Specification Sheet

Project Name _____   **Qty** _____

Type _____   **Catalog / Part Number** _____

8 7/8 "
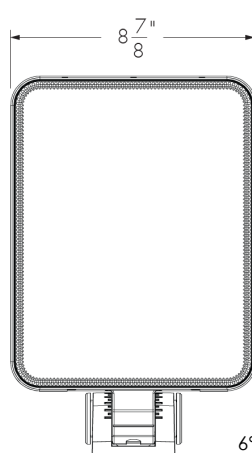
Front view
6° increment pivot

5 7/8 "
2 7/8 "
11 3/8 "
13 11/16 "
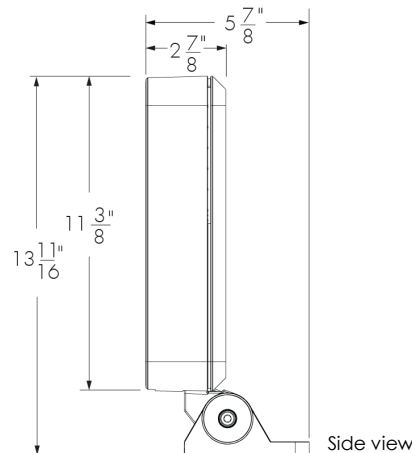
Side view

Photometric Summary

Symmetric

	Delivered output (lm)	Intensity (peak cd)
XN (4°)	2,864	294,060
VN (6°)	2,943	160,770
NS (10°)	5,039	75,098
NF (20°)	5,158	48,841
M (30°)	4,725	25,678
FL (40°)	4,438	10,952
WFL (60°)	4,061	3,670

Asymmetric

	Delivered output (lm)	Intensity (peak cd)
NAS	3,352	51,626 (@2.5°)
WW	4,624	11,884 (@5°)

Roadway

	Delivered output (lm)	BUG rating
2-Type II	3,989	B:1 U:0 G:1
3-Type III	4,103	B:1 U:0 G:1
4-Type IV	3,616	B:1 U:0 G:1
5S-Type VS	4,016	B:2 U:0 G:1

Based on 4000K configuration.
Photometric performance is measured in compliance with IESNA LM 79-08.
Refer to IES files for photometric information on distributions with backlight shield options (2BLS, 3BLS and 4BLS).

Description

The Lumenquad Large, 50W LED luminaire, has a sleek 2 7/8 in profile with no visible wiring or hardware and seamlessly integrates with any architecture. Lumenpulse's latest generation of LED boards possess an optimized candela and lumens recipe for both Narrow and Wide optics. The Lumenquad Large is the epitome of versatility and can be configured with numerous options including optics for wallwash, floodlighting, or street lighting, a choice of color temperatures and colors, as well as various mounting options, accessories, controls, and multiple standard finishes.
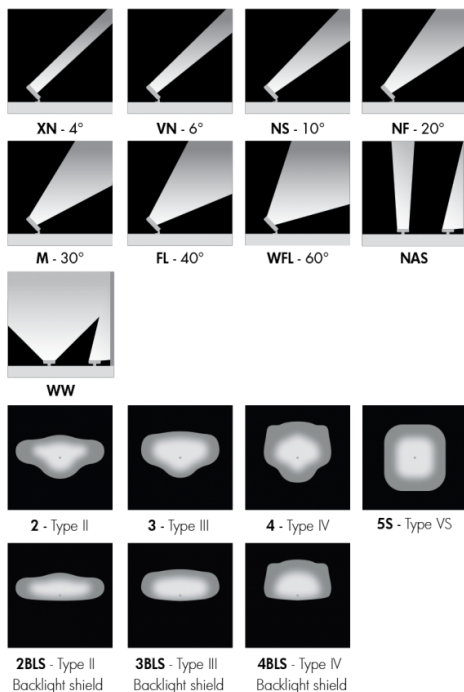
Features

Color and Color Temperature	2200K, 2700K, 3000K, 3500K, 4000K, 5700K, Red, Green, Blue
Optics (nominal distribution)	XN (4°), VN (6°), NS (10°), NF (20°), M (30°), FL (40°), WFL (60°), NAS (Narrow Asymmetric), WW (Asymmetric Wallwash), Type II, Type II backlight shield, Type III, Type III backlight shield, Type IV, Type IV backlight shield, Type VS
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)
Optical Options (factory installed)	Linear spread lens horizontal distribution, Linear spread lens vertical distribution, Honeycomb louver
Options	Corrosion-resistant coating for hostile environments
Power Consumption	50 W
Warranty	5-year limited warranty

Performance

Maximum Delivered Output	5158 lm (4000K, NF 20°)
Maximum Delivered Intensity	294,060 cd at nadir (4000K, XN 4°)

Optics

XN - 4°	VN - 6°	NS - 10°	NF - 20°
M - 30°	FL - 40°	WFL - 60°	NAS
WW			

2 - Type II	3 - Type III	4 - Type IV	5S - Type VS
2BLS - Type II Backlight shield	3BLS - Type III Backlight shield	4BLS - Type IV Backlight shield	

Colors and Color Temperatures

2200K 2700K 3000K 3500K 4000K 5700K

Red Green Blue
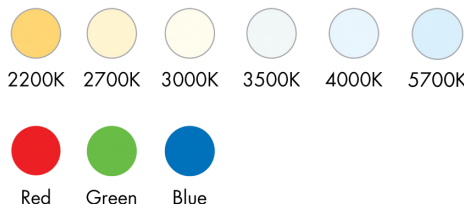
Controls

ON/OFF 0-10V DMX/RDM

lumentalk EcoSystem Enabled DALI

Ratings

IP66 IK10

Certifications

c UL us   CE   RoHS

Illuminance at Distance	Minimum 1 fc at 546 ft (4000K, XN 4°)
Color Consistency	3 SDCM
Color Rendering	CRI 80+
Lumen Maintenance	L70 > 250,000 hrs (Ta 25 °C) (> 80,000 hrs for XN 4°, VN 6°, NAS optics only)

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	15 lbs
EPA	Front = 0.84 sq ft, Side = 0.23 sq ft, Front 45°= 0.79 sq ft

Electrical and control

Voltage	100 to 347 volts
Fixture Cable	Power and data in one cable
Conductors	3C #16-3 (NO, LT control), 5C #16-5 (DIM, DALI, ES control), 6C #14-3/ #24-3 (DMX/RDM control)
Control	On/Off control, Lumentalk, 0-10V dimming, DALI dimming, Lutron® EcoSystem® Enabled dimming, DMX/RDM enabled
Resolution (DMX/RDM)	Per fixture, 8-bit or 16-bit

Environmental

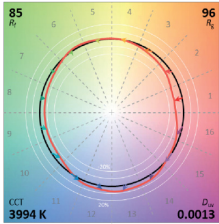|	
Storage Temperature	
Start-up Temperature	-13 °F to 122 °F
Operating Temperature	-40 °F to 122 °F
Ingress Protection Rating	IP66, Wet location rated
Impact Resistance Rating	IK10
Application Wind Speed	Luminaires were designed based on AASHTO 2013 standard to ensure highest quality and safety. Installation should be validated by a local project engineer to ensure the luminaires are suitable for the wind speed and exposure of the specific application

Accessories (order separately)

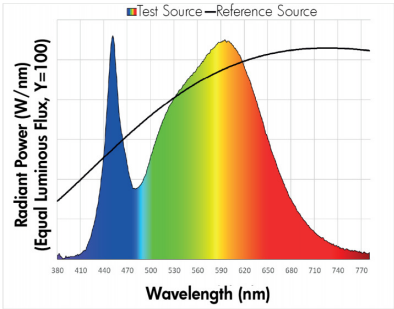|	
Optical Accessories	Snoot, Lumenquad Large Visor, Linear Spread Lens Adjustable, Wire Guard
Control Boxes	DMX/RDM enabled (daisy chain or star configuration), Ethernet enabled (daisy chain or star configuration)
Control Systems	Lumentone™ 2 (LTN2), Pharos® kit (PHAROS)
Diagnostic and Addressing Tools	LumenID (LID), LumentalkID

lumenpulse™

1220 Marie-Victorin Blvd., Longueuil, QC, J4G 2H9, CA
info@lumenpulse.com   www.lumenpulse.com   **T** United States 617.307.5700 | Canada 1.877.937.3003 | 514.937.3003   **F** 514.937.6289
www.lumenpulse.com/products/2462

LMPG Inc. reserves the right to make changes to this product at any time without prior notice and such modification shall be effective immediately
2022.08.07 copyright © 2022 LMPG Inc.
EM - R13

2 / 17

Chromaticity Data

TM-30 - 4000K

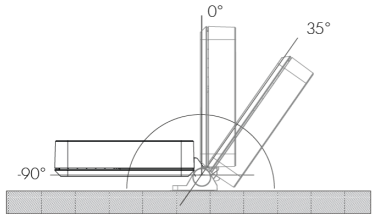| CCT	CIE		TM-30	
4000K	R_a	83	85	R_f
	R_9	14	96	R_g

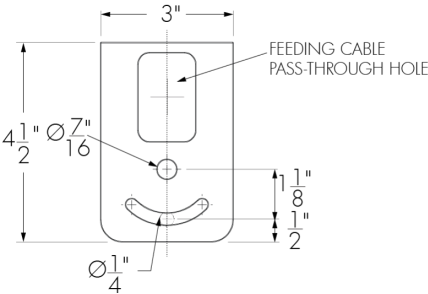### Spectral Power Distribution
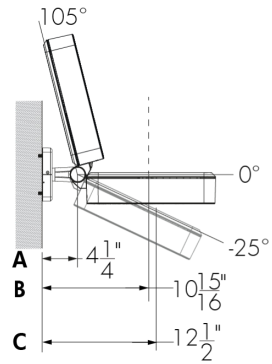

Mounting options

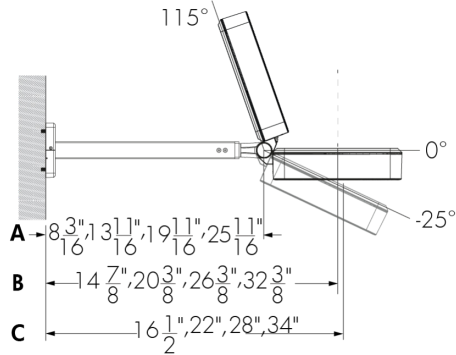### SM - Surface mount

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.
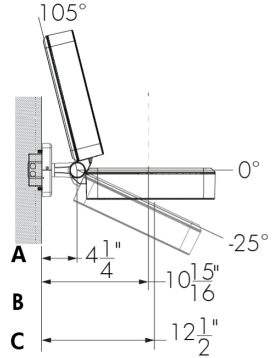
WM - Wall mount bracket with decorative cover

105°
0°
-25°
A
$4\frac{1}{4}$"
B
$10\frac{15}{16}$"
C
$12\frac{1}{2}$"

WMNC - Wall mount bracket without decorative cover

105°
0°
-25°
A
$4\frac{1}{4}$"
B
$10\frac{15}{16}$"
C
$12\frac{1}{2}$"

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

115°
0°
-25°
A → $8\frac{3}{16}$", $13\frac{11}{16}$", $19\frac{11}{16}$", $25\frac{11}{16}$"
B → $14\frac{7}{8}$", $20\frac{3}{8}$", $26\frac{3}{8}$", $32\frac{3}{8}$"
C → $16\frac{1}{2}$", 22", 28", 34"

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

WAMNC - Wall mount bracket without decorative cover 6 in, 12 in, 18 in or 24 in

115°
0°
-25°
A → $8\frac{3}{16}$", $13\frac{11}{16}$", $19\frac{11}{16}$", $25\frac{11}{16}$"
B → $14\frac{7}{8}$", $20\frac{3}{8}$", $26\frac{3}{8}$", $32\frac{3}{8}$"
C → $16\frac{1}{2}$", 22", 28", 34"

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

WMRJB - Recessed JBOX wall mount with decorative cover
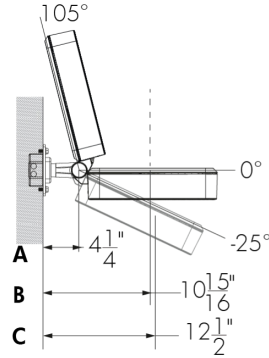
105°
0°
-25°
A
$4\frac{1}{4}$"
B
$10\frac{15}{16}$"
C
$12\frac{1}{2}$"

Fixture cable length is determined by Lumenpulse.

WMRJBNC - Recessed JBOX wall mount without decorative cover

105°
0°
-25°
A
$4\frac{1}{4}$"
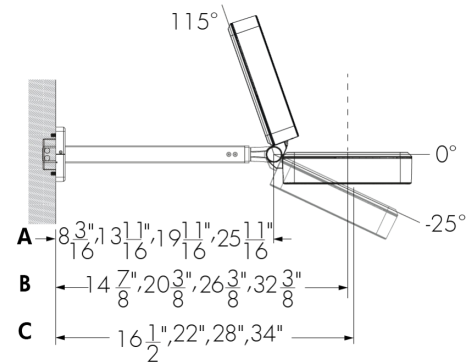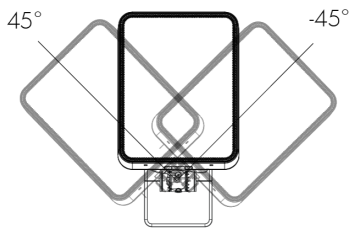B
$10\frac{15}{16}$"
C
$12\frac{1}{2}$"

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

WAMRJBNC - Recessed JBOX wall arm mount without decorative cover 6 in, 12 in, 18 in or 24 in

A - Dimension from wall to pivot.

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

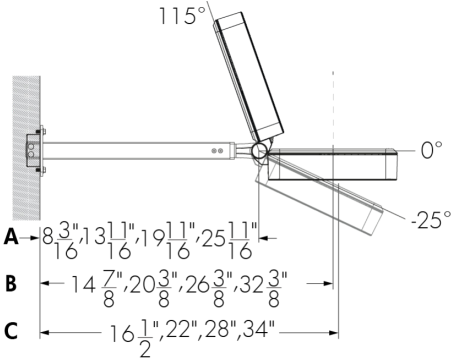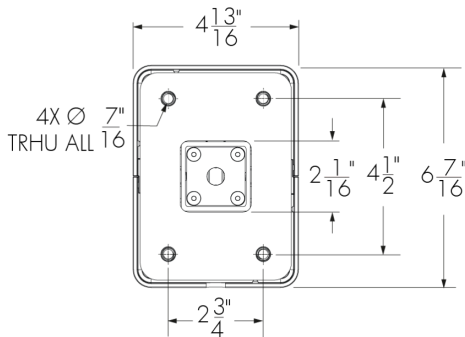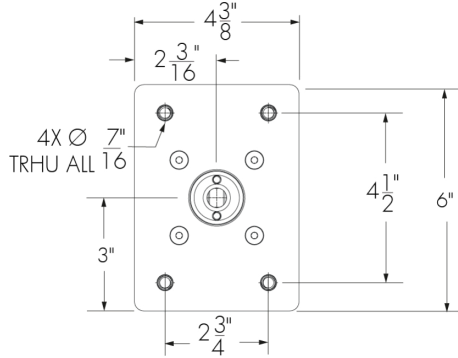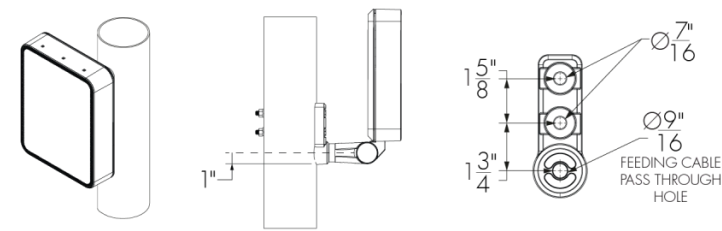**C** - Dimension from wall to the center of the board.

Wall mount horizontal pivot limits

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	$4" \pm \frac{1}{16}"$	$4.5" \pm \frac{1}{16}"$	$5" \pm \frac{1}{16}"$
Bolt length	$5\frac{1}{4}"$	$5\frac{3}{4}"$	$6\frac{1}{4}"$

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

RPM4/2, RPM4.5/2, RPM5/2 - Round pole mount for two fixtures

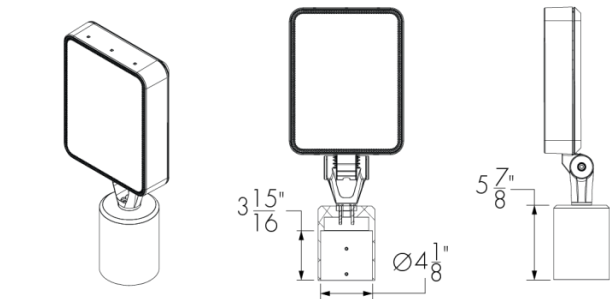|	RPM4/2	RPM4.5/2	RPM5/2
For pole Ø	$4" \pm \frac{1}{16}"$	$4.5" \pm \frac{1}{16}"$	$5" \pm \frac{1}{16}"$
Bolt length	$5\frac{3}{4}"$	$6\frac{1}{4}"$	$7"$

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

PLTU - Lumentech pole mount
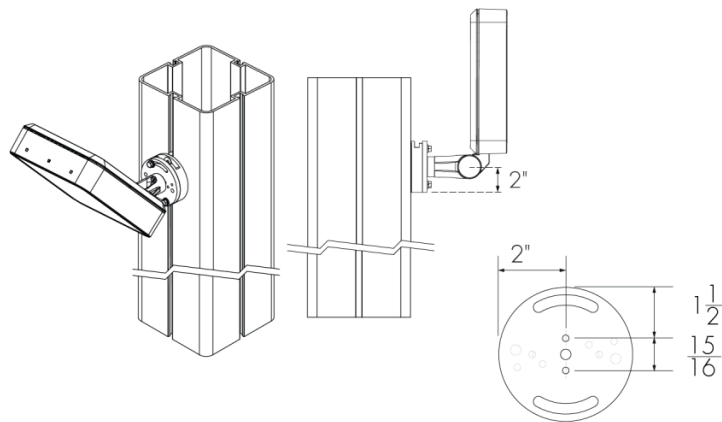
A **PLTU - Universal Yoke** accessory must be ordered with the Lumentech pole for the Lumentech to fit with the PLTU mounting option. Refer to Lumentech specification sheet and installation instructions for more details. Square Lumentech profile shown.
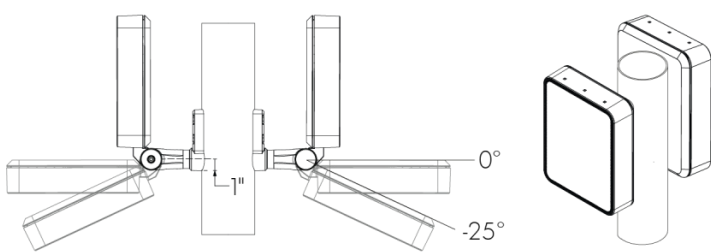
TN2 - Tenon adapter for 2 3/8 in O.D. pole

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.
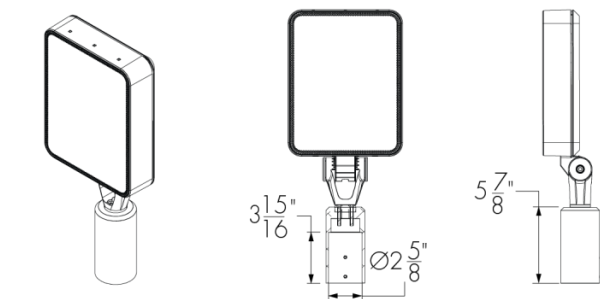
1220 Marie-Victorin Blvd., Longueuil, QC, J4G 2H9, CA
info@lumenpulse.com   **www.lumenpulse.com**

T United States 617.307.5700 | Canada 1.877.937.3003 | 514.937.3003   **F** 514.937.6289
www.lumenpulse.com/products/2462

6 / 17

Optical options

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	13° x 60°
NF	18° x 65°
M	25° x 66°
FL	35° x 70°

LLF: 0.88*
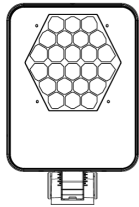
*LLF may vary slightly by distribution chosen.
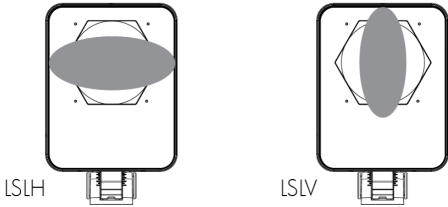
Factory installed, not adjustable on site. Not available for WFL, NAS, WW, 2, 2 BLS, 3, 3BLS, 4, 4BLS and 5S optics.

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

HL - Honeycomb louver

Factory installed, not adjustable on site. HL not available for NAS, WW, 2, 2BLS, 3, 3BLS, 4, 4BLS and 5S optics.
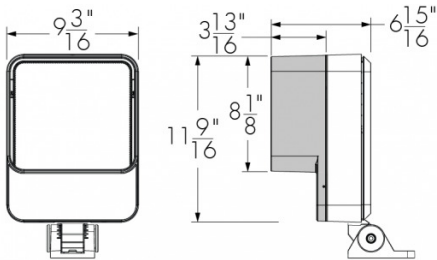
The addition of a honeycomb louver will affect beam distribution. Consult factory for application support.

LLF: 0.90*

*LLF may vary slightly by distribution chosen.

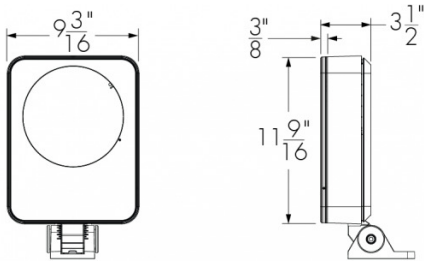## Optical accessories (factory installed, order separately)

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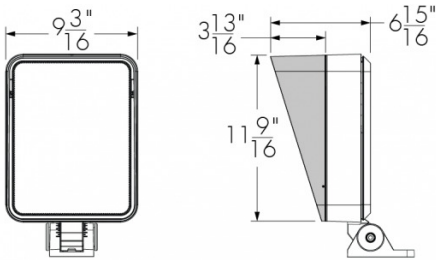
SN - Snoot

LQLSN-**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

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

LSLA - Linear spread lens adjustable

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

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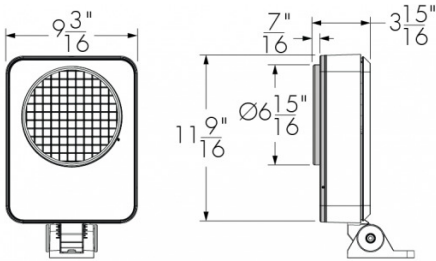
LQLWG-**FINISH-OPTIONS** (CRC)
Please specify the exterior **FINISH** from the list of finishes in the fixture order code.

### lumenpulse™

1220 Marie-Victorin Blvd., Longueuil, QC, J4G 2H9, CA
info@lumenpulse.com   www.lumenpulse.com

T United States 617.307.5700 | Canada 1.877.937.3003 | 514.937.3003   **F** 514.937.6289
www.lumenpulse.com/products/2462

7 / 17

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 LQLSNWG-BK-BK. A maximum of two accessories can be combined per fixture.
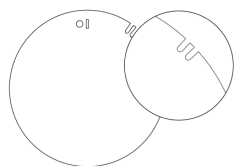
Diffuser lenses (intended for mockup purposes only, order separately)
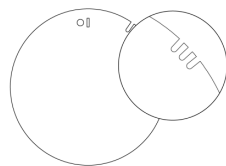
Diffuser lens 1 (1 notch)
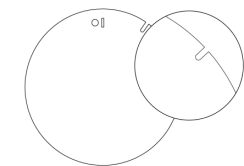
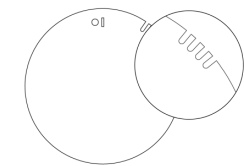

147707

Diffuser lens 2 (2 notches)
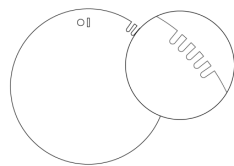

147708

Diffuser lens 3 (3 notches)

147709

Diffuser lens 4 (4 notches)
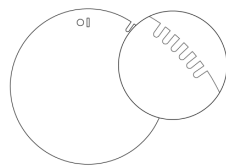

147710

Diffuser lens 5 (5 notches)

147711

Diffuser lens 6 (6 notches)

147712

Final distribution using diffuser lenses

Original Distribution on Fixture	Final Distribution Using Diffuser Lens					
	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				
VN (6°)	NS		NF	M	FL	WFL
NS (10°)						
NF (20°)						
M (30°)				FL	WFL	
FL (40°)						
WFL (60°)						

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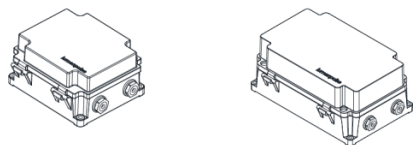
DMX/RDM control box. Up to six power and data outputs to fixtures or fixture runs. Consult CBX specification sheet and installation instructions for details. Lumenterminators provided with CBX (2x for daisy chain configuration, 6x for star configuration), consult factory to order spares.
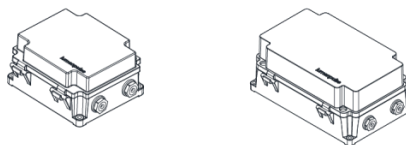
CBX-ENET - Ethernet enabled (daisy chain or star configuration)

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)

LTN2 - Lumentone™ 2

Lumentone 2 is a simple pre-programmed DMX 512 controller with a push button rotary dial and live feedback.

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)
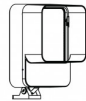
LID - LumenID

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

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.

EPA Guide

	FIXTURE			MOUNTING OPTIONS*			
	LQL	LQL with Snoot	LQL with Visor	WAM/WAMRJB			
				6	12	18	24
EPA Front (sq ft)	0.841	0.997	0.997	N/A	N/A	N/A	N/A
EPA Side (sq ft)	0.231	0.596	0.596	0.134	0.287	0.440	0.593
EPA Front 45° (sq ft)	0.787	1.256	1.256	N/A	N/A	N/A	N/A

*Mounting arm only. Fixture EPA calculation must also be considered.

Typical wiring diagrams

Wiring color code

UL Color Code	USE
Green	Ground
Black	Line 100-347V AC
White	Line/Neutral
Red or Purple	0-10V / Data +
Orange	0-10V / Data -
Gray	Signal common (DMX/RDM only)

On/Off Control (NO)
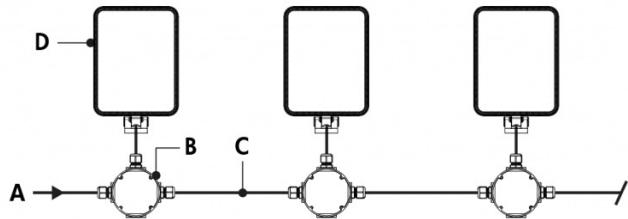
A - Power input (100-347V, wiring by others)
B - Junction box (by others)
C - Power wiring (by others)
D - Lumenquad Large

On/Off Control (NO) - wiring detail
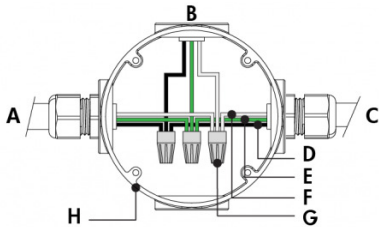
A - Power input or from previous fixture
B - To fixture
C - To next fixture
D - Line
E - Ground
F - Line/Neutral
G - Wire-nuts (by others)
H - Junction box (by others)

- Consult factory for specific applications and maximum fixture count/cable length recommendations. 50 watts per fixture.

lumenpulse™

1220 Marie-Victorin Blvd., Longueuil, QC, J4G 2H9, CA
info@lumenpulse.com   **www.lumenpulse.com**

T United States 617.307.5700 | Canada 1.877.937.3003 | 514.937.3003   **F** 514.937.6289
www.lumenpulse.com/products/2462

LMPG Inc. reserves the right to make changes to this product at any time without prior notice and such modification shall be effective immediately
2022.08.07 copyright © 2022 LMPG Inc.
EM - R13

10 / 17

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 Large

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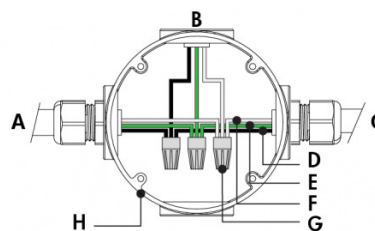
A - Power input (control over power line via Lumentalk system) or from previous fixture
B - To fixture
C - To next fixture
D - Line
E - Ground
F - Line/Neutral
G - Wire-nuts (by others)
H - Junction box (by others)

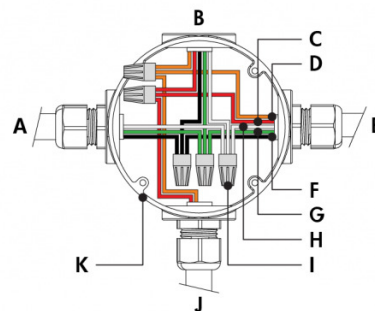- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- Lumentalk enabled fixtures must be commissioned using LumentalkID software and a LID-LT. Consult factory for details.
- Maximum of 1 transmitter (Lumentranslator or Lumenlink) per system. No third party 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 colors is 1 minute). Consult factory for applications that require additional capabilities.
- Consult factory for DALI Lumentalk applications.
- 1% minimum dimming value. 50 watts per fixture.

0-10V dimming (DIM)
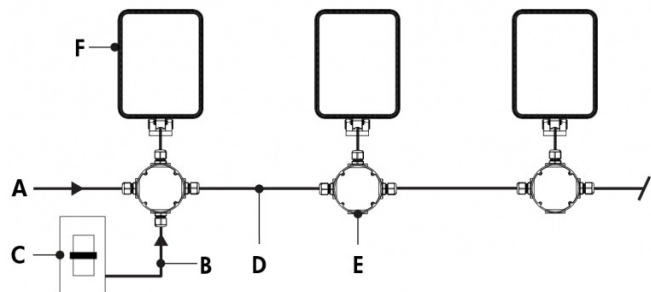
A - Power input (100-347V, wiring by others)
B - Data wiring (by others)
C - Dimmer (by others)
D - Power and data wiring (by others)
E - Junction box (by others)
F - Lumenquad Large

0-10V dimming (DIM) - wiring detail

A - Power input or from previous fixture
B - To fixture
C - 0-10 V +
D - 0-10 V -
E - To next fixture
F - Line
G - Ground
H - Neutral
I - Wire-nuts (by others)
J - From dimmer (by others)
K - Junction box (by others)

- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- 0-10V mA ratings: passive dimmer (Current Sink): 3mA per fixture, active dimmer (Current Source): 0.5mA per fixture.
- 1% minimum dimming value. 50 watts per fixture.

lumenpulse™

1220 Marie-Victorin Blvd., Longueuil, QC, J4G 2H9, CA
info@lumenpulse.com **www.lumenpulse.com**   **T** United States 617.307.5700 | Canada 1.877.937.3003 | 514.937.3003   **F** 514.937.6289
www.lumenpulse.com/products/2462

11 / 17

DALI dimming (DALI)
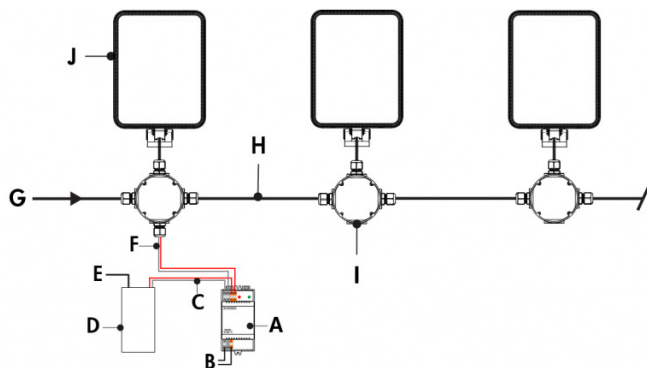
A - DALI bus power supply
B - Power input for DALI bus power supply (wiring by others)
C - Data output to DALI controller (by others)
D - DALI controller (by others)
E - Power input for DALI controller (if required, wiring by others)
F - Data wiring (by others)
G - Power input (100-347V, wiring by others)
H - Power and data wiring (by others)
I - Junction box (by others)
J - Lumenquad Large

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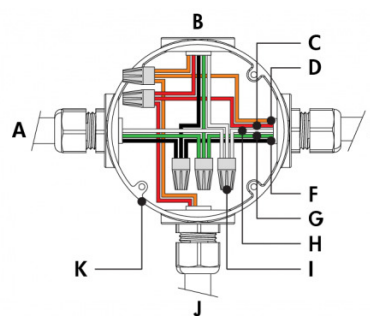
A - Power input or from previous fixture
B - To fixture
C - DA +
D - DA -
E - To next fixture
F - Line
G - Ground
H - Neutral
I - Wire-nuts (by others)
J - From DALI controller (by others)
K - Junction box (by others)

- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- Maximum of 64 DALI fixtures per DALI loop.
- 1% minimum dimming value. 50 watts per fixture.
- Commissioning may be required based on the selection of 3rd party DALI controller. Controller and commissioning provided by others.

Lutron® EcoSystem® Enabled dimming (ES)

A - Power input (100-277V, wiring by others)
B - Data wiring (by others)
C - Lutron® EcoSystem® controller (by others)
D - Power and data wiring (by others)
E - Junction box (by others)
F - Lumenquad Large

Lutron® EcoSystem® Enabled dimming (ES) - wiring detail
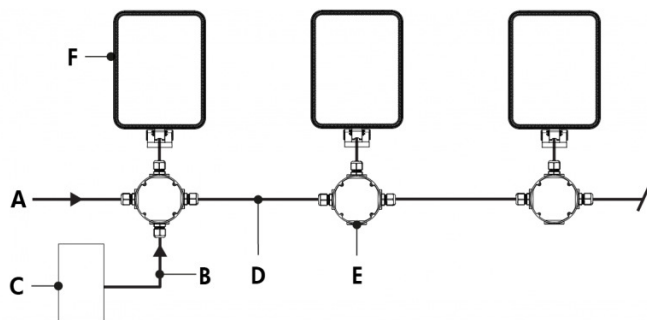

A - Power input or from previous fixture
B - To fixture
C - Data +
D - Data -
E - To next fixture
F - Line
G - Ground
H - Neutral
I - Wire-nuts (by others)
J - From Lutron® EcoSystem® controller (by others)
K - Junction box (by others)

- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- Each Lutron® EcoSystem® enabled fixture has its own address; for the example shown, there are a total of 3 EcoSystem® addresses.
- 1% minimum dimming value. 50 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 (100-347V, wiring by others)
F - Power and data output to fixture (wiring by others)
G - Junction box (by others)
H - Lumenquad Large

Star Layout (DMX/RDM) - wiring detail
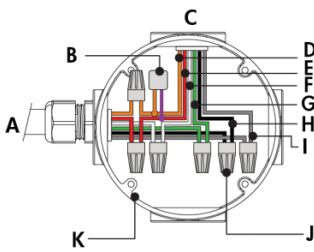
A - From CBX or previous fixture
B - Lumenterminator*
C - To fixture
D - Data -
E - Data +
F - Neutral
G - Ground
H - Line
I - Signal common
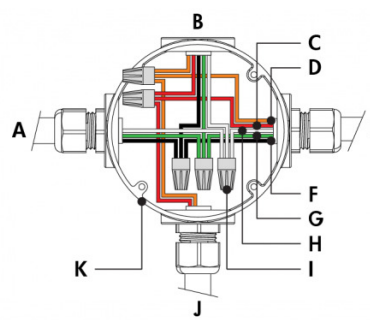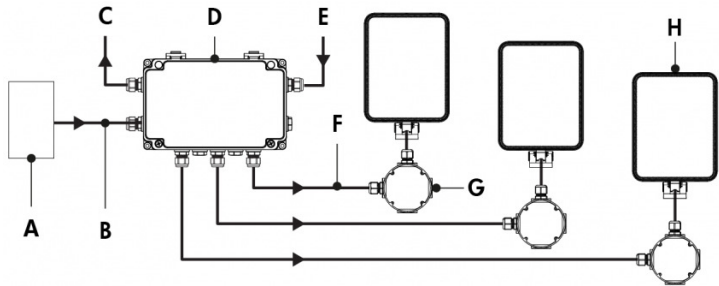J - Wire-nuts (by others)
K - Junction box (by others)

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	347V
LQL	18	28	32	32	32

- 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.
- Each fixture requires 1 DMX address.
- 1% minimum dimming value.
- 50 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 Large
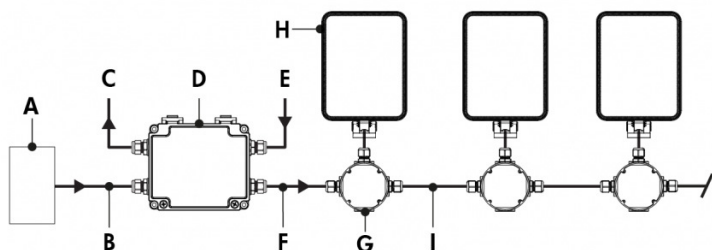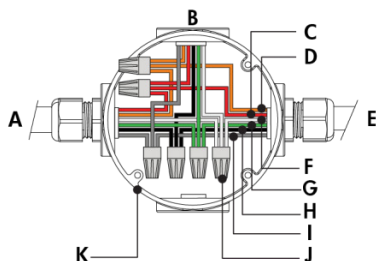**I -** Power and data wiring (by others)

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**	**347V**
LQL	18	28	32	32	32

Daisy Chain Layout (DMX/RDM) - wiring detail (first or middle of run)

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

Daisy Chain Layout (DMX/RDM) - wiring detail (end of run)
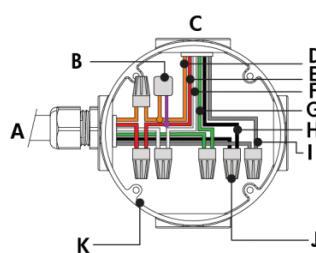
A - From CBX or previous fixture
B - Lumenterminator*
C - To fixture
D - Data -
E - Data +
F - Neutral
G - Ground
H - Line
I - Signal common
J - Wire-nuts (by others)
K - Junction box (by others)

- 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 1 output per CBX-DS.
- Maximum of 3 ft cable length between fixture and next junction box for daisy chain layout.
- Each fixture requires 1 DMX address.
- 1% minimum dimming value. 50 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	Color and Color Temperature (2)	Optics	Optical Options (7)	Mounting Options (10) (11)
LQL Lumenquad Large (1)	**100** 100 volts **120** 120 volts **208** 208 volts **220** 220 volts **240** 240 volts **277** 277 volts **347** 347 volts	**22K** 2200K **27K** 2700K **30K** 3000K **35K** 3500K **40K** 4000K **57K** 5700K **RD** Red (3) (4) (5) **GR** Green (3) (4) (5) **BL** Blue (3) (4) (5)	**XN** Extra Narrow 4° (6) **VN** Very Narrow 6° (6) **NS** Narrow Spot 10° (6) **NF** Narrow Flood 20° (6) **M** Medium 30° (6) **FL** Flood 40° (6) **WFL** Wide Flood 60° (6) **NAS** Narrow Asymmetric (6) **WW** Asymmetric Wallwash (6) **2** Type II (6) **2BLS** Type II backlight shield (6) **3** Type III (6) **3BLS** Type III backlight shield (6) **4** Type IV (6) **4BLS** Type IV backlight shield (6) **5S** Type VS (6)	**LSLH** Linear spread lens horizontal distribution (8) **LSLV** Linear spread lens vertical distribution (8) **HL** Honeycomb louver (9)	**SM** Surface mount **WM** Wall mount bracket with decorative cover **WMNC** Wall mount bracket without decorative cover **WAM6** Wall arm mount 6 in with decorative cover **WAM6NC** Wall arm mount 6 in without decorative cover **WAM12** Wall arm mount 12 in with decorative cover **WAM12NC** Wall arm mount 12 in without decorative cover **WAM18** Wall arm mount 18 in with decorative cover **WAM18NC** Wall arm mount 18 in without decorative cover **WAM24** Wall arm mount 24 in with decorative cover (12) **WAM24NC** Wall arm mount 24 in 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 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 (13) **TN2** Tenon adapter for 2 3/8 in O.D. pole

						TN4 Tenon adapter for 4 in O.D. pole	
						SK Stake mount	

Notes:

1. Consult factory for products that are BAA-approved (Buy America.n Act).
2. Consult factory for availability of static Royal Blue, 6500K and 90+ CRI.
3. Not available for XN optic.
4. Static colors made to order 8-10 weeks.
5. Consult factory for availability with type 2, 2BLS, 3, 3BLS, 4, 4BLS and 5S distributions.
6. Factory installed, not interchangeable on site.
7. Optical options are factory installed and cannot be changed in the field.
8. Not available for WFL, NAS, WW, 2, 2BLS, 3, 3BLS, 4, 4BLS and 5S optics.

9. Not available for NAS, WW, 2, 2BLS, 3, 3BLS, 4, 4BLS and 5S optics
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 10 ft or greater must be specified.
13. 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.

![lumenpulse™]

1220 Marie-Victorin Blvd., Longueuil, QC, J4G 2H9, CA
info@lumenpulse.com   **www.lumenpulse.com**   **T** United States 617.307.5700 | Canada 1.877.937.3003 | 514.937.3003   **F** 514.937.6289
www.lumenpulse.com/products/2462

How to order

Finish	Control	Options	Certification	Cable Length [21] [25] [27]
BK Black Sandtex®	**NO** On/Off control	**CRC** Corrosion-resistant coating for hostile environments [22] [23]	**UL** UL compliant	**3FT** 3 ft [21] [26]
BRZ Bronze Sandtex®	**LT** Lumentalk [17] [18]		**CE** CE compliant [24]	**10FT** 10 ft
SI Silver Sandtex®	**DIM** 0-10V dimming		**CEII** CE compliant Class II double insulated [24]	**20FT** 20 ft
WH Smooth white	**DALI** DALI dimming			**30FT** 30 ft
BKTX Textured black	**ES** Lutron® EcoSystem® Enabled dimming [17] [19]			**50FT** 50 ft
BRZTX Textured bronze non-metallic	**DMX/RDM** DMX/RDM enabled [20] [21]			**70FT** 70 ft
GRATX Textured medium gray				**100FT** 100 ft
GRNTX Textured green				
WHTX Textured white				
CC Custom color and finish (please specify RAL color) [14] [15] [16]				

Notes:

14. 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.

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

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

17. Not available with 347V.

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

19. Not available with CE or CEII certification options.

20. A control box (CBX) and LumenID (LID) must be specified.

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

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

23. Setup charges apply. Consult factory for details.

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

25. 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.

26. Not available with WAM24 or WAM24NC mounting options.

27. 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.