Specification Sheet

Lumenfacade
Max
Continuous Horizontal
LFM-CH

COLOR CHANGING

Project Name _____ **Qty** _____

Type _____ **Catalog / Part Number** _____

MRGBWP Configuration Shown

(2 $\frac{1}{4}$" on 1ft fixtures)
(2 $\frac{1}{2}$" on 2ft fixtures)
Leader Cable (LFLC)
5"

Top View

11 $\frac{15}{16}$", 23 $\frac{15}{16}$", 35 $\frac{15}{16}$", 47 $\frac{15}{16}$"
4 $\frac{7}{8}$"
2 $\frac{1}{4}$"
$\frac{3}{8}$"

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

Front and Side Views
36 in Fixtures Shown

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

Symmetric

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

Asymmetric

	Delivered Output (lm)	Intensity (Peak cd)
NAS	3,763	22,970
WW	3,631	5,969
CAS	2,938	4,013

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

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

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

4.

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

Description

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

Features

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

Specification Sheet

Lumenfacade
Max
Continuous Horizontal
LFM-CH

COLOR CHANGING

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

Symmetric

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

Asymmetric

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

1. Based on MRGBA full output, {mm}[1218mm].

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

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

4.

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

Optic

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
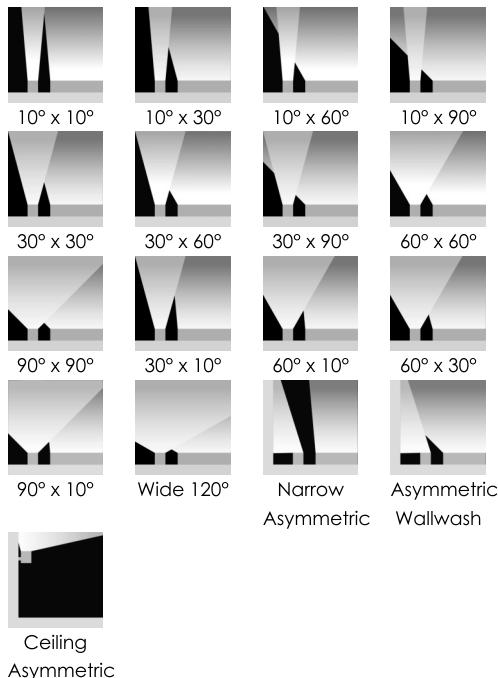
Continuously Adjustable Mounting Options	**SMH:** Slim Adjustable Mounting Horizontal Continuously Adjustable (100˚ Pivot Limit) **WMCH6:** Wall Mounting Horizontal Continuously Adjustable, 6 in to Optical Center (180˚ Pivot Limit) **WMCH18:** Wall Mounting Horizontal Continuously Adjustable, 18 in to Optical Center (180˚ Pivot Limit)	**WMCH3:** Wall Mounting Horizontal Continuously Adjustable, 3.5 in to Optical Center (120˚ Pivot Limit) **WMCH12:** Wall Mounting Horizontal Continuously Adjustable, 12 in to Optical Center (180˚ Pivot Limit) **WMCH24:** Wall Mounting Horizontal Continuously Adjustable, 24 in to Optical Center (180˚ Pivot Limit)
Incrementally Adjustable Mounting Options	**WMiH3:** Wall Mounting Horizontal Incrementally Adjustable by 6˚, 3.5 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 (Opticolor)	1,012 lm (6 W/ft, 48 in fixture, MRGBA, 10° x 10°, CL lens, DMX/RDM) 1,790 lm (10 W/ft, 48 in fixture, MRGBA, 10° x 10°, CL lens, DMX/RDM) 3,480 lm (22 W/ft, 48 in fixture, MRGBA, 10° x 10°, CL lens, DMX/RDM) Refer to Photometric Guide on Lumenpulse website for information on other color temperatures.
Maximum Delivered Output (Opticolor+)	1,145 lm (6 W/ft, 48 in fixture, MRGBWP, 10° x 10°, CL lens, DMX/RDM) 1,917 lm (10 W/ft, 48 in fixture, MRGBWP, 10° x 10°, CL lens, DMX/RDM) 3,821 lm (22 W/ft, 48 in fixture, MRGBWP, 10° x 10°, CL lens, DMX/RDM) Refer to Photometric Guide on Lumenpulse website for information on other color temperatures.

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2 / 27

Specification Sheet

Lumenfacade
Max
Continuous Horizontal
LFM-CH

COLOR CHANGING

Color and Color Temperature

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

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

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

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

Control

DMX/RDM

DALI T8

lumentalk

extendX

Finish

Black Sandtex®

Bronze Sandtex®

Silver Sandtex®

Smooth White

Textured Black

Textured Bronze Non-Metallic

Textured Medium Gray

Textured Green

Textured White

Custom Color & Finish

Certifications

Maximum Delivered Intensity (Opticolor)	13,499 cd at nadir (6 W/ft, 48 in fixture, MRGBA, 10° x 10°, CL Lens, DMX/RDM) 23,874 cd at nadir (10 W/ft, 48 in fixture, MRGBA, 10° x 10°, CL lens, DMX/RDM) 46,417 cd at nadir (22 W/ft, 48 in fixture, MRGBA, 10° x 10°, CL lens, DMX/RDM) Refer to Photometric Guide on Lumenpulse website for information on other color temperatures.
Maximum Delivered Intensity (Opticolor+)	15,271 cd (6 W/ft, 48 in fixture, MRGBWP, 10° x 10°, CL lens, DMX/RDM) 25,575 cd (10 W/ft, 48 in fixture, MRGBWP, 10° x 10°, CL lens, DMX/RDM) 50,958 cd (22 W/ft, 48 in fixture, MRGBWP, 10° x 10°, CL lens, DMX/RDM) Refer to Photometric Guide on Lumenpulse website for information on other color temperatures.
Illuminance at Distance (Opticolor)	Minimum 1 fc at 116 ft (6 W/ft, 48 in fixture, MRGBA, 10° x 10°, CL lens, DMX/RDM) Minimum 1 fc at 155 ft (10 W/ft, 48 in fixture, MRGBA, 10° x 10°, CL lens, DMX/RDM) Minimum 1 fc at 215 ft (22 W/ft, 48 in fixture, MRGBA, 10° x 10°, CL lens, DMX/RDM) Refer to Photometric Guide on Lumenpulse website for information on other color temperatures.
Illuminance at Distance (Opticolor+)	Minimum 1 fc at 124 ft (6 W/ft, 48 in fixture, MRGBWP, 10° x 10°, CL lens, DMX/RDM) Minimum 1 fc at 160 ft (10 W/ft, 48 in fixture, MRGBWP, 10° x 10°, CL lens, DMX/RDM) Minimum 1 fc at 226 ft (22 W/ft, 48 in fixture, MRGBWP, 10° x 10°, CL lens, DMX/RDM) Refer to Photometric Guide on Lumenpulse website for information on other color temperatures.
Lumen Maintenance	L70 (15K) > 90,000 hrs Ta 25 °C (TM-21 reported) L70 > 150,000 hrs Ta 25 °C (projected)* L90 (15K) = 55,400 hrs Ta 25 °C (TM-21 reported) L90 = 55,400 hrs Ta 25 °C (projected)* *Estimated based on in-situ case temperature and LM-80 report

Physical

Housing Material	Low copper content extruded aluminum
Lens Material	Tempered glass
Hardware Material	Stainless steel
End Cap Material	Die cast aluminum
Gasket Material	Silicone
Surface Finish	**XD:** Luminaire treated with extra-durable, multi-step finish: zirconium pretreatment completed with corrosion-resistant primer and electrostatically-applied, powder coat paint finish

Specification Sheet

Lumenfacade
Max
Continuous Horizontal
LFM-CH

COLOR CHANGING

Weight	5 lbs (12 in fixture)
	9.3 lbs (24 in fixture)
	14 lbs (36 in fixture)
	17.5 lbs (48 in fixture)

Electrical and Control

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

Environmental

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

Accessories (Order Separately)

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

Specification Sheet

Lumenfacade
Max
Continuous Horizontal
LFM-CH

COLOR CHANGING

Important

Virtual Patent Marking Notice

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

Photometric Information

6 W/ft (MRGBWP)

Symmetric

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

Asymmetric

	Delivered Output (lm)	Intensity (Peak cd)
NAS	1,128	6,884
WW	1,088	1,789
CAS	880	1,203

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

10 W/ft (MRGBWP)

Symmetric

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

Asymmetric

	Delivered Output (lm)	Intensity (Peak cd)
NAS	1889	11,529
WW	1822	2,996
CAS	1475	2,014

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

22 W/ft (MRGBWP)

Symmetric

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

Asymmetric

	Delivered Output (lm)	Intensity (Peak cd)
NAS	3,763	22,970
WW	3,631	5,969
CAS	2,938	4,013

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

Photometric performance is measured externally in compliance with IESNA LM-79-24.
10x10, 10x30, 10x60, 10x90, 30x30, 30x60, 30x90, 60x60, 90x90, 30x10, 60x10, 60x30, 90x10, W, NAS and CAS optics tested with CL lens. WW optic tested with HFR lens.

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

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5 / 27

Specification Sheet

Lumenfacade
Max
Continuous Horizontal
LFM-CH

COLOR CHANGING

## Color Point Information

MRGBWP

Dominant Wavelength and Chromaticity

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

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

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

Mounting Bracket Placement (Minimum and Maximum Distances)

12 in fixture

A

24 in fixture

B

36 in fixture

C

48 in fixture

D

Front 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

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.

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6 / 27

Specification Sheet

Lumenfacade
Max
Continuous Horizontal
LFM-CH

COLOR CHANGING

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
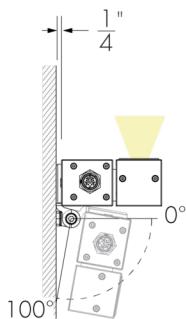
SMH - Mounting Hole Pattern
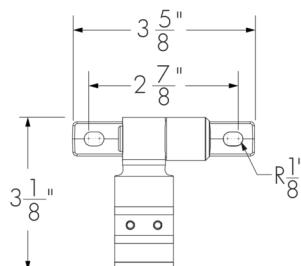
Not suitable for pole-mounted or bridge and overpass applications.

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.

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7 / 27

Specification Sheet

Lumenfacade
Max
Continuous Horizontal
LFM-CH

COLOR CHANGING

WMCH3 - Wall Mounting Horizontal Continuously Adjustable, 3.5 in to Optical Center

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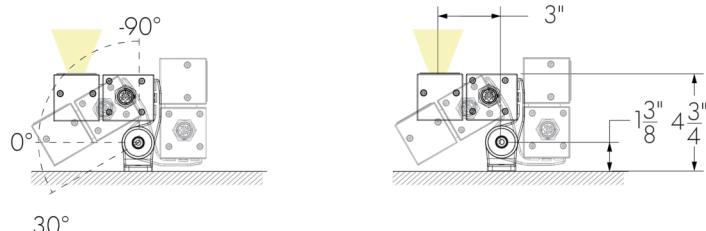
WMCH3 WMiH3 - Mounting Hole Pattern

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.

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8 / 27

Specification Sheet

Lumenfacade
Max
Continuous Horizontal
LFM-CH

COLOR CHANGING

WMCH6 - Wall Mounting Horizontal Continuously Adjustable, 6 in to Optical Center

WMiH6 - Wall Mounting horizontal Incrementally Adjustable by 6˚, 6 in to Optical Center

WMCH6 WMiH6 - Mounting Hole Pattern
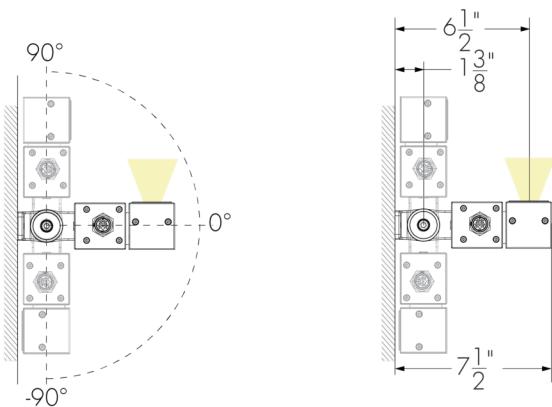
Weight of one WMCH6/WMiH6 Mounting Bracket: 0.62 lbs.
Weight of two WMCH6/WMiH6 Mounting Brackets: 1.23 lbs.

WMCH12 - Wall Mounting Horizontal Continuously Adjustable, 12 in to Cptical Center

WMiH12 - Wall Mounting Horizontal Incrementally Adjustable by 6˚, 12 in to Optical Center
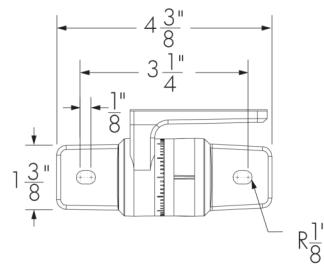
WMCH12 WMiH12 - Mounting Hole Pattern

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.

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9 / 27

Specification Sheet

Lumenfacade
Max
Continuous Horizontal
LFM-CH

COLOR CHANGING

WMCH18 - Wall Mounting Horizontal Continuously Adjustable, 18 in to Optical Center
WMi1H8 - 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
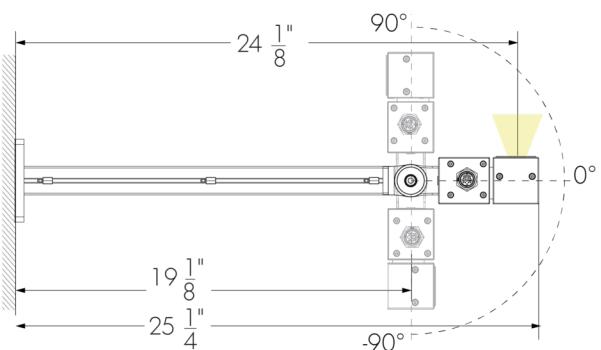
Weight of one WMCH24/WMiH24 Mounting Bracket: 2.65 lbs.
Weight of two WMCH24/WMiH124 Mounting Brackets: 5.29 lbs.

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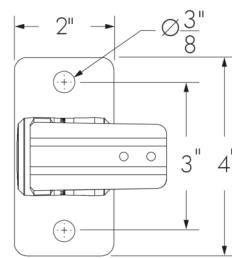
WMCH24 WMiH24 - Mounting Hole Pattern

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

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

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10 / 27

Specification Sheet

Lumenfacade
Max
Continuous Horizontal
LFM-CH

COLOR CHANGING

Cable Management System for Wall Mounting Brackets

Side view

Top view

0.08"

0.35"
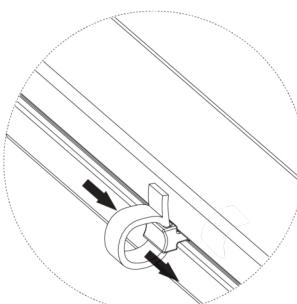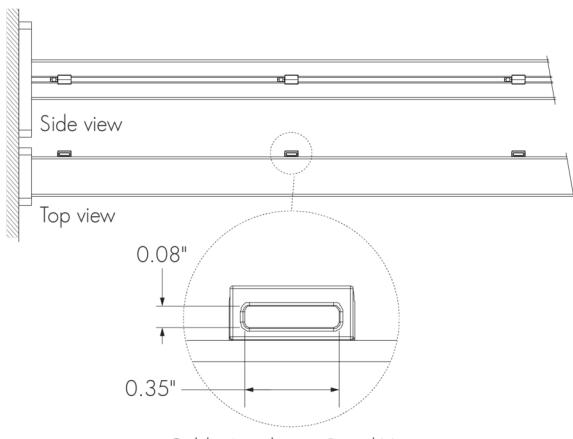
Cable Attachment Detail View

Cable tie as installed

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.

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11 / 27

Specification Sheet

Lumenfacade
Max
Continuous Horizontal
LFM-CH

COLOR CHANGING

Accessories

LV - Radial Louver

Top view

Front view

Side view

Blade spacing

1" Blade depth

- 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

Top view

Front view

Side view

Blade spacing

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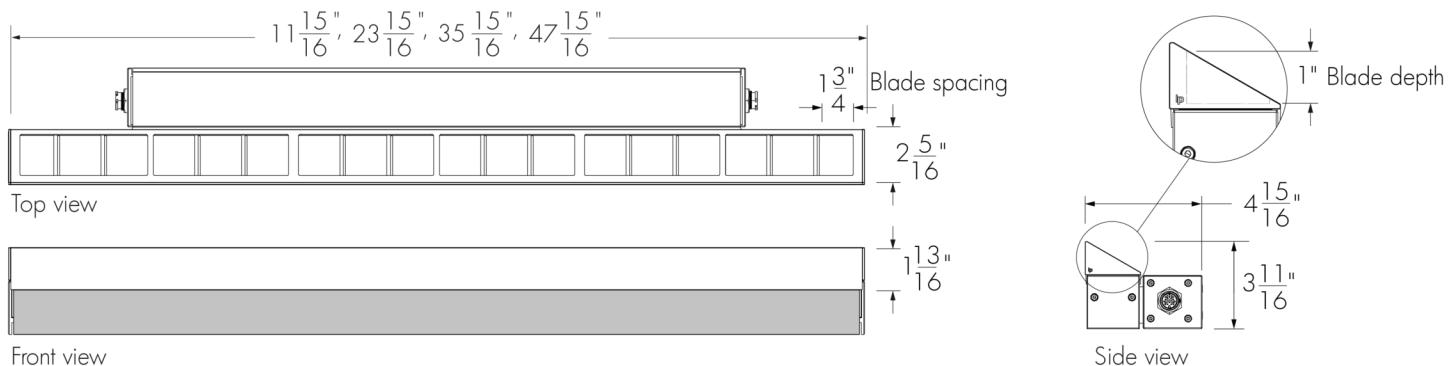
- A Radial Louver Asymmetric will affect beam distribution. Consult factory for application support.
- The Radial Louver Asymmetric is field installable. The Radial Louver Asymmetric can be combined with the Shield accessory; all other combinations are not possible.
- The exterior finish of the accessory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

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12 / 27

Specification Sheet

Lumenfacade
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COLOR CHANGING

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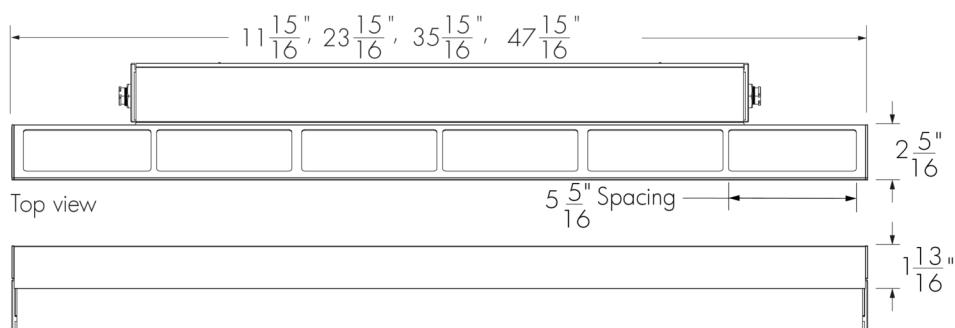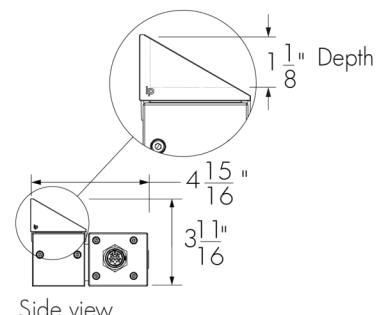
- A Visor will affect beam distribution. Consult factory for application support.
- The Visor is field installable. The Visor can be combined with the Shield accessory; all other combinations are not possible.
- The exterior finish of the accessory will match the finish specified in the fixture order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

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

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13 / 27

Specification Sheet

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Continuous Horizontal
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COLOR CHANGING

Lens and Optics Combinations Table

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

✔ Lens option
✕ Not available

Half-Frosted Lens Details

Left Feeding Side
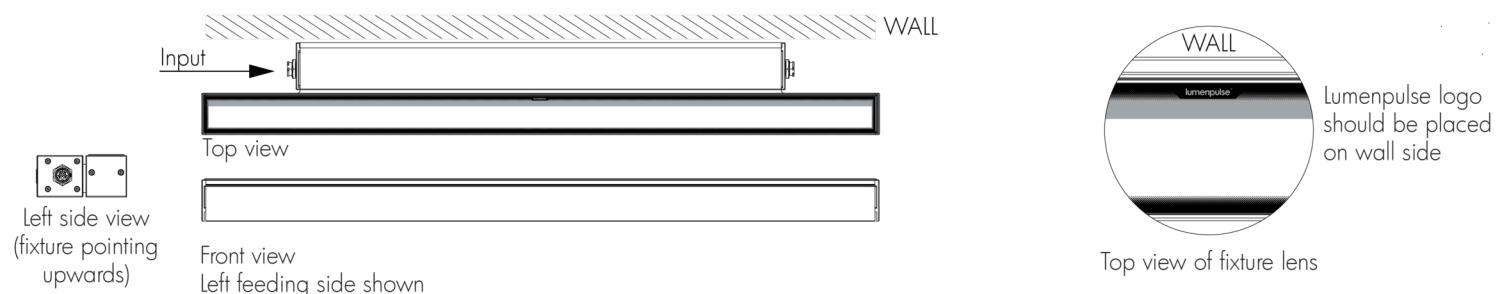
Input

WALL

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.

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14 / 27

Specification Sheet

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Continuous Horizontal
LFM-CH

COLOR CHANGING

Ceiling Asymmetric Optic Details

Perspective view
Left feeding side shown, clear lens

Top view of fixture lens

Lumenpulse logo should
be placed on wall side

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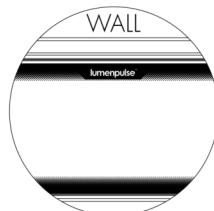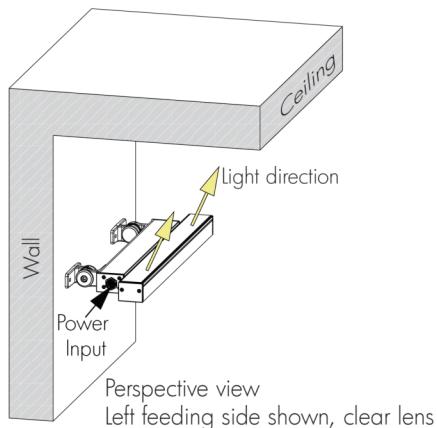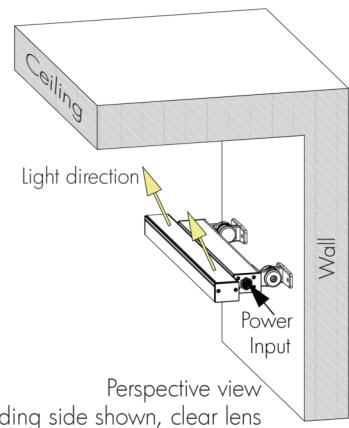
- Always position Lumenpulse logo on lens along the wall.
- Fixture's feeding side is based on uplight installations. Feeding sides are reversed when fixture is used in a downlight application.
- **Ceiling Asymmetric optic guidelines:** 18 in minimum setback, 1:5 setback/canopy depth ratio (based on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

Narrow Asymmetric and Asymmetric Wallwash Optics Details
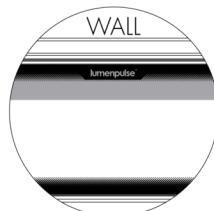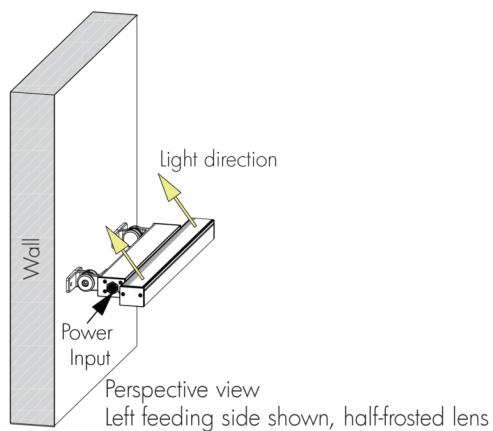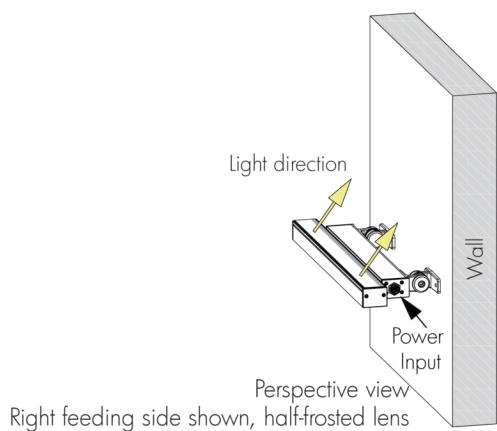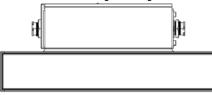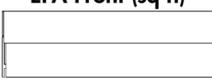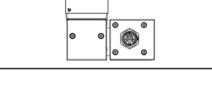
Perspective view
Left feeding side shown, half-frosted lens

Top view of fixture lens

Lumenpulse logo should
be placed on wall side

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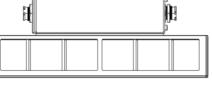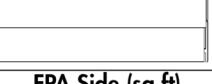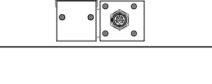
	12 in	24 in	36 in	48 in
EPA Top (sq ft)	0.403	0.928	1.333	1.858
EPA Front (sq ft)	0.241	0.483	0.726	0.968
EPA Side (sq ft)	0.099	0.099	0.099	0.099

Specification Sheet

Lumenfacade
Max
Continuous Horizontal
LFM-CH

COLOR CHANGING

EPA Guide - Fixture with Accessory
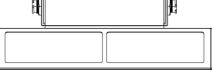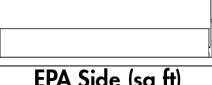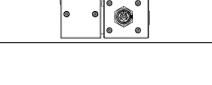
Fixture With Radial Louver Accessory

|	12 in	24 in	36 in	48 in
EPA Top (sq ft)	0.403	0.928	1.333	1.858
EPA Front (sq ft)	0.367	0.736	1.105	1.474
EPA Side (sq ft)	0.138	0.138	0.138	0.138
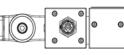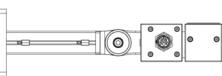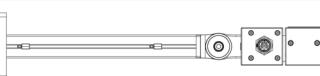
Fixture With Radial Louver Asymmetric Accessory

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

Fixture With Visor Accessory

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

Specification Sheet

EPA Guide - Mounting Option

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

Specification Sheet

Lumenfacade
Max
Continuous Horizontal
LFM-CH

COLOR CHANGING

Resolution Details

DMX/RDM Control, Resolution Per Segment: Each 12 in Segment is Addressed Independently
DMX Addresses:
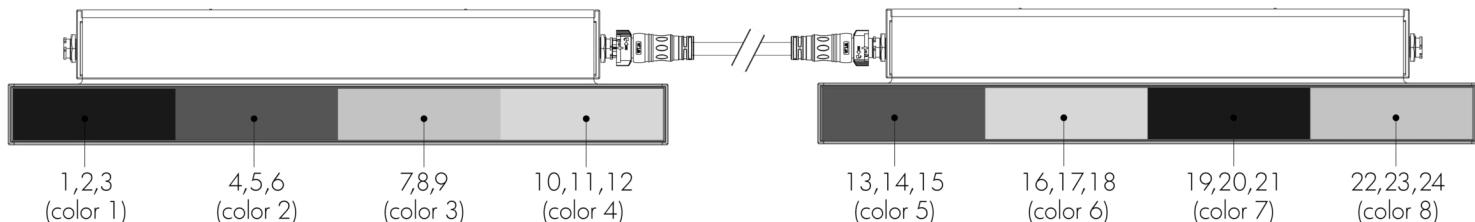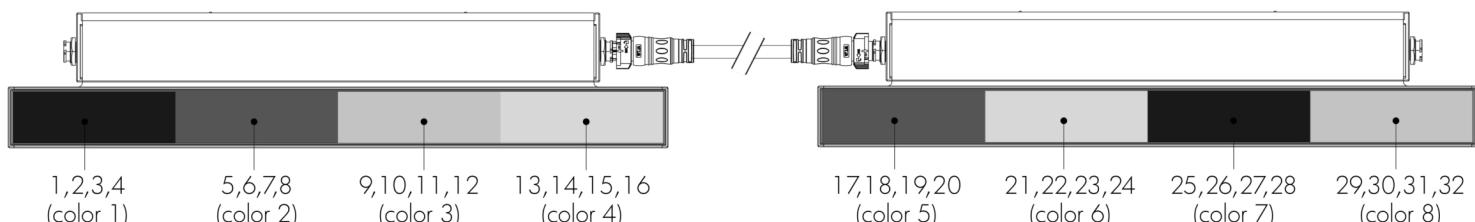
| 1,2,3 | 4,5,6 | 7,8,9 | 10,11,12 | 13,14,15 | 16,17,18 | 19,20,21 | 22,23,24 |
| (color 1) | (color 2) | (color 3) | (color 4) | (color 5) | (color 6) | (color 7) | (color 8) |

MRGB color mixing option

| 1,2,3,4 | 5,6,7,8 | 9,10,11,12 | 13,14,15,16 | 17,18,19,20 | 21,22,23,24 | 25,26,27,28 | 29,30,31,32 |
| (color 1) | (color 2) | (color 3) | (color 4) | (color 5) | (color 6) | (color 7) | (color 8) |

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

DMX/RDM Control, Resolution Per Fixture: Each Fixture is Addressed Independently
DMX Addresses:
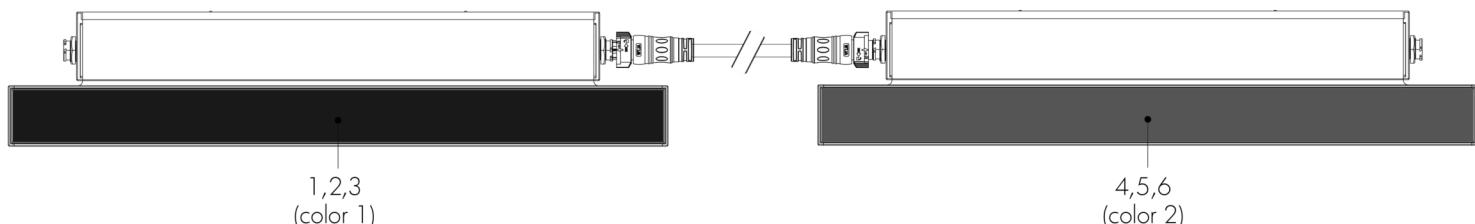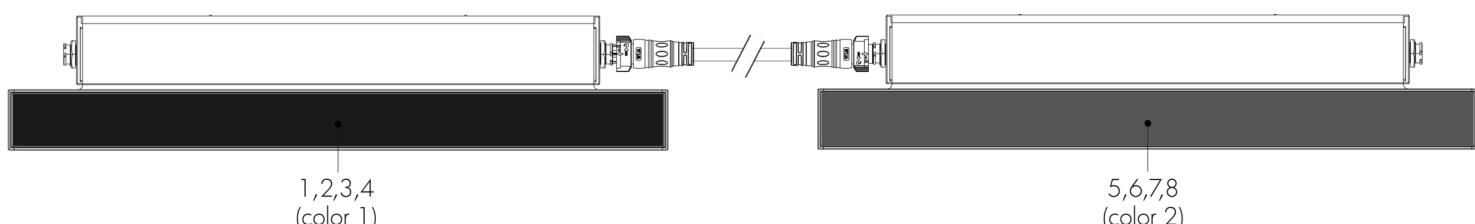
| 1,2,3 | 4,5,6 |
| (color 1) | (color 2) |

MRGB color mixing option

| 1,2,3,4 | 5,6,7,8 |
| (color 1) | (color 2) |

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

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

Specification Sheet

Lumenfacade
Max
Continuous Horizontal
LFM-CH

COLOR CHANGING

Wiring Color Code

DALIT8 and LT Control (XC3P2D)

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

DMX/RDM and ExtendX Controls (XC3P3D)

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

Maximum Fixture Run Length Table

DMX/RDM Control (DMX/RDM)

Lumenfacade Max 6W/ft

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

Lumenfacade Max 10W/ft

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

Lumenfacade Max 22W/ft

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

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

ExtendX Control (ETX)

Lumenfacade Max 6W/ft

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

Lumenfacade Max 10W/ft

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

Lumenfacade Max 22W/ft

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

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

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19 / 27

Specification Sheet

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COLOR CHANGING

## Typical Wiring Diagrams

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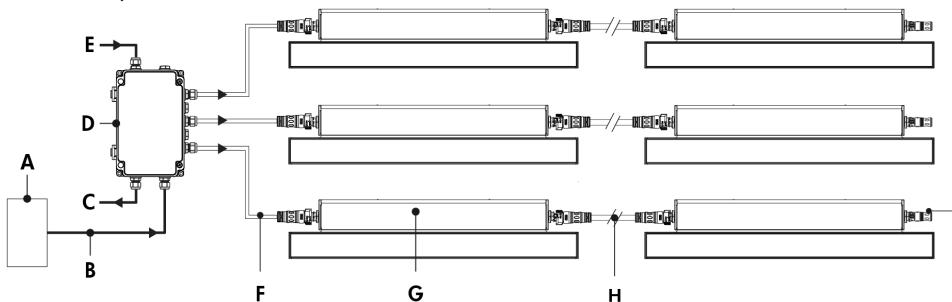
A - Third-party DMX/RDM controller
B - Data input (Belden 9841 or equivalent, by others)
C - Data output to next CBX (optional, not isolated/not boosted)
D - CBX-ST
E - Power input (120 to 277V, wiring by others)
F - Leader Cable (LFLC XC3P3D)
G - Lumenfacade Max Continuous Horizontal (LFM-CH)
H - Jumper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

Daisy Chain Layout (DMX/RDM)
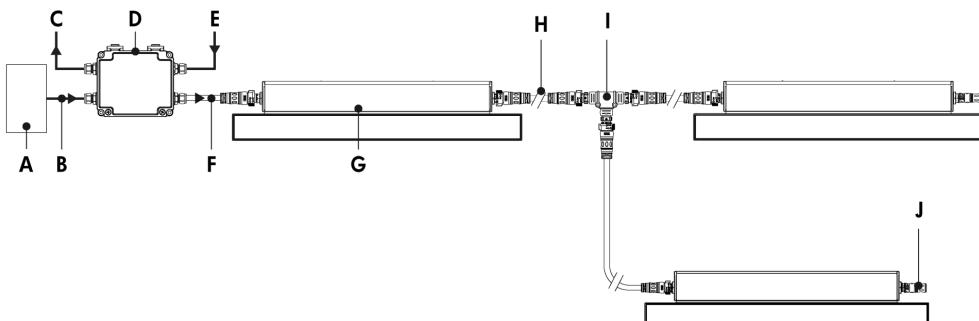
A - Third-party DMX/RDM controller
B - Data input (Belden 9841 or equivalent, by others)
C - Data output to next CBX (optional, not isolated/not boosted)
D - CBX-DS
E - Power input (120 to 277V, wiring by others)
F - Leader Cable (LFLC XC3P3D)
G - Lumenfacade Max Continuous Horizontal (LFM-CH)
H - Jumper 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 luminaire per "Stub".
- Each fixture requires 1, 2, 3, 4, or 5 DMX addresses depending on control mode selected onsite.
- Maximum of 4 DMX/RDM repeaters/CBX cascading in line.
- Maximum of 6 outputs per CBX-ST; maximum of 1 output per CBX-DS.
- Maximum of 64 DMX/RDM enabled fixtures per CBX output.
- Maximum DMX/RDM cable length of 800 ft ("Bus" and "Stubs").
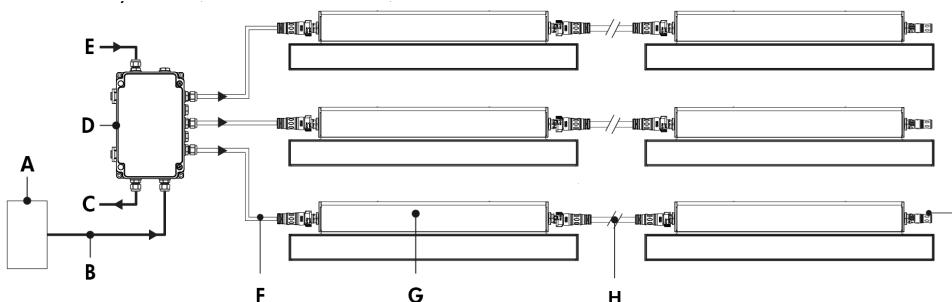
![lumenpulse™]

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20 / 27

Specification Sheet

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Max
Continuous Horizontal
LFM-CH

COLOR CHANGING

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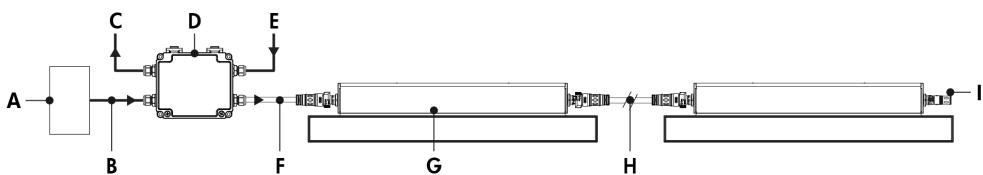
A - Third-party sACN/ArtNet controller
B - Data input (Cat5e or better, by others)
C - Optional Ethernet connection to next CBX
D - CBX-DS-ETX
E - Power input (120 to 277V, wiring by others)
F - Leader Cable (LFLC XC3P3D)
G - Lumenfacade Max Continuous Horizontal (LFM-CH)
H - Jumper Cable (LFJC XC3P3D)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

DALI 2 T8 (DALIT8)
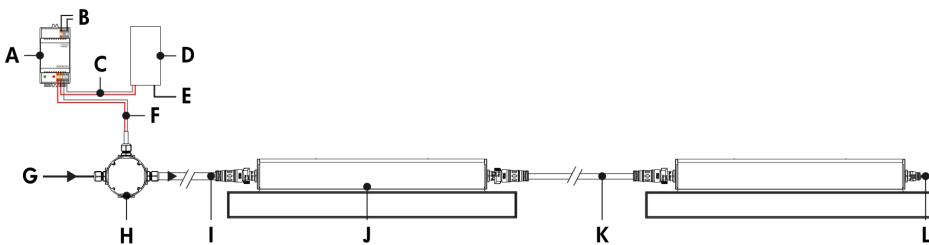
A - DALI bus power supply (by others)
B - Power input for DALI bus power supply (wiring by others)
C - Data output to DALI controller (wiring by others)
D - DALI controller (by others)
E - Power input for DALI controller (if required, wiring by others)
F - Data output to fixture (wiring by others)
G - Power input (120 to 277V, wiring by others)
H - Junction box (by others)
I - Leader Cable (LFLC XC3P2D)
J - Lumenfacade Max Continuous Horizontal (LFM-CH)
K - Jumper Cable (LFJC XC3P2D)
L - Sealing End Cap

- 64 DALI addressable device limitation (each fixture is an addressable device).
- DALI does not allow for control by foot, only by fixture.
- Commissioning may be required based on the selection of 3rd party DALI controller. Controller and commissioning provided by others.
- Less than 1% minimum dimming value.

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

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JC - R10

21 / 27

Specification Sheet

Lumenfacade
Max
Continuous Horizontal
LFM-CH

COLOR CHANGING

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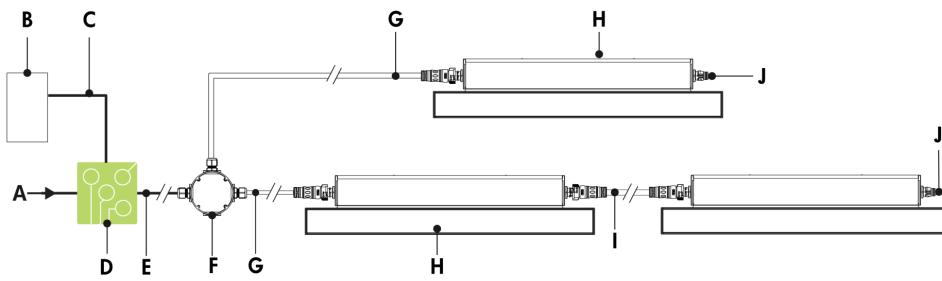
A - Power input (120 to 277V, wiring by others)
B - DMX/RDM controller (order separately from Lumenpulse, or by others)
C - Data wiring (by others)
D - Lumentranslator 2 (LTL2-DMX)
E - Power wiring (by others)
F - Junction box (by others)
G - Leader cable (LFLC XC3P2D)
H - Lumenfacade Max Continuous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

Leader Cable (Order Separately)

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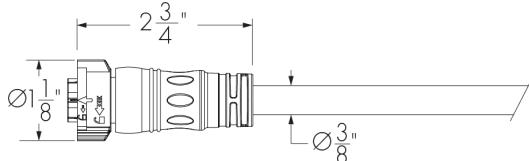
UL version shown. Consult European specification sheet for CE cable details.

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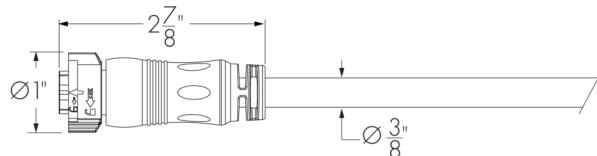
UL version shown. Consult European specification sheet for CE cable details.

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

Please specify:
DALIT8, LT applications:
TYPE: CR/CH (Continuous Run or Continuous Horizontal); **CERTIFICATION**: UL or CE; **VOLTAGE**: 120_277; **LENGTH**: 10 ft, 25 ft, 50 ft, 100 ft, 150 ft or 200 ft;
CONNECTOR/CABLE TYPE: XC3P2D (5x 16AWG X-lock size); **CONNECTOR SHAPE:** 180D (Straight Connector) or 90D (90° Angle Connector);
CABLE/CONNECTOR COLOR: BK (Black) or WH (White) (connectors are the same color as the specified cable color).

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

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

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

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22 / 27

Specification Sheet

Lumenfacade
Max
Continuous Horizontal
LFM-CH

COLOR CHANGING

Jumper Cable (Order Separately)

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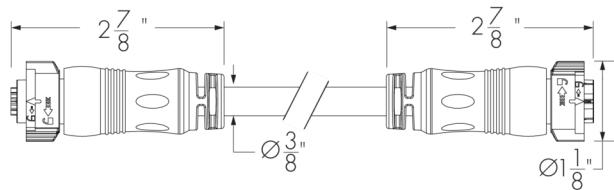
UL version shown. Consult European specification sheet for CE cable details.

Installation with No Cable Loop

0.84ft [10in] Jumper Cable

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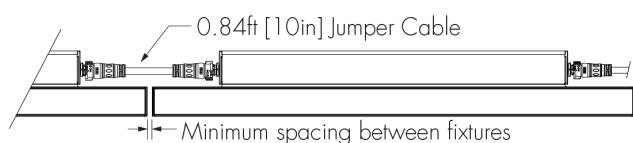
Straight Cable/No Cable Loop (0.84 ft Jumper Cable)
Minimum Spacing Between Fixtures

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

LFJC - Lumenfacade Jumper Cable (XC3P3D)
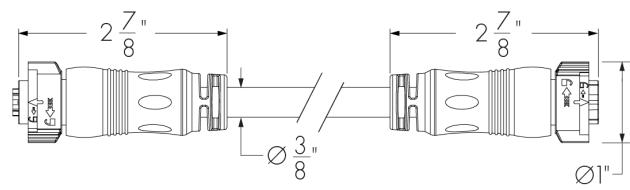
UL version shown. Consult European specification sheet for CE cable details.

Installation with Cable Loop

2ft Jumper Cable
2 5/8" Minimum bend radius for Jumper Cable
Refer to local electrical codes for service Loop requirements.

Minimum spacing between fixtures
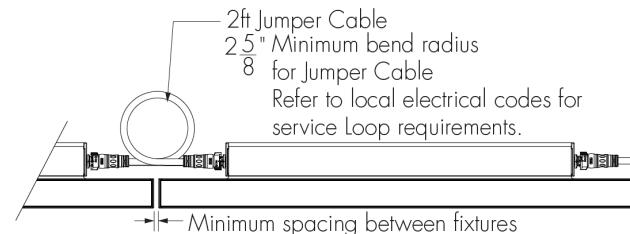
Cable Loop (2 ft Jumper Cable)
Minimum Spacing Between Fixtures

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

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

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

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

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

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

Specification Sheet

Lumenfacade
Max
Continuous Horizontal
LFM-CH

COLOR CHANGING

T-Junction (Order Separately)

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

Output for
Jumper Cable
(Female pin)

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

Input for
Leader Cable
(Male pin)

$2\frac{1}{2}$"
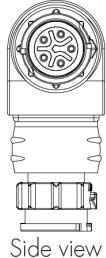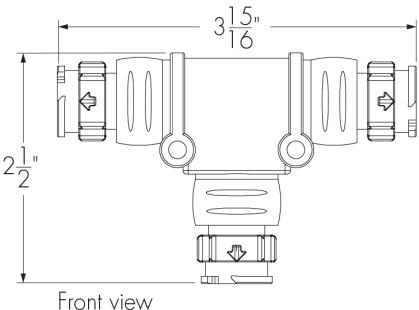
Side view   Front view   Side view

Output for
Jumper Cable
(Female pin)
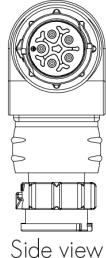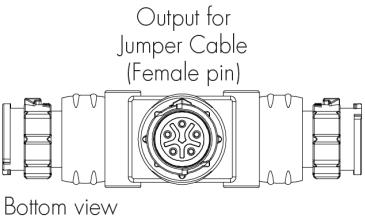
Bottom view

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

Output for
Jumper Cable
(Female pin)

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

Input for
Leader Cable
(Male pin)

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

Side view   Front view   Side view

Output for
Jumper Cable
(Female pin)
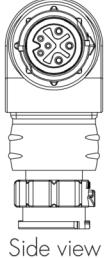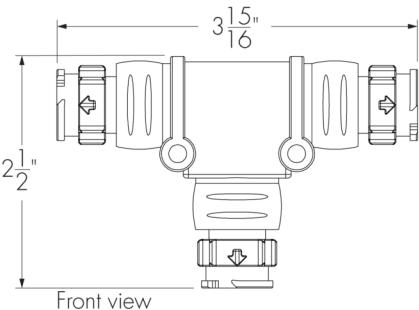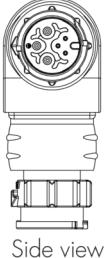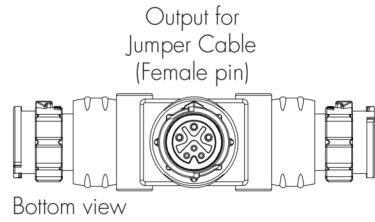
Bottom view

LFTJ-CONNECTOR/CABLE TYPE-CABLE/CONNECTOR COLOR

Please specify:
CONNECTOR/CABLE TYPE: XC3P2D (5x 16AWG X-lock size) 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

$2\frac{7}{16}$"

$\varnothing 1\frac{1}{8}$"
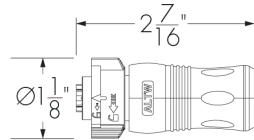
DMX/RDM terminator is mandatory at the end of a fixture run with T-junction for DMX/RDM applications

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

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24 / 27

Specification Sheet

Lumenfacade
Max
Continuous Horizontal
LFM-CH

COLOR CHANGING

Control Boxes (Order Separately)

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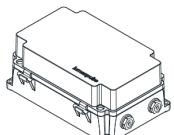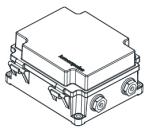
DMX/RDM control box. Up to six power and data outputs to fixtures or fixture runs. Consult CBX specification sheet and installation instructions for details. Lumenterminators provided with CBX (2x for Daisy Chain configuration, 6x for Star configuration), consult factory to order spares.

CBX-ENET - Ethernet Enabled (Daisy Chain or Star Configuration)
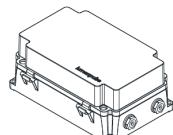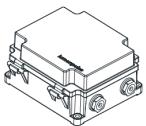
Ethernet control box. Up to four power and data outputs to fixture or fixture runs. Consult Ethernet CBX specification sheet and installation instructions for details.

Control Systems (Order Separately)

PHAROS - Pharos® Designer Lighting Control Kit
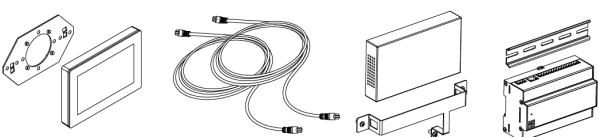
The Pharos Designer Lighting Contol Kit, available for 1 or 2 DMX universes, allows for complete control of large lighting installations.

EXPERT - Pharos® Expert Control Kit

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

Diagnostic And Addressing Tools (Order Separately)

LID - LumenID

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

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JC - R10

25 / 27

Specification Sheet

Lumenfacade
Max
Continuous Horizontal
LFM-CH

COLOR CHANGING

How to Order

Housing	Type	Certification	Voltage	Length	Wattage	Color and Color Temperature [11]	Optic	Lens	Feeding Side
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	**MRGBWP** Opticolor+™ Mix-at-Source Red, Green, Blue Plus White Settable Range 24K to 65K [12] [13] **MRGRBWP** Opticolor+™ Mix-at-Source Red, Green, Royal Blue Plus White Settable Range 24K to 65K [12] [13] [14] [15] **MRGBA** Opticolor™ Mix-at-Source Red, Green, Blue, PC Amber [12] **MRGB** Opticolor™ Mix-at-Source Red, Green, Blue [12]	**10x10** 10° x 10° [16] **10x30** 10° x 30° **10x60** 10° x 60° **10x90** 10° x 90° **30x30** 30° x 30° [17] **30x60** 30° x 60° [17] **30x90** 30° x 90° [17] **60x60** 60° x 60° [17] **90x90** 90° x 90° [17] **30x10** 30° x 10° [17] **60x10** 60° x 10° [17] **60x30** 60° x 30° [17] **90x10** 90° x 10° [17] **W** Wide 120° [17] **NAS** Narrow Asymmetric **WW** Asymmetric Wallwash [18] **CAS** Ceiling Asymmetric [17]	**CL** Clear Lens **HFR** Half-Frosted Lens **FR** Frosted Lens	**LF** Left Feeding Side **RF** Right Feeding Side

Notes:

1. Available for 120_277 voltage option only.

2. Available for 230 voltage option only.

3. Available for the Japanese market only.

4. Available for 100_200V voltage option only.

5. Consult your local Sales Representative for PSE certification.

6. Available for UL certification only.

7. Available for CE certification only.

8. Available for PSE Certification only.

9. Consult factory for applications with 12 in fixtures.

10. Consult factory for applications with PSE Certification.

11. White Channel Set Point or Warm Dimming Range is adjustable at commissioning. Consult Opticolor+ Personality Guide for details**.**

12. Fixtures are shipped from the factory in Optidrive™ Mode. Normal Mode can be activated onsite for DMX/RDM and LT fixtures. For DMX/RDM applications, Optidrive Mode requires a LumenID, LumenID software and onsite commissioning. For LT applications, Optidrive Mode requires a LumenID, LumentalkID software and onsite commissioning. Additionally, with Opticolor+™ the white CCT is configurable in the field from 2200K-8000K.

13. Consult factory for DALI T8 applications with MRGBWP or MRGRBWP and a CCT other than 3000K.

14. Longer lead time of 10-12 weeks.

15. Consult factory for photometric performance.

16. For best results use a miminum 6 in setback from surface. Contact factory for application support.

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

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

Specification Sheet

Lumenfacade
Max
Continuous Horizontal
LFM-CH

COLOR CHANGING

How to Order

Control	Vibration Rating [25]	Mounting Options [30]	Environment	Finish	Accessories [40] [41]	Buy America.n Act
DMX/RDM DMX/RDM Enabled Dimming [19] [20] **DALIT8** DALI 2 T8 Enabled Dimming 0.1% [13] [20] [21] **LT** Lumentalk [20] [22] **ETX** ExtendX™ [20] [23] [24]	**NVR** Buildings and Fixed Structures [26] **VRN** Pole-Mounts [27] [28] **VRBO** Bridges and Overpasses [29]	**SMH** Slim Adjustable Mounting Horizontal Continuously Adjustable (100˚ Pivot Limit) [31] [32] **FXH** Fixed Mounting Horizontal (0˚ Pivot Limit) [33] **WMCH3** Wall Mounting Horizontal Continuously Adjustable, 3.5 in to Optical Center (120˚ Pivot Limit) [31] [32] **WMiH3** Wall Mounting Horizontal Incrementally Adjustable by 6˚, 3.5 in to Optical Center (120˚ Pivot Limit) [31] [32] **WMCH6** Wall Mounting Horizontal Continuously Adjustable, 6 in to Optical Center (180˚ Pivot Limit) [32] **WMiH6** Wall Mounting Horizontal Incrementally Adjustable by 6˚, 6 in to Optical Center (180˚ Pivot Limit) [33] **WMCH12** Wall Mounting Horizontal Continuously Adjustable, 12 in to Optical Center (180˚ Pivot Limit) [32] [34] **WMiH12** Wall Mounting Horizontal Incrementally Adjustable by 6˚, 12 in to Optical Center (180˚ Pivot Limit) [35] **WMCH18** Wall Mounting Horizontal Continuously Adjustable, 18 in to Optical Center (180˚ Pivot Limit) [32] [34] **WMiH18** Wall Mounting Horizontal Incrementally Adjustable by 6˚, 18 in to Optical Center (180˚ Pivot Limit) [35] **WMCH24** Wall Mounting Horizontal Continuously Adjustable, 24 in to Optical Center (180˚ Pivot Limit) [31] [32] **WMiH24** Wall Mounting Horizontal Incrementally Adjustable by 6˚, 24 in to Optical Center (180˚ Pivot Limit) [31] [32]	**XD** Extra durable multi-step finish [36]	**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 [37] [38] [39]	**NA** No Accessory **LV** Radial Louver [31] [42] **LVAS** Radial Louver Asymmetric [31] **VS** Visor [31]	**BAA** Buy America.n [6] [43]

Notes:

6. Available for UL certification only.
13. Consult factory for DALI T8 applications with MRGBWP or MRGRBWP and a CCT other than 3000K.
19. A Control Box (CBX) and LumenID (LID) must be specified.
20. Minimum dimming value is less than 1%.
21. DALI 2 T8 controller required, provided by others. DALI 2 T8 control uses a single DALI short address.
22. A Lumentranslator 2 (LTL2) and LumenID (LID) must be specified for Lumentalk applications. Consult Lumentranslator 2 and Lumentalk pages and specification sheets for details.
23. An Ethernet CBX is required. Refer to the ETX configuration in the Ethernet CBX Specification Sheet for details.
24. ETX Control Option is not compatible with LFTJ T-Junction Accessory.
25. Consult factory for vibration rating requirements on vertical installations.
26. Available for all mounting options.
27. 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.
28. Consult factory for pole mounting accessories.
29. 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.
30. One mounting bracket provided for 12 in fixtures. Two mounting brackets provided for 24 in, 36 in and 48 in fixtures.

31. Available with NVR vibration rating only. Installation limitations may apply for other vibration rating options, and a review is needed for approval. Consult factory.
32. Not suitable for bridge and overpass applications.
33. Vibration tested in accordance with ANSI 136.31 2018 at 3Gv.
34. Vibration tested in accordance with ANSI 136.31 2018 at 2.3Gv.
35. Vibration tested in accordance with ANSI 136.31 2018 at 4.6Gv.
36. Zirconium pretreatment completed with corrosion-resistant primer and electrostatically-applied powder coat paint finish.
37. 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.
38. Setup charges apply for RAL colors. Consult factory for details.
39. Longer lead times can be expected for custom RAL color finishes.
40. Maximum one accessory per fixture.
41. The exterior finish of the accessory will match the finish specified in the fixture order code (interior surface painted matte black).
42. Available for 10x10, 10x30, 10x60, 10x90, 30x30, 30x60, 30x90, 60x60, 90x90, 30x10, 60x10, 60x30, 90x10 and W optics only.
43. Contact your Lumenpulse Sales Representative for more information on order volume details.

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