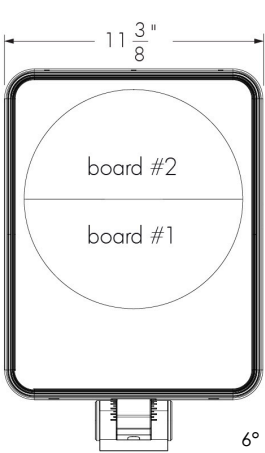


Project Name _____

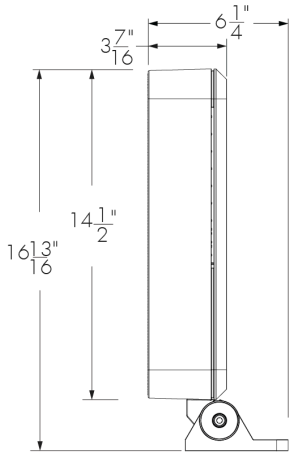
Qty _____

Type _____

Catalog / Part Number _____



Front View
6° Increment Pivot



Side View

Photometric Summary (Discrete RGBW40K)

Symmetric		
	Delivered output (lm)	Intensity (peak cd)
XN (3°)	4,669	430,170
VN (6°)	5,079	351,460
NS (10°)	5,049	189,556
NF (20°)	4,425	37,332
M (30°)	4,483	18,931
FL (40°)	4,465	12,309
WFL (60°)	4,599	4,775
Asymmetric		
NAS	3,829	63,368 (@2.5°)
WW	4,303	18,755 (@5°)

1. Based on RGBW40K full output.
2. Photometric performance is measured in compliance with IESNA LM-79-24.
3. Refer to the [Lumenquad Color Changing Photometric Guide](#) on Lumenpulse website for information on other color temperatures.

Photometric Summary (Opticolor+ MRGBWP)

Symmetric		
	Delivered output (lm)	Intensity (peak cd)
NS (10°)	4,891	86,649
NF (20°)	4,375	28,226
M (30°)	4,255	15,349
FL (40°)	4,405	11,899
WFL (60°)	4,233	4,330
VWFL(90°)	3,903	1,988

1. Based on MRGBWP full output, white set to 3000K.
2. Photometric performance is measured in compliance with IESNA LM-79-24.
3. Refer to the [Lumenquad Color Changing Photometric Guide](#) on Lumenpulse website for information on other color temperatures.

Description

The Lumenquad Grande Color Changing has a sleek 3 in profile with no visible wiring or hardware and seamlessly integrates with any architecture while also applying dynamic colour. Lumenpulse's LED boards possess an optimised candela and lumens recipe for both Narrow and Wide optics. The Lumenquad Grande Color Changing is the epitome of versatility and can be configured with numerous optical, color mixing choices, mounting options, accessories, controls, and multiple standard finishes.

Features

Colors and Color Temperature (Discrete)	RGBA: Discrete Red, Green Blue, Amber
	RGBW30K: Discrete Red, Green, Blue, White 30K
	RGBW40K: Discrete Red, Green, Blue, White 40K
Colors and Color Temperature (Opticolor™)	RGB: Discrete Red, Green, Blue
	MRGBA: Opticolor™ Mix-at-Source Red, Green, Blue, PC Amber
	MRGBWP: Opticolor+® Mix-at-Source Red, Green, Blue Plus White Settable Range 24K to 65K
Colors and Color Temperature (Opticolor+®)	MRGBWP Typical Color Rendering: 2700K-5000K: 90+ CRI 2500K-6500K: 80+ CRI
	MRGROYWP: Opticolor+® Mix-at-Source Red, Green, Royal Blue Plus White Settable Range 24K to 65K

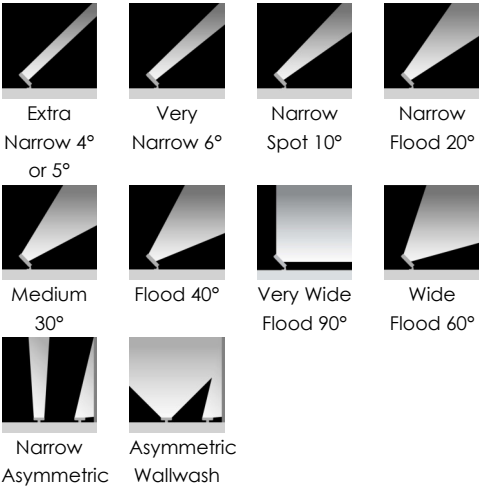
Photometric Summary (Opticolor MRGBA)

Symmetric

	Delivered output (lm)	Intensity (peak cd)
NS (10°)	4,754	84,223
NF (20°)	4,253	27,435
M (30°)	4,136	14,919
FL (40°)	4,282	11,566
WFL (60°)	4,114	4,209
VWFL(90°)	3,794	1,932

1. Based on MRGBA full output.
2. Photometric performance is measured in compliance with IESNA LM-79-24.
3. Refer to the [Lumenquad Color Changing Photometric Guide](#) on Lumenpulse website for information on other color temperatures.

Optic



Optics (Nominal Distribution)	XN: XN (3° or 5°) VN: VN (6°) NS: NS (10°) NF: NF (20°) M: M (30°) FL: FL (40°) WFL: WFL (60°) VWFL: VWFL (90°) NAS: NAS (Narrow Asymmetric) WW: WW (Asymmetric Wallwash)
Mounting Options	SM: Surface Mount WM: Wall Mount Bracket with Decorative Cover WMNC: Wall Mount Bracket without Decorative Cover RJBOX: Recessed JBOX Wall Mount with Decorative Cover RJBOXNC: Recessed JBOX Wall Mount Without Decorative Cover PM: Pole Mount TN: Tenon Mount SK: Stake Mount NOTE: All mounting options have a pivot adjustable in 6° increments, consult factory for universal pivot option.
Optical Options (Factory Installed)	LSLH: Linear Spread Lens Horizontal Distribution LSLV: Linear Spread Lens Vertical Distribution HL: Honeycomb Louver
Option	CRC: Corrosion-Resistant Coating for Hostile Environments
Power Consumption	100 W
Warranty	5-year limited warranty
Performance	
Maximum Delivered Output (Discrete)	5,143 lm (RGB full output, VN 6°, DMX/RDM) 4,977 lm (RGBW30K full output, VN 6°, DMX/RDM) 5,079 lm (RGBW40K full output, VN 6°, DMX/RDM) 4,149 lm (RGBA full output, VN 6°, DMX/RDM)
Maximum Delivered Output (Opticolor)	4,754 lm (MRGBA full output, NS 10°, DMX/RDM)
Maximum Delivered Output (Opticolor+)	4,891 lm (MRGBWP full output, NS 10°, DMX/RDM)
Maximum Delivered Intensity (Discrete)	357,498 cd at nadir (RGB full output, XN 5°, DMX/RDM) 421,567 cd at nadir (RGBW30K full output, XN 3°, DMX/RDM) 430,170 cd at nadir (RGBW40K full output, XN 3°, DMX/RDM) 351,449 cd at nadir (RGBA full output, XN 3°, DMX/RDM)
Maximum Delivered Intensity (Opticolor)	84,223 cd at nadir (MRGBA full output, NS 10°, DMX/RDM)
Maximum Delivered Intensity (Opticolor+)	86,649 cd at nadir (RGBW30K full output, XN 3°, DMX/RDM)
Illuminance at Distance (Discrete)	Minimum 1 fc at 600 ft (RGB full output, XN 5°, DMX/RDM) Minimum 1 fc at 652 ft (RGBW30K full output, XN 3°, DMX/RDM) Minimum 1 fc at 659 ft (RGBW40K full output, XN 3°, DMX/RDM) Minimum 1 fc at 595 ft (RGBA full output, XN 3°, DMX/RDM)
Illuminance at Distance (Opticolor)	Minimum 1 fc at 290 ft (MRGBA full output, NS 10°, DMX/RDM)

Color and Color Temperature



opticolor+®

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



opticolor™

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



RGBA

Discrete Red,
Green Blue,
Amber



RGBW
30K

Discrete Red,
Green, Blue,
White 30K



RGBW
40K

Discrete Red,
Green, Blue,
White 40K



RGB

Discrete Red,
Green, Blue



opticolor+®

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

Control

 DMX/RDM



Ratings

IP66 IK10

Lumencycle™ Program



Certifications







Illuminance at Distance (Opticolor+)	Minimum 1 fc at 294 ft (MRGBWP full output, NS 10°, DMX/RDM)
Lumen Maintenance	L70 (15K) > 90,000 hrs Ta 25 °C (TM-21 reported) L70 > 150,000 hrs Ta 25 °C (projected)* L90 (15K) = 55,400 hrs Ta 25 °C (TM-21 reported) L90 = 55,400 hrs Ta 25 °C (projected)* *Estimated based on in-situ case temperature and LM-80 report
Physical	
Housing Material	Low copper content high pressure die-cast aluminum
Lens Material	Clear tempered glass
Hardware Material	Stainless steel
Gasket Material	Silicone
Surface Finish	Electrostatically applied polyester powder coat
Weight	23 lbs
EPA	Front = 1.34 ft², Side = 0.35 ft², Front 45° = 1.23 ft²
Electrical and Control	
Voltage	100 to 277 volts
Fixture Cable	Power and data in one cable
Conductors	3C #16-3 (LT control) 6C #14-3/ #24-3 (DMX/RDM control)
Control	Lumentalk, DMX/RDM Enabled, DALI 2 T8 Enabled Dimming 0.1%
Resolution (DMX/RDM)	Per board or fixture (configured with LumenID V3 software), 8-bit or 16-bit, 3 channels (RGB) or 4 channels (RGBW30K, RGBW40K, RGBA, MRGBA, MRGBWP and MRGROYWP)
Environmental	
Storage Temperature	-40 °F to 185 °F (device must reach start-up temperature value before operating)
Start-up Temperature	-13 °F to 122 °F
Operating Temperature	-40 °F to 122 °F
Ingress Protection Rating	IP66 Wet location rated
Impact Resistance Rating	IK10
Application Wind Speed	Luminaires were designed based on AASHTO 2018 (50 ft, 150 mph) standard to ensure highest quality and safety. Installation should be validated by a local project engineer to ensure the luminaires are suitable for the wind speed and exposure of the specific application. Consult factory for zones with higher wind speeds or higher mounting heights.
Accessories (Order Separately)	
Optical Accessories	Snoot, Visor, 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	Pharos® Designer Lighting Control Kit (PHAROS), Pharos® Express Control Kit (EXPERT)
Diagnostic and Addressing Tools	LumenID (LID)

Operation and Maintenance

Lumencycle™ Program	Lumencycle-enabled fixtures are designed for serviceability and circular lifecycle management. Lumenpulse will provide factory refurbishment programs, allowing luminaires to be restored and redeployed rather than replaced.
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Important

Virtual Patent Marking Notice

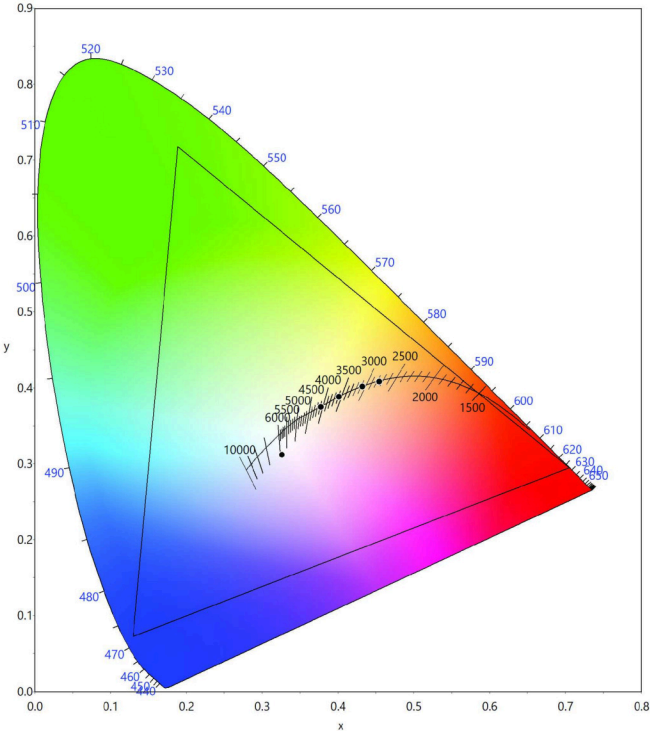
This website (<https://www.lmpg.com/patents-trademarks>) is provided to satisfy the virtual patent marking provisions of applicable jurisdictions. Some products listed may be covered by additional patents not referenced here.

Lumencycle™ Program

Lumencycle is a comprehensive program designed to maximize the life of Lumenpulse fixtures while preserving their performance, quality, and design intent. Built around three pillars—Repair, Restore, and Recycle—the program provides clear pathways to maintain existing installations, restore fixtures, and responsibly manage them at end of life. For full program details, visit <https://www.lumenpulse.com/lumencycle>.

Color Point Information

MRGBWP



Dominant Wavelength and Chromaticity

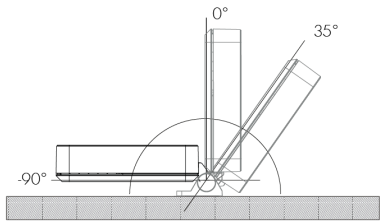
	Dominant Wavelength	Chromaticity	
		Cx	Cy
Red	~628nm	0.7050	0.2949
Green	~531nm	0.1885	0.7178
Blue	~471nm	0.1298	0.0726
Amber	~591nm	0.5755	0.4126

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

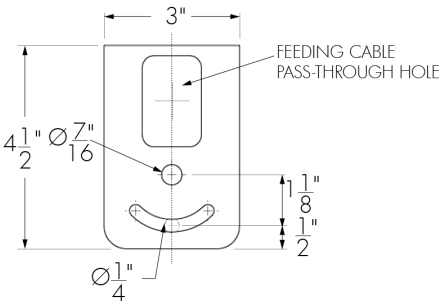
Values measured from Steady State Full on Optidrive @ 25°C ambient conditions.

Mounting Options

SM - Surface Mount

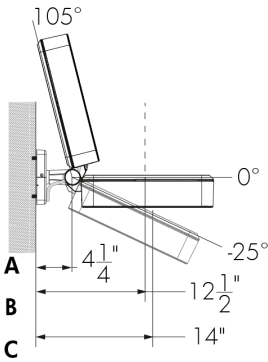


SM - Mounting Hole Pattern

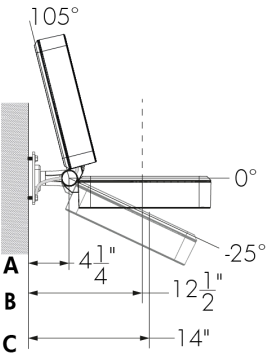


The SM mounting option cannot be interchanged with any other mounting option. All others mountings are interchangeable. Consult factory for details.

WM - Wall Mount Bracket with Decorative Cover

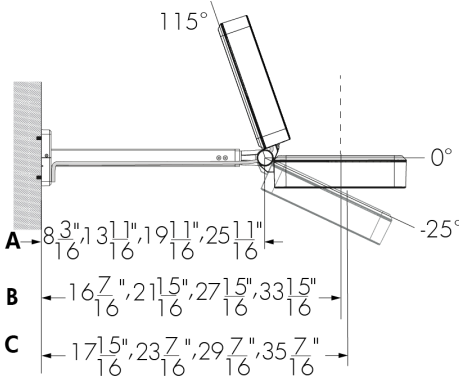


WMNC - Wall Mount Bracket Without Decorative Cover

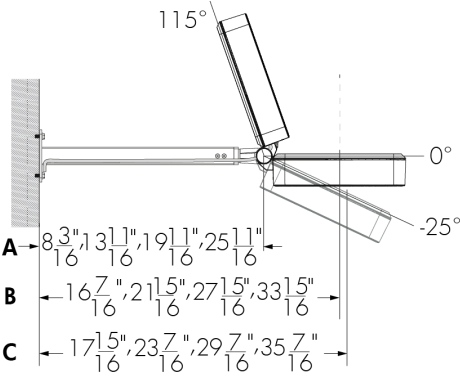


- A - Dimension from wall to pivot.
- B - Dimension from wall to the geometric center of the fixture.
- C - Dimension from wall to the center of the board.

WAM - Wall Mount Bracket With Decorative Cover
6 in, 12 in, 18 in or 24 in



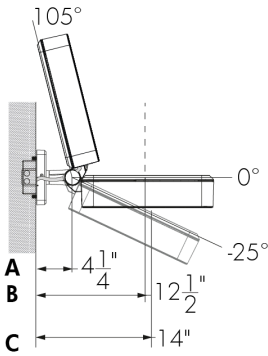
WAMNC - Wall Mount Bracket Without Decorative Cover
Cover 6 in, 12 in, 18 in or 24 in



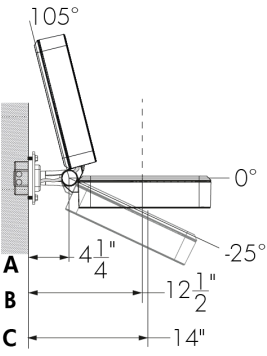
A cable length of 10 ft or greater must be specified for the WAM24 mounting option.

A cable length of 10 ft or greater must be specified for the WAM24 mounting option.

WMRJB - Recessed JBOX Wall Mount With Decorative Cover



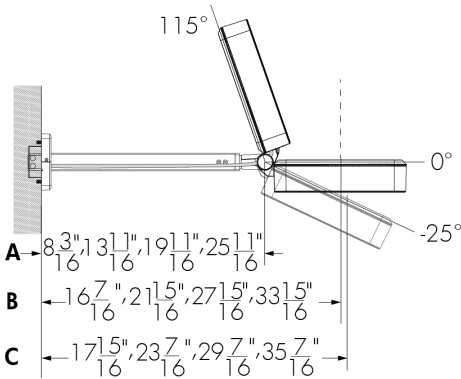
WMRJNC - Recessed JBOX Wall Mount Without Decorative Cover



Fixture cable length is determined by Lumenpulse.

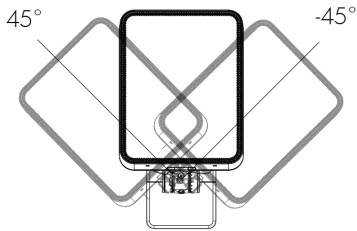
Fixture cable length is determined by Lumenpulse.

WAMRJB - Recessed JBOX Wall Arm Mount With
Decorative Cover 6 in, 12 in, 18 in or 24 in

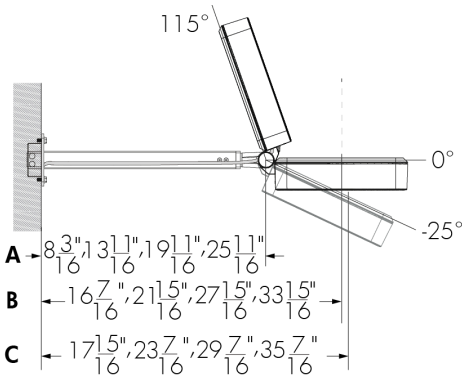


Fixture cable length is determined by Lumenpulse.

Wall Mount Horizontal Pivot Limits

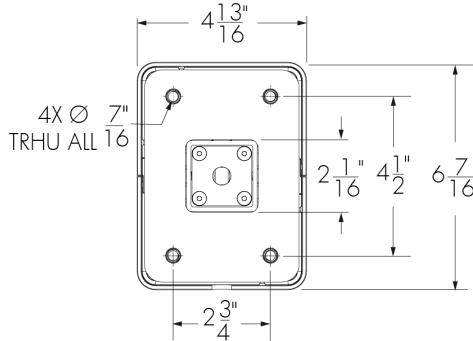


WAMRJBNC - Recessed JBOX Wall Arm Mount
Without Decorative Cover 6 in, 12 in, 18 in or 24 in



Fixture cable length is determined by Lumenpulse.

WM, WAM, WMRJB and WAMRJB - Mounting Hole
Pattern

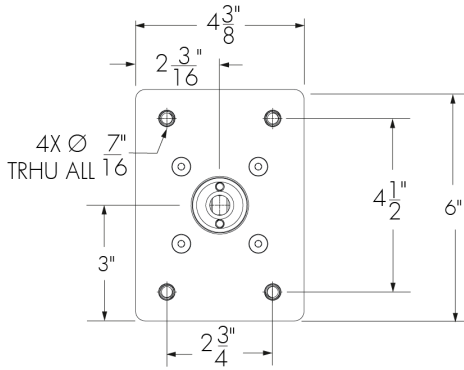


A - Dimension from wall to pivot.

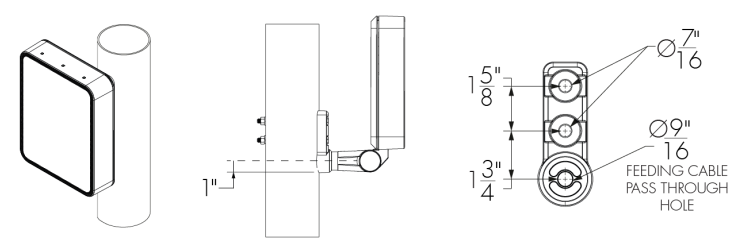
B - Dimension from wall to the geometric center of the fixture.

C - Dimension from wall to the center of the board.

WMNC, WAMNC, WMRJBNC and WAMRJBNC -
Mounting Hole Pattern



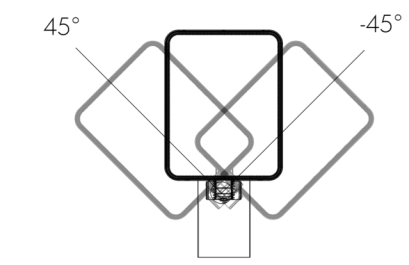
RPM4/1, RPM4.5/1, RPM5/1 - Round Pole Mount



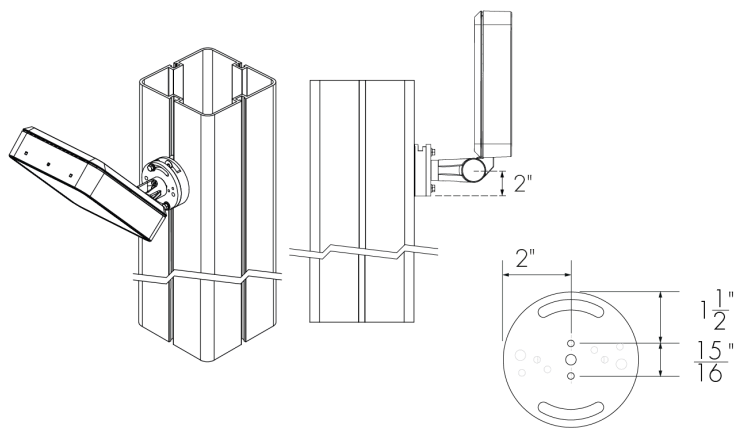
	RPM4/1	RPM4.5/1	RPM5/1
For pole Ø	4" ± 1/16	4.5" ± 1/16	5" ± 1/16
Bolt length	5 1/4	5 3/4	6 1/4

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

Round Pole Mount Horizontal Pivot Limits



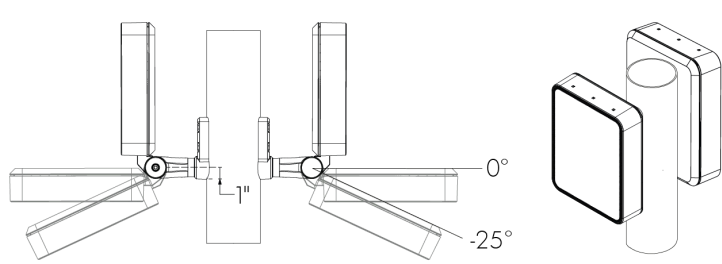
PLTU - Universal Yoke



Refer to the Universal Yoke specification sheet and Pole installation instructions for more details. Square Lumentech profile shown.

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.

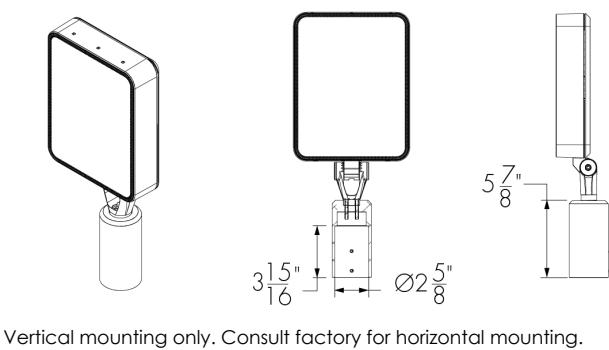
RPM4/2, RPM4.5/2, RPM5/2 - Round Pole Mount For Two Fixtures



	RPM4/2	RPM4.5/2	RPM5/2
For pole Ø	4" ± 1/16	4.5" ± 1/16	5" ± 1/16
Bolt length	5 3/4	6 1/4	7"

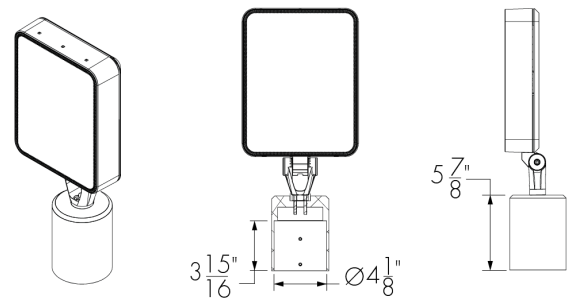
Consult factory for other pole diameters.
Hardware included with accessory.

TN2 - Tenon Adapter For 2 3/8 in O.D. Pole



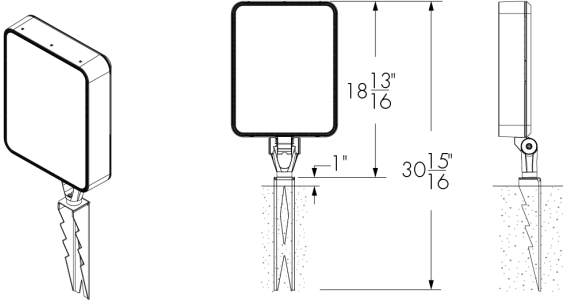
Vertical mounting only. Consult factory for horizontal mounting.

TN4 - Tenon Adapter For 4 in O.D. Pole



Vertical mounting only. Consult factory for horizontal mounting.

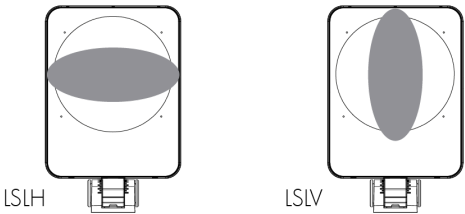
SK - Stake Mount



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 – Discrete

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

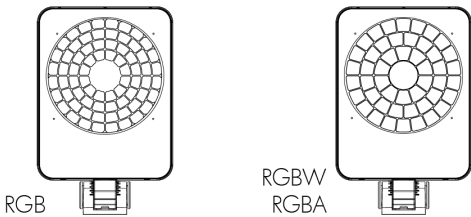


	Beam angle with LSLH/LSLV
XN	5° x 60°
VN	7° x 60°
NS	9° x 60°
NF	16° x 65°
M	25° x 66°
FL	35° x 70°

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

Factory installed, not adjustable on site. LSLH, LSLV not available for WFL, VWFL, NAS and WW optics.
See 'Optical Accessories' section for field adjustable spread lens (LSLA).

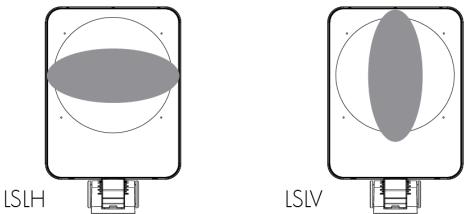
HL - Honeycomb Louver



Factory installed, not adjustable on site. HL not available for WFL, VWFL, NAS and WW optics.
The addition of a honeycomb louver will affect beam distribution. Consult factory for application support.

Optical Options - Opticolor™ and Opticolor+

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



Optic installed in fixture	Beam angle with LSLH/LSLV
NS	11° x 61°
NF	19° x 66°
M	26° x 70°
FL	31° x 71°

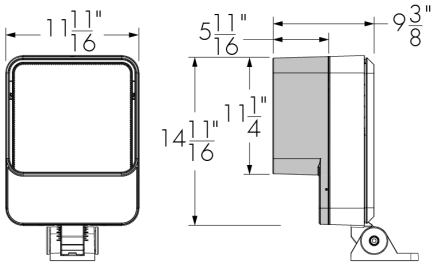
LLF: 0.88*
*LLF may vary slightly by distribution chosen.

Factory installed, not adjustable on site. LSLH, LSLV not available for WFL, VWFL, NAS and WW optics.
See 'Optical Accessories' section for field adjustable spread lens (LSLA).

Optical Accessories (Factory Installed, Order Separately)

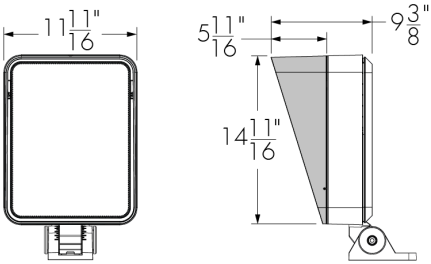
Installed optical accessories will affect the maximum pivot limits for each mounting option, consult factory for details.

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.

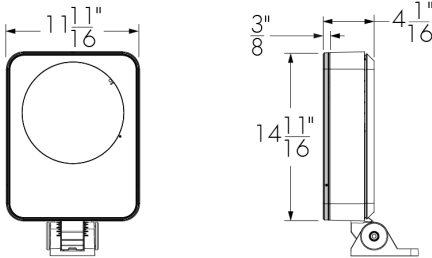
VS - Visor



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

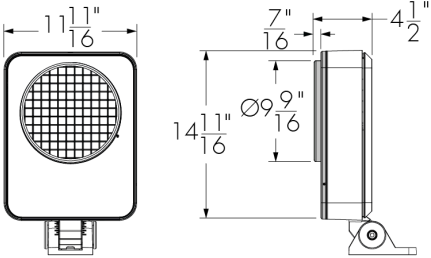
The Visor is not recommended for the WW optic.

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.

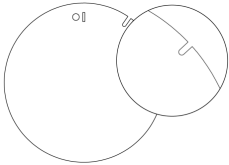
Accessory Combinations

+	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.

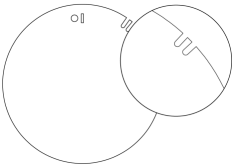
Diffuser Lenses (Intended for Mockup Purposes Only, Order Separately)

Diffuser Lens 1 (1 Notch)



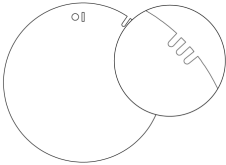
147713

Diffuser Lens 2 (2 Notches)



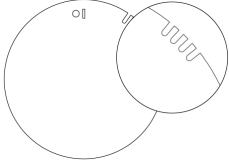
147714

Diffuser Lens 3 (3 Notches)



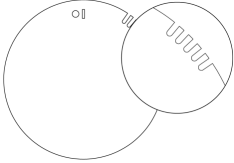
147715

Diffuser Lens 4 (4 Notches)



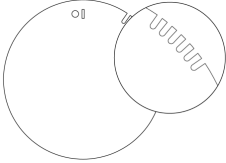
147716

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°)						

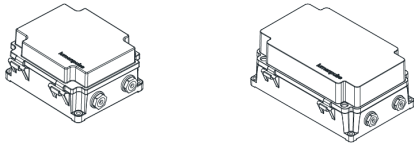
Choose a diffuser lens based on the desired final beam distribution. Refer to the 6-digit part numbers above to order diffuser lenses individually. To order a complete set of 6 diffuser lenses in a bag, refer to the following item names: **LQS**: LQALK-S **LQM**: LQALK-M **LQL**: LQALK-L **LQG**: LQALK-G

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.

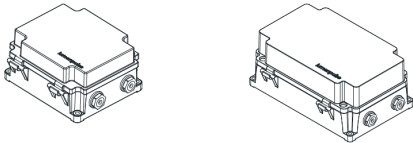
Control Boxes (Order Separately)

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.

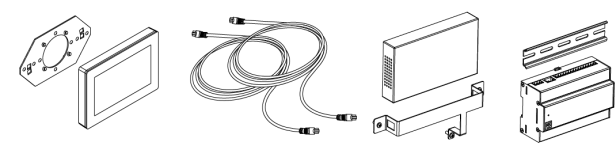
CBX-ENET - Ethernet Enabled (Daisy Chain or Star Configuration)



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.

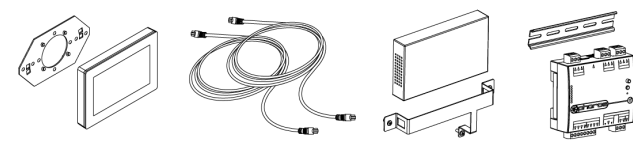
Control Systems (Order Separately)

PHAROS - Pharos® Designer Lighting Control Kit



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

EXPERT - Pharos® Express Control Kit



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

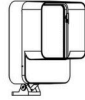
Diagnostic And Addressing Tools (Order Separately)

LID - LumenID



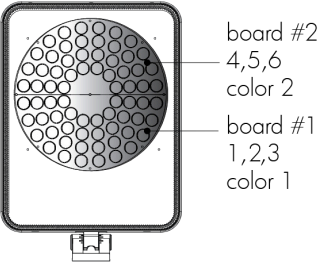
The updated LumenID (LID) is an all-in-one diagnostic and addressing solution for both DMX/RDM and Lumentalk (LT) systems. Engineered for versatility, it streamlines commissioning and troubleshooting across protocols—no need for multiple tools. Cable option may vary; please consult factory. For complete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

EPA Guide

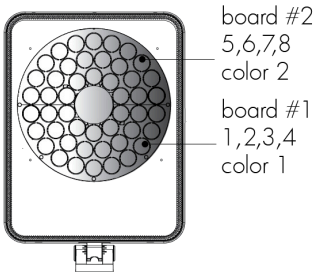
	FIXTURE			MOUNTING OPTIONS*			
	LQG	LQG with Snoot	LQG with Visor	WAM/WAMRJB			
					6	12	18
EPA Front (sq ft)	1.336	1.585	1.585	N/A	N/A	N/A	N/A
EPA Side (sq ft)	0.346	1.016	1.016	0.134	0.287	0.440	0.593
EPA Front 45° (sq ft)	1.233	2.06	2.06	N/A	N/A	N/A	N/A

Resolution Details (Discrete)

Resolution Per Board: Each Board is Addressed Independently
DMX Addresses:

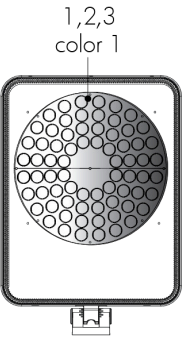


RGB color mixing option

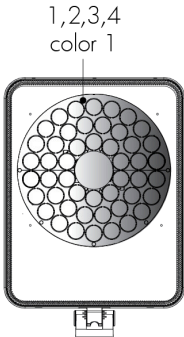


RGBW30K, RGBW40K and RGBA color mixing options

Resolution Per Fixture: Each Fixture Is Addressed Independently
DMX Addresses:



RGB color mixing option

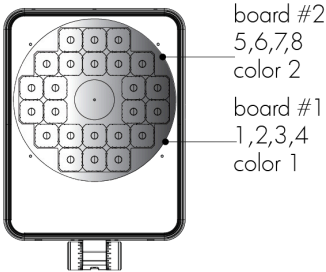


RGBW30K, RGBW40K and RGBA color mixing options

Fixture resolution can be configured on-site within the LumenID V3 software.

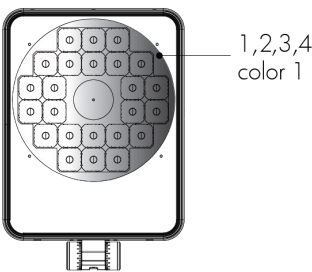
Resolution Details (Opticolor and Opticolor+)

Resolution Per Board: Each Board is Addressed Independently
DMX Addresses:



MRGBA, MRGBWP and MRGROYWP Color mixing options

Resolution Per Fixture: Each Fixture Is Addressed Independently
DMX Addresses:



MRGBA, MRGBWP and MRGROYWP color mixing options

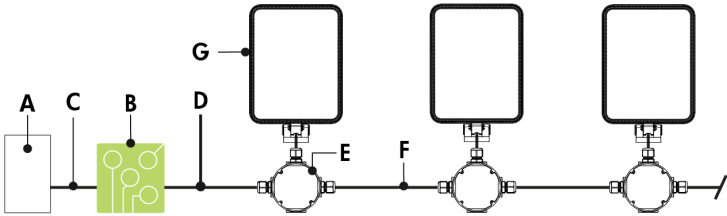
Fixture resolution can be configured on-site within the LumenID V3 software.

Typical Wiring Diagrams

Wiring Color Code

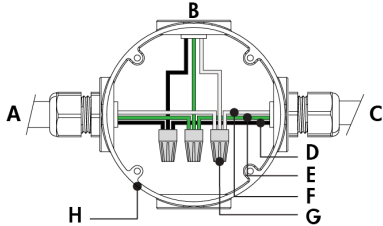
UL Color Code	USE
Green	Ground
Black	Line 100-277V AC
White	Line/Neutral
Red or Purple	0-10V / Data +
Orange	0-10V / Data -
Gray	Signal common (DMX/RDM only)

Lumentalk (LT)



- A - DMX/RDM controller (order separately from Lumenpulse, or by others)
- B - Lumentranslator 2 (LTL2-DMX)
- 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

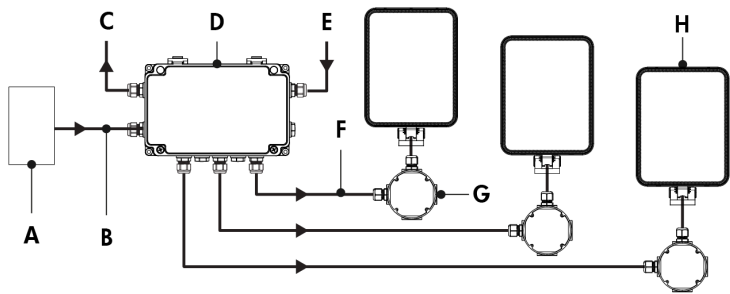
Lumentalk (LT) - Wiring Detail



- 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 - Wire-nuts (by others)
- H - Junction box (by others)

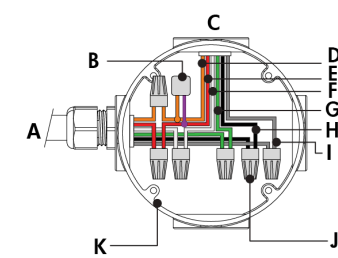
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- Lumentalk enabled fixtures must be commissioned using LumentalkID software and a LID. Consult factory for details.
- Maximum of 1 transmitter (Lumentranslator or Lumenlink) per system. No third party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

Star Layout (DMX/RDM) - Wiring Detail



- 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 - Wire-nuts (by others)
- K - Junction box (by others)

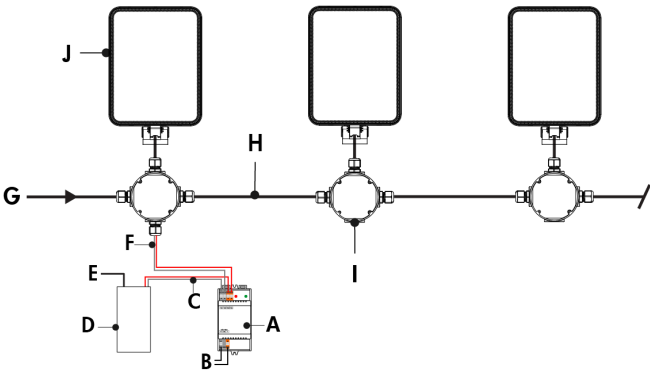
Maximum Fixture Count

Maximum number of fixtures per run (Based on 15A maximum, 16AWG cable, fixtures spaced 10ft on center, first fixture 50ft from CBX)				
Configuration/Voltage	120V	208V	240V	277V
LQG	10	16	18	21

- Refer to CBX installation instructions for additional wiring details.
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- 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.
- RGB color mixture option requires 3 DMX addresses. RGBW30K and RGBW40K, RGBA, MRGBA, MRGBWP and MRGROYWP color mixture options require 4 DMX addresses.
- 100 watts per fixture.

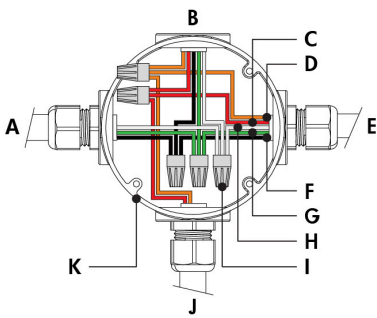
* DMX terminator is required at the end of each run to maintain data integrity. (6x) DMX lumenterminators included per CBX-ST. See installation instructions for details.

DALI 2 T8 (DALIT8)



- 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 (LQL-DALIT8)

DALI 2 T8 (DALIT8) - Wiring Detail



- 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 - Wire-nuts (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.
- 100 watts per fixture.
- The Lumenquad responds to RGBWAF for color controls and Tc for dim to warm and tunable white.
- Commissioning may be required based on the selection of 3rd party DALI controller. Controller and commissioning provided by others.

How to Order

Housing	Voltage	Color and Color Temperature ⁽²⁾	Optic1	Optic2	Optical Option ⁽¹⁹⁾
LQG Lumenquad Grande ⁽¹⁾	100 100 Volts	MRGBWP Opticolor+® Mix-at-Source Red, Green, Blue Plus White, Settable Range 24K to 65K ⁽³⁾ ⁽⁴⁾ ⁽⁵⁾ ⁽⁶⁾ ⁽⁷⁾ ⁽⁸⁾	XN Extra Narrow 3° or 5° ⁽¹³⁾ ⁽¹⁴⁾ ⁽¹⁵⁾	XN Extra Narrow 3° or 5° ⁽¹³⁾ ⁽¹⁴⁾ ⁽¹⁵⁾	LSLH Linear Spread Lens Horizontal Distribution ⁽²⁰⁾ LSLV Linear Spread Lens Vertical Distribution ⁽²⁰⁾ HL Honeycomb Louver ⁽²⁰⁾ ⁽²¹⁾
	120 120 Volts		VN Very Narrow 6° ⁽¹⁴⁾ ⁽¹⁵⁾	VN Very Narrow 6° ⁽¹⁴⁾ ⁽¹⁵⁾	
	208 208 Volts	MRGBA Opticolor™ Mix-at-Source Red, Green, Blue, PC Amber ⁽⁴⁾ ⁽⁹⁾ ⁽¹⁰⁾	NS Narrow Spot 10° ⁽¹⁴⁾	NS Narrow Spot 10° ⁽¹⁴⁾	
	220 220 Volts		NF Narrow Flood 20° ⁽¹⁴⁾	NF Narrow Flood 20° ⁽¹⁴⁾	
	240 240 Volts	RGBA Discrete Red, Green Blue, Amber	M Medium 30° ⁽¹⁴⁾ ⁽¹⁶⁾	M Medium 30° ⁽¹⁴⁾ ⁽¹⁶⁾	
	277 277 Volts	RGBW30K Discrete Red, Green, Blue, White 30K ⁽⁹⁾	FL Flood 40° ⁽¹⁴⁾	FL Flood 40° ⁽¹⁴⁾	
		RGBW40K Discrete Red, Green, Blue, White 40K ⁽⁹⁾	WFL Wide Flood 60° ⁽¹⁴⁾ ⁽¹⁷⁾	WFL Wide Flood 60° ⁽¹⁴⁾ ⁽¹⁷⁾	
		RGB Discrete Red, Green, Blue	VWFL Very Wide Flood 90° ⁽¹⁴⁾ ⁽¹⁷⁾ ⁽¹⁸⁾	VWFL Very Wide Flood 90° ⁽¹⁴⁾ ⁽¹⁷⁾ ⁽¹⁸⁾	
		MRGROYWP Opticolor+® Mix-at-Source Red, Green, Royal Blue Plus White Settable Range 24K to 65K ⁽³⁾ ⁽⁴⁾ ⁽⁵⁾ ⁽⁶⁾ ⁽⁷⁾ ⁽⁸⁾ ⁽¹¹⁾ ⁽¹²⁾	NAS Narrow Asymmetric ⁽¹⁴⁾ ⁽¹⁵⁾	NAS Narrow Asymmetric ⁽¹⁴⁾ ⁽¹⁵⁾	
			WW Asymmetric Wallwash ⁽¹⁴⁾ ⁽¹⁵⁾	WW Asymmetric Wallwash ⁽¹⁴⁾ ⁽¹⁵⁾	

Notes:

1. Consult factory for products that are BAA-approved (Buy American Act).

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

3. MRGBWP and MRGROYWP can be configured to MRGB via RDM, consult factory for more details.

4. Not available with XN, VN, NAS and WW optics.

5. Consult factory for the availability of more color and CCT options (e.g. royal blue).

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

7. The same optic option must be specified for both boards when MRGBA, MRGBWP or MRGROYWP is selected.

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

9. Consult factory for availability of other color options such as Royal Blue.
10. The same optic option must be specified for both boards when MRGBA or MRGBWP is selected.

11. Longer lead time of 10-12 weeks.

12. Consult factory for photometric performance.

13. Nominal distribution is 3° for RGBW30K, RGBW40K and RGBA color options, and 5° for RGB.

14. Factory installed, not interchangeable on site.

15. Not available with MRGBA, MRGBWP and MRGROYWP color temperature options.

16. Cannot be combined with other optics when RGB, RGBW30K, RGBW40K and RGBA color temperatures are specified.

17. Cannot be combined with other optics.

18. Available with MRGBA, MRGBWP and MRGROYWP color temperature options only.

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

20. Not available with WFL, VWFL, NAS and WW optics.

21. Not available with MRGBA and MRGBWP color temperature options.

How to Order

Mounting Options ⁽²²⁾ ⁽²³⁾	Finish	Control	Option	Certification	Cable Length ⁽³¹⁾ ⁽³⁸⁾ ⁽⁴⁰⁾
SM Surface Mount	BK Black Sandtex®	LT Lumentalk ⁽²⁹⁾	CRC Corrosion-Resistant Coating ⁽³⁴⁾ ⁽³⁵⁾	UL UL Compliant	3FT 3 ft ⁽³¹⁾ ⁽³⁹⁾
WM Wall Mount Bracket with Decorative Cover	BRZ Bronze Sandtex®	DMX/RDM DMX/RDM Enabled ⁽³⁰⁾ ⁽³¹⁾		CE CE Compliant ⁽³⁶⁾	10FT 10 ft
WMNC Wall Mount Bracket without Decorative Cover	SI Silver Sandtex®	DALI T8 DALI T8 Enabled Dimming 0.1% ⁽³²⁾ ⁽³³⁾		CEII CE Compliant Class II Double Insulated ⁽³⁶⁾ ⁽³⁷⁾	20FT 20 ft
WAM6 Wall Arm Mount 6 in with Decorative Cover	WH Smooth White				30FT 30 ft
WAM6NC Wall Arm Mount 6 in without Decorative Cover	BKTX Textured Black				50FT 50 ft
WAM12 Wall Arm Mount 12 in with Decorative Cover	BRZTX Textured Bronze Non-Metallic				70FT 70 ft
WAM12NC Wall Arm Mount 12 in without Decorative Cover	GRATX Textured Medium Gray				100FT 100 ft
WAM18 Wall Arm Mount 18 in with Decorative Cover	GRNTX Textured Green				
WAM18NC Wall Arm Mount 18 in without Decorative Cover	WHTX Textured White				
WAM24 Wall Arm Mount 24 in with Decorative Cover ⁽²⁴⁾	CC Custom Color & Finish ⁽²⁶⁾ ⁽²⁷⁾ ⁽²⁸⁾				
WAM24NC Wall Arm Mount 24 in without Decorative Cover ⁽²⁴⁾					
WMRJB Recessed JBOX Wall Mount with Decorative Cover					
WMRJBNC Recessed JBOX Wall Mount without Decorative Cover					
WAMRJB6 Recessed JBOX Wall Arm Mount 6 in with Decorative Cover					
WAMRJB6NC Recessed JBOX Wall Arm Mount 6 in without Decorative Cover					
WAMRJB12 Recessed JBOX Wall Arm Mount 12 in with Decorative Cover					
WAMRJB12NC Recessed JBOX Wall Arm Mount 12 in without Decorative Cover					
WAMRJB18 Recessed JBOX Wall Arm Mount 18 in with Decorative Cover					
WAMRJB18NC Recessed JBOX Wall Arm Mount 18 in without Decorative Cover					
WAMRJB24 Recessed JBOX Wall Arm Mount 24 in with Decorative Cover					
WAMRJB24NC Recessed JBOX Wall Arm Mount 24 in without Decorative Cover					

RPM4/1 Round Pole Mount 4 in					
RPM4.5/1 Round Pole Mount 4.5 in					
RPM5/1 Round Pole Mount 5 in					
RPM4/2 Round Pole Mount 4 in for two fixtures					
RPM4.5/2 Round Pole Mount 4.5 in for two fixtures					
RPM5/2 Round Pole Mount 5 in for two fixtures					
PLTU Lumentech Pole Mount ⁽²⁵⁾					
TN2 Tenon Adapter for 2 3/8 in O.D. Pole					
TN4 Tenon Adapter for 4 in O.D. Pole					
SK Stake Mount					

Notes:

- 22.** All mounting options (except for SM mounting) are interchangeable. Consult factory for details.

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

24. A cable length of 10 ft or greater must be specified.

25. Available for Lumentech poles with a square or round profile. A PLTU - Universal Yoke accessory must be ordered with the Lumentech pole for the Lumentech to fit with the PLTU mounting option. Refer to Lumentech specification sheet and installation instructions for more details.

26. Lumenpulse offers a wide selection of RAL CLASSIC (K7) colors with a smooth texture and high-gloss finish. Please consult factory for a list of available K7 colors, other RAL textures and glosses, or to match alternate color charts. Final color matching results may vary.

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

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

29. A Lumentranslator 2 (LTL2) and LumenID (LID) must be specified for Lumentalk applications. Consult Lumentranslator 2 and Lumentalk pages and specification sheets for details.
- 30.** A control box (CBX) and LumenID (LID) must be specified.

31. Maximum of 3 ft cable length for daisy chain DMX applications with CBX-DS.

32. Consult factory for DALI8 applications with MRGBWP and a CCT other than 3000K.

33. DALI 2 T8 controller required, provided by others. DALI 2 T8 control uses a single DALI short address.

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

35. Setup charges apply. Consult factory for details.

36. Consult European specification sheets and installation instructions for CE and CE Class II wiring information.

37. Available for 220 or 240 volts only.

38. Not applicable to WMRJB, WMRJBNC and WAMRJB 6 in to 24 in mounting options (with or without decorative cover). Cable lengths for these mounting options are determined by the length of the mounting bracket.

39. Not available with WAM24 or WAM24NC mounting options.

40. UL fixtures specified with a smooth white finish and a SM, WM, WMNC, or WAM 6 in to 24 in mounting option (with or without decorative cover) are provided with a white cable. A black cable is provided for all other fixture configurations.