Specification Sheet

Project Name _____ **Qty** _____

Type _____ **Catalog / Part Number** _____

11 15/16", 23 15/16", 35 15/16", 47 15/16"

2 3/16"

3/8" Minimum spacing between fixtures
(Some exceptions, see Jumper Cable section
in specification sheet for details)

Top View

2 5/16" 4 1/8"

Leader Cable (LFLC)

5"

(2 1/2" on 1ft and 2ft fixtures)
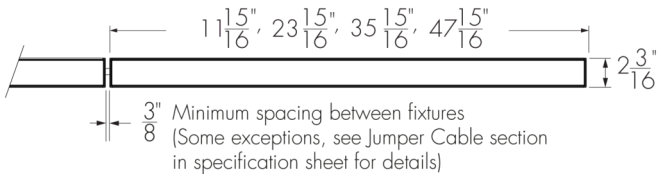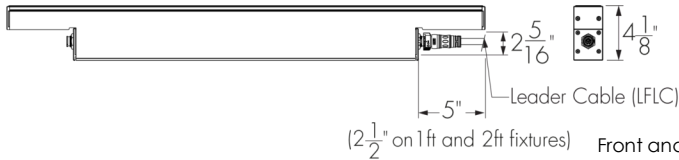
Front and Side Views
36 in Fixtures Shown

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

Based on 4000K, 4ft [1218mm], DMX/RDM control.
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.
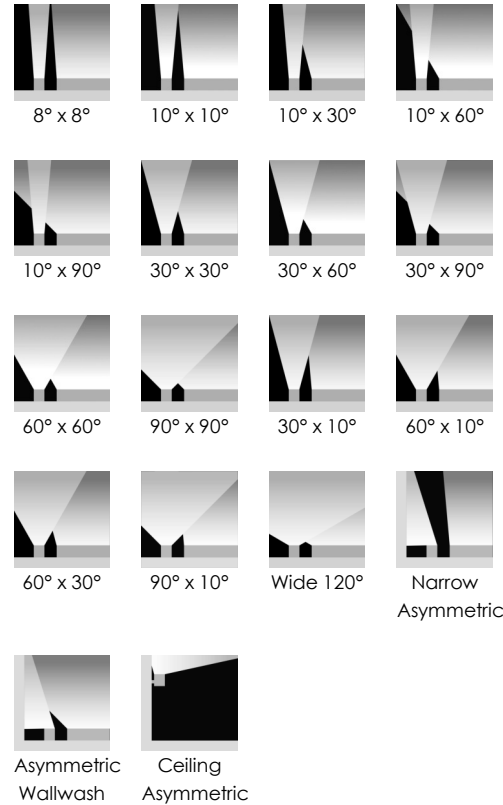NAS and WW optics tested with HFR lens.

Description

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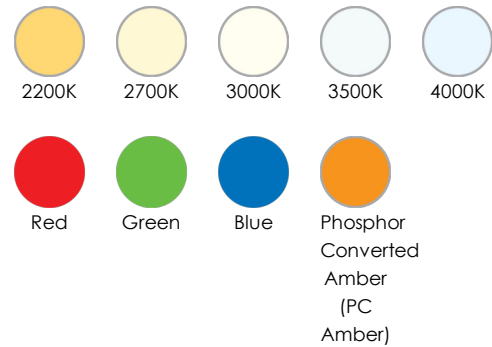Pure while supplying extra features and higher output.

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:** No Vibration Rating Required
	VRN: Vibration Rated for Normal Applications
	VRBO: Vibration Rated for Bridge and Overpass
Fixed Mounting Options	**FX:** Fixed Mounting (0˚ Pivot Limit)

Specification Sheet

Lumenfacade
Max
Continuous Run
LFM-CR

WHITE AND STATIC COLORS

Optic

8° x 8°	10° x 10°	10° x 30°	10° x 60°
10° x 90°	30° x 30°	30° x 60°	30° x 90°
60° x 60°	90° x 90°	30° x 10°	60° x 10°
60° x 30°	90° x 10°	Wide 120°	Narrow Asymmetric
Asymmetric Wallwash	Ceiling Asymmetric		

Color and Color Temperature

2200K	2700K	3000K	3500K	4000K

Red	Green	Blue	Phosphor Converted Amber (PC Amber)

Control

ON/OFF   0-10V   DALI 2 T6   lumentalk

DMX/RDM

Continuously Adjustable Mounting Options

SM: Slim Adjustable Mounting Continuously Adjustable (110˚ Pivot Limit)

WMC1: Wall Mounting Continuously Adjustable, 1.5 in to Optical Center (180˚ Pivot Limit)

WMC3: Wall Mounting Continuously Adjustable, 3.5 in to Optical Center (130˚ Pivot Limit)

WMC6: Wall Mounting Continuously Adjustable, 6 in to Optical Center (170˚ Pivot Limit)

WMC12: Wall Mounting Continuously Adjustable, 12 in to Optical Center (180˚ Pivot Limit)

WMC18: Wall Mounting Continuously Adjustable, 18 in to Optical Center (180˚ Pivot Limit)

WMC24: Wall Mounting Continuously Adjustable, 24 in to Optical Center (180˚ Pivot Limit)

Incrementally Adjustable Mounting Options

WMi1: Wall Mounting Incrementally Adjustable by 6˚, 1.5 in to Optical Center (180˚ Pivot Limit)

WMi3: Wall Mounting Incrementally Adjustable by 6˚, 3.5 in to Optical Center (130˚ Pivot Limit)

WMi6: Wall Mounting Incrementally Adjustable by 6˚, 6 in to Optical Center (170˚ Pivot Limit)

WMi12: Wall Mounting Incrementally Adjustable by 6˚, 12 in to Optical Center (180˚ Pivot Limit)

WMi18: Wall Mounting Incrementally Adjustable by 6˚, 18 in to Optical Center (180˚ Pivot Limit)

WMi24: Wall Mounting Incrementally Adjustable by 6˚, 24 in to Optical Center (180˚ Pivot Limit)

Optical Accessories

LV: Radial Louver
LVAS: Radial Louver Asymmetric
VS: Visor
SH: Shield

Warranty

5-year limited warranty

Performance

Maximum Delivered Output

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

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 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

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WHITE AND STATIC COLORS

Finish

|				
Black Sandtex®	Bronze Sandtex®	Silver Sandtex®	Smooth White	Textured Black
Textured Bronze Non-Metallic	Textured Medium Gray	Textured Green	Textured White	Custom Color & Finish

Certifications

c(UL)us   CE   lp buyamerica-n   RoHS ✓   ⏚

5 YEARS lumenpulse

Lumen Maintenance

For 22K, 27K, 30K, 35K, 40K:
L70 (10K) > 60,000 hrs Ta 25 °C (TM-21 reported)
L70 > 150,000 hrs Ta 25 °C (projected)*
L90 (10K) = 55,600 hrs Ta 25 °C (TM-21 reported)
L90 = 55,600 hrs Ta 25 °C (projected)*
*Estimated based on in-situ case temperature and LM-80 report

For RD, GR, BL, AMB:
L70 (15K) > 90,000 hrs Ta 25 °C (TM-21 reported)
L70 > 150,000 hrs Ta 25 °C (projected)*
L90 (15K) = 55,400 hrs Ta 25 °C (TM-21 reported)
L90 = 55,400 hrs Ta 25 °C (projected)*
*Estimated based on in-situ case temperature and LM-80 report

Color Rendering

CRI 80+ (applicable to 22K, 27K, 30K, 35K and 40K color temperatures only)
Consult factory for CRI 90+

Physical

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

Electrical and Control

Voltage	120 to 277 volts (UL certification) 220 to 240 volts (CE certification, Class I)
Wattage	**10W:** 10 W/ft , **22W:** 22 W/ft
Control	**NO:** On/Off Control , **DIM:** 0-10V Dimming , **DALI:** DALI 2 T6 Control , **LT:** Lumentalk , **DMX/RDM:** DMX/RDM Enabled
Inrush Current (Peak)	Meets NEMA-410 requirements (Based on voltage and control specifications, consult factory for details)

Environmental

Storage Temperature	-40 °F to 185 °F
Start-up Temperature	-40 °F to 122 °F
Operating Temperature	For 10 W/ft fixtures: -40 °F to 122 °F For 22 W/ft fixtures: -40 °F to 104 °F

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JC- R3

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Specification Sheet

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WHITE AND STATIC COLORS

Ingress Protection Rating	IP66
	IP67 (suitable for applications with temporary immersion in water only (no permanent immersion), proper drainage around the fixture is required). Consult factory for details
Impact Resistance Rating	IK07 (CL lens), IK07 (HFR lens), IK06 (FR lens)
	Consult factory for IK08 lens option
Application Wind Speed	Luminaires were designed based on AASHTO 2013 standard to ensure highest quality and safety. Installation should be validated by a local project engineer to ensure the luminaires are suitable for the wind speed and exposure of the specific application
Environment	Wet location

Accessories (Order Separately)

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

Photometric Information

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.

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.

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WHITE AND STATIC COLORS

10 W/ft (4000K)

Symmetric

	Delivered Output (lm)	Intensity (Peak cd)
8°x8°	4,577	158,579
10°x10°	4,544	106,608
10°x30°	4,449	32,027
10°x60°	4,958	20,543
10°x90°	4,589	9,998
30°x30°	4,363	12,458
30°x60°	4,341	6,562
30°x90°	4,014	4,575
60°x60°	4,306	3,909
90°x90°	4,205	2,607
30°x10°	4,230	27,843
60°x10°	4,393	17,482
60°x30°	4,315	7,404
90°x10°	4,183	10,133
W (120°)	3,386	1,164

Asymmetric

	Delivered Output (lm)	Intensity (Peak cd)
NAS	4,229	56,132
WW	4,040	6,926
CAS	3,375	6,526

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

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

	Delivered Output (lm)	Intensity (Peak cd)
NAS	7,024	93,225
WW	6,710	11,503
CAS	5,606	10,839

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.

Chromaticity Data

TM-30 - 4000K

CCT	CIE		TM-30	
4000K	R_a	82	85	R_f
	R_9	3	95	R_g

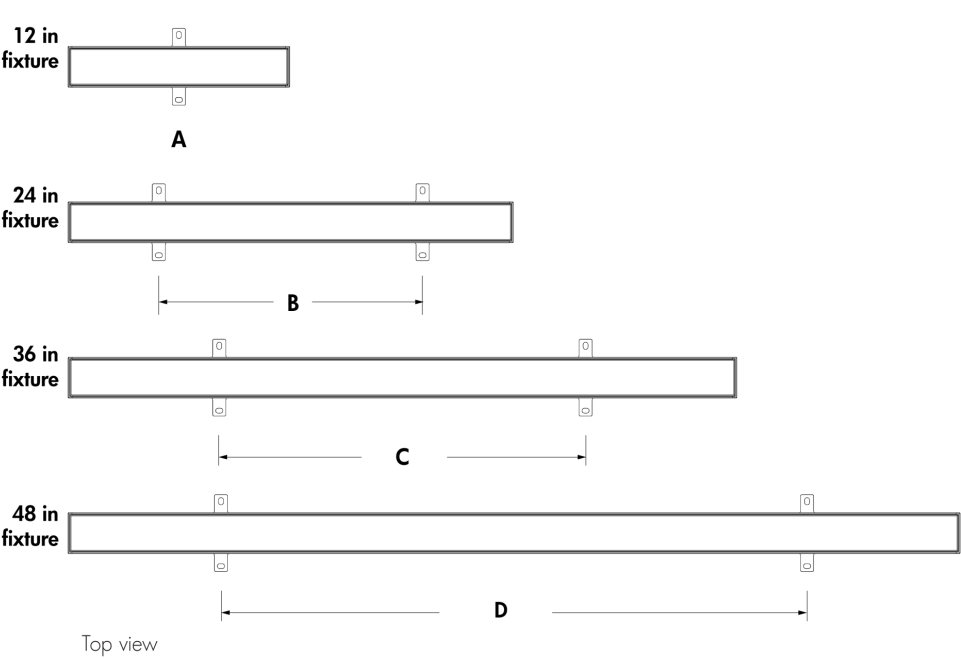### Spectral Power Distribution

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

Specification Sheet

Lumenfacade
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WHITE AND STATIC COLORS

Mounting Bracket Placement (Minimum and Maximum Distances)

12 in fixture

A

24 in fixture

B

36 in fixture

C
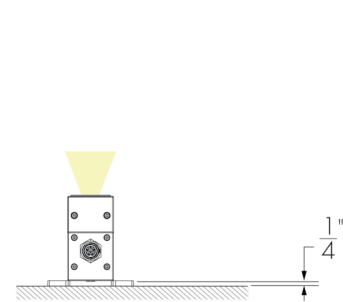
48 in fixture

D

Top view

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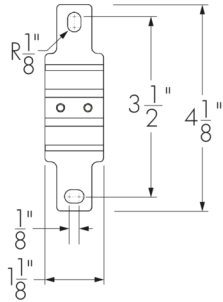**D** - Minimum 30 1/2 in to maximum 33 1/2 in

FX mounting brackets shown.

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

Mounting Options

FX - Fixed Mounting

$\frac{1}{4}$"

FX - Mounting Hole Pattern

$R\frac{1}{8}$"

$3\frac{1}{2}$"

$4\frac{1}{8}$"

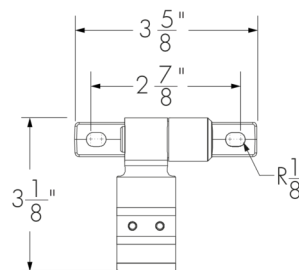$\frac{1}{8}$"

$\frac{1}{8}$"

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

Weight of one FX Mounting Bracket: 0.11 lbs. Weight of two FX Mounting Brackets: 0.22 lbs.
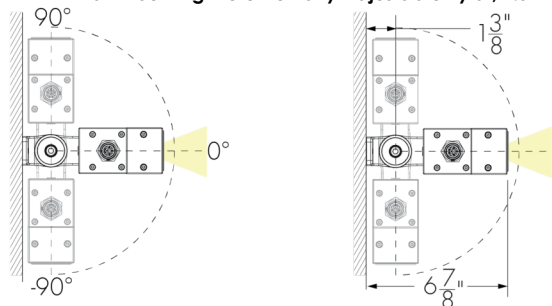
For proper hardware selection, use the dimensions of the mounting option, the weight and EPA values of the mounting option, and the weight and EPA values of the fixture and accessories for your engineering calculations.

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WHITE AND STATIC COLORS

SM - Slim Adjustable Mounting

SM - Mounting Hole Pattern
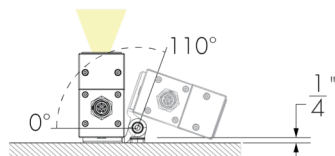
Not suitable when fixture is exposed to wind.

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

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

No vibration rating. Not suitable for bridge and overpass applications.

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

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

WMC1 WMi1 - Mounting Hole Pattern

Weight of one WMC1/WMi1 Mounting Bracket: 0.62 lbs.
Weight of two WMC1/WMi1 Mounting Brackets: 1.23 lbs.
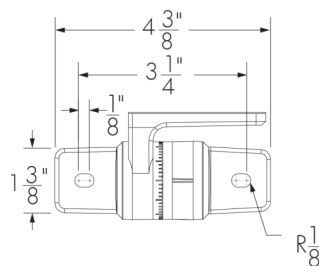
WMC3 - Wall Mounting Continuously Adjustable, 3.5 in to Optical Center
WMi3 - Wall Mounting Incrementally Adjustable by 6˚, 3.5 in to Optical Center

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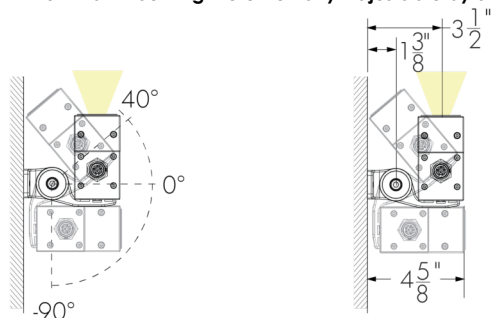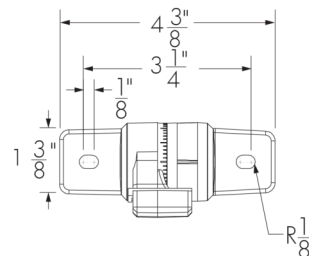
Weight of one WMC3/WMi3 Mounting Bracket: 0.62 lbs.
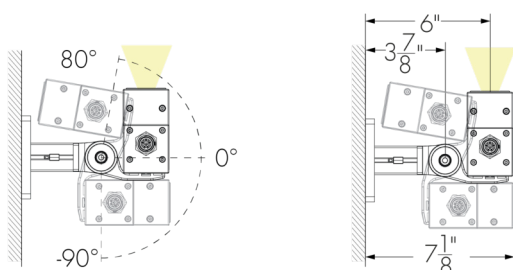Weight of two WMC3/WMi3 Mounting Brackets: 1.23 lbs.

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

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

Specification Sheet

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WHITE AND STATIC COLORS

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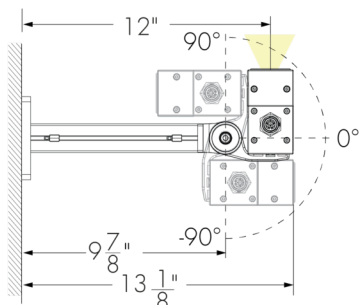**WMi6 - Wall Mounting Incrementally Adjustable by 6˚, 6 in to Optical Center**

WMC6 WMi6 - Mounting Hole Pattern

Weight of one WMC6/WMi6 Mounting Bracket: 1.21 lbs.
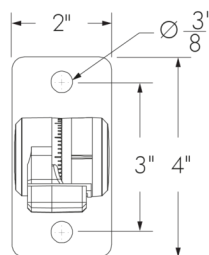Weight of two WMC6/WMi6 Mounting Brackets: 2.43 lbs.
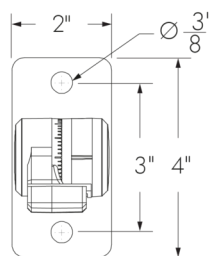
WMC12 - Wall Mounting Continuously Adjustable, 12 in to Optical Center
WMi12 - Wall Mounting Incrementally Adjustable by 6˚, 12 in to Optical Center
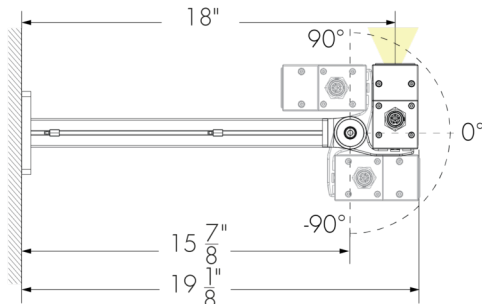

WMC12 WMi12 - Mounting Hole Pattern

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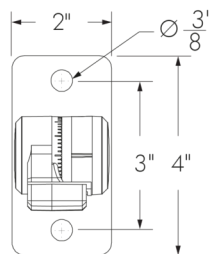Weight of two WMC12/WMi12 Mounting Brackets: 3.44 lbs.

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

WMC18 WMi18 - Mounting Hole Pattern

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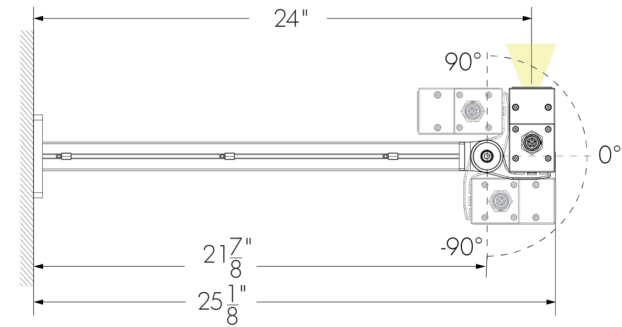Weight of two WMC18/WMi18 Mounting Brackets: 4.63 lbs.

One mounting bracket provided for 12 in fixtures. Two mounting brackets provided for 24 in, 36 in and 48 in fixtures.
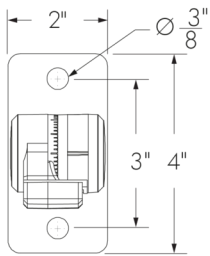
For proper hardware selection, use the dimensions of the mounting option, the weight and EPA values of the mounting option, and the weight and EPA values of the fixture and accessories for your engineering calculations.

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Specification Sheet

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WHITE AND STATIC COLORS

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

WMC24 WMi24 - Mounting Hole Pattern

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

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

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

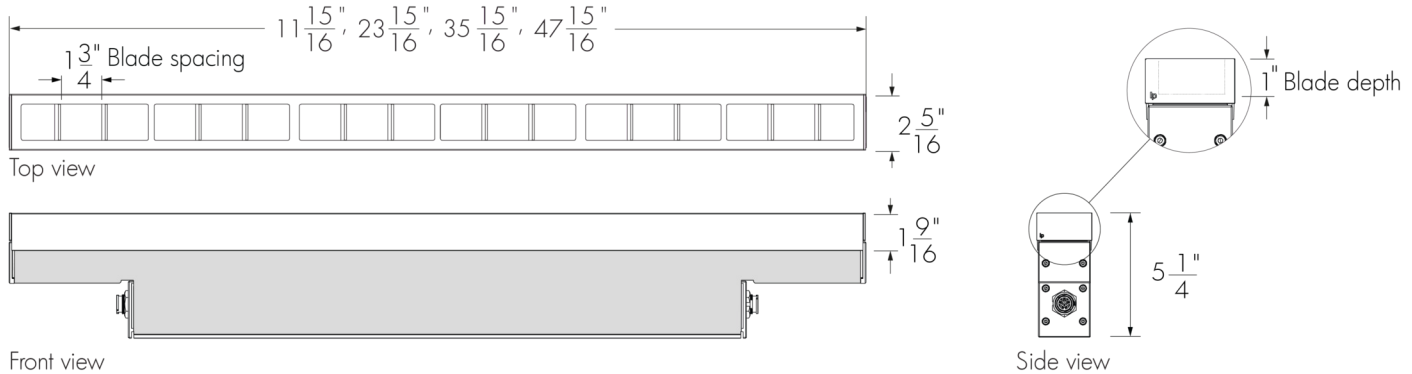## Cable Management System For Wall Mounting Brackets

Side view

Top view

0.08"

0.35"

Insert detail view

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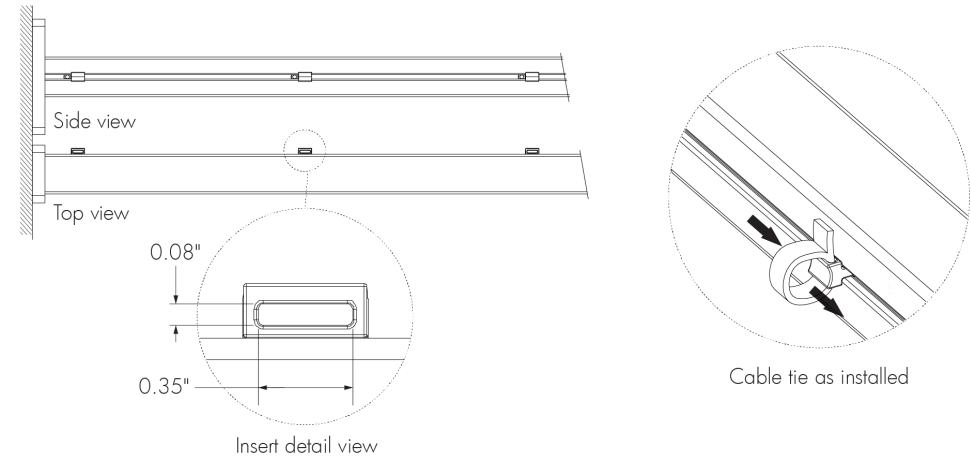
1 cable attachment provided for WMC6 and WMi6 mounting arms.
2 cable attachments provided for WMC12, WMi12, WMC18 and WMi18 mounting arms.
3 cable attachments provided for WMC24 and WMi24 mounting arms.

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

Specification Sheet

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WHITE AND STATIC COLORS

Accessories

LV - Radial Louver

$11\frac{15}{16}$", $23\frac{15}{16}$", $35\frac{15}{16}$", $47\frac{15}{16}$"

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

Top view

$2\frac{5}{16}$"

Front view

$1\frac{9}{16}$"

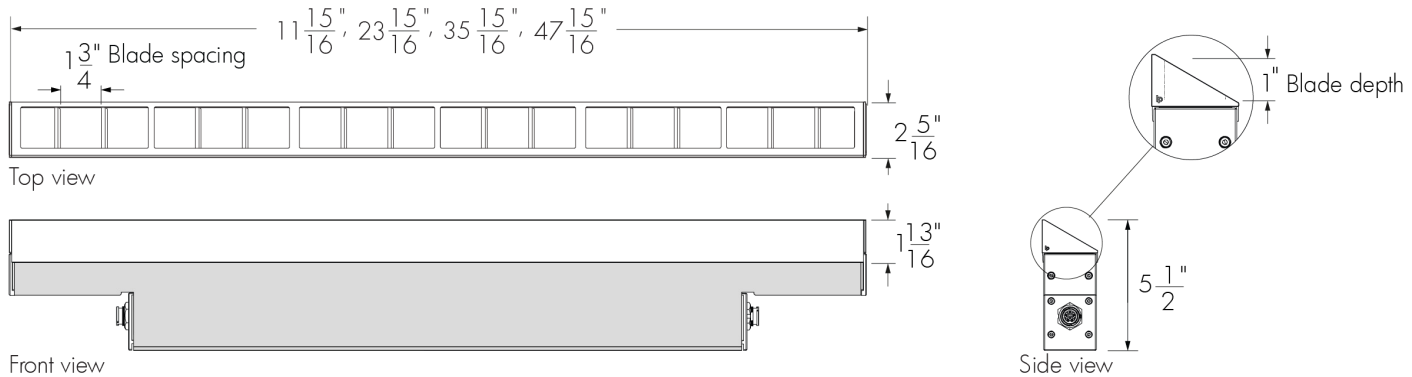1" Blade depth

Side view

$5\frac{1}{4}$"

- 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

$11\frac{15}{16}$", $23\frac{15}{16}$", $35\frac{15}{16}$", $47\frac{15}{16}$"

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

Top view

$2\frac{5}{16}$"

Front view

$1\frac{13}{16}$"

1" Blade depth

Side view

$5\frac{1}{2}$"

- 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.

Specification Sheet

Lumenfacade
Max
Continuous Run
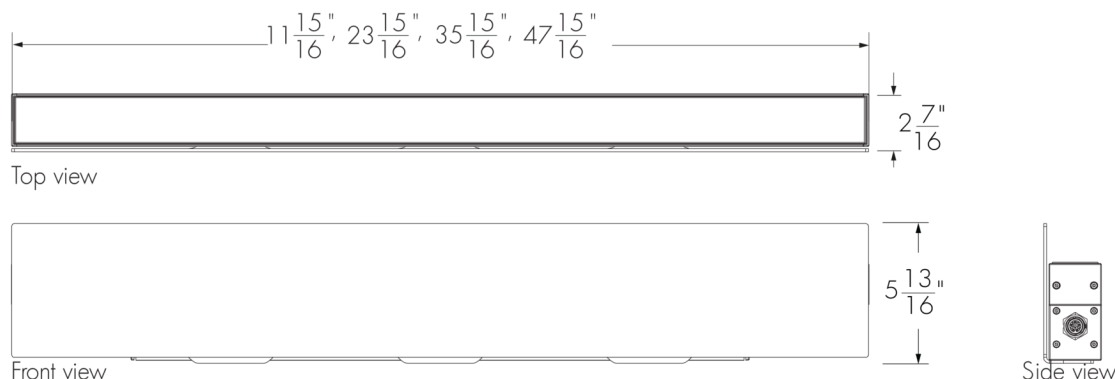**LFM-CR**

WHITE AND STATIC COLORS

VS - Visor
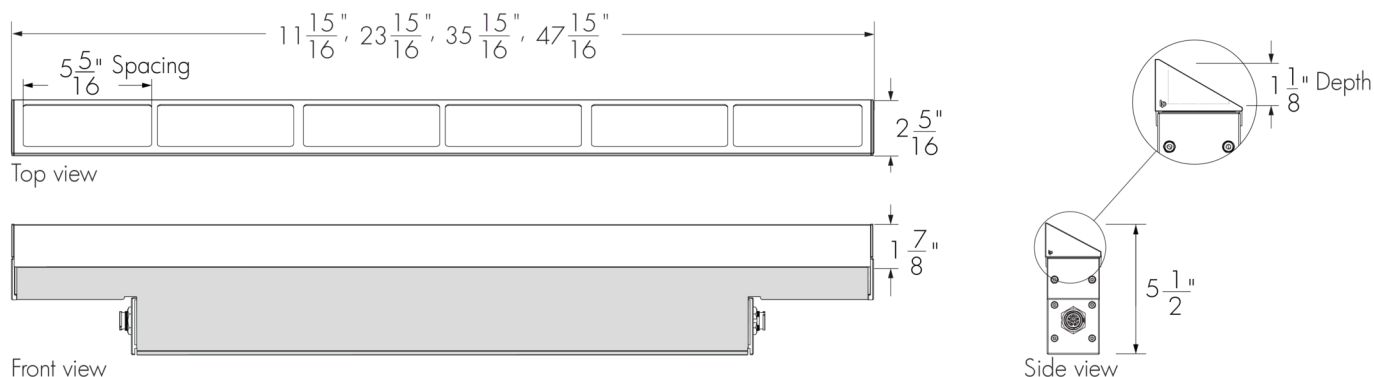
- A Visor will affect beam distribution. Consult factory for application support.
- The Visor is field installable. The Visor can be combined with the Shield accessory; all other combinations are not possible.
- The exterior finish of the accessory will match the finish specified in the fixture order code with the exception of the inside surface of the Visor end caps, which are painted the same colour as the fixture. Interior surface painted matte black.
- Consult EPA Guide in the specification sheet for engineering calculations.

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

SH - Shield

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

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

Specification Sheet

Lumenfacade
Max
Continuous Run
LFM-CR

WHITE AND STATIC COLORS

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
CL Clear Lens	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✕	✕	✔
HFR Half-Frosted Lens	✔	✔	✔	✔	✔	✕	✕	✕	✕	✕	✕	✕	✕	✕	✕	✔	✔	✕
FR 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
CL Clear Lens	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✕	✔
HFR Half-Frosted Lens	✔	✔	✔	✔	✕	✕	✕	✕	✕	✕	✕	✕	✕	✕	✔	✔	✕
FR Frosted Lens	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔

✔ Lens option
✕ Not available

Specification Sheet

Lumenfacade
Max
Continuous Run
LFM-CR

WHITE AND STATIC COLORS

Half-Frosted Lens Details

Left Feeding Side
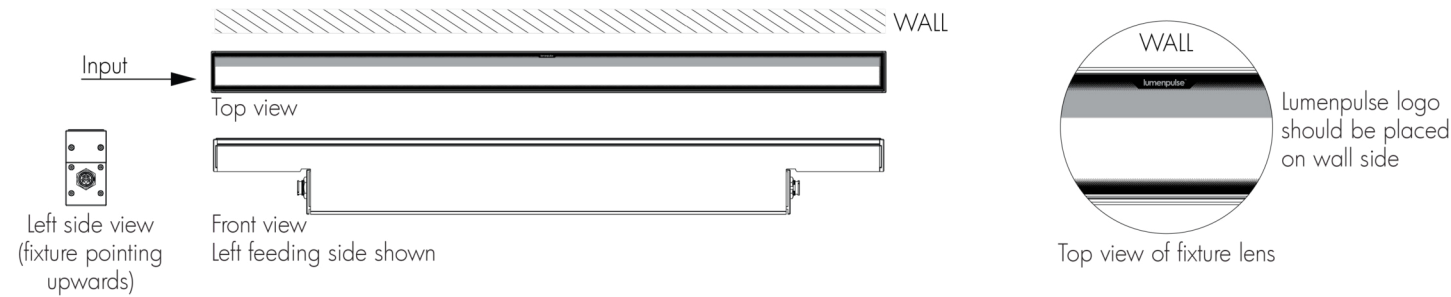
WALL

Input

Top view

Left side view
(fixture pointing
upwards)

Front view
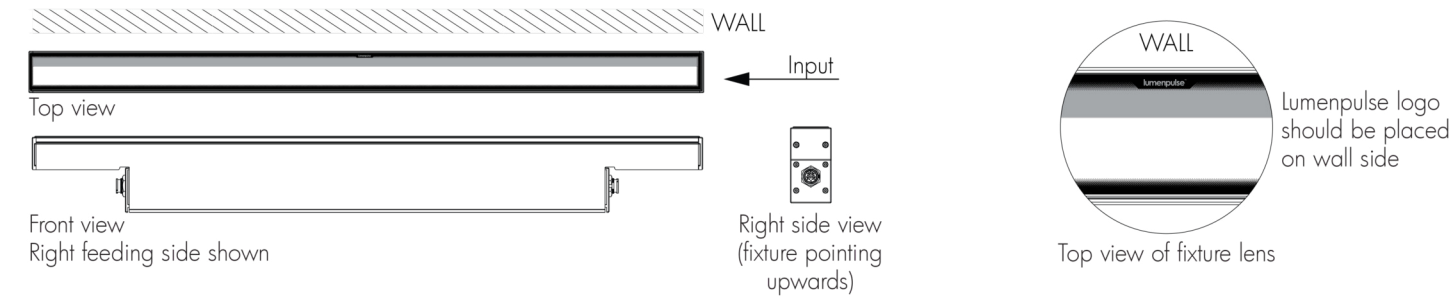Left feeding side shown

WALL

Lumenpulse logo
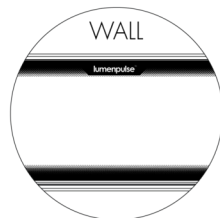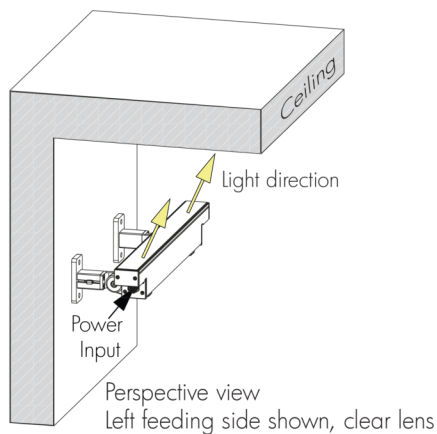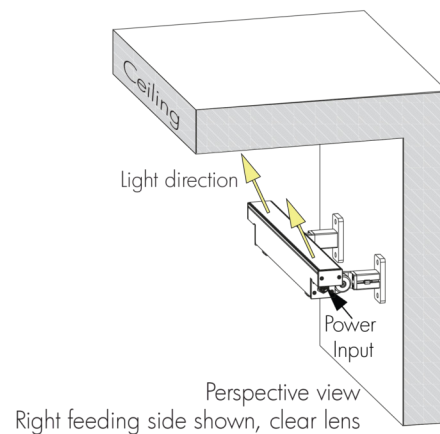should be placed
on wall side

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.
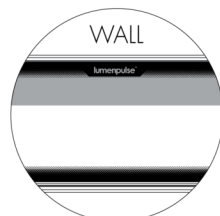
Right Feeding Side

WALL

Input

Top view

Front view
Right feeding side shown

Right side view
(fixture pointing
upwards)

WALL

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.
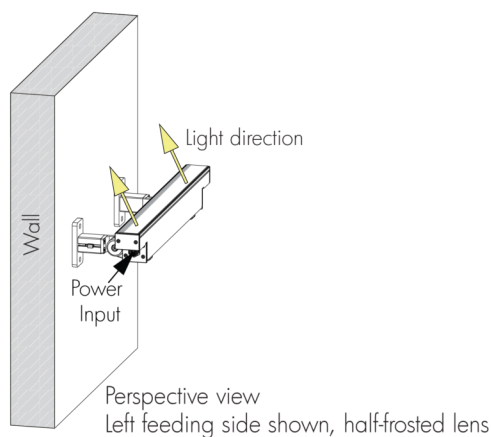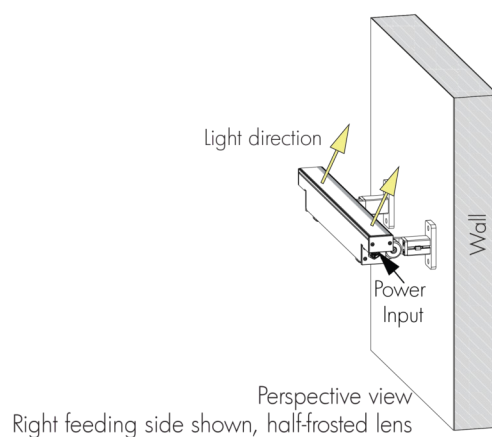
Specification Sheet

Lumenfacade
Max
Continuous Run
LFM-CR

WHITE AND STATIC COLORS

Ceiling Asymmetric Optic Details

Light direction

Power Input

Perspective view
Left feeding side shown, clear lens

WALL

Top view of fixture lens

Lumenpulse logo should
be placed on wall side

Light direction

Power Input

Perspective view
Right feeding side shown, clear lens

- 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

Light direction

Power Input

Perspective view
Left feeding side shown, half-frosted lens

WALL

Top view of fixture lens

Lumenpulse logo should
be placed on wall side

Light direction

Power Input

Perspective view
Right feeding side shown, half-frosted 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.
- **Narrow Asymmetric optic guidelines:** 12 in minimum setback,1:10 setback ratio (based on HFR lens).
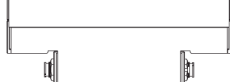- **Asymmetic Wallwash optic guidelines:** 6 in minimum setback,1:8 setback ratio (based on HFR lens).
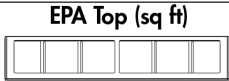
EPA Guide - Fixture

Fixture

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

EPA Guide - Fixture with Accessory

Fixture With Radial Louver Accessory

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

Fixture With Radial Louver Asymmetric Accessory

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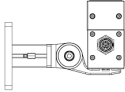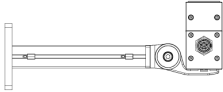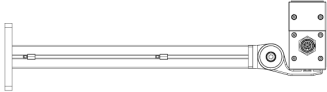
Fixture With Visor Accessory

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

Fixture With Shield Accessory

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

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EPA Guide - Mounting Option

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

Specification Sheet

Lumenfacade
Max
Continuous Run
LFM-CR

WHITE AND STATIC COLORS

Resolution Details

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

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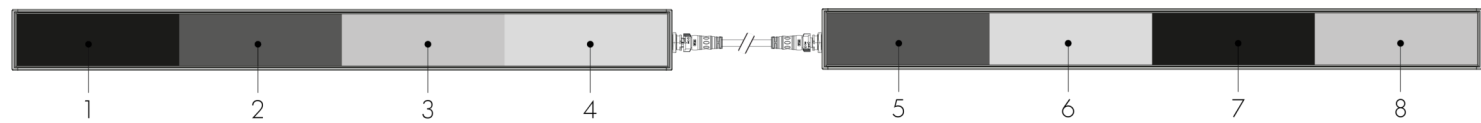
DMX/RDM Control, Resolution Per Fixture: Each Fixture is Addressed Independently
DMX Aaddresses:

| 1 | 2 |
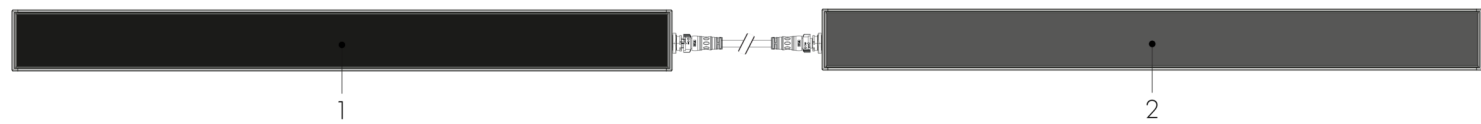
- 48 in fixtures shown.
- Applicable for DMX/RDM control option only. Fixture resolution can be configured on-site within the LumenID V3 software. A DMX/RDM enabled CBX is required.

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 Control (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 10W/ft

Voltage	120V	230V	277V
Maximum Run of Fixtures	112ft	268ft	324ft

Lumenfacade Max 22W/ft

Voltage	120V	230V	277V
Maximum Run of Fixtures	64ft	128ft	152ft

Based on 48 in fixtures, NO (on/off) control, 25 ft leader cable for an end-to-end run with 2 ft jumper cables between fixtures. Refer to Typical Wiring Diagrams for Control Protocol specific run length rules.

Specification Sheet

Lumenfacade
Max
Continuous Run
LFM-CR

WHITE AND STATIC COLORS

DMX/RDM Control (DMX/RDM)

Lumenfacade Max 10W/ft

Voltage	**120V**	**230V**	**277V**
Maximum Run of Fixtures	112ft	128ft	128ft

Lumenfacade Max 22W/ft

Voltage	**120V**	**230V**	**277V**
Maximum Run of Fixtures	64ft	128ft	128ft

Based on 48 in fixtures, DMX/RDM control, 25 ft leader cable for an end-to-end run with 2 ft jumper cables between fixtures. Refer to Typical Wiring Diagrams for Control Protocol specific run length rules.

Specification Sheet

Lumenfacade
Max
Continuous Run
LFM-CR

WHITE AND STATIC COLORS

Typical Wiring Diagrams

NO - On/Off Control, DIM - 0-10V Dimming and DALI - DALI 2 T6 Control
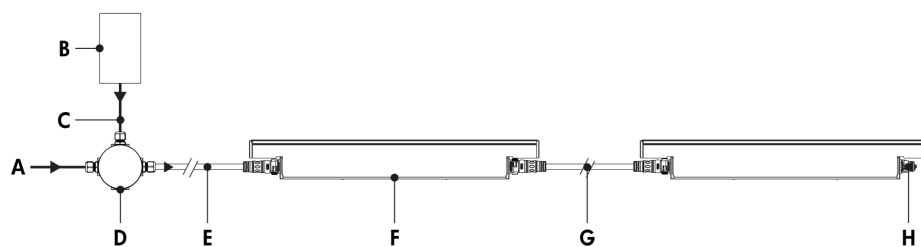
A - Power input (120 to 277V, wiring by others)
B - Dimmer/controller (for DIM and DALI control options, by others)
C - Data input (for DIM and DALI control options, wiring by others)
D - Junction box (by others)
E - Leader Cable (LFLC XC3P2D)
F - Lumenfacade Max Continuous Run (LFM-CR)
G - Sealing End 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)
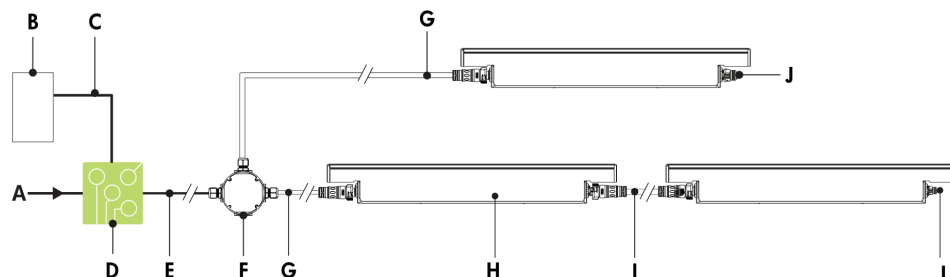
A - Power input (120 to 277V, wiring by others)
B - Dimmer/controller (order separately from Lumenpulse, or by others)
C - Data wiring (by others)
D - Lumentranslator 2 (LTL2-DIM, -DMX, -TRIAC, -DALI)
E - Power wiring (by others)
F - Junction box (by others)
G - Leader Cable (LFLC XC3P2D)
H - Lumenfacade Max Continuous Run LFM-CR
I - Jumper Cable (LFJC XC3P2D)
J - Sealing End Cap

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

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

Specification Sheet
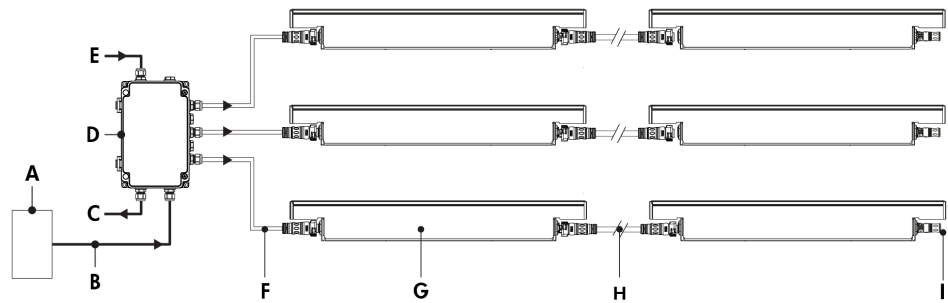
Lumenfacade
Max
Continuous Run
LFM-CR

WHITE AND STATIC COLORS

Star Layout (DMX/RDM)

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

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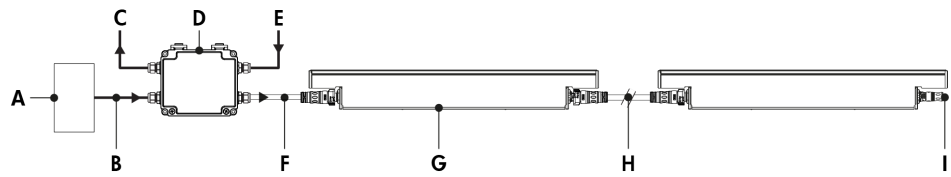
A - Third-party DMX/RDM controller
B - Data input (Belden 9841 or equivalent, by others)
C - Data output to next CBX (optional, not isolated/not boosted)
D - CBX-DS
E - Power input (120 to 277V, wiring by others)
F - Leader Cable (LFLC XC3P3D)
G - Lumenfacade Max Continuous Run (LFM-CR)
H - Jumper Cable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

Refer to installation instructions for additional wiring details.

- Consult CBX installation instructions for additional wiring details.
- 1000 ft maximum DMX/RDM "Bus" length.
- 1 DMX universe = 128 @ 3-channel controllable segments.
- Maximum of 4 DMX/RDM repeaters/CBX cascading in line.
- Maximum of 6 outputs per CBX-ST; maximum of 1 output per CBX-DS.

™

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JC- R3

Specification Sheet

Lumenfacade
Max
Continuous Run
LFM-CR

WHITE AND STATIC COLORS

Leader Cable (Order Separately)

LFLC - Lumenfacade Leader Cable (XC3P2D)
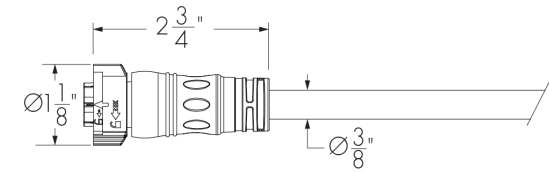
LFLC - Lumenfacade Leader Cable (XC3P3D)
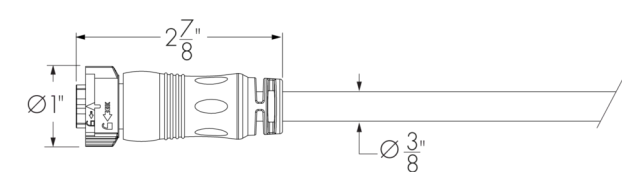
UL version shown. Consult European specification sheet for CE cable details.

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.

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JC- R3

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Specification Sheet

Lumenfacade
Max
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LFM-CR

WHITE AND STATIC COLORS

Jumper Cable (Order Separately)

LFJC - Lumenfacade Jumper Cable (XC3P2D)
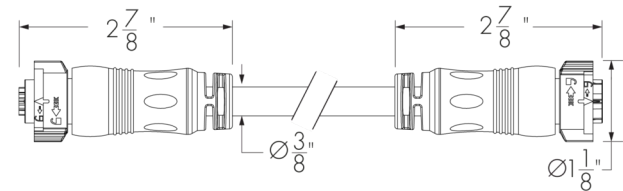
UL version shown. Consult European specification sheet for CE cable details.

LFJC - Lumenfacade Jumper Cable (XC3P3D)

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

LFJC-CERTIFICATION-VOLTAGE-LENGTH-CONNECTOR/CABLE TYPE-CONNECTOR SHAPE-CABLE/CONNECTOR COLOR
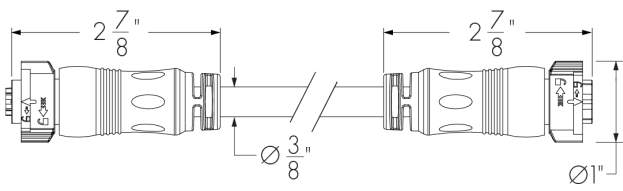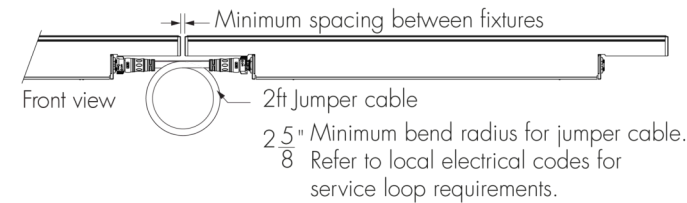
Please specify:
CERTIFICATION: UL or CE; **VOLTAGE:** 120_277; **LENGTH**: 1 ft, 2 ft, 5 ft, 10 ft, 25 ft or 50 ft; **CONNECTOR/CABLE TYPE:** XC3P2D (5x 16AWG X-lock size) or XC3P3D (3x14AWG + 3x24AWG X-lock C-size); **CONNECTOR SHAPE:** 180D (straight connector); **CABLE/CONNECTOR COLOR**: BK (Black) 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.

- For closely spaced fixtures, a minimum jumper cable length of 2 ft is recommended to accommodate a cable loop between fixtures.
- Minimum spacing for 36 in and 48 in fixtures in a row: 0.35 in.
- Minimum spacing for 12 in and 24 in fixtures at the end of a fixture run, next to 36 in and 48 in fixtures: 0.35 in.
- Minimum spacing for 12 in and 24 in fixtures in a row: 2.75 in.
- Minimum bend radius 2.56 in.

Specification Sheet

Lumenfacade
Max
Continuous Run
LFM-CR

WHITE AND STATIC COLORS

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)

Input for
Leader Cable
(Male pin)

$3\frac{15}{16}$"

$2\frac{1}{2}$"

Side view

Front view

Side view

Output for
Jumper Cable
(Female pin)

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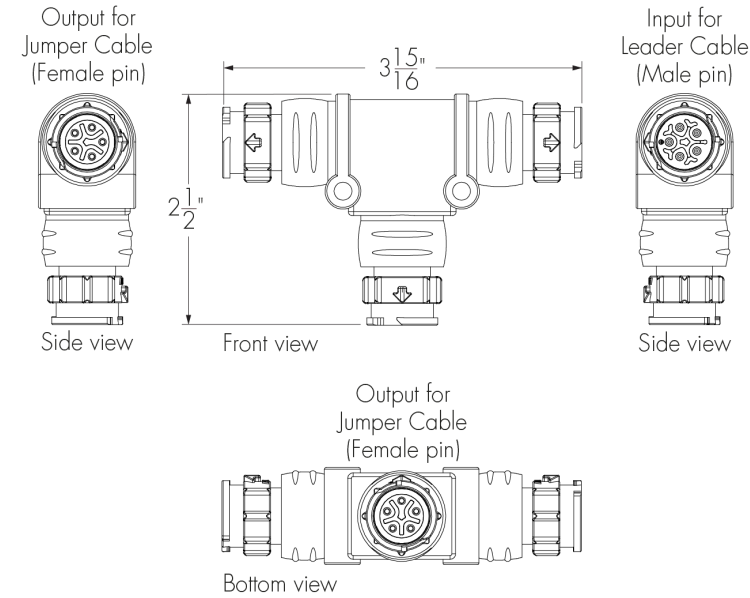
LFTJ-**CONNECTOR/CABLE TYPE-CABLE/CONNECTOR COLOR**

Please specify:

CONNECTOR/CABLE TYPE: XC3P2D (5x 16AWG X-lock size); **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.

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www.lumenpulse.com   www.lumenpulse.com/products/2992

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Specification Sheet

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Max
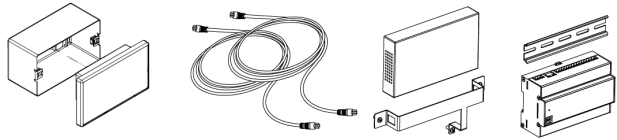**Continuous Run**
LFM-CR

WHITE AND STATIC COLORS

Control Systems (Order Separately)

LTN2 - Lumentone™ 2

Lumentone 2 is a simple pre-programmed DMX 512 controller with a push button rotary dial and live feedback.
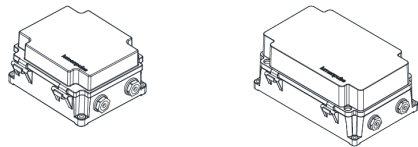
PHAROS - Pharos® Kit

The Pharos kit, available for 1 or 2 DMX universes, allows for complete control of large lighting installations. 2 DMX universes kit shown.
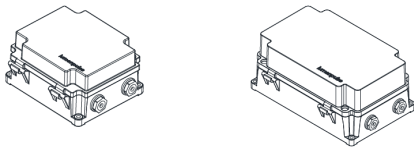
Control Boxes (Order Separately)

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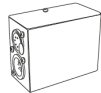
CBX-ENET - Ethernet Enabled (Daisy Chain or Star Configuration)

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.

Diagnostic And Addressing Tools (Order Separately)

LID - LumenID

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

LID-LT - LumentalkID

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

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Specification Sheet

How to Order

Housing	Type	Certification	Voltage	Length	Wattage	Color and Color Temperature	Color Rendering [7]	Optic	Lens
LFM Lumenfacade Max	**CR** Continuous Run	**UL** UL Compliant [1] **CE** CE Compliant (Class I) [2] [3]	**120_277** 120 volts to 277 volts [4] **230** 220 to 240 volts [5]	**12** 12 in [4] [6] **24** 24 in **36** 36 in **48** 48 in	**10W** 10 W/ft **22W** 22 W/ft [7]	**22K** 2200K **27K** 2700K **30K** 3000K **35K** 3500K **40K** 4000K **RD** Red [8] [9] **GR** Green [8] [9] **BL** Blue [8] [9] **AMB** Phosphor Converted Amber (PC Amber) [8] [9]	**80** CRI 80+ [10]	**8x8** 8° x 8° [7] [11] **10x10** 10° x 10° [11] **10x30** 10° x 30° **10x60** 10° x 60° **10x90** 10° x 90° **30x30** 30° x 30° [12] **30x60** 30° x 60° [12] **30x90** 30° x 90° [12] **60x60** 60° x 60° [12] **90x90** 90° x 90° [12] **30x10** 30° x 10° [12] **60x10** 60° x 10° [12] **60x30** 60° x 30° [12] **90x10** 90° x 10° [12] **W** Wide 120° [12] **NAS** Narrow Asymmetric [13] [14] **WW** Asymmetric Wallwash [15] **CAS** Ceiling Asymmetric [12]	**CL** Clear Lens [16] **HFR** Half-Frosted Lens [17] **FR** Frosted Lens [18]

Notes:

1. Available for 120_277 voltage option only.

2. Available for 230 voltage option only.

3. Available for 24 in, 36 in and 48 in fixture lengths only.

4. Available for UL certification only.

5. Available for CE certification only.

6. The 12 in length is available for 120_277V voltage option only.

7. Available for 22K, 27K, 30K, 35K and 40K color temperatures only.

8. Available for 10x10, 10x30, 10x60, 10x90, 30x30, 30x60, 30x90, 60x60, 90x90, 30x10, 60x10, 60x30, 90x10, W, NAS, WW and CAS optics only.

9. Available for 10 W/ft version only.

10. Consult factory for CRI 90+.

11. For best results use a minimum 3 in setback from surface. Contact factory for application support.

12. Can be combined with a CL or FR lens only.

13. Can be combined with a HFR or FR lens only for 22K, 27K, 30K, 35K and 40K color temperature options only.

14. Can be combined with a CL, HFR or FR lens for RD, GR, BL, AMB static colors.

15. Can be combined with a HFR or FR lens only.

16. When CL lens is combined with NAS or CAS optic, LF or RF feeding side must be specified.

17. When HFR lens is specified, LF or RF feeding side must be specified.

18. When FR lens is combined with WW, NAS or CAS optic, LF or RF feeding side must be specified.

Specification Sheet

Lumenfacade
Max
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WHITE AND STATIC COLORS

How to Order

Feeding Side	Control	Vibration Rating	Mounting Option (26)	Environment	Finish	Accessories (38) (39)	Buy America.n Act
NF No Feed Information Required **LF** Left Feeding Side **RF** Right Feeding Side	**NO** On/Off Control **DIM** 0-10V Dimming (19) **DALI** DALI 2 T6 Control (19) (20) **LT** Lumentalk (19) (21) **DMX/RDM** DMX/RDM Enabled (19) (22)	**NVR** No Vibration Rating Required (23) **VRN** Vibration Rated for Normal Applications (24) **VRBO** Vibration Rated for Bridge and Overpass (25)	**SM** Slim Adjustable Mounting Continuously Adjustable (110° Pivot Limit) (27) (28) **FX** Fixed Mounting (0° Pivot Limit) (29) **WMC1** Wall Mounting Continuously Adjustable, 1.5 in to Optical Center (180° Pivot Limit) (28) (30) **WMi1** Wall Mounting Incrementally Adjustable by 6°, 1.5 in to Optical Center (180° Pivot Limit) (29) **WMC3** Wall Mounting Continuously Adjustable, 3.5 in to Optical Center (130° Pivot Limit) (28) (30) **WMi3** Wall Mounting Incrementally Adjustable by 6°, 3.5 in to Optical Center (130° Pivot Limit) (29) **WMC6** Wall Mounting Continuously Adjustable, 6 in to Optical Center (170° Pivot Limit) (28) (31) **WMi6** Wall Mounting Incrementally Adjustable by 6°, 6 in to Optical Center (170° Pivot Limit) (32) **WMC12** Wall Mounting Continuously Adjustable, 12 in to Optical Center (180° Pivot Limit) (28) (31) **WMi12** Wall Mounting Incrementally Adjustable by 6°, 12 in to Optical Center (180° Pivot Limit) (32) **WMC18** Wall Mounting Continuously Adjustable, 18 in to Optical Center (180° Pivot Limit) (28) (31) **WMi18** Wall Mounting Incrementally Adjustable by 6°, 18 in to Optical Center (180° Pivot Limit) (32) **WMC24** Wall Mounting Continuously Adjustable, 24 in to Optical Center (180° Pivot Limit) (27) (28) **WMi24** Wall Mounting Incrementally Adjustable by 6°, 24 in to Optical Center (180° Pivot Limit) (27) (28)	**XD** Extra durable multi-step finish (33) (34)	**BK** Black Sandtex® **BRZ** Bronze Sandtex® **SI** Silver Sandtex® **WH** Smooth White **BKTX** Textured Black **BRZTX** Textured Bronze Non-Metallic **GRATX** Textured Medium Gray **GRNTX** Textured Green **WHTX** Textured White **CC** Custom Color & Finish (35) (36) (37)	**NA** No accessory **LV** Radial Louver (40) **LVAS** Radial Louver Asymmetric **VS** Visor **SH** Shield (27) (41)	**BAA** Buy America.n (4) (42)

Notes:

4. Available for UL certification only.

19. Minimum dimming value is less than 1%.

20. DALI Type 6 controller required, provided by others.

21. A Lumentranslator 2 (LTL2) and LumentalkID (LIDLT) must be specified for Lumentalk applications. Consult Lumentranslator 2 and Lumentalk pages and specification sheets for details.

22. A Control Box (CBX) and LumenID (LID) must be specified.

23. Available for all mounting options.

24. Available for FX, WMC1, WMi1, WMC3, WMi3, WMC6, WMi6, WMC12, WMC18 and WMi18 mounting options.

25. Available for FX, WMi1, WMi3, WMi6, WMi12 and WMi18 mounting options.

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

27. Available with NVR vibration rating only.

28. Not suitable for bridge and overpass applications.

29. Vibration tested in accordance with ANSI 136.31 2018 at 3Gv.

30. Vibration tested in accordance with ANSI 136.31 2018 at 1.5Gv.

31. Vibration tested in accordance with ANSI 136.31 2018 at 2.3Gv.

32. Vibration tested in accordance with ANSI 136.31 2018 at 4.6Gv.

33. Zirconium pretreatment completed with corrosion-resistant primer and electrostatically-applied powder coat paint finish.

34. For natatorium or full salt spray applications, consult factory.

35. 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.

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

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

38. SH accessory can be combined with LV, LVAS or VS accessories. All other combinations are not possible.

39. The exterior finish of the accessory will match the finish specified in the fixture order code (interior surface painted matte black).

40. Available for 8x8, 10x10, 10x30, 10x60, 10x90, 30x30, 30x60, 30x90, 60x60, 90x90, 30x10, 60x10, 60x30, 90x10 and W optics only.

41. Not suitable for bridge and overpass applications. The Shield can be installed in zones with wind speeds up to 120 mph. Consult factory for zones with wind speeds higher than 120 mph.

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