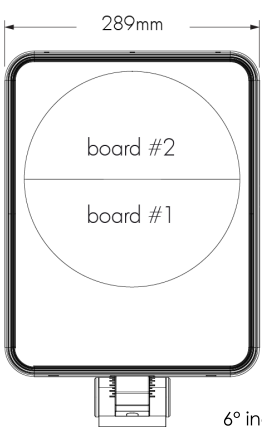


Project Name

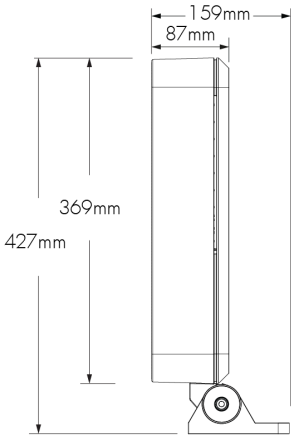
Qty

Type

Catalog / Part Number



Front view
6° increment pivot



Side view

Photometric Summary

Symmetric		
	Delivered output (lm)	Intensity (peak cd)
XN (3°)	8,357	1,032,800
VN (6°)	7,825	562,416
NS (10°)	7,882	304,148
NF (20°)	12,483	129,569
M (30°)	11,447	48,334
FL (40°)	10,500	23,266
WFL (60°)	9,537	8,410

Asymmetric		
	Delivered output (lm)	Intensity (peak cd)
NAS	6,556	108,502 (@2.5°)
WW	9,951	25,111 (@5°)

Roadway		Delivered output (lm)
2-Type II (ME2-ME6, CE)		10,177
3-Type III (ME2-ME6, CE)		10,568
4-Type IV (ME2-ME6, CE, S)		9,321
5S-Type VS (S)		10,184

Based on 4000K configuration.
Photometric performance is measured externally in compliance with IESNA LM-79-24.
Refer to LDT files for photometric information on distributions with backlight shield options (2BLS, 3BLS and 4BLS).

Description

The Lumenquad Grande, 100W LED luminaire, has a sleek 87 mm profile with no visible wiring or hardware and seamlessly integrates with any architecture. Lumenpulse’s latest generation of LED boards possess an optimised candela and lumens recipe for both Narrow and Wide optics. The Lumenquad Grande is the epitome of versatility and can be configured with numerous options including optics for wallwash, floodlighting, or street lighting, a choice of colour temperatures and colours, as well as various mounting options, accessories, controls, and multiple standard finishes.

Features

Colour and Colour Temperature	2200K, 2700K, 3000K, 3500K, 4000K, 5700K, Red, Green, Blue
Optics (Nominal Distribution)	XN (3°), VN (6°), NS (10°), NF (20°), M (30°), FL (40°), VWFL (90°), WFL (60°), NAS (Narrow Asymmetric), WW (Asymmetric Wallwash), Type II (ME2-ME6, CE), Type II backlight shield (ME2-ME6, CE), Type III (ME2-ME6, CE), Type III backlight shield (ME2-ME6, CE), Type IV (ME2-ME6, CE, S), Type IV backlight shield (ME2-ME6, CE, S), Type VS (S)

Mounting Options	Surface Mount, Wall Mount Bracket with Decorative Cover, Wall Mount Bracket without Decorative Cover, Recessed JBOX Wall Mount with Decorative Cover, Recessed JBOX Wall Mount Without Decorative Cover, Pole Mount, Tenon Mount, Stake Mount, All mounting options have a pivot adjustable in 6° increments, consult factory for universal pivot option.
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Optical Options (Factory Installed)	Linear Spread Lens Horizontal Distribution, Linear Spread Lens Vertical Distribution, Honeycomb Louver
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Option	Corrosion-Resistant Coating for Hostile Environments
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Power Consumption	100 W
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Warranty	5-year limited warranty
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Performance

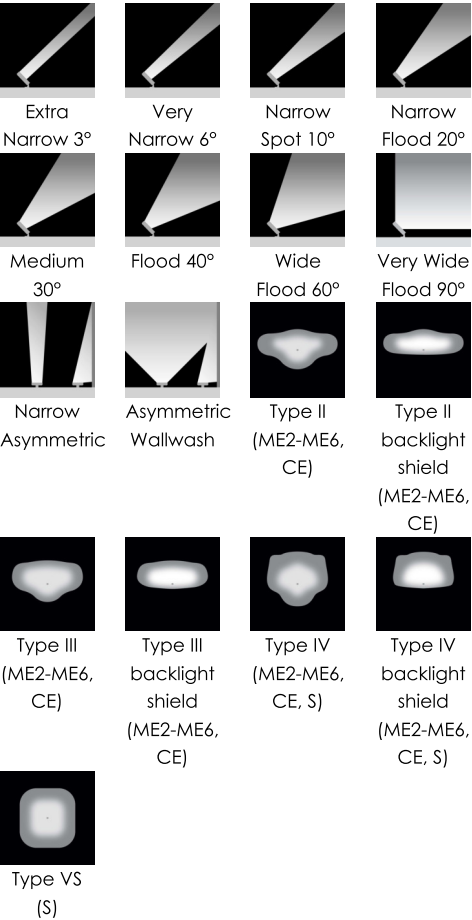
Maximum Delivered Output	12,483 lm (4000K, NF 20°)
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Maximum Delivered Intensity	1,032,800 cd at nadir (4000K, XN 3°)
-----------------------------	--------------------------------------

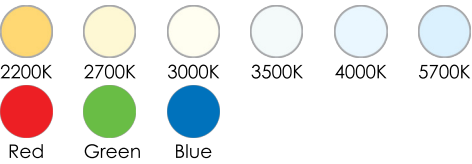
Illuminance at Distance	Minimum 1 lx at 1020 m (4000K, XN 3°)
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Colour Consistency	3 SDCM
--------------------	--------

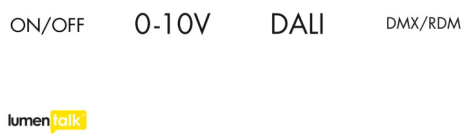
Optic



Colour and Colour Temperature



Control



Ratings

IP66 IK10

Certifications



Colour Rendering	CRI 80+
Lumen Maintenance	L70 B50 > 250,000 hrs (Ta 25 °C) (> 80,000 hrs for XN 3°, VN 6°, NAS optics only)

Physical

Housing Material	Low copper content high pressure die-cast aluminium
Lens Material	Clear tempered glass
Hardware Material	Stainless steel
Gasket Material	Silicone
Surface Finish	Electrostatically applied polyester powder coat
Weight	10.43 kg
EPA	Front = 0.12 m², Side = 0.03 m², Front 45° = 0.11 m²

Electrical and Control

Voltage	100 to 277 volts
Fixture Cable	Power and data in one cable
Conductors	3C: 3 x 1,5 mm² (NO, LT control) 5C: 5 x 1,5 mm² (DIM, DALI, ES control) 6C: 3 x 1,5 mm²/ 3 x 0,20 mm² (DMX/RDM control)
Inrush Current (Peak)	20A @277VAC
Control	On/Off Control, Lumentalk, 1-10V Dimming, DALI Dimming, DMX/RDM Enabled
Resolution (DMX/RDM)	Per fixture, 8-bit or 16-bit

Environmental

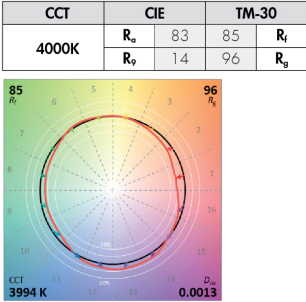
Storage Temperature	-40 °C to 85 °C (device must reach start-up temperature value before operating)
Start-up Temperature	-25 °C to 50 °C
Operating Temperature	-40 °C to 50 °C
Ingress Protection Rating	IP66
Impact Resistance Rating	IK10

Accessories (Order Separately)

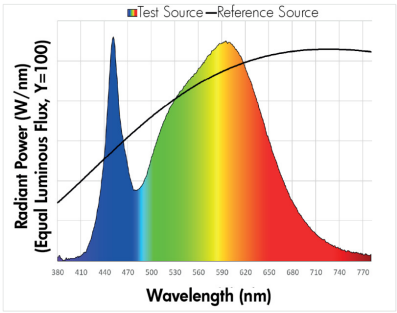
Optical Accessories	Visor, Snoot, Linear Spread Lens Adjustable, Wire Guard
Control Boxes	DMX/RDM enabled (Daisy Chain or Star Configuration), Ethernet enabled (Daisy Chain or Star Configuration)
Control Systems	Lumenscene™ (LSC), Pharos® Lighting Control Kit (PHAROS)
Diagnostic and Addressing Tools	LumenID (LID)

Chromaticity Data

TM-30 - 4000K

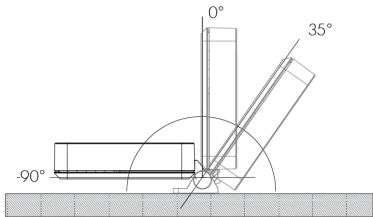


Spectral Power Distribution

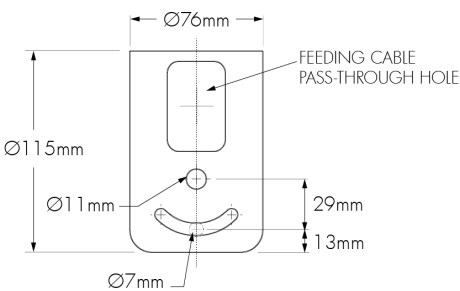


Mounting Options

SM - Surface Mount

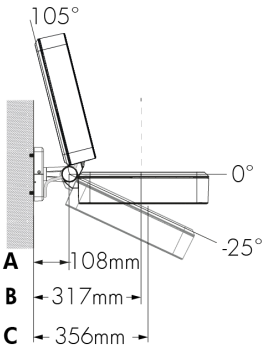


SM - Mounting Hole Pattern

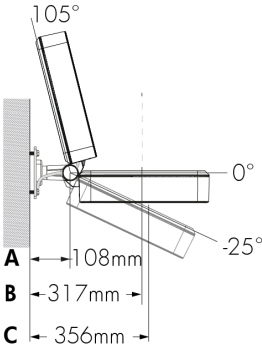


The SM mounting option cannot be interchanged with any other mounting option. All others mountings are interchangeable. Consult factory for details.

WM - Wall Mount Bracket with Decorative Cover

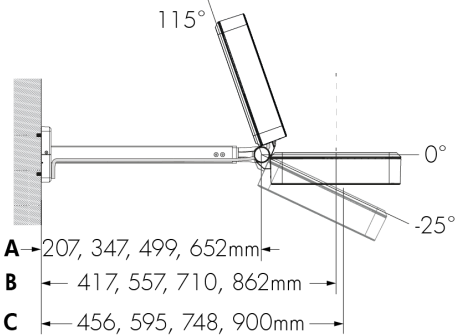


WMNC - Wall Mount Bracket Without Decorative Cover

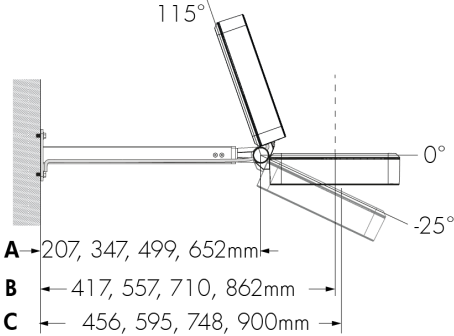


- A - Dimension from wall to pivot.
- B - Dimension from wall to the geometric center of the fixture.
- C - Dimension from wall to the center of the board.

WAM - Wall Mount Bracket With Decorative Cover
152 mm, 305 mm, 457 mm or 610 mm



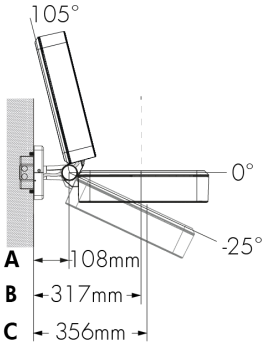
WAMNC - Wall Mount Bracket Without Decorative Cover
Cover 152 mm, 305 mm, 457 mm or 610 mm



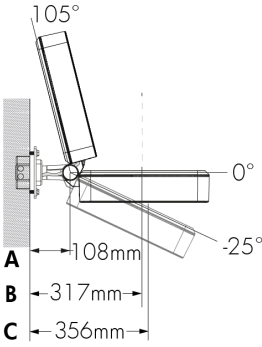
A cable length of 3 m or greater must be specified for the WAM24 mounting option.

A cable length of 3 m or greater must be specified for the WAM24 mounting option.

WMRJB - Recessed JBOX Wall Mount With Decorative Cover



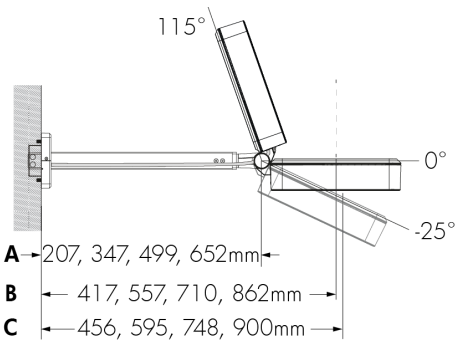
WMRJBNC - Recessed JBOX Wall Mount Without Decorative Cover



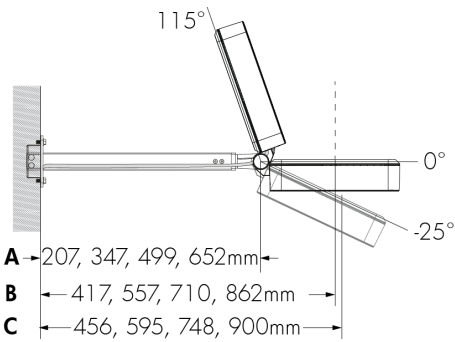
Fixture cable length is determined by Lumenpulse.

Fixture cable length is determined by Lumenpulse.

WAMRJB - Recessed JBOX Wall Arm Mount With
Decorative Cover 152 mm, 305 mm, 457 mm or
610 mm



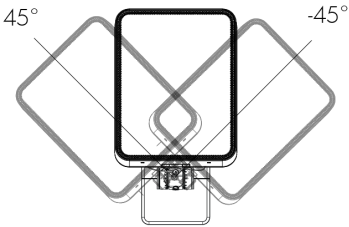
WAMRJBNC - Recessed JBOX Wall Arm Mount
Without Decorative Cover 152 mm, 305 mm,
457 mm or 610 mm



- A - Dimension from wall to pivot.
- B - Dimension from wall to the geometric center of the fixture.
- C - Dimension from wall to the center of the board.

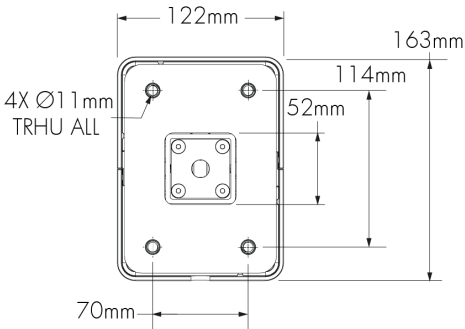
Fixture cable length is determined by Lumenpulse.

Wall Mount Horizontal Pivot Limits

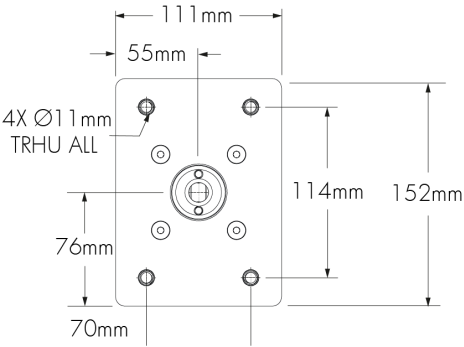


Fixture cable length is determined by Lumenpulse.

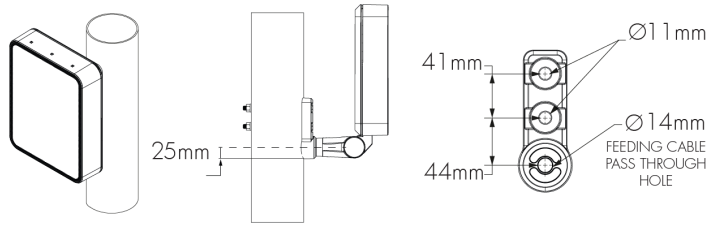
WM, WAM, WMRJB and WAMRJB - Mounting Hole
Pattern



WMNC, WAMNC, WMRJBNC and WAMRJBNC -
Mounting Hole Pattern



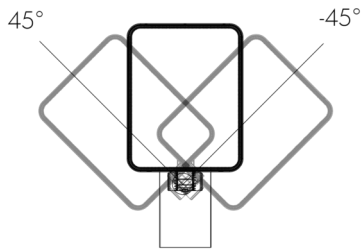
RPM4/1, RPM4.5/1, RPM5/1 - Round Pole Mount



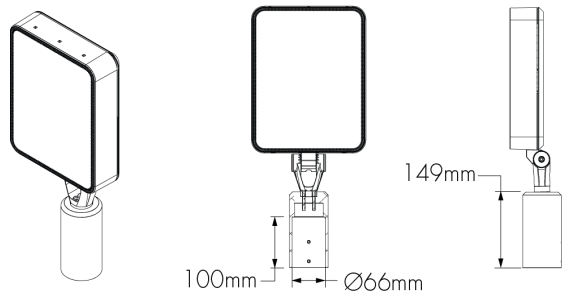
	RPM4/1	RPM4.5/1	RPM5/1
For pole Ø	101.6mm ± 1.6mm	114.3mm ± 1.6mm	127mm ± 1.6mm
Bolt length	133mm	146mm	159mm

Consult factory for other pole diameters.
Hardware included with accessory.

Round Pole Mount Horizontal Pivot Limits

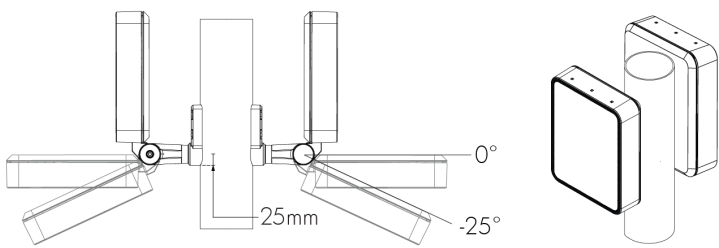


TN2 - Tenon Adapter For 60 mm O.D. Pole



Vertical mounting only. Consult factory for horizontal mounting.

RPM4/2, RPM4.5/2, RPM5/2 - Round Pole Mount For Two Fixtures

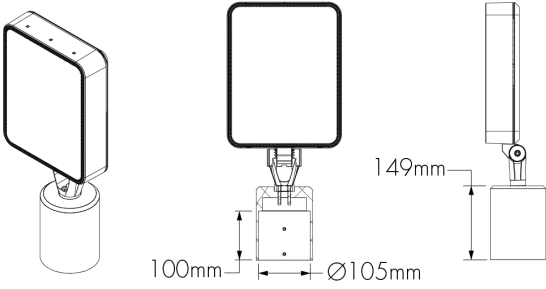


	RPM4/2	RPM4.5/2	RPM5/2
For pole Ø	101.6mm ± 1.6mm	114.3mm ± 1.6mm	127mm ± 1.6mm
Bolt length	146mm	159mm	178mm

Consult factory for other pole diameters.
Hardware included with accessory.

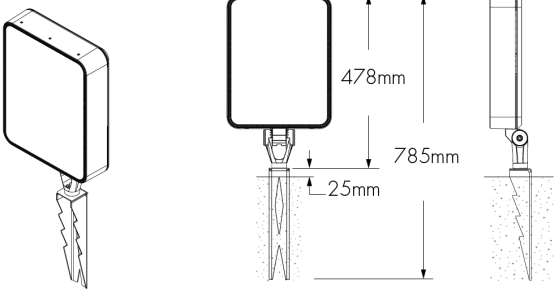
All mounting options (except for SM mounting) are interchangeable. Consult factory for details.
All mounting options have a pivot adjustable in 6° increments, consult factory for universal pivot option.

TN4 - Tenon Adapter For 102 mm O.D. Pole



Vertical mounting only. Consult factory for horizontal mounting.

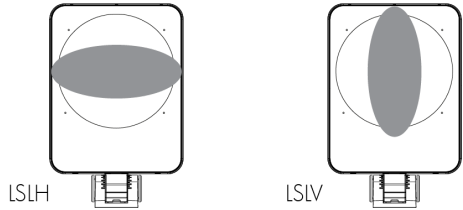
SK - Stake Mount



All mounting options (except for SM mounting) are interchangeable. Consult factory for details.
All mounting options have a pivot adjustable in 6° increments, consult factory for universal pivot option.

Optical Options

- LSLH - Linear Spread Lens Horizontal Distribution
- LSLV - Linear Spread Lens Vertical Distribution



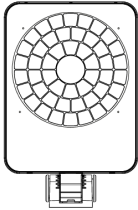
Factory installed, not adjustable on site. Not available for WFL, VWFL, NAS, WW, 2, 2BLS, 3, 3BLS, 4, 4BLS and 5S optics.

See 'Optical Accessories' section for field adjustable spread lens (LSLA).

	Beam angle with LSLH/LSLV
XN	5° x 60°
VN	7° x 60°
NS	9° x 60°
NF	16° x 65°
M	25° x 66°
FL	35° x 70°

LLF: 0.88*
*LLF may vary slightly by distribution chosen.

HL - Honeycomb Louver



Factory installed, not adjustable on site. HL not available for WFL, VWFL, NAS, WW, 2, 2BLS, 3, 3BLS, 4, 4BLS and 5S optics.

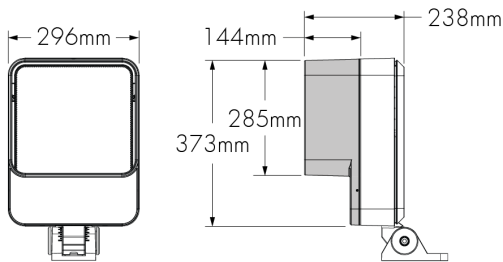
The addition of a honeycomb louvre will affect beam distribution. Consult factory for application support.

LLF: 0.90*
*LLF may vary slightly by distribution chosen.

Optical Accessories (Factory Installed, Order Separately)

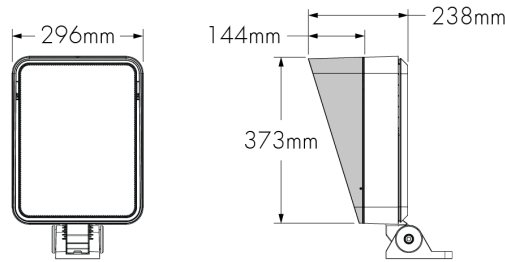
Installed optical accessories will affect the maximum pivot limits for each mounting option, consult factory for details.

SN - Snoot



LQGSN-FINISH-BK-OPTIONS (CRC)
Interior surface painted black. Please specify the exterior **FINISH** from the list of finishes in the fixture order code.

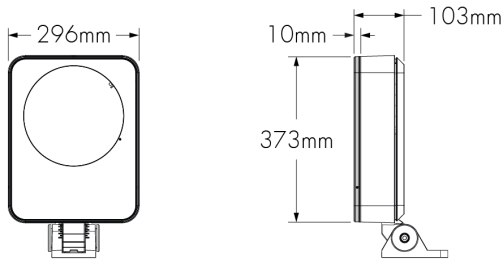
VS - Visor



LQGVS-FINISH-BK-OPTIONS (CRC)
Interior surface painted black. Please specify the exterior **FINISH** from the list of finishes in the fixture order code.

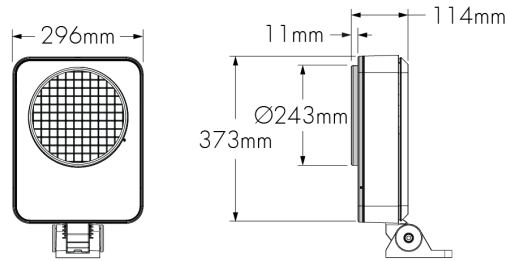
The Visor is not recommended for the WW optic.

LSLA - Linear Spread Lens Adjustable



LQGLSLA-FINISH-OPTIONS (CRC)
Please specify the exterior **FINISH** from the list of finishes in the fixture order code.

WG - Wire Guard



LQGWG-FINISH-OPTIONS (CRC)
Please specify the exterior **FINISH** from the list of finishes in the fixture order code.

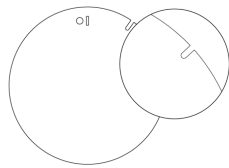
Accessory Combinations

	+	Snoot	Visor	Wire guard
Linear spread lens adjustable		YES	YES	NO
Wire guard		YES	YES	N/A

Accessory combinations must be ordered together on a single line. Ex: A snoot + wire guard combination order code is LQGSNWG-BK-BK. A maximum of two accessories can be combined per fixture.

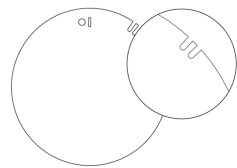
Diffuser Lenses (Intended for Mockup Purposes Only, Order Separately)

Diffuser Lens 1 (1 Notch)



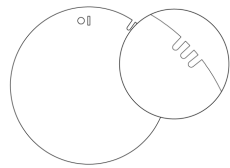
147713

Diffuser Lens 2 (2 Notches)



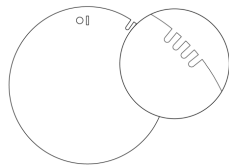
147714

Diffuser Lens 3 (3 Notches)



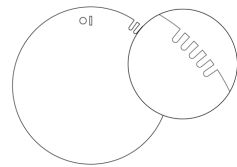
147715

Diffuser Lens 4 (4 Notches)



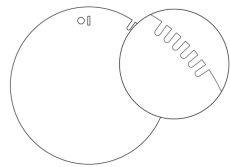
147716

Diffuser Lens 5 (5 Notches)



147717

Diffuser Lens 6 (6 Notches)



147718

Final Distribution Using Diffuser Lenses

	Final Distribution Using Diffuser Lens					
Original Distribution on Fixture	Diffuser Lens 1 1 Notch	Diffuser Lens 2 2 Notches	Diffuser Lens 3 3 Notches	Diffuser Lens 4 4 Notches	Diffuser Lens 5 5 Notches	Diffuser Lens 6 6 Notches
XN (4°/5°)	VN	NS	NF	M	FL	WFL
VN (6°)	NS					
NS (10°)						
NF (20°)						
M (30°)			FL	WFL		
FL (40°)						
WFL (60°)				VWFL		
VWFL (90°)						

Choose a diffuser lens based on the desired final beam distribution. Refer to the 6-digit part numbers above to order diffuser lenses individually. To order a complete set of 6 diffuser lenses in a bag, refer to the following item names: **LQS**: LQALK-S **LQM**: LQALK-M **LQL**: LQALK-L **LQG**: LQALK-G

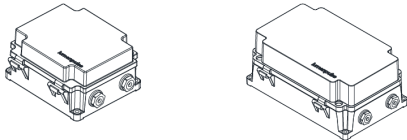
The diffuser lenses are intended for mockup purposes only. A lens holder is required to install a diffuser lens on the fixture, order separately using the following names: **LQS**: LQSLSLA-FINISH-LQALK **LQM**: LQMLSLA-FINISH-LQALK **LQL**: LQLLSLA-FINISH-LQALK **LQG**: LQGSLSLA-FINISH-LQALK

Please specify the exterior **FINISH** from the list of finishes in the fixture order code.

Refer to the Diffuser Lens Installation Instructions on the Lumenpulse website for information on installing the diffuser lenses.

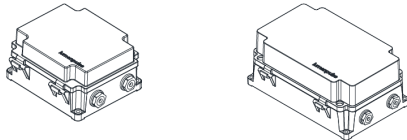
Control Boxes (Order Separately)

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



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

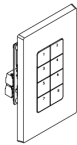
CBX-ENET - Ethernet Enabled (Daisy Chain or Star Configuration)



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

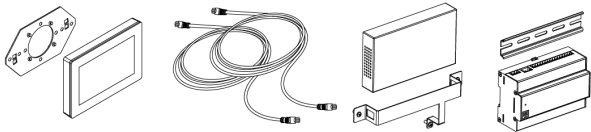
Control Systems (Order Separately)

Lumenscene



The Lumenscene, a user-friendly DMX/RDM lighting controller that includes eight preconfigured scene changes and can be programmed via RDM.

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.

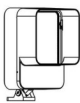
Diagnostic And Addressing Tools (Order Separately)

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.

EPA Guide

	FIXTURE			MOUNTING OPTIONS*			
	LQG	LQG with Snoot	LQG with Visor	WAM/WAMRJB			
							
EPA Front (m²)	0.124	0.147	0.147	N/A	N/A	N/A	N/A
EPA Side (m²)	0.032	0.094	0.094	0.012	0.027	0.041	0.055
EPA Front 45° (m²)	0.115	0.191	0.191	N/A	N/A	N/A	N/A

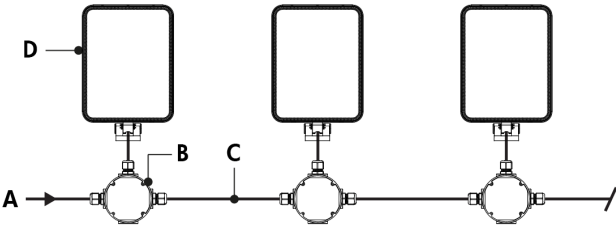
Typical Wiring Diagrams

Wiring Colour Code

CE Colour Code	USE
Yellow/Green	Ground
Brown	Line 100-277V AC
Blue	Line/Neutral
Black	1-10V / Data +
Grey	1-10V / Data -
Grey	Signal common (DMX/RDM only)

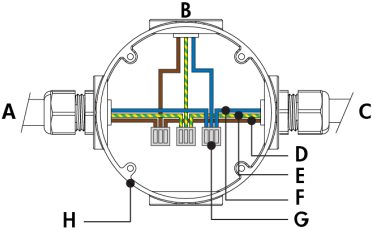
CE Class II Colour Code	USE
Brown	Line 100-277V AC
Blue	Line/Neutral
Black 1	Signal common (DMX/RDM only)
Black 2	1-10V / Data +
Grey	1-10V / Data -

On/Off Control (NO)



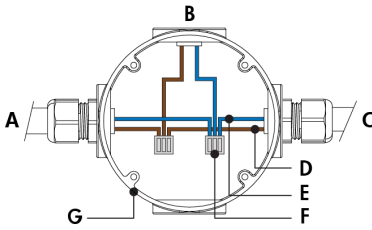
- A - Power input (100-277V, wiring by others)
- B - Junction box (by others)
- C - Power wiring (by others)
- D - Lumenquad Grande

On/Off Control (NO) - Wiring Detail - CE



- A - Power input or from previous fixture
- B - To fixture
- C - To next fixture
- D - Line
- E - Ground
- F - Line/Neutral
- G - Terminal connector (by others)
- H - Junction box (by others)

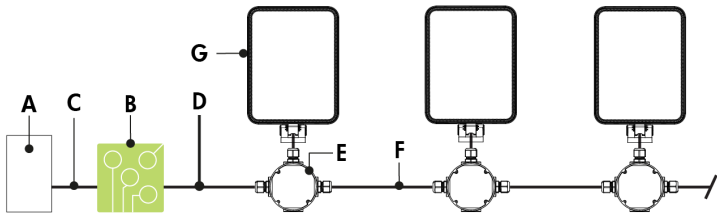
On/Off Control (NO) - Wiring Detail - CE Class II



- A - Power input or from previous fixture
- B - To fixture
- C - To next fixture
- D - Line
- E - Line/Neutral
- F - Terminal connector (by others)
- G - Junction box (by others)

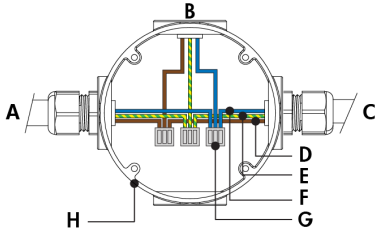
- Consult factory for specific applications and maximum fixture count/cable length recommendations. 100 watts per fixture.

Lumentalk (LT)



- A** - Dimmer/controller (order separately from Lumenpulse, or by others)
- B** - Lumentranslator 2 (LTL2-DIM, -DMX, -TRIAC, -DALI)
- C** - Data wiring (by others)
- D** - Power line (100-277V, wiring by others)
- E** - Junction box (by others)
- F** - Power wiring (by others)
- G** - Lumenquad Grande

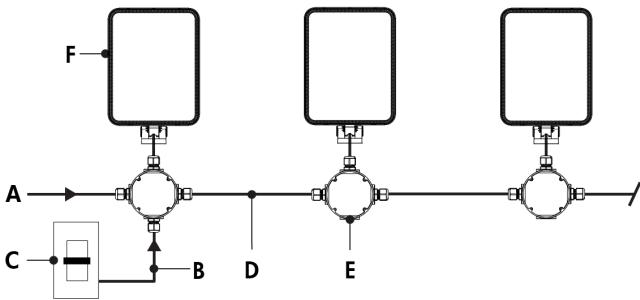
Lumentalk (LT) - Wiring Detail - CE



- A** - Power input (control over power line via Lumentalk system) or from previous fixture
- B** - To fixture
- C** - To next fixture
- D** - Line
- E** - Ground
- F** - Line/Neutral
- G** - Terminal connector (by others)
- H** - Junction box (by others)

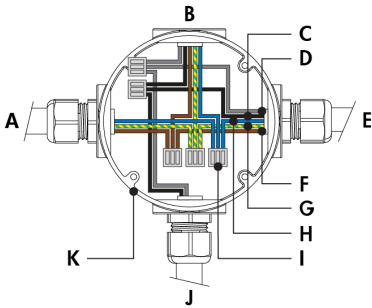
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- Lumentalk enabled fixtures must be commissioned using LumentalkID software and a LID-LT. Consult factory for details.
- Maximum of 1 transmitter (Lumentranslator or Lumenlink) per system. No third party fixtures allowed on the same circuit.
- 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.
- Consult factory for DALI Lumentalk applications.
- 1% minimum dimming value. 100 watts per fixture.

1-10V Dimming (DIM)



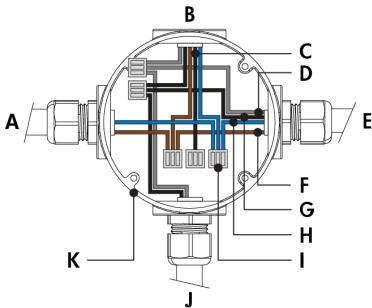
- A - Power input (100-277V, wiring by others)
- B - Data wiring (by others)
- C - Dimmer (by others)
- D - Power and data wiring (by others)
- E - Junction box (by others)
- F - Lumenquad Grande

1-10V Dimming (DIM) - Wiring Detail - CE



- A - Power input or from previous fixture
- B - To fixture
- C - 1-10 V +
- D - 1-10 V -
- E - To next fixture
- F - Line
- G - Ground
- H - Neutral
- I - Terminal connector (by others)
- J - From dimmer (by others)
- K - Junction box (by others)

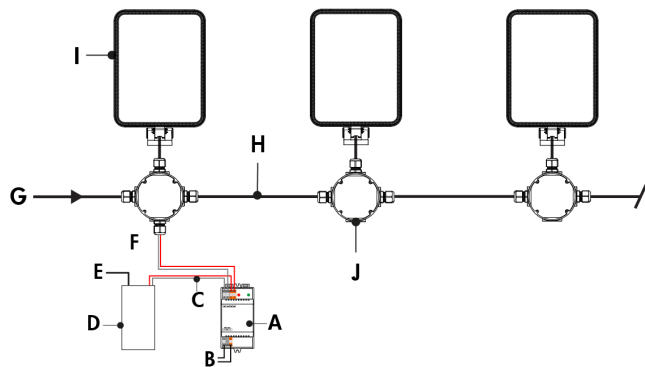
1-10V Dimming (DIM) - Wiring Detail - CE Class II



- A - Power input or from previous fixture
- B - To fixture
- C - Signal common (black 1)
- D - 1-10 V -
- E - To next fixture
- F - Line
- G - 1-10 V + (black 2)
- H - Neutral
- I - Terminal connector (by others)
- J - From dimmer (by others)
- K - Junction box (by others)

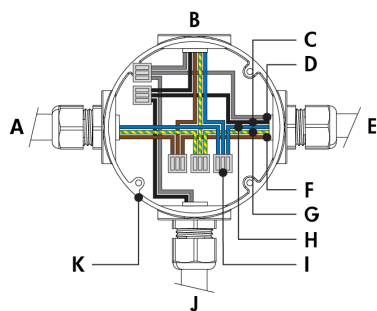
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- 1-10V mA ratings: passive dimmer (Current Sink): 3mA per fixture, active dimmer (Current Source): 0.5mA per fixture.
- 1% minimum dimming value. 100 watts per fixture.

DAI Dimming (DAI)



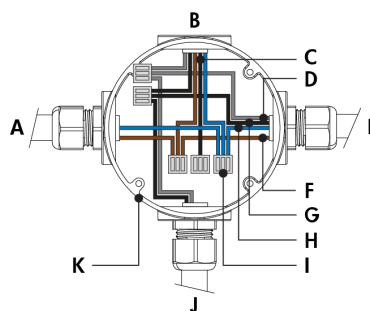
- A - DALI bus power supply
- B - Power input for DALI bus power supply (wiring by others)
- C - Data output to DALI controller (by others)
- D - DALI controller (by others)
- E - Power input for DALI controller (if required, wiring by others)
- F - Data output to fixture
- G - Power input (100-277V)
- H - Power and data wiring (by others)
- I - Junction box (by others)
- J - Lumenquad Grande

DALI Dimming (DALI) - Wiring Detail - CE



- A** - Power input or from previous fixture
- B** - To fixture
- C** - DA +
- D** - DA -
- E** - To next fixture
- F** - Line
- G** - Ground
- H** - Neutral
- I** - Terminal connector (by others)
- J** - From DALI controller (by others)
- K** - Junction box (by others)

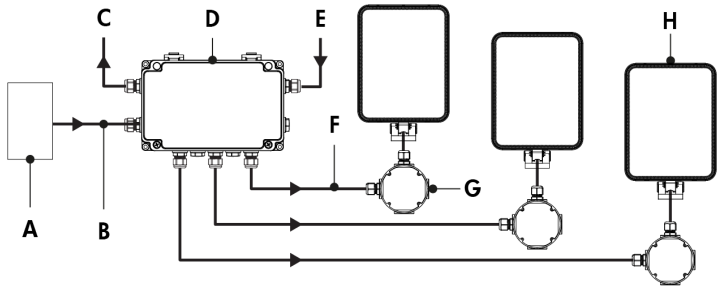
DAI Dimming (DAI) - Wiring Detail - CE Class II



- A** - Power input or from previous fixture
- B** - To fixture
- C** - Signal common (black 1)
- D** - DA -
- E** - To next fixture
- F** - Line
- G** - DA + (black 2)
- H** - Neutral
- I** - Terminal connector (by others)
- J** - From DALI controller (by others)
- K** - Junction box (by others)

- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- Maximum of 64 DALI fixtures per DALI loop.
- 1% minimum dimming value. 100 watts per fixture.

Star Layout (DMX/RDM)

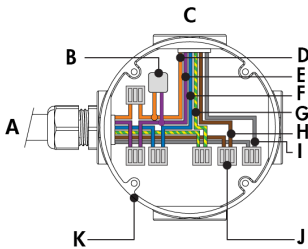


- A - DMX/RDM controller (order separately from Lumenpulse, or by others)
- B - Data input (Belden 9841 or equivalent, by others)
- C - Data output to next CBX (optional, not isolated/not boosted)
- D - CBX-ST
- E - Power input (100-277V, wiring by others)
- F - Power and data output to fixture (wiring by others)
- G - Junction box (by others)
- H - Lumenquad Grande

Maximum Fixture Count

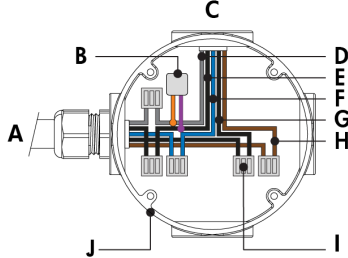
Maximum number of fixtures per run (Based on 1.6A maximum, 1,5mm ² cable, fixtures spaced 3m on center, first fixture 1.5m from CBX)				
Configuration/Voltage	120V	208V	240V	277V
LQG	10	16	18	21

Star Layout (DMX/RDM) - Wiring Detail - CE



- A - From CBX or previous fixture
- B - Lumenterminator*
- C - To fixture
- D - Data -
- E - Data +
- F - Neutral
- G - Ground
- H - Line
- I - Signal common
- J - Terminal connector (by others)
- K - Junction box (by others)

Star Layout (DMX/RDM) - Wiring Detail - CE Class II

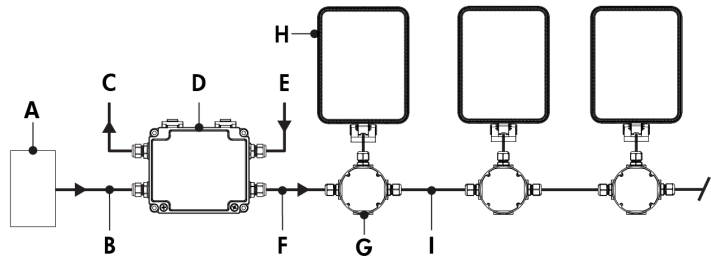


- A - From CBX or previous fixture
- B - Lumenterminator*
- C - To fixture
- D - Data -
- E - Signal common (black 1)
- F - Neutral
- G - Data + (black 2)
- H - Line
- I - Terminal connector (by others)
- J - Junction box (by others)

- Refer to CBX installation instructions for additional wiring details.
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- Run length calculations are based on a voltage drop of no more than 25V.
- The DMX/RDM protocol states a maximum of 32 DMX/RDM enabled fixtures on any single run.
- Maximum of 4 DMX/RDM repeaters/CBX cascading in line.
- Maximum of 6 outputs per CBX-ST.
- Each fixture requires 1 DMX address.
- 1% minimum dimming value.
- 100 watts per fixture.

*DMX terminator is required at the end of each run to maintain data integrity. (6x) DMX lumenterminators included per CBX-ST. See installation instructions for details.

Daisy Chain Layout (DMX/RDM)

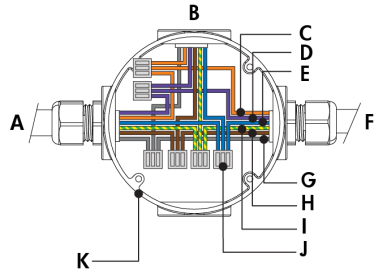


- A - DMX/RDM controller (order separately from Lumenpulse, or by others)
- B - Data input (Belden 9841 or equivalent, by others)
- C - Data output to next CBX (optional, not isolated/not boosted)
- D - CBX-DS
- E - Power input (100-347V, wiring by others)
- F - Power and data output to fixture (wiring by others)
- G - Junction box (by others)
- H - Lumenquad Grande
- I - Power and data wiring (by others)

Maximum Fixture Count

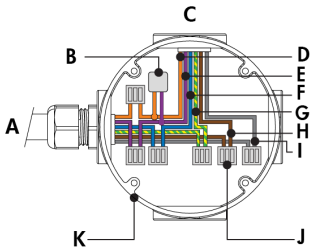
Maximum number of fixtures per run (Based on 1.6A maximum, 1,5mm ² cable, fixtures spaced 3m on center, first fixture 1.5m from CBX)				
Configuration/Voltage	120V	208V	240V	277V
LQG	10	16	18	21

Daisy Chain Layout (DMX/RDM) - Wiring Detail (First Or Middle Of Run) - CE



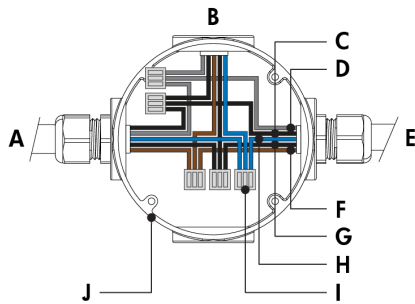
- A - From CBX or previous fixture
- B - To fixture
- C - Data -
- D - Data +
- E - Neutral
- F - To next fixture
- G - Signal common
- H - Line
- I - Ground
- J - Terminal connector (by others)
- K - Junction box (by others)

Daisy Chain Layout (DMX/RDM) - Wiring Detail (End Of Run) - CE



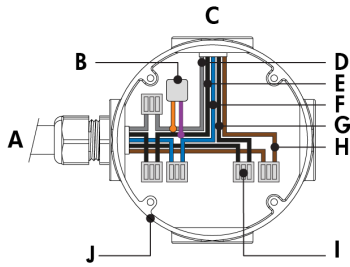
- A - From CBX or previous fixture
- B - Lumenterminator*
- C - To fixture
- D - Data -
- E - Data +
- F - Neutral
- G - Ground
- H - Line
- I - Signal common
- J - Terminal connector (by others)
- K - Junction box (by others)

Daisy Chain Layout (DMX/RDM) - Wiring Detail (First or Middle of Run) - CE Class II



- A - From CBX or previous fixture
- B - To fixture
- C - Signal common (black 1)
- D - Data -
- E - To next fixture
- F - Line
- G - Data + (black 2)
- H - Neutral
- I - Terminal connector (by others)
- J - Junction box (by others)

Daisy Chain Layout (DMX/RDM) - Wiring Detail (End of Run) - CE Class II



- A - From CBX or previous fixture
- B - Lumenterminator*
- C - To fixture
- D - Data -
- E - Signal common (black 1)
- F - Neutral
- G - Data + (black 2)
- H - Line
- I - Terminal connector (by others)
- J - Junction box (by others)

- Refer to CBX installation instructions for additional wiring details.
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- Run length calculations are based on a voltage drop of no more than 25V.
- The DMX/RDM protocol states a maximum of 32 DMX/RDM enabled fixtures on any single run.
- Maximum of 4 DMX/RDM repeaters/CBX cascading in line.
- Maximum of 1 output per CBX-DS.
- Maximum of 0.9 m cable length between fixture and next junction box for daisy chain layout.
- Each fixture requires 1 DMX address.
- 1% minimum dimming value.
- 100 watts per fixture.

* DMX terminator is required at the end of each run to maintain data integrity. (2x) DMX lumenterminators included per CBX-DS. See installation instructions for details.

How to Order

Housing	Voltage	Colour and Colour Temperature ⁽¹⁾	Optic1	Optic2	Optical Option ⁽⁷⁾
LQG Lumenquad Grande	100 100 Volts	22K 2200K	XN Extra Narrow 3° ⁽⁴⁾	XN Extra Narrow 3° ⁽⁴⁾	LSLH Linear Spread Lens Horizontal Distribution ⁽⁸⁾ LSLV Linear Spread Lens Vertical Distribution ⁽⁸⁾ HL Honeycomb Louver ⁽⁸⁾
	120 120 Volts	27K 2700K	VN Very Narrow 6° ⁽⁴⁾	VN Very Narrow 6° ⁽⁴⁾	
	208 208 Volts	30K 3000K	NS Narrow Spot 10° ⁽⁴⁾	NS Narrow Spot 10° ⁽⁴⁾	
	220 220 Volts	35K 3500K	NF Narrow Flood 20° ⁽⁴⁾	NF Narrow Flood 20° ⁽⁴⁾	
	240 240 Volts	40K 4000K	M Medium 30° ⁽⁴⁾	M Medium 30° ⁽⁴⁾	
	277 277 Volts	57K 5700K	FL Flood 40° ⁽⁴⁾	FL Flood 40° ⁽⁴⁾	
		RD Red ^{(2) (3)}	WFL Wide Flood 60° ^{(4) (5)}	WFL Wide Flood 60° ^{(4) (5)}	
		GR Green ^{(2) (3)}	VWFL Very Wide Flood 90° ^{(4) (5) (6)}	VWFL Very Wide Flood 90° ^{(4) (5) (6)}	
		BL Blue ^{(2) (3)}	NAS Narrow Asymmetric ⁽⁴⁾	NAS Narrow Asymmetric ⁽⁴⁾	
			WW Asymmetric Wallwash ⁽⁴⁾	WW Asymmetric Wallwash ⁽⁴⁾	
			2 Type II (ME2-ME6, CE) ^{(4) (5)}	2 Type II (ME2-ME6, CE) ^{(4) (5)}	
			2BLS Type II backlight shield (ME2-ME6, CE) ^{(4) (5)}	2BLS Type II backlight shield (ME2-ME6, CE) ^{(4) (5)}	
			3 Type III (ME2-ME6, CE) ^{(4) (5)}	3 Type III (ME2-ME6, CE) ^{(4) (5)}	

Notes:

1. Consult factory for availability of static Royal Blue, 6500K and 90+ CRI.

2. Static colours made to order 8-10 weeks.

3. Consult factory for availability with type 2, 2BLS, 3, 3BLS, 4, 4BLS and 5S distributions.

4. Factory installed, not interchangeable on site.
5. Cannot be combined with other optics.

6. Consult factory for photometric performance.

7. Optical options are factory installed and cannot be changed in the field.

8. Not available for WFL, VWFL, NAS, WW, 2, 2BLS, 3, 3BLS, 4, 4BLS and 5S optics.

How to Order

Mounting Options ⁽⁹⁾ ⁽¹⁰⁾ ⁽¹¹⁾	Finish	Control	Option	Certification	Cable Length ⁽¹⁸⁾ ⁽²³⁾ ⁽²⁵⁾
SM Surface Mount	BK Black Sandtex®	NO On/Off Control	CRC Corrosion-Resistant Coating ⁽¹⁹⁾ _{⁽²⁰⁾}	UL UL Compliant ⁽²¹⁾	1M 1 m ⁽¹⁸⁾ ⁽²⁴⁾
WM Wall Mount Bracket with Decorative Cover	BRZ Bronze Sandtex®	LT Lumentalk ⁽¹⁶⁾		CE CE Compliant	5M 5 m
WMNC Wall Mount Bracket without Decorative Cover	SI Silver Sandtex®	DIM 1-10V Dimming		CEII CE Compliant Class II Double Insulated ⁽²²⁾	10M 10 m
WAM6 Wall Arm Mount 152 mm with Decorative Cover	WH Smooth White	DALI DALI Dimming			15M 15 m
WAM6NC Wall Arm Mount 152 mm without Decorative Cover	BKTX Textured Black	DMX/RDM DMX/RDM Enabled ⁽¹⁷⁾ ⁽¹⁸⁾			20M 20 m
WAM12 Wall Arm Mount 305 mm with Decorative Cover	BRZTX Textured Bronze Non-Metallic				30M 30 m
WAM12NC Wall Arm Mount 305 mm without Decorative Cover	GRATX Textured Medium Grey				
WAM18 Wall Arm Mount 457 mm with Decorative Cover	GRNTX Textured Green				
WAM18NC Wall Arm Mount 457 mm without Decorative Cover	WHTX Textured White				
WAM24 Wall Arm Mount 610 mm with Decorative Cover ⁽¹²⁾	CC Custom Colour & Finish ⁽¹³⁾ ⁽¹⁴⁾ _{⁽¹⁵⁾}				
WAM24NC Wall Arm Mount 610 mm without Decorative Cover ⁽¹²⁾					
WMRJB Recessed JBOX Wall Mount with Decorative Cover					
WMRJBNC Recessed JBOX Wall Mount without Decorative Cover					
WAMRJB6 Recessed JBOX Wall Arm Mount 152 mm with Decorative Cover					
WAMRJB6NC Recessed JBOX Wall Arm Mount 152 mm without Decorative Cover					
WAMRJB12 Recessed JBOX Wall Arm Mount 305 mm with Decorative Cover					
WAMRJB12NC Recessed JBOX Wall Arm Mount 305 mm without Decorative Cover					
WAMRJB18 Recessed JBOX Wall Arm Mount 457 mm with Decorative Cover					
WAMRJB18NC Recessed JBOX Wall Arm Mount 457 mm without Decorative Cover					
WAMRJB24 Recessed JBOX Wall Arm Mount 610 mm with Decorative Cover					
WAMRJB24NC Recessed JBOX Wall Arm Mount 610 mm without Decorative Cover					
RPM4/1 Round Pole Mount 102 mm					
RPM4.5/1 Round Pole Mount 114 mm					
RPM5/1 Round Pole Mount 127 mm					
RPM4/2 Round Pole Mount 102 mm for two fixtures					
RPM4.5/2 Round Pole Mount 114 mm for two fixtures					

RPM5/2 Round Pole Mount 127 mm for two fixtures					
TN2 Tenon Adapter for 60 mm O.D. Pole					
TN4 Tenon Adapter for 102 mm O.D. Pole					
SK Stake Mount					

Notes:

9. All mounting options (except for SM mounting) are interchangeable. Consult factory for details.

10. All mounting options (except for SM mounting) are interchangeable. Consult factory for details.

11. All mounting options have a pivot adjustable in 6° increments. consult factory for universal pivot option.

12. A cable length of 3 m or greater must be specified.

13. 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.

14. Setup charges apply for RAL colours. Consult factory for details.

15. Longer lead times can be expected for custom RAL colour finishes.

16. A Lumentranslator 2 (LTL2) and LumentalkID (LIDLT) must be specified for Lumentalk applications. Consult Lumentranslator 2 and Lumentalk pages and specification sheets for details.
17. A control box (CBX) and LumenID (LID) must be specified.

18. Maximum of 1 m cable length for daisy chain DMX applications with CBX-DS.

19. Use only when exposed to salt spray. This option is not required for normal outdoor exposure.

20. Setup charges apply. Consult factory for details.

21. Consult North American specification sheets and installation instructions for UL wiring information.

22. Available for 220 or 240 volts only.

23. Not applicable to WMRJB, WMRJBNC and WAMRJB 152 mm to 610 mm mounting options (with or without decorative cover). Cable lengths for these mounting options are determined by the length of the mounting bracket.

24. Not available with WAM24 or WAM24NC mounting options.

25. UL fixtures specified with a Smooth white finish and a SM, WM, WMNC, or WAM 152 mm to 610 mm mounting option (with or without decorative cover) are provided with a white cable. A black cable is provided for all other fixture configurations.