

Project Name

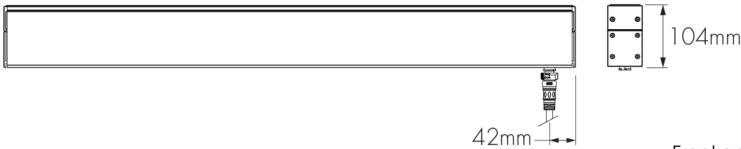
Qty

Type

Catalog / Part Number



Top View



Front and Side Views
913 mm Fixture Shown

Photometric Summary (72.18 W/m)

Symmetric		
	Delivered Output (lm)	Intensity (Peak cd)
8°x8°	7,602	263,370
10°x10°	7,546	177,057
10°x30°	7,389	53,191
10°x60°	8,235	34,119
10°x90°	7,622	16,605
30°x30°	7,247	20,690
30°x60°	7,209	10,898
30°x90°	6,667	7,599
60°x60°	7,151	6,492
90°x90°	6,983	4,331
30°x10°	7,025	46,242
60°x10°	7,296	29,035
60°x30°	7,166	12,296
90°x10°	6,948	16,830
W (120°)	5,623	1,933
Asymmetric		
NAS	7,024	93,225
WW	6,710	11,503
CAS	5,606	10,839

Based on 4000K, 4ft [1218mm], DMX/RDM control.
Photometric performance is measured in compliance with IESNA LM-79-08.
8x8, 10x10, 10x30, 10x60, 10x90, 30x30, 30x60, 30x90, 60x60, 90x90, 30x10, 60x10, 60x30, 90x10, W and CAS optics tested with CL lens.
NAS and WW optics tested with HFR lens.

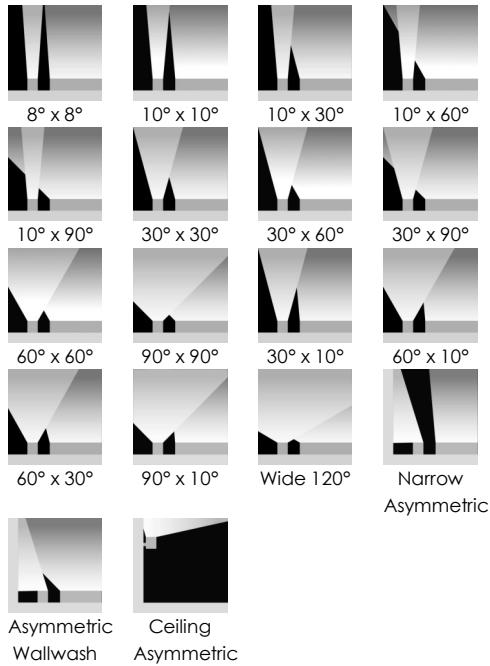
Description

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

Features

Length (Nominal)	12: 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 RD: Red GR: Green BL: Blue AMB: Phosphor Converted Amber (PC Amber)
Vibration Rating	NVR: Buildings and Fixed Structures VRN: Pole-Mounts VRBO: Bridges and Overpasses
Fixed Mounting Options	FX: Fixed Mounting (0° Pivot Limit) STEM12: Stem Mounting 305 mm STEM24: Stem Mounting 610 mm STEM36: Stem Mounting 914 mm STEM48: Stem Mounting 1219 mm ACC50: Aircraft Cable 1270 mm ACC100: Aircraft Cable 2540 mm

Optic



Colour and Colour Temperature



Control



Finish



Continuously Adjustable Mounting Options

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

WMC3: Wall Mounting Continuously Adjustable, 89 mm to Optical Centre (130° 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 (170° Pivot Limit)

WMC18: Wall Mounting Continuously Adjustable, 457 mm to Optical Centre (180° Pivot Limit)

Incrementally Adjustable Mounting Options

WMI1: Wall Mounting Incrementally Adjustable by 6°, 38 mm to Optical Centre (180° Pivot Limit)

WMI6: Wall Mounting Incrementally Adjustable by 6°, 152 mm to Optical Centre (170° Pivot Limit)

WMI18: Wall Mounting Incrementally Adjustable by 6°, 457 mm to Optical Centre (180° Pivot Limit)

WMI3: Wall Mounting Incrementally Adjustable by 6°, 89 mm to Optical Centre (130° Pivot Limit)

WMI12: Wall Mounting Incrementally Adjustable by 6°, 305 mm to Optical Centre (180° Pivot Limit)

WMI24: Wall Mounting Incrementally Adjustable by 6°, 610 mm to Optical Centre (180° Pivot Limit)

Canopy Finish

BK: Black Sandtex®, **SI:** Silver Sandtex®, **WH:** White, **CC:** Custom Colour and Finish (Please Specify RAL Colour)

Optical Accessories

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

Warranty

5-year limited warranty

Performance

Maximum Delivered Output

2,816 lm
(19.68 W/m, 1218 mm fixture, 4000K CRI 80+, 10° x 60°, CL Lens, DMX/RDM)
4,958 lm
(32.8 W/m, 1218 mm fixture, 4000K CRI 80+, 10° x 60°, CL Lens, DMX/RDM)
8,235 lm
(72.18 W/m, 1218 mm fixture, 4000K CRI 80+, 10° x 60°, CL Lens, DMX/RDM)

Maximum Delivered Intensity

90,070 cd at nadir
(19.68 W/m, 1218 mm fixture, 4000K CRI 80+, 8° x 8°, CL Lens, DMX/RDM)
158,579 cd at nadir
(32.8 W/m, 1218 mm fixture, 4000K CRI 80+, 8° x 8°, CL Lens, DMX/RDM)
263,370 cd at nadir
(72.18 W/m, 1218 mm fixture, 4000K CRI 80+, 8° x 8°, CL Lens, DMX/RDM)

Certifications



Illuminance at Distance	Minimum 1 lx at 300 m (19.68 W/m, 1218 mm fixture, 4000K CRI 80+, 8° x 8°, CL Lens) Minimum 1 lx at 398 m (32.8 W/m, 1218 mm fixture, 4000K CRI 80+, 8° x 8°, CL Lens) Minimum 1 lx at 513 m (72.18 W/m, 1218 mm fixture, 4000K CRI 80+, 8° x 8°, CL Lens)
Colour Consistency	2 SDCM
Lumen Maintenance	For 22K, 27K, 30K, 35K, 40K: L70 (10K) > 60,000 hrs Ta 25 °C (TM-21 reported) L70 > 150,000 hrs Ta 25 °C (projected)* L90 (10K) = 55,600 hrs Ta 25 °C (TM-21 reported) L90 = 55,600 hrs Ta 25 °C (projected)* *Estimated based on in-situ case temperature and LM-80 report For RD, GR, BL, AMB: L70 (15K) > 90,000 hrs Ta 25 °C (TM-21 reported) L70 > 150,000 hrs Ta 25 °C (projected)* L90 (15K) = 55,400 hrs Ta 25 °C (TM-21 reported) L90 = 55,400 hrs Ta 25 °C (projected)* *Estimated based on in-situ case temperature and LM-80 report
Colour Rendering	CRI 80+ (applicable to 22K, 27K, 30K, 35K and 40K colour temperatures only) 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	2.18 kg (303 mm fixture) 3.63 kg (608 mm fixture) 5.67 kg (913 mm fixture) 7.03 kg (1218 mm fixture)

Electrical and Control

Voltage	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 Certification, the voltage drop must not fall below 160V.
Wattage	6W: 19.68 W/m, 10W: 32.8 W/m, 22W: 72.18 W/m
Control	NO: On/Off Control DIM: 0-10V Dimming DALI: DALI 2 T6 Control LT: Lumentalk DMX/RDM: DMX/RDM Enabled ETX: ExtendX™

Inrush Current (Peak)	Meets NEMA-410 requirements (Based on voltage and control specifications, consult factory for details)
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Environmental

Storage Temperature	-40 °C to 85 °C
Start-up Temperature	-40 °C to 50 °C
Operating Temperature	For 19.68 W/m fixtures: -40 °C to 50 °C For 32.8 W/m fixtures: -40 °C to 50 °C For 72.18 W/m fixtures: -40 °C to 40 °C

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
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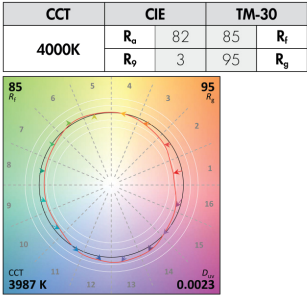
Impact Resistance Rating	IK07 (CL lens), IK07 (HFR lens), IK06 (FR lens) Consult factory for IK08 lens option
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Accessories (Order Separately)

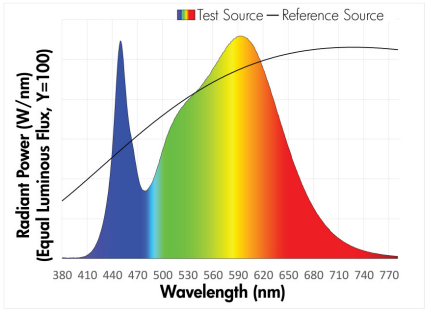
Cables	LFLC: Lumenfacade Leader Cable LFJC: Lumenfacade Jumper Cable LFTJ: Lumenfacade T-Junction
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Chromaticity Data

TM-30 - 4000K



Spectral Power Distribution



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

Photometric Information

19.68 W/m (3000K)

Symmetric

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

Asymmetric

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

Based on 3000K, 1218 mm, DMX/RDM control configuration.

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

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

19.68 W/m (4000K)

Symmetric

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

Asymmetric

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

Based on 4000K, 1218 mm, DMX/RDM control configuration.

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

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

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, 1218 mm, DMX/RDM control configuration.

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, 1218 mm, DMX/RDM control configuration.

72.18 W/m (3000K)

Symmetric

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

Asymmetric

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

Based on 3000K, 1218 mm, DMX/RDM control configuration.

72.18 W/m (4000K)

Symmetric

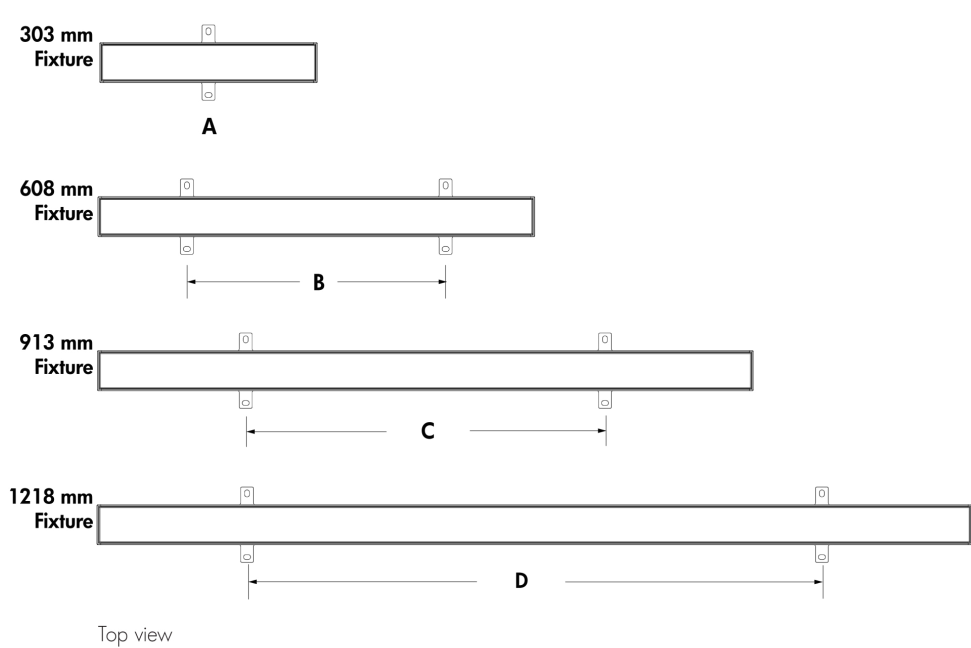
	Delivered Output (lm)	Intensity (Peak cd)
8°x8°	7,602	263,370
10°x10°	7,546	177,057
10°x30°	7,389	53,191
10°x60°	8,235	34,119
10°x90°	7,622	16,605
30°x30°	7,247	20,690
30°x60°	7,209	10,898
30°x90°	6,667	7,599
60°x60°	7,151	6,492
90°x90°	6,983	4,331
30°x10°	7,025	46,242
60°x10°	7,296	29,035
60°x30°	7,166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

Asymmetric

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

Based on 4000K, 1218 mm, DMX/RDM control configuration.

Mounting Bracket Placement (Minimum and Maximum Distances)

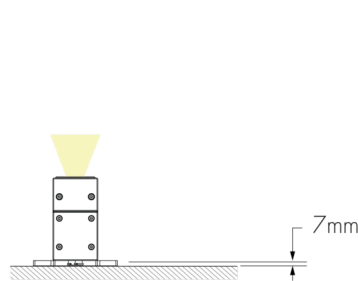


A - Bracket in the centre of the fixture
B - Minimum 356 mm to maximum 457 mm
C - Minimum 521 mm to maximum 737 mm
D - Minimum 775 mm to maximum 1041 mm
FX mounting brackets shown.

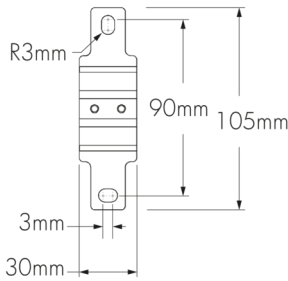
The mounting bracket(s) must be centred on fixture and as symmetrical as possible. Distances must be respected for all installations. Applicable to FX, SM, WMC1, WMi1, WMC3, WMi3, WMC6, WMi6, WMC12, WMi12, WMC18, WMi18, WMC24, WMi24 mounting options only.

Mounting Options

FX - Fixed Mounting



FX - Mounting Hole Pattern

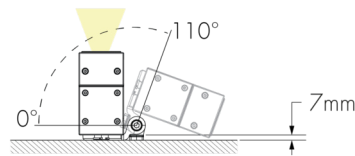


One mounting bracket provided for 303 mm fixtures. Two mounting brackets provided for 608 mm, 913 mm and 1218 mm fixtures.

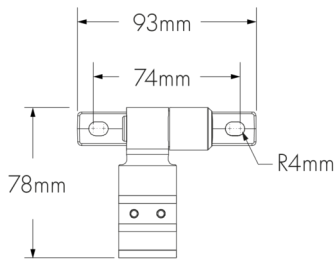
Weight of one FX Mounting Bracket: 0.05 kg. Weight of two FX Mounting Brackets: 0.1 kg.

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



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

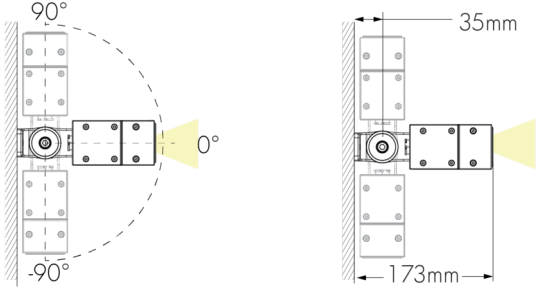
Weight of one SM Mounting Bracket: 0.12 kg. Weight of two SM Mounting Brackets: 0.24 kg.

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

Not suitable when fixture is exposed to wind.

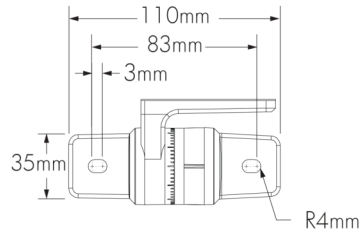
For proper hardware selection, use the dimensions of the mounting option, the weight and EPA values of the mounting option, and the weight and EPA values of the fixture and accessories for your engineering calculations.

WMC1 - Wall Mounting Continuously Adjustable, 38 mm to Optical Centre
WMI1 - Wall Mounting Incrementally Adjustable By 6°, 38 mm to Optical Centre

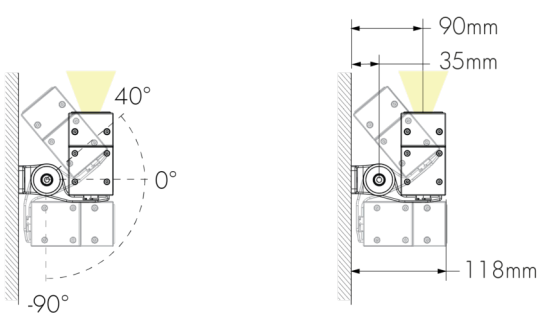


Weight of one WMC1/WMI1 Mounting Bracket: 0.28 kg.
Weight of two WMC1/WMI1 Mounting Brackets: 0.56 kg.

WMC1 WMI1 - Mounting Hole Pattern

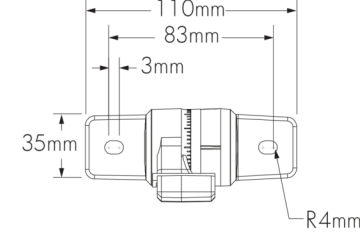


WMC3 - Wall Mounting Continuously Adjustable, 89 mm to Optical Centre
WMI3 - Wall Mounting Incrementally Adjustable by 6°, 89 mm to Optical Centre

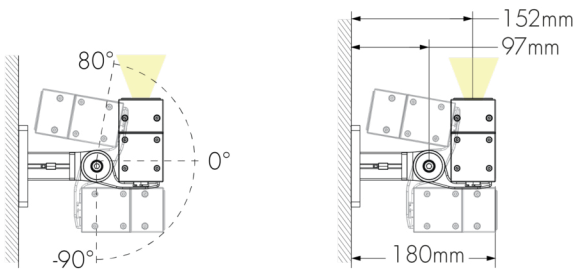


Weight of one WMC3/WMI3 Mounting Bracket: 0.28 kg.
Weight of two WMC3/WMI3 Mounting Brackets: 0.56 kg.

WMC3 WMI3 - Mounting Hole Pattern

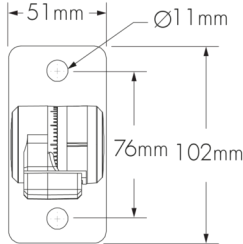


WMC6 - Wall Mounting Continuously Adjustable, 152 mm to Optical Centre
WMI6 - Wall Mounting Incrementally Adjustable by 6°, 152 mm to Optical Centre

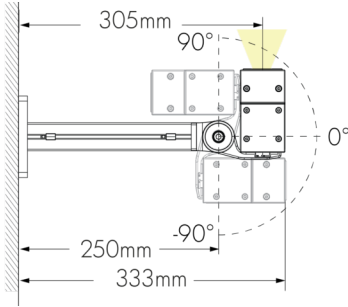


Weight of one WMC6/WMI6 Mounting Bracket: 0.28 kg.
Weight of two WMC6/WMI6 Mounting Brackets: 0.56 kg.

WMC6 WMI6 - Mounting Hole Pattern

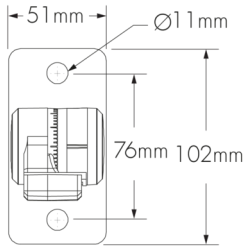


WMC12 - Wall Mounting Continuously Adjustable, 305 mm to Optical Centre
WMi12 - Wall Mounting Incrementally Adjustable by 6°, 305 mm to Optical Centre

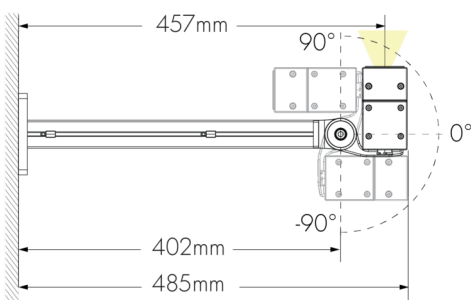


Weight of one WMC12/WMi12 Mounting Bracket: 0.78 kg.
Weight of two WMC12/WMi12 Mounting Brackets: 1.56 kg.

WMC12 WMi12 - Mounting Hole Pattern

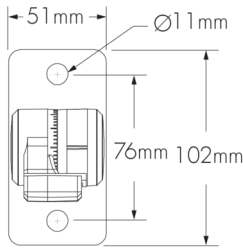


WMC18 - Wall Mounting Continuously Adjustable, 457 mm to Optical Centre
WMi18 - Wall Mounting Incrementally Adjustable by 6°, 457 mm to Optical Centre

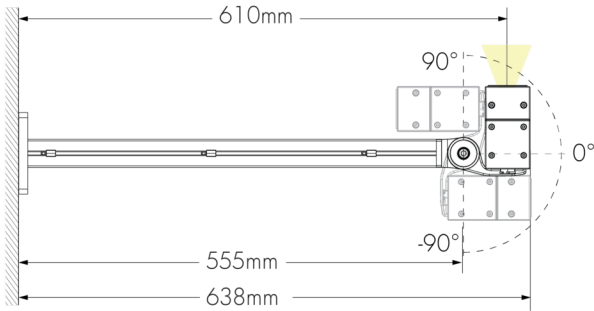


Weight of one WMC18/WMi18 Mounting Bracket: 1.05 kg.
Weight of two WMC18/WMi18 Mounting Brackets: 2.1 kg.

WMC18 WMi18 - Mounting Hole Pattern

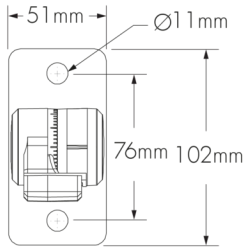


WMC24 - Wall Mounting Continuously Adjustable, 610 mm to Optical Centre
WMi24 - Wall Mounting Incrementally Adjustable by 6°, 610 mm to Optical Centre



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

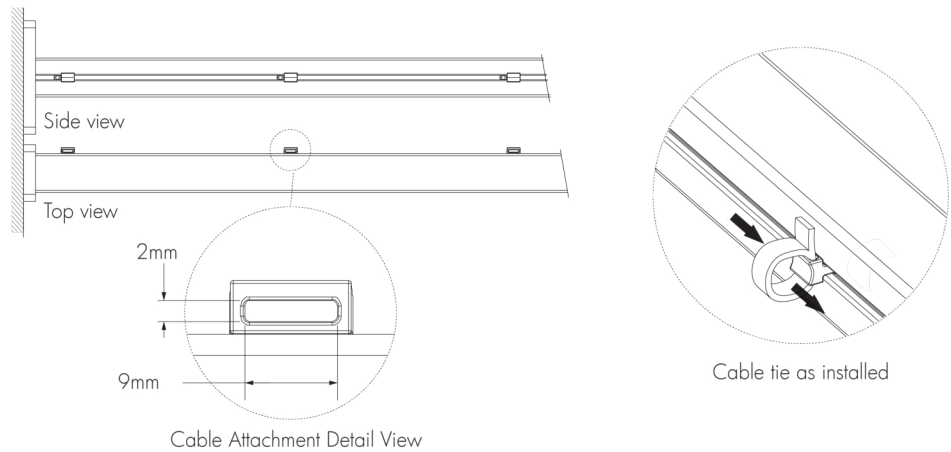
WMC24 WMi24 - Mounting Hole Pattern



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

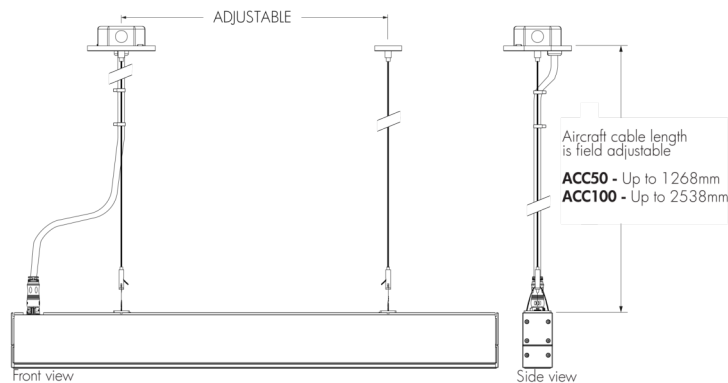


- 1 cable attachment provided for WMC6 and WMi6 mounting arms.
- 2 cable attachments provided for WMC12, WMi12, WMC18 and WMi18 mounting arms.
- 3 cable attachments provided for WMC24 and WMi24 mounting arms.

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

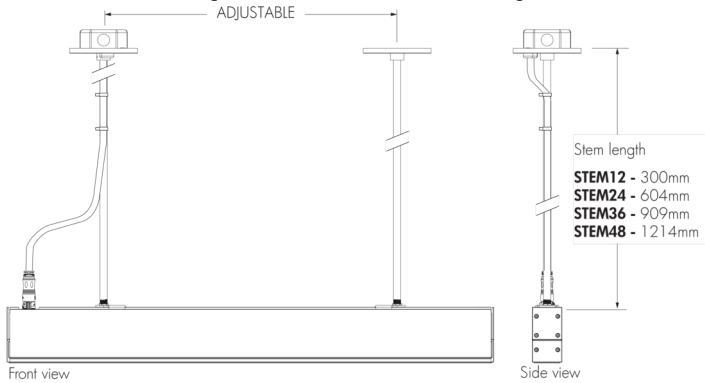
Mounting Options

ACC50 - Aircraft Cable 1270 mm
ACC100 - Aircraft Cable 2540 mm



Not suitable when fixture is exposed to wind.
Weight of ACC50 Mounting Brackets: 0.15 kg.
Weight of ACC100 Mounting Brackets 0.3 kg.

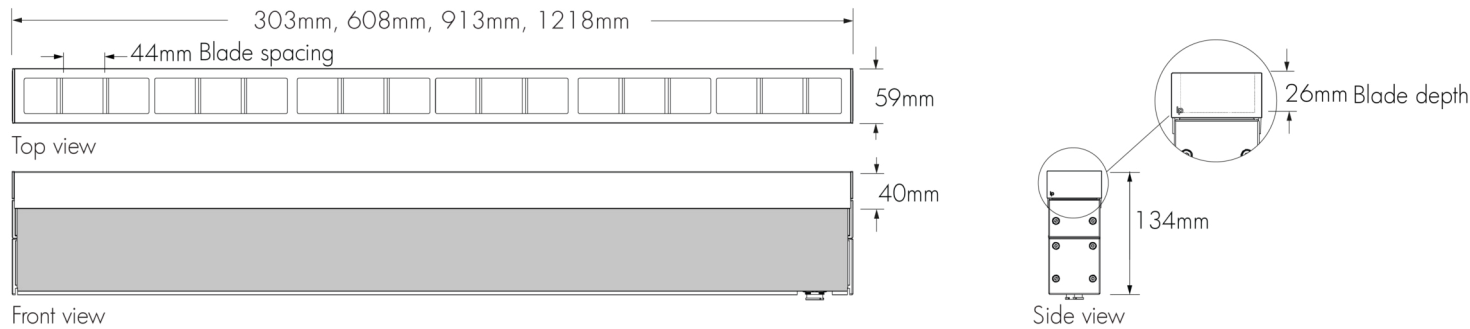
STEM12 - Stem Mounting 305 mm, STEM24 - Stem Mounting 610 mm
STEM36 - Stem Mounting 914 mm, STEM48 - Stem Mounting 1219 mm



Not suitable when fixture is exposed to wind.
Weight of STEM12 Mounting Brackets: 0.35 kg.
Weight of STEM24 Mounting Brackets: 0.5 kg.
Weight of STEM36 Mounting Brackets: 0.65 kg.
Weight of STEM48 Mounting Brackets: 0.8 kg.

Accessories

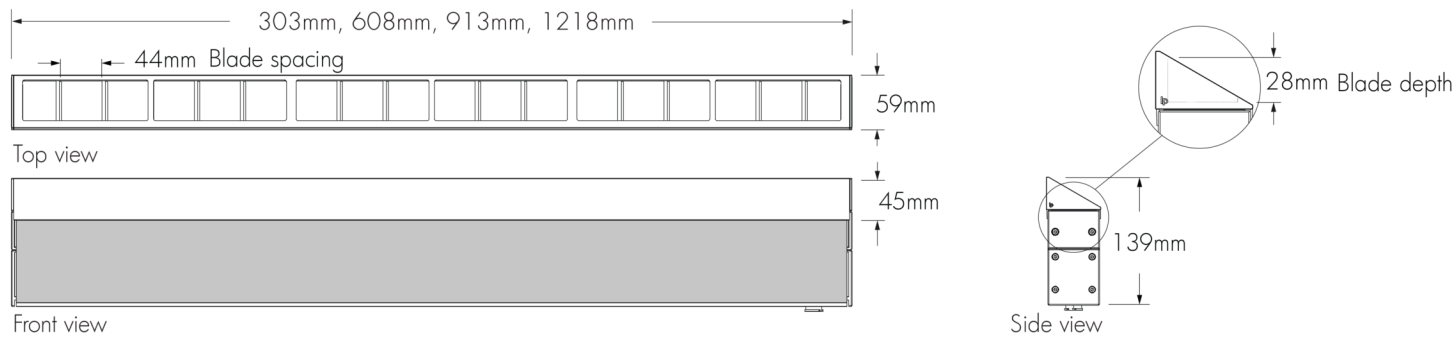
LV - Radial Louvre



- 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.

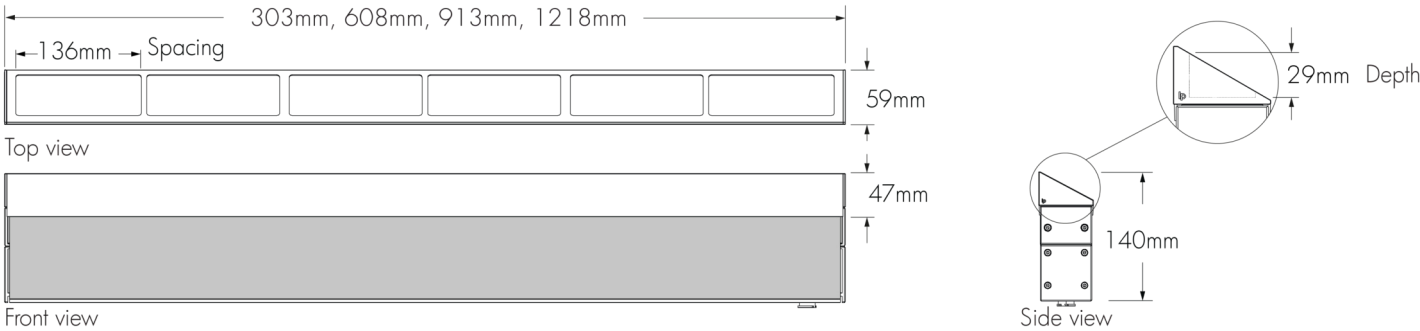
LVAS - Radial Louvre Asymmetric



- 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.

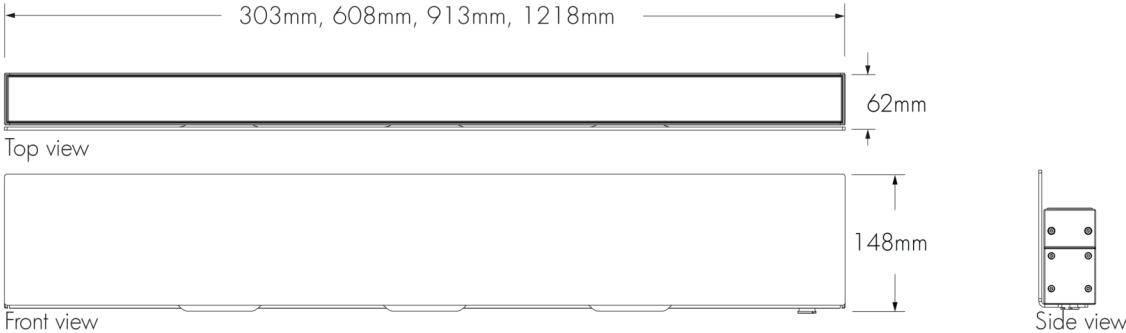
VS - Visor



- 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 (22K, 27K, 30K, 35K, 40K)

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

- ✓ Lens option
✗ Not available

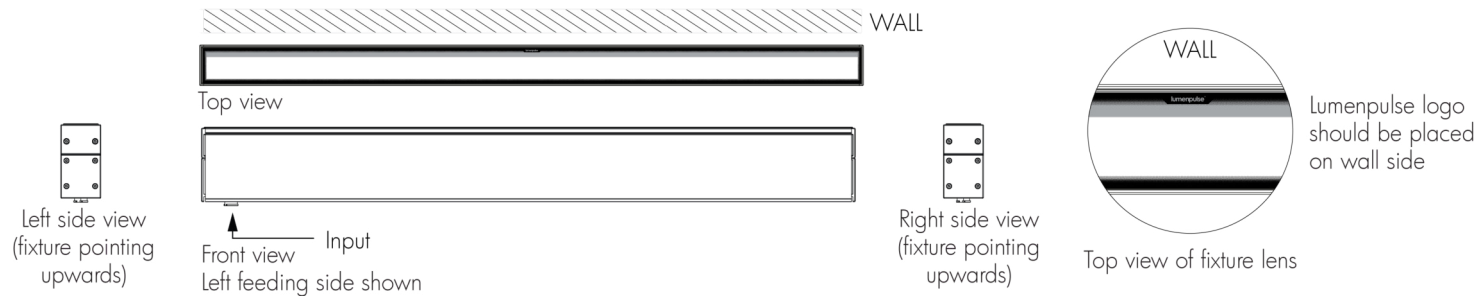
Lens and Optics Combinations Table (RD, GR, BL, AMB)

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

- ✓ Lens option
✗ Not available

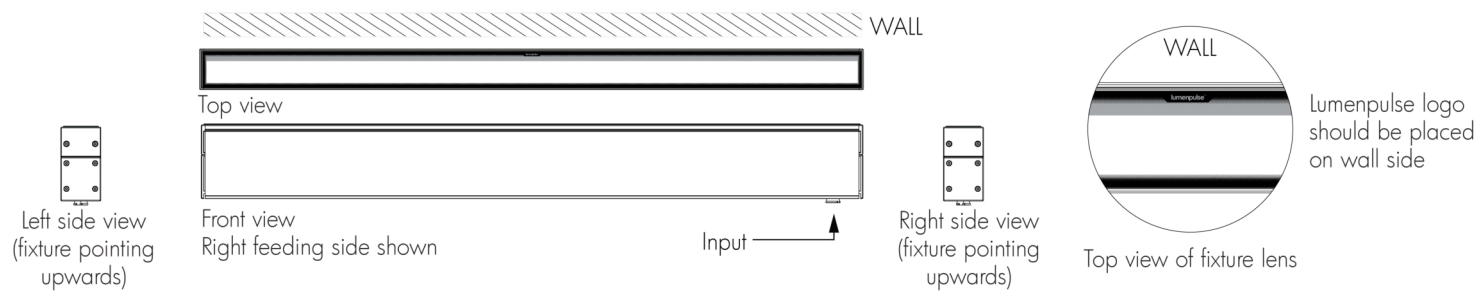
Half-Frosted Lens Details

Left Feeding Side



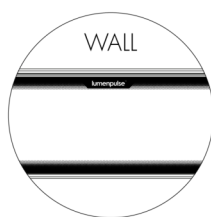
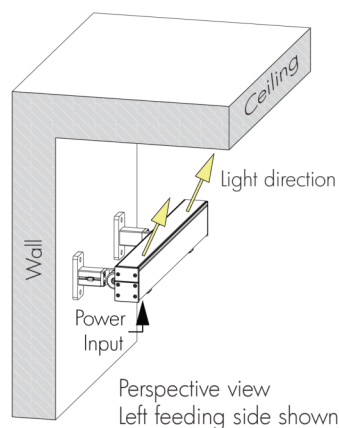
- Position frosted side of the lens and Lumenpulse logo along the wall.
- Fixture's feeding side is based on upright installations. Feeding sides are reversed when fixture is used in a downlight application.

Right Feeding Side



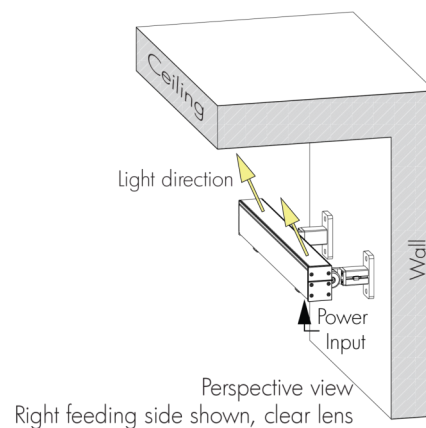
- Position frosted side of the lens and Lumenpulse logo along the wall.
- Fixture's feeding side is based on upright installations. Feeding sides are reversed when fixture is used in a downlight application.

Ceiling Asymmetric Optic Details



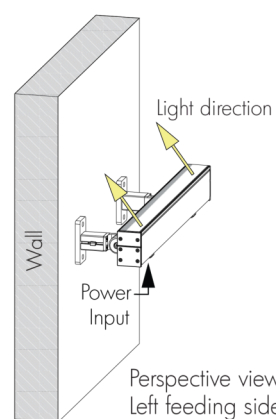
Top view of fixture lens

Lumenpulse logo should be placed on wall side



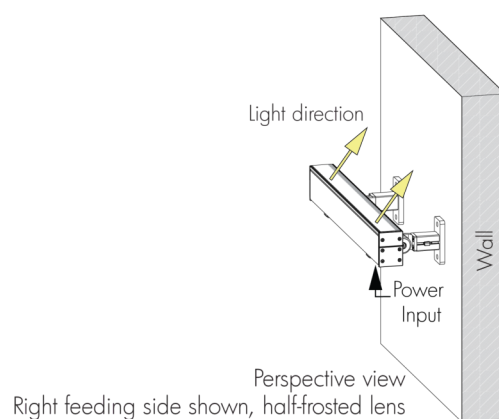
- Always position Lumenpulse logo on lens along the wall.
- Fixture's feeding side is based on uplight installations. Feeding sides are reversed when fixture is used in a downlight application.
- **Ceiling Asymmetric optic guidelines:** 457 mm minimum setback, 1:5 setback/canopy depth ratio (based on CL lens).

Narrow Asymmetric and Asymmetric Wallwash Optics Details



Top view of fixture lens

Lumenpulse logo should be placed on wall 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.
- **Narrow Asymmetric optic guidelines:** 305 mm minimum setback, 1:10 setback ratio (based on HFR lens).
- **Asymmetric Wallwash optic guidelines:** 152 mm minimum setback, 1:8 setback ratio (based on HFR lens).

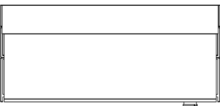
EPA Guide - Fixture

Fixture

	303 mm	608 mm	913 mm	1218 mm
EPA Top (m²) 	0.022	0.044	0.066	0.089
EPA Front (m²) 	0.041	0.082	0.124	0.165
EPA Side (m²) 	0.008	0.008	0.008	0.008

EPA Guide - Fixture with Accessory

Fixture With Radial Louvre Accessory

	303 mm	608 mm	913 mm	1218 mm
EPA Top (m²) 	0.022	0.044	0.066	0.089
EPA Front (m²) 	0.053	0.106	0.159	0.212
EPA Side (m²) 	0.009	0.009	0.009	0.009

Fixture With Radial Louvre Asymmetric Accessory

	303 mm	608 mm	913 mm	1218 mm
EPA Top (m²) 	0.022	0.044	0.066	0.089
EPA Front (m²) 	0.054	0.108	0.162	0.217
EPA Side (m²) 	0.009	0.009	0.009	0.009

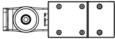
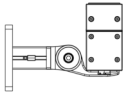
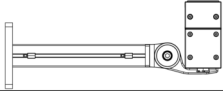
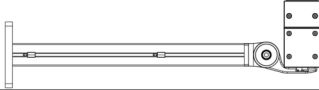
Fixture With Visor Accessory

	303 mm	608 mm	913 mm	1218 mm
EPA Top (m²) 	0.022	0.044	0.066	0.089
EPA Front (m²) 	0.054	0.108	0.162	0.217
EPA Side (m²) 	0.009	0.009	0.009	0.009

Fixture With Shield Accessory

	303 mm	608 mm	913 mm	1218 mm
EPA Top (m²) 	0.022	0.044	0.066	0.089
EPA Front (m²) 	0.086	0.173	0.259	0.346
EPA Side (m²) 	0.008	0.008	0.008	0.008

EPA Guide - Mounting Option

EPA Top/Side (m²)		
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	

Resolution Details

DMX/RDM Control, Resolution Per Foot: Each 305 mm Section is Addressed Independently

DMX Addresses:



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

DMX Addresses:



- 1219 mm fixtures shown.
- Applicable for DMX/RDM control option only. Fixture resolution can be configured on-site within the LumenID V3 software. A DMX/RDM enabled CBX is required.

Wiring Colour Code

NO, DIM, DALI and LT Control (XC3P2D)

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

DMX/RDM and ExtendX Controls (XC3P3D)

CE Color Code	Use
Blue	Neutral
Green/yellow	Ground
Brown	Line
Gray	Signal Common
Purple	Data +
Orange	Data -

Maximum Fixture Run Length Table

On/Off Control (NO)

Lumenfacade Max 19.68W/m

Voltage	100V	220V	240V
Maximum Run of Fixtures	40m	124m	135m

Lumenfacade Max 32.8W/m

Voltage	100V	220V	240V
Maximum Run of Fixtures	30m	79m	85m

Lumenfacade Max 72.18W/m

Voltage	100V	220V	240V
Maximum Run of Fixtures	17m	38m	40m

Based 1218 mm fixtures, ON/OFF control, 3 m Leader Cable for an end-to-end run with 0.3 m Jumper Cables between fixtures. Refer to Typical Wiring Diagrams for Control Protocol specific run length rules.

DMX/RDM Control (DMX/RDM)

Lumenfacade Max 19.68W/m

Voltage	Resolution	100V	220V	240V
Maximum Fixture Run Length	Per 0.3m	49m	78m	78m

Lumenfacade Max 32.8W/m

Voltage	Resolution	100V	220V	240V
Maximum Fixture Run Length	Per 0.3m	37m	78m	78m

Lumenfacade Max 72.18W/m

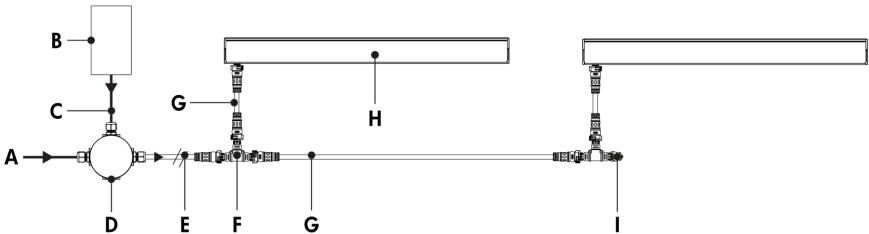
Voltage	Resolution	100V	220V	240V
Maximum Fixture Run Length	Per 0.3m	20m	38m	40m

Based 1218 mm fixtures, per foot resolution, DMX/RDM control, 3 m Leader Cable for an end-to-end run with 0.3 m Jumper Cables between fixtures. Refer to Typical Wiring Diagrams for Control Protocol specific run length rules.

Typical Wiring Diagrams

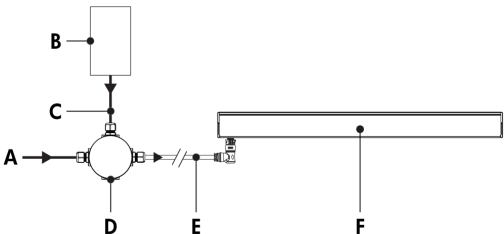
NO - On/Off Control, DIM - 1-10V Dimming and DALI - DALI 2 T6 Control

Continuous Run



- A - Power input (220 to 240V, 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 with straight connector (LFLC XC3P2D)
- F - T-Junction (LFTJ XC3P2D)
- G - Jumper Cable (LFJC XC3P2D)
- H - Lumenfacade Max Standalone (LFM-SA)
- I - Sealing End Cap

Single Unit



- A - Power input (220 to 240V, 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 with 90° angle connector (LFLC XC3P2D)
- F - Lumenfacade Max Standalone (LFM-SA)
- G - Sealing End Cap

For all control options:

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

DIM Control:

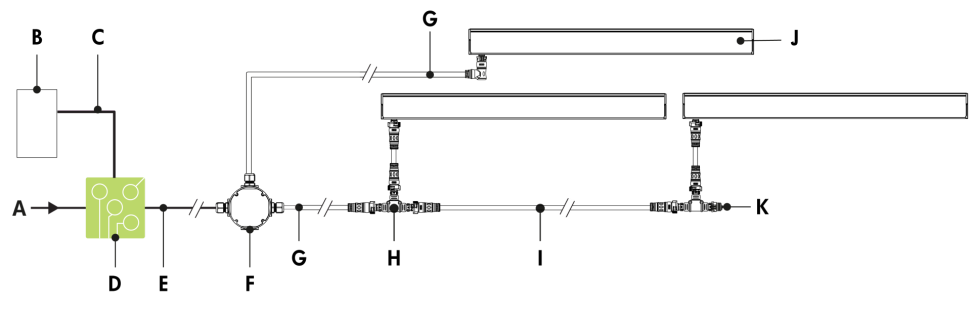
- 1-10V mA ratings: passive dimmer (Current Sink): 3mA per fixture, active dimmer (Current Source): 0.5mA per fixture.
- Less than 1% minimum dimming value.

DALI Control:

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

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

Lumentalk (LT)

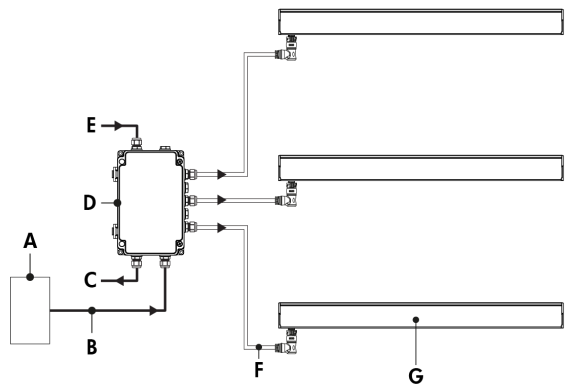


- A - Power input (220 to 240V, wiring by others)
- B - Dimmer/controller (order separately from Lumenpulse, or by others)
- C - Data wiring (by others)
- D - Lumentranslator 2 (LTL2-DIM, -DMX, -TRIAC, -DALI)
- E - Power wiring (by others)
- F - Junction box (by others)
- G - Leader Cable (LFLC XC3P2D)
- H - Lumenfacade T-Junction (LFTJ XC3P2D)
- I - Jumper Cable (LFJC XC3P2D)
- J - Lumenfacade Max Standalone (LFM-SA)
- K - Sealing End Cap

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

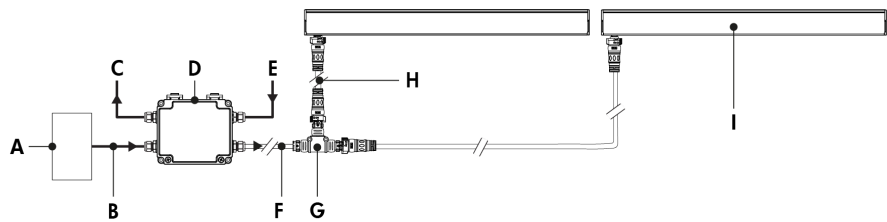
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- For DMX applications: 1 DMX controller per Lumentalk network, maximum of 48 DMX channels per Lumentalk network (minimum step transition update rate is 1 second, minimum fade time between two colours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

Star Layout (DMX/RDM)



- A - Third-party DMX/RDM controller
- B - Data input (Belden 9841 or equivalent, by others)
- C - Data output to next CBX (optional, not isolated/not boosted)
- D - CBX-ST
- E - Power input (220 to 240V, wiring by others)
- F - Leader Cable LFLC XC3P3D-90D or LFLC XC3P3D-180D
- G - Lumenfacade Max Standalone (LFM-SA)

Daisy Chain Layout (DMX/RDM)



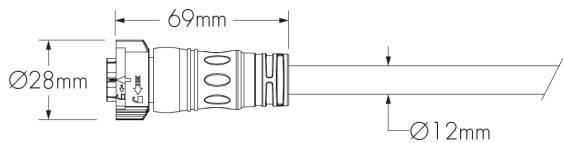
- A - Third-party DMX/RDM controller
- B - Data input (Belden 9841 or equivalent, by others)
- C - Data output to next CBX (optional, not isolated/not boosted)
- D - CBX-ST
- E - Power input (220 to 240V, wiring by others)
- F - Leader Cable (LFLC XC3P3D)
- G - Lumenfacade T-Junction (LFTJ XC3P3D, optional)
- H - Jumper Cable with 180° straight connector (LFJC XC3P3D)
- I - Lumenfacade Max Standalone (LFM-SA)

Refer to installation instructions for additional wiring details.

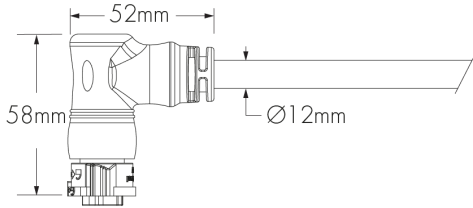
- Consult CBX installation instructions for additional wiring details.
- 15.2 m maximum DMX/RDM "Stub" length.
- Maximum of 1 fixture per "Stub".
- 1 DMX universe = 512 @ 1-channel controllable segments.
- Maximum of 4 DMX/RDM repeaters/CBX cascading in line.
- Maximum of 6 outputs per CBX-ST; maximum of 1 output per CBX-DS.
- Maximum of 64 DMX/RDM enabled fixtures per CBX output.
- Maximum DMX/RDM cable length of 243.8 m ("Bus" and "Stubs").

Leader Cable (Order Separately)

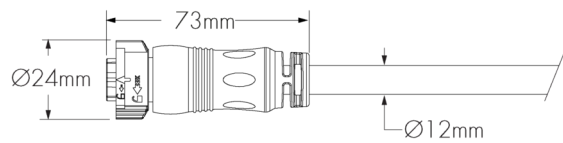
LFCL - Lumenfacade Leader Cable (XC3P2D)
180D (Straight Connector)



LFCL - Lumenfacade Leader Cable (XC3P2D and XC3P3D)
90D (90° Angle Connector)



LFCL - Lumenfacade Leader Cable (XC3P3D)
180D (Straight Connector)



LFCL-TYPE-CERTIFICATION-VOLTAGE-LENGTH-CONNECTOR/CABLE TYPE-CONNECTOR SHAPE-CABLE/CONNECTOR COLOUR

Please specify:

NO, DIM, DALI and LT applications:

TYPE: SA (Standalone); **CERTIFICATION:** CE; **VOLTAGE:** 120_277; **LENGTH:** 3 m, 7.6 m, 15.2 m, 30.5 m, 30.5 m or 61 m; **CONNECTOR/CABLE TYPE:** XC3P2D (5x 16AWG X-lock size); **CONNECTOR SHAPE:** 180D (Straight Connector) or 90D (90° Angle connector); **CABLE/CONNECTOR COLOUR:** BK (Black) (connectors are the same colour as the specified cable colour).

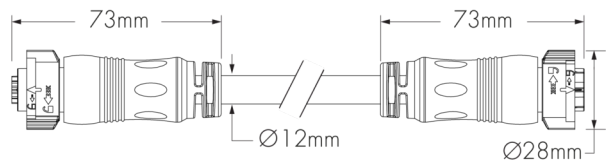
DMX/RDM applications:

TYPE: SA (Standalone); **CERTIFICATION:** CE; **VOLTAGE:** 120_277; **LENGTH:** 3 m, 7.6 m, 15.2 m, 30.5 m, 30.5 m or 61 m; **CONNECTOR/CABLE TYPE:** XC3P3D (3x14AWG + 3x24AWG X-lock C-size); **CONNECTOR SHAPE:** 180D (Straight Connector) or 90D (90° Angle Connector); **CABLE/CONNECTOR COLOUR:** BK (Black) (connectors are the same colour as the specified cable colour).

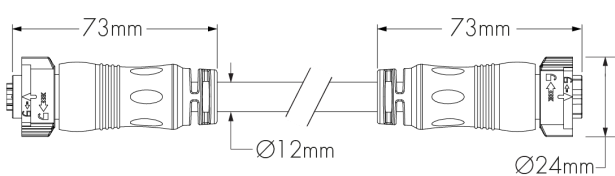
- Consult Lumenfacade Leader cable specification sheet for all available cable lengths and additional information.

Jumper Cable (Order Separately)

LFJC - Lumenfacade Jumper Cable (XC3P2D)



LFJC - Lumenfacade Jumper Cable (XC3P3D)



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

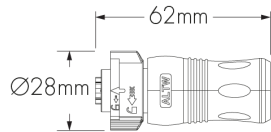
Please specify:

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) or XC3P3D (3x14AWG + 3x24AWG X-lock C-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.

DMX/RDM Terminator (Included with Leader Cable)

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



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

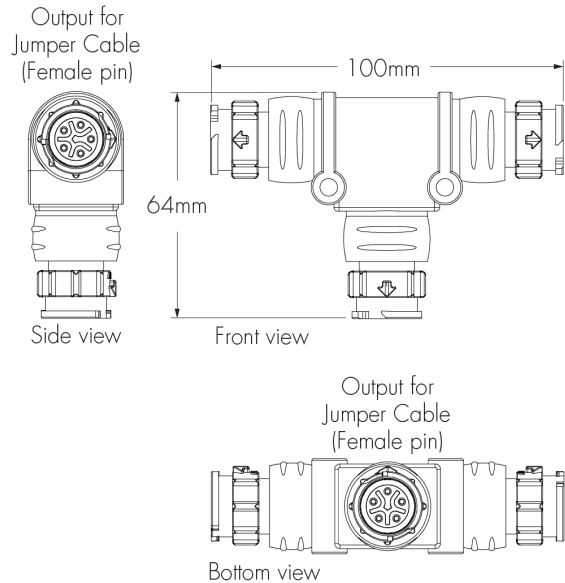
Please specify:

148161: Black (BK) or 150394: White (WH)

T-Junction (Order Separately)

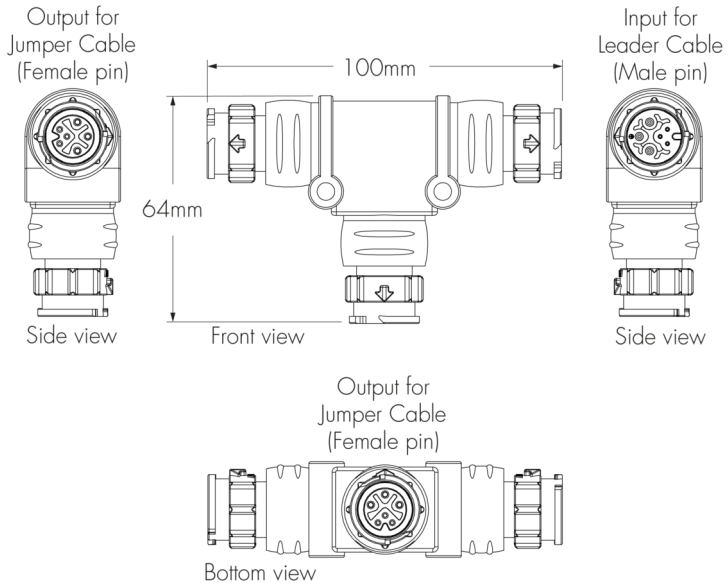
LFTJ - Lumenfacade T-Junction (XC3P2D)

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



LFTJ - Lumenfacade T-Junction (XC3P3D)

Available for DMX/RDM Control Option Only



LFTJ-CONNECTOR/CABLE TYPE-CABLE/CONNECTOR COLOUR

Please specify:

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

- 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 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.
- For DMX/RDM applications, an installation must not exceed 64 fixtures and 243.8 m of cable. Additionally, each stub must not exceed 15.2 m.

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

Control Systems (Order Separately)

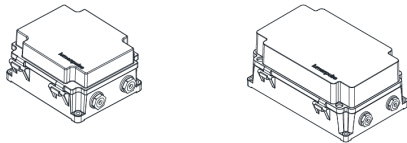
PHAROS - Pharos® Kit



The Pharos kit, available for 1 or 2 DMX universes, allows for complete control of large lighting installations. 2 DMX universes kit shown.

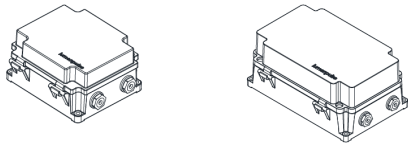
Control Boxes (Order Separately)

CBX-DMX/RDM - DMX/RDM Enabled (Daisy Chain or Star Configuration)



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

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



Ethernet control box. Up to four power and data outputs to fixture or fixture runs. Consult Ethernet CBX specification sheet and installation instructions for details.

Diagnostic And Addressing Tools (Order Separately)

LID - LumenID



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

LID-LT - LumentalkID



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

How to Order

Housing	Type	Certification	Voltage	Length	Wattage	Colour and Colour Temperature	Colour Rendering ⁽⁷⁾	Optic	Lens	Feeding Side	Control	Vibration Rating ⁽²⁶⁾
LFM Lumenfacade Max	SA Standalone	CE CE Compliant (Class I) PSE PSE Certification ^{(1) (2) (3)}	230 220 to 240 volts 100_200 100 to 200 volts (PSE Certification) ⁽⁴⁾	12 303 mm 24 608 mm 36 913 mm 48 1218 mm	6W 19.68 W/m ^{(5) (6)} 10W 32.8 W/m 22W 72.18 W/m ⁽⁷⁾	22K 2200K 27K 2700K 30K 3000K 35K 3500K 40K 4000K RD Red ^{(8) (9)} GR Green ^{(8) (9)} BL Blue ^{(8) (9)} AMB Phosphor Converted Amber (PC Amber) ^{(8) (9)}	80 CRI 80+ ⁽¹⁰⁾	8x8 8° x 8° ^{(7) (11)} 10x10 10° x 10° ⁽¹¹⁾ 10x30 10° x 30° 10x60 10° x 60° 10x90 10° x 90° 30x30 30° x 30° ⁽¹²⁾ 30x60 30° x 60° ⁽¹²⁾ 30x90 30° x 90° ⁽¹²⁾ 60x60 60° x 60° ⁽¹²⁾ 90x90 90° x 90° ⁽¹²⁾ 30x10 30° x 10° ⁽¹²⁾ 60x10 60° x 10° ⁽¹²⁾ 60x30 60° x 30° ⁽¹²⁾ 90x10 90° x 10° ⁽¹²⁾ W Wide 120° ⁽¹²⁾ NAS Narrow Asymmetric ^{(13) (14) (15)} WW Asymmetric Wallwash ⁽¹⁶⁾ CAS Ceiling Asymmetric ⁽¹²⁾	CL Clear Lens ⁽¹⁷⁾ HFR Half-Frosted Lens ⁽¹⁸⁾ FR Frosted Lens ⁽¹⁹⁾	NF No Feed Information Required LF Left Feeding Side RF Right Feeding Side	NO On/Off Control DIM 0-10V Dimming ⁽²⁰⁾ DALI DALI 2 T6 Control ^{(20) (21)} LT Lumentalk ^{(20) (22)} DMX/RDM DMX/RDM Enabled ^{(20) (23)} ETX ExtendX™ ^{(20) (24) (25)}	NVR Buildings and Fixed Structures ⁽²⁷⁾ VRN Pole-Mounts ^{(28) (29)} VRBO Bridges and Overpasses ⁽³⁰⁾

Notes:

1. Available for the Japanese market only.

2. Available for 100_200V voltage option only.

3. Consult your local Sales Representative for PSE certification.

4. Available for PSE Certification only.

5. Consult factory for applications with 305 mm fixtures.

6. Consult factory for applications with PSE Certification.

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

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

9. Available for 19.68 W/m and 32.8 W/m versions only.

10. Consult factory for CRI 90+.

11. For best results use a minimum 76 mm setback from surface. Contact factory for application support.

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

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

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

15. When combined with FR lens, RF or LF feeding side must be specified.

16. Can be combined with a HFR or FR lens only.
17. When CL lens is combined with NAS or CAS optic, LF or RF feeding side must be specified.

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

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

20. Minimum dimming value is less than 1%.

21. DALI 2 T6 controller required, provided by others.

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

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

24. An Ethernet CBX is required. Refer to the ETX configuration in the Ethernet CBX Specification Sheet for details.

25. ETX Control Option is not compatible with LFTJ T-Junction Accessory.

26. Consult factory for vibration rating requirements on vertical installations.

27. Available for all mounting options.

28. Available for FX, WMC1, WM1, WMC3 and WM3 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.

29. Consult factory for pole mounting accessories.

30. Available for FX, WM1, and WM3 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.

How to Order

Mounting Options	Canopy Finish	Environment	Finish	Accessories ⁽⁴⁶⁾ ⁽⁴⁷⁾
SM Slim Adjustable Mounting Continuously Adjustable (110° Pivot Limit) ⁽³¹⁾ ⁽³²⁾ ⁽³³⁾ FX Fixed Mounting (0° Pivot Limit) ⁽³²⁾ ⁽³⁴⁾ WMC1 Wall Mounting Continuously Adjustable, 38 mm to Optical Centre (180° Pivot Limit) ⁽³²⁾ ⁽³³⁾ ⁽³⁵⁾ WMI1 Wall Mounting Incrementally Adjustable by 6°, 38 mm to Optical Centre (180° Pivot Limit) ⁽³²⁾ ⁽³⁴⁾ WMC3 Wall Mounting Continuously Adjustable, 89 mm to Optical Centre (130° Pivot Limit) ⁽³²⁾ ⁽³³⁾ ⁽³⁵⁾ WMI3 Wall Mounting Incrementally Adjustable by 6°, 89 mm to Optical Centre (130° Pivot Limit) ⁽³²⁾ ⁽³⁴⁾ WMC6 Wall Mounting Continuously Adjustable, 152 mm to Optical Centre (170° Pivot Limit) ⁽³²⁾ ⁽³³⁾ ⁽³⁶⁾ WMI6 Wall Mounting Incrementally Adjustable by 6°, 152 mm to Optical Centre (170° Pivot Limit) ⁽³²⁾ ⁽³⁷⁾ WMC12 Wall Mounting Continuously Adjustable, 305 mm to Optical Centre (180° Pivot Limit) ⁽³²⁾ ⁽³³⁾ ⁽³⁶⁾ WMI12 Wall Mounting Incrementally Adjustable by 6°, 305 mm to Optical Centre (180° Pivot Limit) ⁽³²⁾ ⁽³⁷⁾ WMC18 Wall Mounting Continuously Adjustable, 457 mm to Optical Centre (180° Pivot Limit) ⁽³²⁾ ⁽³³⁾ ⁽³⁶⁾ WMI18 Wall Mounting Incrementally Adjustable by 6°, 457 mm to Optical Centre (180° Pivot Limit) ⁽³²⁾ ⁽³⁷⁾ WMC24 Wall Mounting Continuously Adjustable, 610 mm to Optical Centre (180° Pivot Limit) ⁽³¹⁾ ⁽³²⁾ ⁽³³⁾ WMI24 Wall Mounting Incrementally Adjustable by 6°, 610 mm to Optical Centre (180° Pivot Limit) ⁽³¹⁾ ⁽³²⁾ ⁽³³⁾ STEM12 Stem Mounting 305 mm ⁽³¹⁾ ⁽³³⁾ ⁽³⁸⁾ ⁽³⁹⁾ STEM24 Stem Mounting 610 mm ⁽³¹⁾ ⁽³³⁾ ⁽³⁸⁾ ⁽³⁹⁾ STEM36 Stem Mounting 914 mm ⁽³¹⁾ ⁽³³⁾ ⁽³⁸⁾ ⁽³⁹⁾ STEM48 Stem Mounting 1219 mm ⁽³¹⁾ ⁽³³⁾ ⁽³⁸⁾ ⁽³⁹⁾ ACC50 Aircraft Cable 1270 mm ⁽³¹⁾ ⁽³³⁾ ⁽³⁸⁾ ⁽³⁹⁾ ACC100 Aircraft Cable 2540 mm ⁽³¹⁾ ⁽³³⁾ ⁽³⁸⁾ ⁽³⁹⁾	BK Black Sandtex® SI Silver Sandtex® WH White CC Custom Colour & Finish ⁽⁴⁰⁾ ⁽⁴¹⁾ ⁽⁴²⁾	XD Extra durable multi-step finish ⁽⁴³⁾ ⁽⁴⁴⁾	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 ⁽⁴⁰⁾ ⁽⁴²⁾ ⁽⁴⁵⁾	NA No Accessory LV Radial Louver ⁽³¹⁾ ⁽⁴⁸⁾ LVAS Radial Louver Asymmetric ⁽³¹⁾ VS Visor ⁽³¹⁾ SH Shield ⁽³¹⁾ ⁽⁴⁹⁾

Notes:

- 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.** One mounting bracket provided for 303 mm fixtures. Two mounting brackets provided for 608 mm, 913 mm and 1218 mm fixtures.
- 33.** Not suitable for bridge and overpass applications.
- 34.** Vibration tested in accordance with ANSI 136.31 2018 at 3Gv.
- 35.** Vibration tested in accordance with ANSI 136.31 2018 at 1.5Gv.
- 36.** Vibration tested in accordance with ANSI 136.31 2018 at 2.3Gv.
- 37.** Vibration tested in accordance with ANSI 136.31 2018 at 4.6Gv.
- 38.** Two mounting brackets provided for each fixture length.
- 39.** Not suitable when fixture is exposed to wind.
- 40.** Setup charges apply for RAL colours. Consult factory for details.
- 41.** Lumenpulse offers a wide selection of RAL colours. Please consult factory for a list of available colours, other RAL textures and glosses, or to match alternate colour charts. Final colour matching results may vary.

- 42.** Longer lead times can be expected for custom RAL colour finishes.
- 43.** Zirconium pretreatment completed with corrosion-resistant primer and electrostatically-applied powder coat paint finish.
- 44.** For natatorium or full salt spray applications, consult factory.
- 45.** 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.
- 46.** SH accessory can be combined with LV, LVAS or VS accessories. All other combinations are not possible.
- 47.** The exterior finish of the accessory will match the finish specified in the fixture order code (interior surface painted matte black).
- 48.** Available for 8x8, 10x10, 10x30, 10x60, 10x90, 30x30, 30x60, 30x90, 60x60, 90x90, 30x10, 60x10, 60x30, 90x10 and W optics only.
- 49.** Not suitable for bridge and overpass applications. The Shield can be installed in zones with wind speeds up to 193 km/h. Consult factory for zones with wind speeds higher than 193 km/h.