optical Center (180° Pivot Limit) <sup>(33) (36)</sup>		<b>WHTX</b> Textured White		
			<b>WMIH18</b> Wall Mounting Horizontal Incrementally Adjustable by 6°, 18 in to Optical Center (180° Pivot Limit) <sup>(37)</sup>		<b>CC</b> Custom Color & Finish <sup>(40) (41) (42)</sup>		
			<b>WMCH24</b> Wall Mounting Horizontal Continuously Adjustable, 24 in to Optical Center (180° Pivot Limit) <sup>(32) (33)</sup>				
			<b>WMIH24</b> Wall Mounting Horizontal Incrementally Adjustable by 6°, 24 in to Optical Center (180° Pivot Limit) <sup>(32) (33)</sup>				

## Notes:

- 6. Available for UL certification only.
- 20. Minimum dimming value is less than 1%.
- 21. DALI 2 T6 controller required, provided by others.
- 22. A Lumentranslator 2 (LT2) and LumenID (LID) must be specified for Lumentalk applications. Consult Lumentranslator 2 and Lumentalk pages and specification sheets for details.
- 23. A Control Box (CBX) and LumenID (LID) must be specified.
- 24. An Ethernet CBX is required. Refer to the ETX configuration in the Ethernet CBX Specification Sheet for details.
- 25. ETX Control Option is not compatible with LFTJ T-Junction Accessory.
- 26. Consult factory for vibration rating requirements on vertical installations.
- 27. Available for all mounting options.
- 28. Available for FXH mounting option when combined with VRN vibration rating. All other mounting options may have installation limitations, and a review is needed for approval. Consult factory.
- 29. Consult factory for pole mounting accessories.
- 30. Available for FXH mounting option when combined with VRBO vibration rating. All other mounting options may have installation limitations, and a review is needed for approval. Consult factory.
- 31. One mounting bracket provided for 12 in fixtures. Two mounting brackets provided for 24 in, 36 in and 48 in fixtures.
- 32. Available with NVR vibration rating only. Installation limitations may apply for other vibration rating options, and a review is needed for approval. Consult factory.
- 33. Not suitable for bridge and overpass applications.
- 34. Vibration tested in accordance with ANSI I36.31 2018 at 3Gv.
- 35. Vibration tested in accordance with ANSI I36.31 2018 at 1.5Gv.
- 36. Vibration tested in accordance with ANSI I36.31 2018 at 2.3Gv.
- 37. Vibration tested in accordance with ANSI I36.31 2018 at 4.6Gv.
- 38. Zirconium pretreatment completed with corrosion-resistant primer and electrostatically-applied powder coat paint finish.
- 39. For natatorium or full salt spray applications, consult factory.
- 40. 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.
- 41. Setup charges apply for RAL colors. Consult factory for details.
- 42. Longer lead times can be expected for custom RAL color finishes.
- 43. Maximum one accessory per fixture.
- 44. The exterior finish of the accessory will match the finish specified in the fixture order code (interior surface painted matte black).
- 45. Available for 8x8, 10x10, 10x30, 10x60, 10x90, 30x30, 30x60, 30x90, 60x60, 90x90, 30x10, 60x10, 60x30, 90x10 and W optics only.
- 46. Contact your Lumenpulse Sales Representative for more information on order volume details.