Specification Sheet

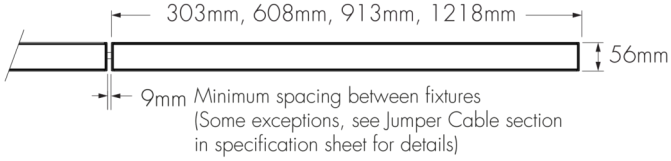
Lumenfacade

Pure
Continuous Run
LFP-CR

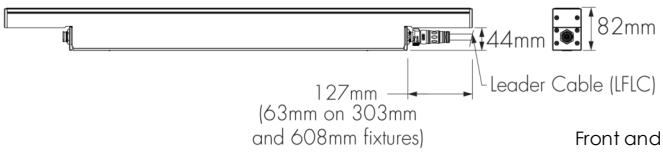
WHITE

Project Name _____ **Qty** _____

Type _____ **Catalog / Part Number** _____



Top View



Front and Side Views
913 mm Fixtures Shown

Photometric Summary (55.77 W/m)

Symmetric

	Delivered Output (lm)	Intensity (Peak cd)
8°x8°	6,692	231,840
10°x10°	6,643	155,860
10°x30°	6,504	46,823
10°x60°	7,249	30,034
10°x90°	6,709	14,617
30°x30°	6,379	18,213
30°x60°	6,346	9,593
30°x90°	5,868	6,689
60°x60°	6,295	5,715
90°x90°	6,147	3,812
30°x10°	6,184	40,706
60°x10°	6,422	25,559
60°x30°	6,309	10,824
90°x10°	6,116	14,815
W (120°)	4,950	1,702

Asymmetric

NAS	6,183	82,064
WW	5,906	10,126
CAS	4,935	9,542

Based on 4000K, 4ft [1218mm]
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.

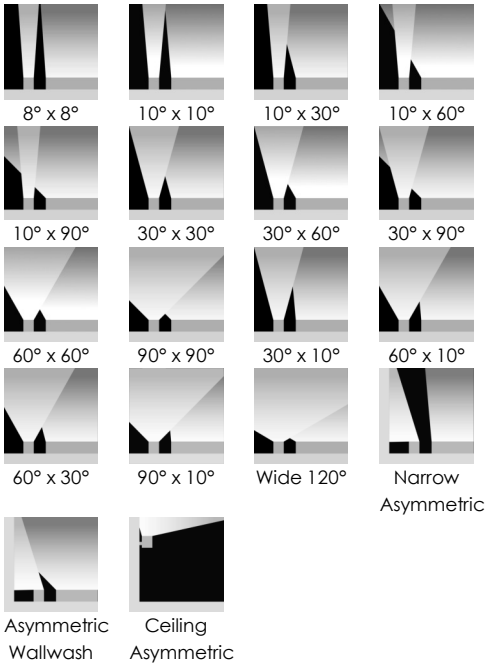
Description

The Lumenfacade Pure Continuous Run is the purest expression of Lumenpulse form, design, quality, and performance. Designed from the inside out to be a cutting-edge expression of Lumenpulse quality, the Lumenfacade Pure possesses simplified control options, integrated accessories, and cohesive mounting options. Rethink everything you've thought about white light; think Lumenpulse.

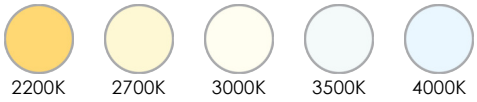
Features

Length	**12:** 303 mm, **24:** 608 mm, **36:** 913 mm, **48:** 1218 mm
Colour and Colour Temperature	**22K:** 2200K, **27K:** 2700K, **30K:** 3000K, **35K:** 3500K, **40K:** 4000K
Vibration Rating	**NVR:** Buildings and Fixed Structures **VRN:** Pole-Mounts **VRBO:** Bridges and Overpasses
Fixed Mounting Options	**FX:** Fixed Mounting (0˚ Pivot Limit)
Continuously Adjustable Mounting Options	**SM:** Slim Adjustable Mounting Continuously Adjustable (110˚ Pivot Limit) **WMC3:** Wall Mounting Continuously Adjustable, 89 mm to Optical Centre (140˚ Pivot Limit) **WMC12:** Wall Mounting Continuously Adjustable, 305 mm to Optical Centre (180˚ Pivot Limit) **WMC24:** Wall Mounting Continuously Adjustable, 610 mm to Optical Centre (180˚ Pivot Limit) **WMC1:** Wall Mounting Continuously Adjustable, 38 mm to Optical Centre (180˚ Pivot Limit) **WMC6:** Wall Mounting Continuously Adjustable, 152 mm to Optical Centre (180˚ Pivot Limit) **WMC18:** Wall Mounting Continuously Adjustable, 457 mm to Optical Centre (180˚ Pivot Limit)

Optic



Colour and Colour Temperature



Control

ON/OFF | 1-10V | DALI 2 T6

Finish

Certifications

Incrementally Adjustable Mounting Options	**WMi1:** Wall Mounting Incrementally Adjustable by 6˚, 38 mm to Optical Centre (180˚ Pivot Limit) **WMi3:** Wall Mounting Incrementally Adjustable by 6˚, 89 mm to Optical Centre (140˚ Pivot Limit) **WMi6:** Wall Mounting Incrementally Adjustable by 6˚, 152 mm to Optical Centre (180˚ Pivot Limit) **WMi12:** Wall Mounting Incrementally Adjustable by 6˚, 305 mm to Optical Centre (180˚ Pivot Limit) **WMi18:** Wall Mounting Incrementally Adjustable by 6˚, 457 mm to Optical Centre (180˚ Pivot Limit) **WMi24:** Wall Mounting Incrementally Adjustable by 6˚, 610 mm to Optical Centre (180˚ Pivot Limit)
Optical Accessories	**LV:** Radial Louver **LVAS:** Radial Louver Asymmetric **VS:** Visor **SH:** Shield
Warranty	5-year limited warranty

Performance

Maximum Delivered Output	1,820 lm (12.3 W/m, 1218 mm fixture, 4000K, CRI 80+, 10° x 60°, CL Lens) 4,958 lm (32.8 W/m, 1218 mm fixture, 4000K, CRI 80+, 10° x 60°, CL Lens) 7,249 lm (55.77 W/m, 1218 mm fixture, 4000K, CRI 80+, 10° x 60°, CL Lens)
Maximum Delivered Intensity	58,192 cd at nadir (12.3 W/m, 1218 mm fixture, 4000K, CRI 80+, 8° x 8°, CL lens) 158,579 cd at nadir (32.8 W/m, 1218 mm fixture, 4000K, CRI 80+, 8° x 8°, CL Lens) 231,840 cd at nadir (55.77 W/m, 1218 mm fixture, 4000K, CRI 80+, 8° x 8°, CL Lens)
Illuminance at Distance	Minimum 1 lx at 247 m (12.3 W/m, 1218 mm fixture, 4000K, CRI 80+, 8° x 8°, CL Lens) Minimum 1 lx at 408 m (32.8 W/m, 1218 mm fixture, 4000K, CRI 80+, 8° x 8°, CL Lens) Minimum 1 lx at 493 m (55.77 W/m, 1218 mm fixture, 4000K, CRI 80+, 8° x 8°, CL Lens)
Colour Consistency	2 SDCM
Lumen Maintenance	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
Colour Rendering	CRI 80+ Consult factory for CRI 90+

Physical

Housing Material	Low copper content extruded aluminium
Lens Material	Tempered glass
Hardware Material	Stainless steel
End Cap Material	Die cast aluminium
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	1.59 kg (303 mm fixture) 3.18 kg (608 mm fixture) 4.31 kg (913 mm fixture) 5.67 kg (1218 mm fixture)

Electrical and Control

Voltage	120 to 277 volts (Class I)
Wattage	**3.75W:** 12.3 W/m, **10W:** 32.8 W/m, **17W:** 55.77 W/m
Control	**NO:** On/Off Control, **DIM:** 1-10V Dimming, **DALI:** DALI 2 T6 Control
Inrush Current (Peak)	Meets NEMA-410 requirements (Based on voltage and control specifications, consult factory for details)

Environmental

Storage Temperature	-40 °C to 85 °C
Start-up Temperature	-40 °C and up (NO, DIM and DALI controls)
Operating Temperature	For 12.3 W/m and 32.8 W/m fixtures: -40 °C to 50 °C (NO, DIM and DALI controls) For 55.77 W/m fixtures: -40 °C to 40 °C (NO, DIM and DALI controls)
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

Accessories (Order Separately)

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

Photometric Information

12.3 W/m (3000K)

Symmetric

	Delivered Output (lm)	Intensity (Peak cd)
8°x8°	1,557	53,944
10°x10°	1,546	36,265
10°x30°	1,513	10,895
10°x60°	1,687	6,988
10°x90°	1,561	3,401
30°x30°	1,484	4,238
30°x60°	1,477	2,232
30°x90°	1,365	1,556
60°x60°	1,465	1,330
90°x90°	1,430	887
30°x10°	1,439	9,471
60°x10°	1,494	5,947
60°x30°	1,468	2,518
90°x10°	1,423	3,447
W (120°)	1,152	396

Asymmetric

NAS	1,439	19,094
WW	1,374	2,356
CAS	1,148	2,220

Based on 3000K, CRI 80+, 1218 mm fixture.

32.8 W/m (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, CRI 80+, 1218 mm fixture.

55.77 W/m (3000K)

Symmetric

	Delivered Output (lm)	Intensity (Peak cd)
8°x8°	6,203	214,916
10°x10°	6,158	144,482
10°x30°	6,029	43,405
10°x60°	6,720	27,842
10°x90°	6,219	13,550
30°x30°	5,913	16,883
30°x60°	5,883	8,893
30°x90°	5,440	6,201
60°x60°	5,836	5,298
90°x90°	5,698	3,534
30°x10°	5,733	37,734
60°x10°	5,953	23,693
60°x30°	5,848	10,034
90°x10°	5,669	13,734
W (120°)	4,589	1,578

Asymmetric

NAS	5,732	76,073
WW	5,475	9,387
CAS	4,575	8,845

Based on 3000K, CRI 80+, 1218 mm fixture.

12.3 W/m (4000K)

Symmetric

	Delivered Output (lm)	Intensity (Peak cd)
8°x8°	1,680	58,192
10°x10°	1,667	39,121
10°x30°	1,633	11,753
10°x60°	1,820	7,539
10°x90°	1,684	3,669
30°x30°	1,601	4,571
30°x60°	1,593	2,408
30°x90°	1,473	1,679
60°x60°	1,580	1,434
90°x90°	1,543	957
30°x10°	1,552	10,217
60°x10°	1,612	6,415
60°x30°	1,583	2,717
90°x10°	1,535	3,719
W (120°)	1,243	427

Asymmetric

NAS	1,552	20,598
WW	1,483	2,542
CAS	1,239	2,395

Based on 4000K, CRI 80+, 1218 mm fixture.

32.8 W/m (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

NAS	4,229	56,132
WW	4,040	6,926
CAS	3,375	6,526

Based on 4000K, CRI 80+, 1218 mm fixture.

55.77 W/m (4000K)

Symmetric

	Delivered Output (lm)	Intensity (Peak cd)
8°x8°	6,692	231,840
10°x10°	6,643	155,860
10°x30°	6,504	46,823
10°x60°	7,249	30,034
10°x90°	6,709	14,617
30°x30°	6,379	18,213
30°x60°	6,346	9,593
30°x90°	5,868	6,689
60°x60°	6,295	5,715
90°x90°	6,147	3,812
30°x10°	6,184	40,706
60°x10°	6,422	25,559
60°x30°	6,309	10,824
90°x10°	6,116	14,815
W (120°)	4,950	1,702

Asymmetric

NAS	6,183	82,064
WW	5,906	10,126
CAS	4,935	9,542

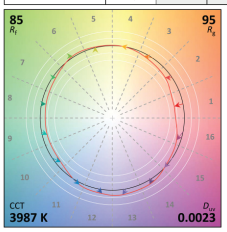
Based on 4000K, CRI 80+, 1218 mm fixture.

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.

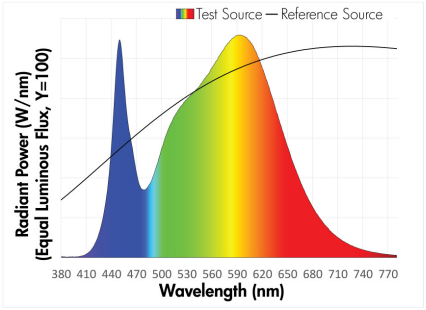
Chromaticity Data

TM-30 - 4000K

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

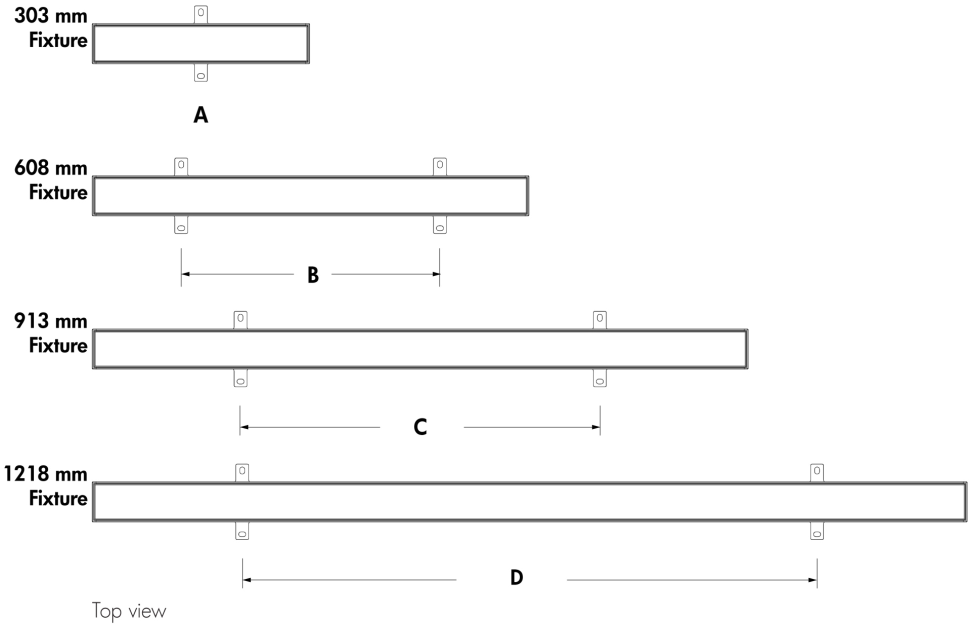


Spectral Power Distribution



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

Mounting Bracket Placement (Minimum and Maximum Distances)



A - Bracket in the centre of the fixture
B - Minimum 356 mm to maximum 432 mm
C - Minimum 521 mm to maximum 597 mm
D - Minimum 775 mm to maximum 851 mm

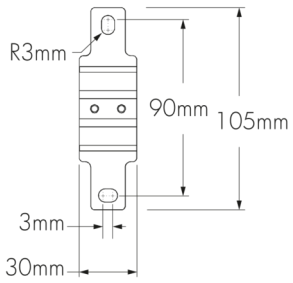
FX mounting brackets shown.

The mounting brackets must be centred on fixture and as symmetrical as possible. Distances must be respected for all installations.

Mounting Options

FX - Fixed Mounting

FX - Mounting Hole Pattern

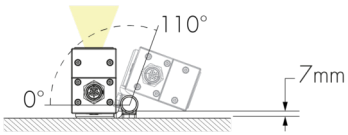


One mounting bracket provided for 303 mm fixtures. Two mounting brackets provided for 608 mm, 913 mm and 1218 mm fixtures.

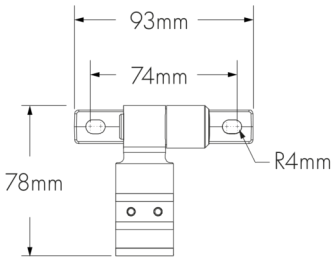
Weight of one FX Mounting Bracket: 0.05 kg. Weight of two FX Mounting Brackets: 0.1 kg.

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

SM - Slim Adjustable Mounting



SM - Mounting Hole Pattern



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

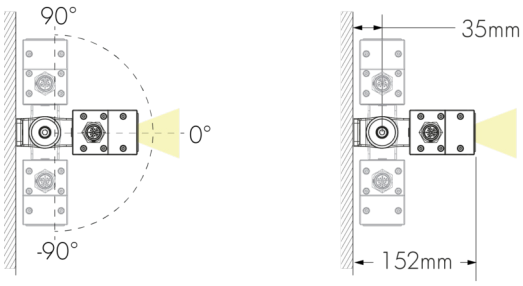
One mounting bracket provided for 303 mm fixtures. Two mounting brackets provided for 608 mm, 913 mm and 1218 mm fixtures.

Weight of one SM Mounting Bracket: 0.12 kg. Weight of two SM Mounting Brackets: 0.24 kg.

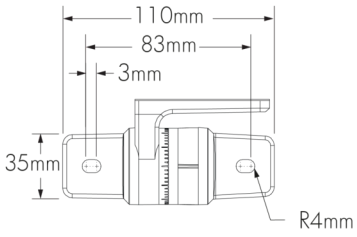
Not suitable when fixture is exposed to wind.

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.

WMC1 - Wall Mounting Continuously Adjustable, 38 mm to Optical Centre
WMi1 - Wall Mounting Incrementally Adjustable By 6˚, 38 mm to Optical Centre

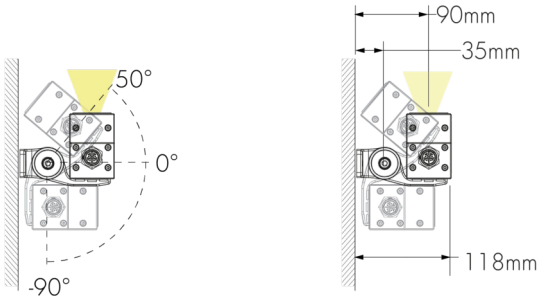


WMC1 WMi1 - Mounting Hole Pattern

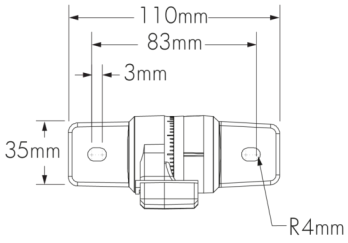


Weight of one WMC1/WMi1 Mounting Bracket: 0.28 kg.
Weight of two WMC1/WMi1 Mounting Brackets: 0.56 kg.

WMC3 - Wall Mounting Continuously Adjustable, 89 mm to Optical Centre
WMi3 - Wall Mounting Incrementally Adjustable by 6˚, 89 mm to Optical Centre

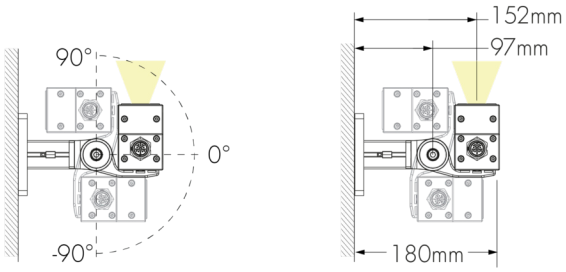


WMC3 WMi3 - Mounting Hole Pattern

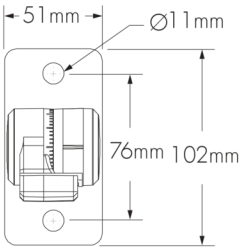


Weight of one WMC3/WMi3 Mounting Bracket: 0.28 kg.
Weight of two WMC3/WMi3 Mounting Brackets: 0.56 kg.

WMC6 - Wall Mounting Continuously Adjustable, 152 mm to Optical Centre
WMi6 - Wall Mounting Incrementally Adjustable by 6˚, 152 mm to Optical Centre



WMC6 WMi6 - Mounting Hole Pattern

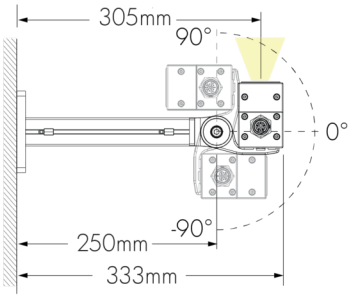


Weight of one WMC6/WMi6 Mounting Bracket: 0.55 kg.
Weight of two WMC6/WMi6 Mounting Brackets: 1.1 kg.

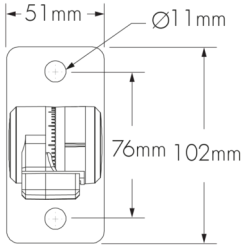
One mounting bracket provided for 303 mm fixtures. Two mounting brackets provided for 608 mm, 913 mm and 1218 mm fixtures.

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.

WMC12 - Wall Mounting Continuously Adjustable, 305 mm to Optical Centre
WMi12 - Wall Mounting Incrementally Adjustable by 6˚, 305 mm to Optical Centre

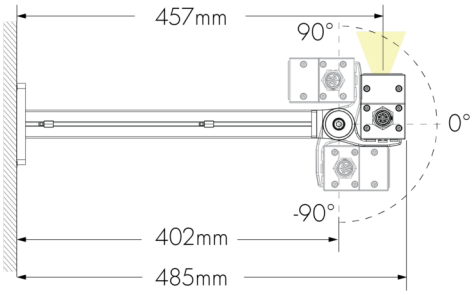


WMC12 WMi12 - Mounting Hole Pattern

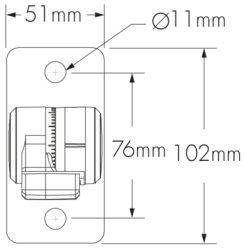


Weight of one WMC12/WMi12 Mounting Bracket: 0.78 kg.
Weight of two WMC12/WMi12 Mounting Brackets: 1.56 kg.

WMC18 - Wall Mounting Continuously Adjustable, 457 mm to Optical Centre
WMi18 - Wall Mounting Incrementally Adjustable by 6˚, 457 mm to Optical Centre

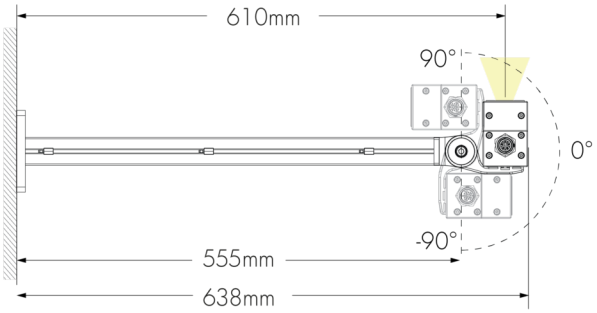


WMC18 WMi18 - Mounting Hole Pattern

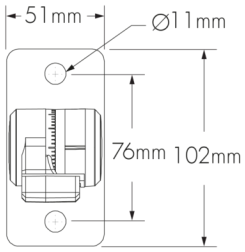


Weight of one WMC18/WMi18 Mounting Bracket: 1.05 kg.
Weight of two WMC18/WMi18 Mounting Brackets: 2.1 kg.

WMC24 - Wall Mounting Continuously Adjustable, 610 mm to Optical Centre
WMi24 - Wall Mounting Incrementally Adjustable by 6˚, 610 mm to Optical Centre



WMC24 WMi24 - Mounting Hole Pattern

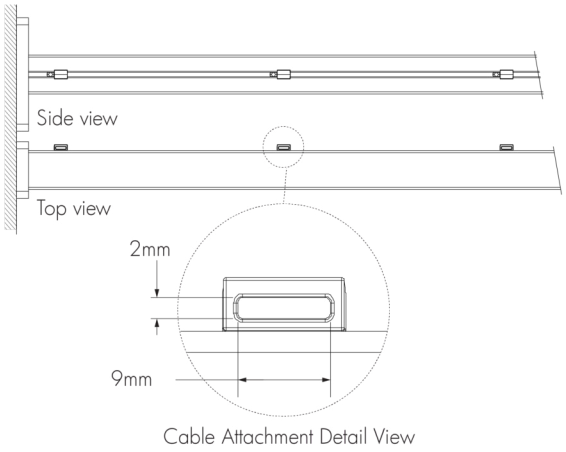


Weight of one WMC24/WMi24 Mounting Bracket: 1.3 kg.
Weight of two WMC24/WMi124 Mounting Brackets: 2.6 kg.

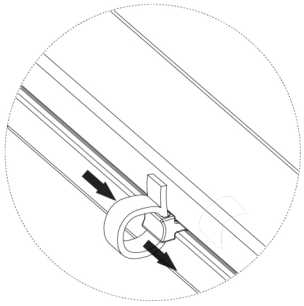
One mounting bracket provided for 303 mm fixtures. Two mounting brackets provided for 608 mm, 913 mm and 1218 mm fixtures.

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

Cable Management System For Wall Mounting Brackets



Cable Attachment Detail View



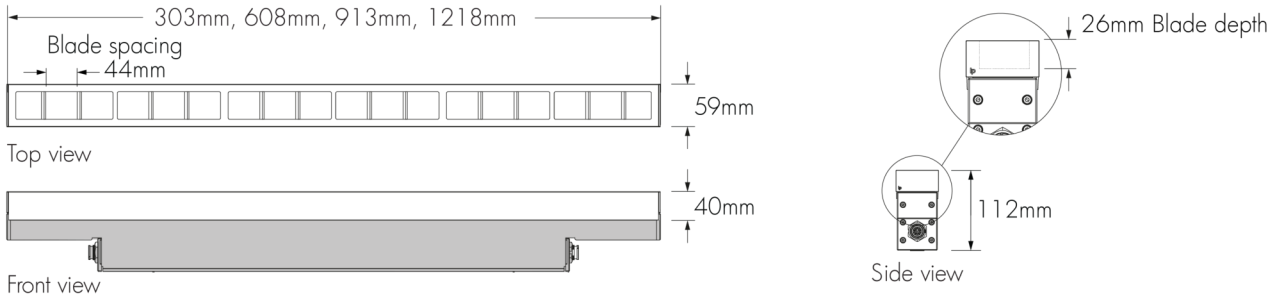
Cable tie as installed

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

Maximum cable tie size: 9 mm width, 2 mm thickness.
Cable ties for outdoor applications are recommended, provided by others.

Accessories

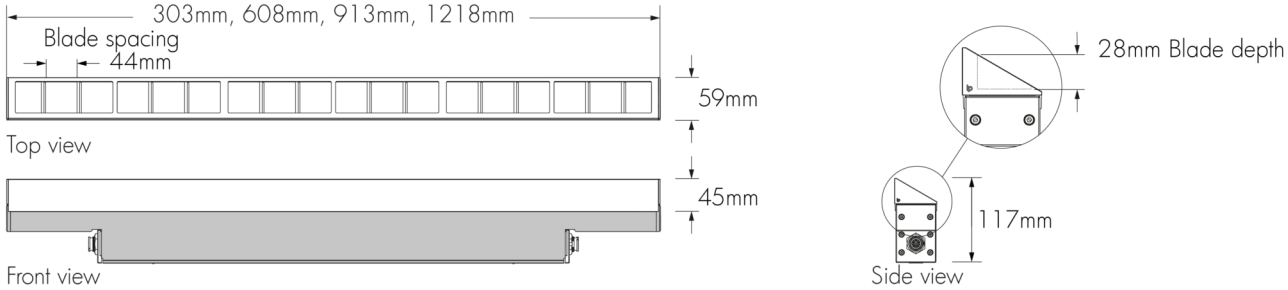
LV - Radial Louvre



- 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 303 mm accessory: 0.29 kg, and 608 mm accessory: 0.57 kg, weight of 913 mm accessory: 0.79 kg, weight of 1218 mm accessory: 1.04 kg.
Note: the weight of the accessory is in addition to the weight of the fixture.

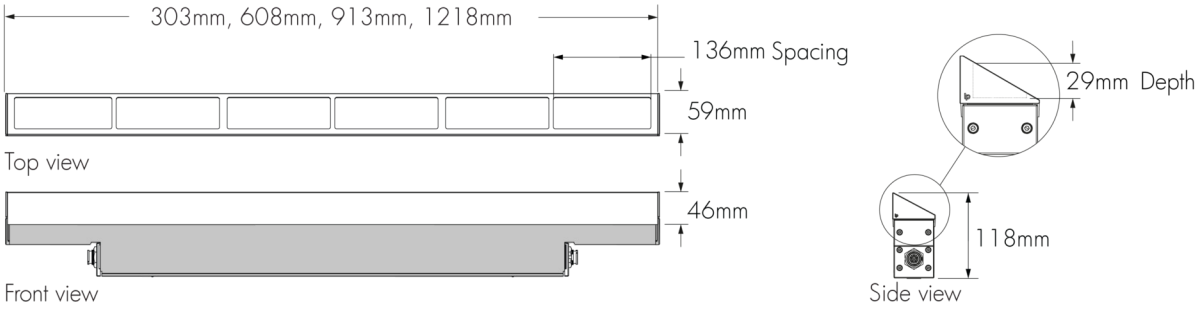
LVAS - Radial Louvre Asymmetric



- A Radial Louver Asymmetric will affect beam distribution. Consult factory for application support.
- The Radial Louver Asymmetric is field installable. The Radial Louver Asymmetric can be combined with the Shield accessory; all other combinations are not possible.
- The exterior finish of the accessory will match the finish specified in the fixture order code (interior surface painted matte black).
- Consult EPA Guide in the specification sheet for engineering calculations.

Weight of 303 mm accessory: 0.23 kg, weight of 608 mm accessory: 0.45 kg, weight of 913 mm accessory: 0.59 kg, weight of 1218 mm accessory: 0.77 kg.
Note: the weight of the accessory is in addition to the weight of the fixture.

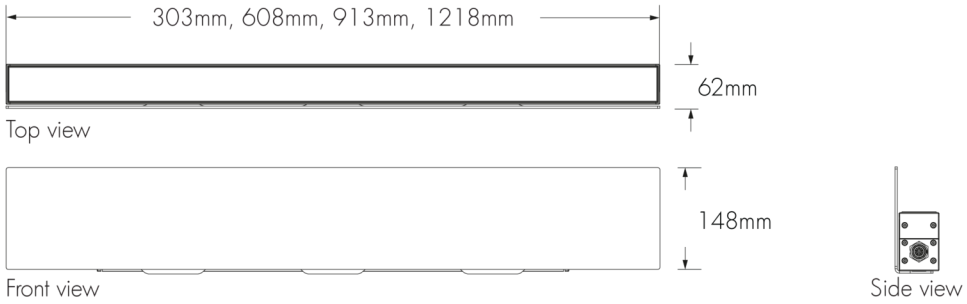
VS - Visor



- A Visor will affect beam distribution. Consult factory for application support.
- The Visor is field installable. The Visor can be combined with the Shield accessory; all other combinations are not possible.
- The exterior finish of the accessory will match the finish specified in the fixture order code 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 303 mm accessory: 0.18 kg, weight of 608 mm accessory: 0.36 kg, weight of 913 mm accessory: 0.54 kg, weight of 1218 mm accessory: 0.68 kg.
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 193 km/h. Consult factory for zones with wind speeds higher than 193 km/h.
- 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 303 mm accessory: 1.13 kg, weight of 608 mm accessory: 2.15 kg, weight of 913 mm accessory: 3.29 kg, weight of 1218 mm accessory: 4.31 kg.
Note: the weight of the accessory is in addition to the weight of the fixture.

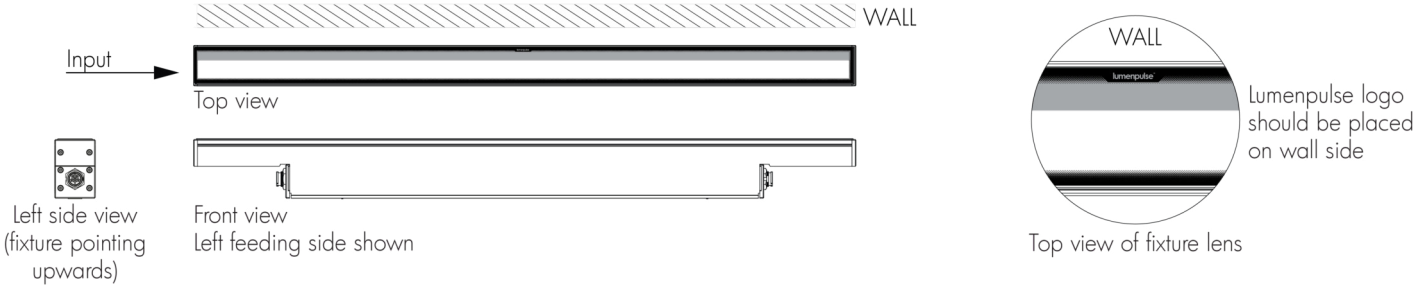
Lens and Optics Combinations Table

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

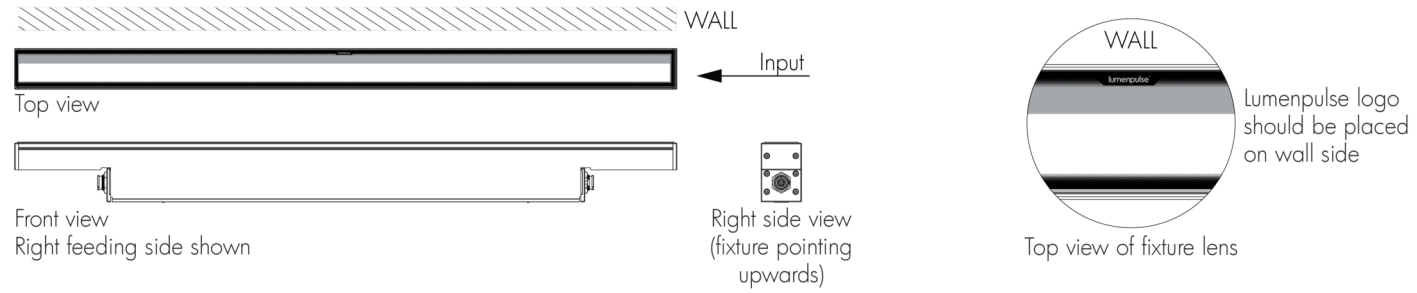
Half-Frosted Lens Details

Left Feeding Side



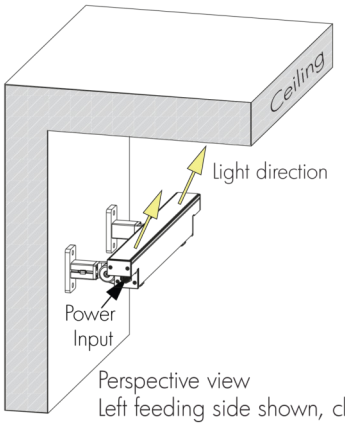
- Position frosted side of the lens and Lumenpulse logo along the wall.
- Fixture's feeding side is based on uplight installations. Feeding sides are reversed when fixture is used in a downlight application.

Right Feeding Side



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

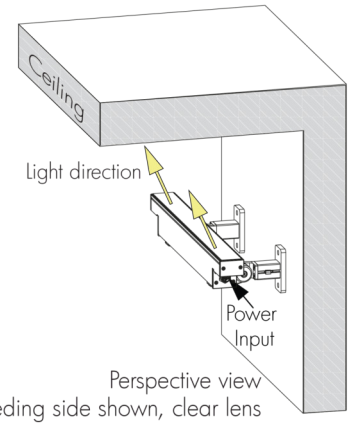
Ceiling Asymmetric Optic Details



Perspective view
Left feeding side shown, clear lens

Top view of fixture lens

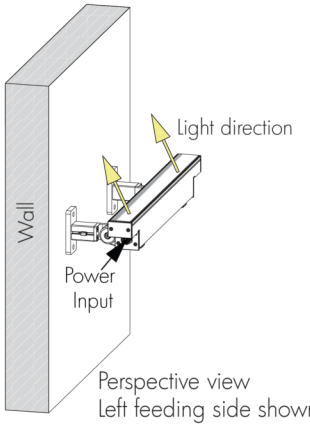
Lumenpulse logo should be placed on wall side



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:** 457 mm minimum setback, 1:5 setback/canopy depth ratio (based on CL lens).

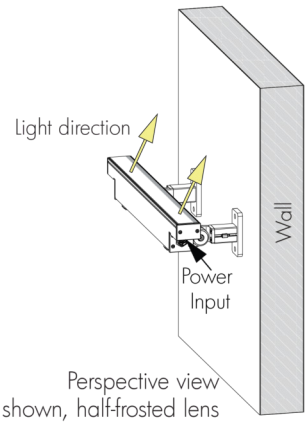
Narrow Asymmetric and Asymmetric Wallwash Optics Details



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

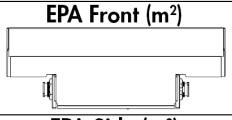
- Position frosted side of the lens and Lumenpulse logo along the wall.
- Fixture's feeding side is based on uplight installations. Feeding sides are reversed when fixture is used in a downlight application.
- **Narrow Asymmetric optic guidelines:** 152 mm minimum setback, 1:12 setback ratio (based on HFR lens).
- **Asymmetic Wallwash optic guidelines:** 152 mm minimum setback, 1:8 setback ratio (based on HFR lens).

EPA Guide - Fixture

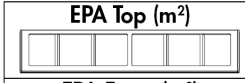
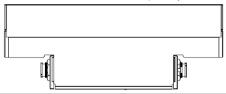
	303 mm	608 mm	913 mm	1218 mm
EPA Top (m^2) 	0.022	0.044	0.066	0.089
EPA Front (m^2) 	0.025	0.058	0.083	0.115
EPA Side (m^2) 	0.006	0.006	0.006	0.006

EPA Guide - Fixture with Accessory

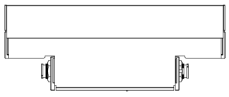
Fixture With Radial Louvre Accessory

	303 mm	608 mm	913 mm	1218 mm
EPA Top (m^2) 	0.022	0.044	0.066	0.089
EPA Front (m^2) 	0.037	0.081	0.118	0.162
EPA Side (m^2) 	0.008	0.008	0.008	0.008

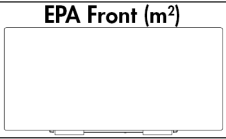
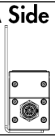
Fixture With Radial Louvre Asymmetric Accessory

	303 mm	608 mm	913 mm	1218 mm
EPA Top (m^2) 	0.022	0.044	0.066	0.089
EPA Front (m^2) 	0.038	0.083	0.121	0.167
EPA Side (m^2) 	0.007	0.007	0.007	0.007

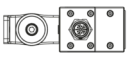
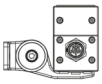
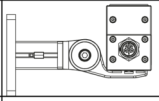
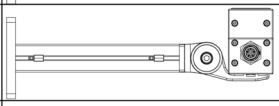
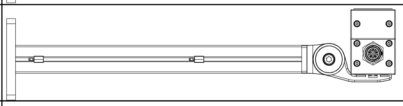
Fixture With Visor Accessory

	303 mm	608 mm	913 mm	1218 mm
EPA Top (m^2) 	0.022	0.044	0.066	0.089
EPA Front (m^2) 	0.038	0.083	0.121	0.167
EPA Side (m^2) 	0.007	0.007	0.007	0.007

Fixture With Shield Accessory

	303 mm	608 mm	913 mm	1218 mm
EPA Top (m^2) 	0.022	0.044	0.066	0.089
EPA Front (m^2) 	0.086	0.173	0.259	0.346
EPA Side (m^2) 	0.006	0.006	0.006	0.006

EPA Guide - Mounting Option

	EPA Top/Side (m^2)	
FX	N/A	
SM	0.001	
WMC1 WMi1	0.004	
WMC3 WMi3	0.004	
WMC6 WMi6	0.006	
WMC12 WMi12	0.013	
WMC18 WMi18	0.020	
WMC24 WMi24	0.027	

Wiring Colour Code

CE Color Code	USE
Green/yellow	Ground
Brown	Line
Blue	Neutral
Black	1-10V + / Data +
Grey	1-10V - / Data -

Maximum Fixture Run Length Table

Lumenfacade Pure 12.3W/m

Voltage	**230V**	**277V**
Maximum Run of Fixtures	186.5m	225.6m

Lumenfacade Pure 32.8/m

Voltage	**230V**	**277V**
Maximum Run of Fixtures	81.7m	98.8m

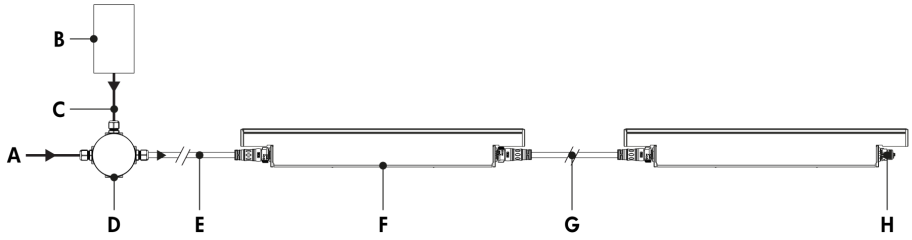
Lumenfacade Pure 55.77W/m

Voltage	**230V**	**277V**
Maximum Run of Fixtures	49.9m	59.7m

Based on 8A maximum, 1218 mm fixtures, NO (on/off) control, 7.6 m leader cable for an end-to-end run with 0.6 m jumper cables between fixtures.

Typical Wiring Diagram

All Control Options



A - Power input (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)
F - Lumenfacade Pure Continuous Run (LFP-CR)
G - Jumper Cable (LFJC)
H - Sealing End Cap

For all control options:
Consult factory for specific applications and maximum fixture count/cable length recommendations.

DIM Control:

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

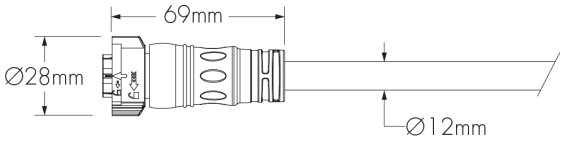
DALI Control:

- 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.

Leader Cable (Order Separately)

LFLC - Lumenfacade Leader Cable (XC3P2D)



180D - Straight connector

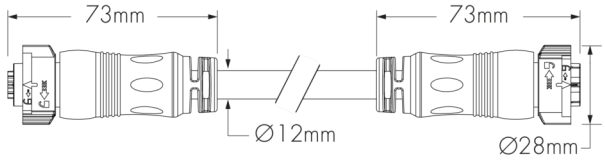
LFLC**-TYPE-CERTIFICATION-VOLTAGE-LENGTH-CONNECTOR/CABLE TYPE-CONNECTOR SHAPE-CABLE/CONNECTOR COLOUR**

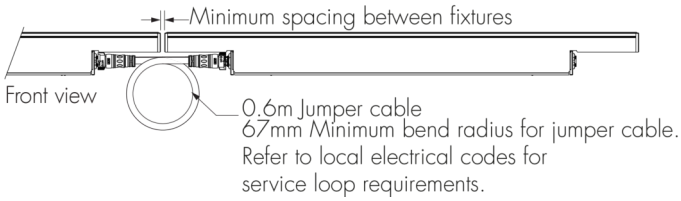
Please specify:
TYPE: CR/CH (Continuous Run or Continuous Horizontal); **CERTIFICATION**: CE; **VOLTAGE:** 120_277 ; **LENGTH**: 3 m, 7.6 m, 15.2 m, 30.5 m, 45.7 m or 61 m; **CONNECTOR/CABLE TYPE:** XC3P2D (5x 16AWG X-lock size); **CONNECTOR SHAPE:** 180D (straight connector); **CABLE/CONNECTOR COLOUR**: BK (Black) or WH (White) (connectors are the same colour as the specified cable colour).

- Suitable for dimming/data and non-dimming applications.
- Waterproof sealing end cap is mandatory for any unused connector. One (1) included with every Leader Cable.
- Consult Lumenfacade Leader Cable specification sheet for all available cable lengths and additional information.

Jumper Cable (Order Separately)

LFJC - Lumenfacade Jumper Cable (XC3P2D)





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

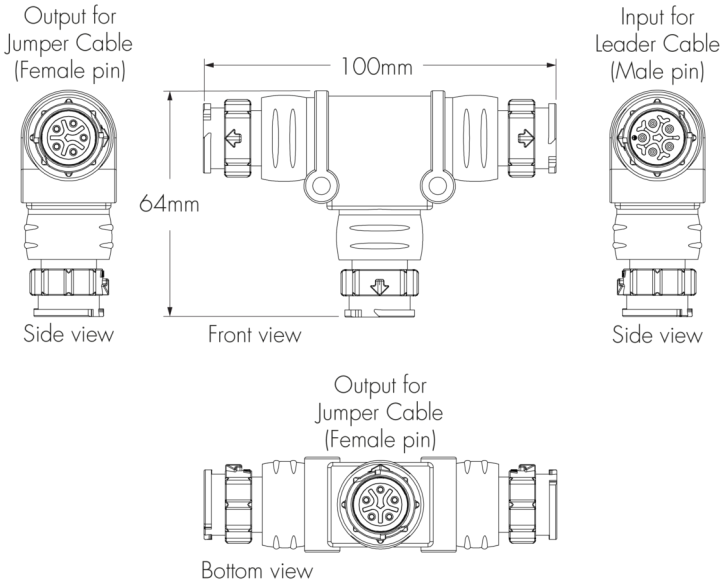
Please specify:
CERTIFICATION: CE; **VOLTAGE:** 120_277; **LENGTH**: 0.3 m, 0.6 m, 1.5 m, 3 m, 7.6 m or 15.2 m; **CONNECTOR/CABLE TYPE:** XC3P2D (5x 16AWG X-lock size); **CONNECTOR SHAPE:** 180D (straight connector); **CABLE/CONNECTOR COLOUR**: BK (Black) (connectors are the same colour as the specified cable colour).

- 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 0.6 m is recommended to accommodate a cable loop between fixtures.
- Minimum spacing for 913 mm and 1218 mm fixtures in a row: 9 mm.
- Minimum spacing for 303 mm and 608 mm fixtures at the end of a fixture run, next to 913 mm and 1218 mm fixtures: 9 mm.
- Minimum spacing for 303 mm and 608 mm fixtures in a row: 70 mm.
- Minimum bend radius 67 mm.

T-Junction (Order Separately)

LFTJ - Lumenfacade T-Junction



LFTJ-**CONNECTOR/CABLE TYPE-CABLE/CONNECTOR COLOUR**

Please specify:
CONNECTOR/CABLE TYPE: XC3P2D (5x 16AWG X-lock size); **CABLE/CONNECTOR COLOUR**: BK (Black).

- Suitable for dimming/data and non-dimming applications with LFP 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 localised 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.

How to Order

Housing	Type	Certification	Voltage	Length	Wattage	Colour and Colour Temperature	Colour Rendering	Optic
LFP Lumenfacade Pure	**CR** Continuous Run	**CE** CE Compliant (Class I)	**120_277** 120 Volts to 277 Volts	**12** 303 mm **24** 608 mm **36** 913 mm **48** 1218 mm	**3.75W** 12.3 W/m **10W** 32.8 W/m **17W** 55.77 W/m	**22K** 2200K **27K** 2700K **30K** 3000K **35K** 3500K **40K** 4000K	**80** CRI 80+ (1)	**8x8** 8° x 8° (2) **10x10** 10° x 10° (2) **10x30** 10° x 30° **10x60** 10° x 60° **10x90** 10° x 90° **30x30** 30° x 30° (3) (4) **30x60** 30° x 60° (3) (4) **30x90** 30° x 90° (3) (4) **60x60** 60° x 60° (3) (4) **90x90** 90° x 90° (3) (4) **30x10** 30° x 10° (3) (4) **60x10** 60° x 10° (3) (4) **60x30** 60° x 30° (3) (4) **90x10** 90° x 10° (3) (4) **W** Wide 120° (3) (4) **NAS** Narrow Asymmetric (5) **WW** Asymmetric Wallwash (5) **CAS** Ceiling Asymmetric (3)

Notes:

1. Consult factory for CRI 90+.
2. For best results use a miminum 76 mm setback from surface. Contact factory for application support.
3. Can be combined with a CL or FR lens only.
4. No feed information required.
5. Can be combined with a HFR or FR lens only.

How to Order

Lens	Feeding Side	Control	Vibration Rating (11)	Mounting Options (19)	Environment	Finish	Accessories (30) (31)
CL Clear Lens (6) **HFR** Half-Frosted Lens (7) **FR** Frosted Lens (8)	**NF** No Feed Information Required **LF** Left Feeding Side **RF** Right Feeding Side	**NO** On/Off Control **DIM** 1-10V Dimming (9) **DALI** DALI 2 T6 Control (10)	**NVR** Buildings and Fixed Structures (12) **VRN** Pole-Mounts (13) (14) (15) **VRBO** Bridges and Overpasses (16) (17)	**FX** Fixed Mounting (0˚ Pivot Limit) (18) **SM** Slim Adjustable Mounting Continuously Adjustable (110˚ Pivot Limit) (20) (21) **WMC1** Wall Mounting Continuously Adjustable, 38 mm to Optical Centre (180˚ Pivot Limit) (21) (22) **WMi1** Wall Mounting Incrementally Adjustable by 6˚, 38 mm to Optical Centre (180˚ Pivot Limit) (18) **WMC3** Wall Mounting Continuously Adjustable, 89 mm to Optical Centre (140˚ Pivot Limit) (21) (22) **WMi3** Wall Mounting Incrementally Adjustable by 6˚, 89 mm to Optical Centre (140˚ Pivot Limit) (18) **WMC6** Wall Mounting Continuously Adjustable, 152 mm to Optical Centre (180˚ Pivot Limit) (21) (23) **WMi6** Wall Mounting Incrementally Adjustable by 6˚, 152 mm to Optical Centre (180˚ Pivot Limit) (24) **WMC12** Wall Mounting Continuously Adjustable, 305 mm to Optical Centre (180˚ Pivot Limit) (21) (23) **WMi12** Wall Mounting Incrementally Adjustable by 6˚, 305 mm to Optical Centre (180˚ Pivot Limit) (24) **WMC18** Wall Mounting Continuously Adjustable, 457 mm to Optical Centre (180˚ Pivot Limit) (21) (23) **WMi18** Wall Mounting Incrementally Adjustable by 6˚, 457 mm to Optical Centre (180˚ Pivot Limit) (24) **WMC24** Wall Mounting Continuously Adjustable, 610 mm to Optical Centre (180˚ Pivot Limit) (21) (23) **WMi24** Wall Mounting Incrementally Adjustable by 6˚, 610 mm to Optical Centre (180˚ Pivot Limit) (24)	**XD** Extra durable multi-step finish (25) (26)	**BK** Black Sandtex® **BRZ** Bronze Sandtex® **SI** Silver Sandtex® **WH** Smooth White **BKTX** Textured Black **BRZTX** Textured Bronze Non-Metallic **GRATX** Textured Medium Grey **GRNTX** Textured Green **WHTX** Textured White **CC** Custom Colour & Finish (27) (28) (29)	**NA** No Accessory **LV** Radial Louver (20) (32) **LVAS** Radial Louver Asymmetric (20) **VS** Visor (20) **SH** Shield (20) (33)

Notes:

6. When CL lens is combined with CAS optic, LF or RF feeding side must be specified.
7. When HFR lens is specified, LF or RF feeding side must be specified.
8. When FR lens is combined with WW, NAS or CAS optic, LF or RF feeding side must be specified.
9. Minimum dimming value is less than 1%.
10. DALI 2 T6 controller required, provided by others.
11. Consult factory for vibration rating requirements on vertical installations.
12. Available for all mounting options.
13. Available for FX, WMC1, WMi1, WMC3 and WMi3 mounting options when combined with VRN vibration rating. All other mounting options may have installation limitations, and a review is needed for approval. Consult factory.
14. Specify only if a normal application is required as per ANSI 136.31 2018.
15. Consult factory for pole mounting accessories.
16. Available for FX, WMi1, and WMi3 mounting options when combined with VRBO vibration rating. All other mounting options may have installation limitations, and a review is needed for approval. Consult factory.
17. Specify only if a bridge or overpass application is required as per ANSI 136.31 2018.
18. Vibration tested in accordance with ANSI 136.31 2018 at 3Gv.
19. Two mounting brackets provided for each fixture length.
20. Available with NVR vibration rating only. Installation limitations may apply for other vibration rating options, and a review is needed for approval. Consult factory.
21. Not suitable for bridge and overpass applications.
22. Vibration tested in accordance with ANSI 136.31 2018 at 1.5Gv.
23. Vibration tested in accordance with ANSI 136.31 2018 at 2.3Gv.
24. Vibration tested in accordance with ANSI 136.31 2018 at 4.6Gv.
25. Zirconium pretreatment completed with corrosion-resistant primer and electrostatically-applied powder coat paint finish.
26. For natatorium or full salt spray applications, consult factory.
27. Lumenpulse offers a wide selection of RAL CLASSIC (K7) colours with a smooth texture and high-gloss finish. Please consult factory for a list of available K7 colours, other RAL textures and glosses, or to match alternate colour charts. Final colour matching results may vary.
28. Setup charges apply for RAL colours. Consult factory for details.
29. Longer lead times can be expected for custom RAL colour finishes.
30. SH accessory can be combined with LV, LVAS or VS accessories. All other combinations are not possible.
31. The exterior finish of the accessory will match the finish specified in the fixture order code (interior surface painted matte black).
32. Available for 8x8, 10x10, 10x30, 10x60, 10x90, 30x30, 30x60, 30x90, 60x60, 90x90, 30x10, 60x10, 60x30, 90x10 and W optics only.
33. Not suitable for bridge and overpass applications. The Shield can be installed in zones with wind speeds up to 193 km/h. Consult factory for zones with wind speeds higher than 193 km/h.