Project Name _____   **Qty** _____

Type _____   **Catalog / Part Number** _____

Side View

Front View

Dimensions: 5 3/8", 2 11/16", 7 5/8", 9 9/16", 5 15/16"
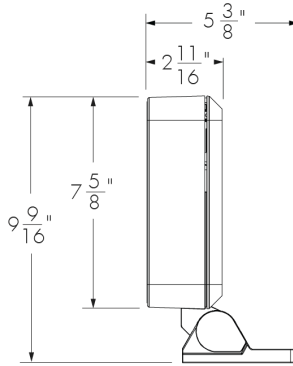
Photometric Summary

Symmetric

	Delivered output (lm)	Intensity (peak cd)
VN (6°)	930	44,976
NS (10°)	893	31,178
NF (20°)	817	6,934
M (30°)	784	3,619
FL (40°)	760	2,157
WFL (60°)	619	501
VWFL (90°)	767	398

Asymmetric

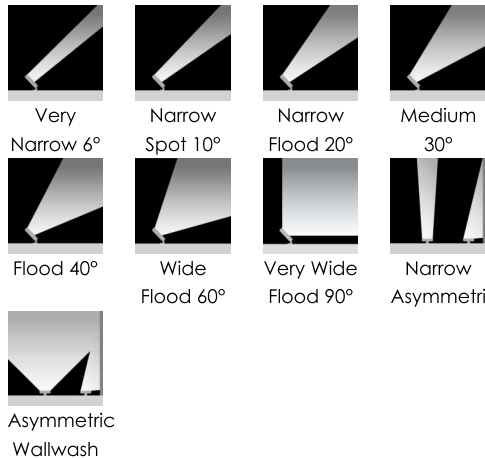|		
NAS	835	13,303 (@2.5°)
WW	765	3,394 (@5°)

[1.] Based on DWH, full output.

[2.] Photometric performance is measured in compliance with IESNA LM-79-24.

[3.] Refer to the Lumenquad Dynamic White Photometric Guide on Lumenpulse website for information on other color temperatures.

Optic

Very Narrow 6°   Narrow Spot 10°   Narrow Flood 20°   Medium 30°

Flood 40°   Wide Flood 60°   Very Wide Flood 90°   Narrow Asymmetric

Asymmetric Wallwash

Description

The Lumenquad Small Dynamic White, 14W LED luminaire, has a sleek 2 11/16 in 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 Small Dynamic White is the epitome of versatility and can be configured with numerous options including optics for wallwash and floodlighting, a choice of colour temperatures and colours, as well as various mounting options, accessories, controls, and multiple standard finishes.

Features

Color and Color Temperature   **DWW:** Dynamic Warm White (2200K to 3000K), **DWH:** Dynamic White (2700K to 6500K)

Optics (Nominal Distribution)   **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, **STM:** Stud mount

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   14W

Warranty   5-year limited warranty

Color and Color Temperature

DWW

Dynamic Warm White (2200K to 3000K)

DWH

Dynamic White (2700K to 6500K)

Control

DIM/DTW   DMX/RDM1   DMX/RDM   DALI T8

Ratings

IP66   IK10

Certifications

c(UL)us   CE   RoHS   ⏚   5 YEARS lumenpulse

Performance

Maximum Delivered Output	720 lm (DWW full output, VN 6°, DMX/RDM)
	930 lm (DWH full output, VN 6°, DMX/RDM)
Maximum Delivered Intensity	34,811 cd at nadir (DWW full output, VN 6°, DMX/RDM)
	44,976 cd at nadir (DWH full output, VN 6°, DMX/RDM)
Illuminance at Distance	Minimum 1 fc at 187 ft (DWW full output, VN 6°, DMX/RDM)
	Minimum 1 fc at 213 ft (DWH full output, VN 6°, DMX/RDM)
Lumen Maintenance	L70 120,000 hrs (Ta 25 °C)

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	6.65 lbs
EPA	Front = 0.43 ft², Side = 0.21 ft², Front 45°= 0.41 ft²

Electrical and Control

Voltage	120-277 Volts
Fixture Cable	Power and data in one cable
Conductors	5C #16-5 (DIM/DTW, DALIT8 control)
	6C #14-3/ #24-3 (DMX/RDM1, DMX/RDM control)
Control	Dim to Warm via 0-10V (2700K to 2200K), Dim to Warm via Single-Channel DMX/RDM (2700K to 2200K), DMX/RDM Enabled 3-Channel Color Temperature Control, DALI 2 T8 Enabled Dimming 0.1%, Lumentalk system is enabled with LDB accessory - see typical wiring diagrams for details
Resolution (DMX/RDM)	Per fixture, 8-bit or 16-bit
Dynamic Warm Color Temperature Mixing	9 LEDs (3x 2200K, 3x 2700K, 3x 3000K)
Dynamic White Color Temperature Mixing	9 LEDs (3x 2700K, 3x 4000K, 3x 6500K)

Environmental

Storage Temperature	-40 °F to 158 °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 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, Visor, Linear Spread Lens Adjustable, Wire Guard
Control Boxes	DMX/RDM enabled (Daisy Chain or Star Configuration), Ethernet enabled (Daisy Chain or Star Configuration), Lumentalk Data Bridge
Control Systems	Pharos® Designer Lighting Control Kit (PHAROS), Pharos® Expert Control Kit (EXPERT)
Diagnostic and Addressing Tools	LumenID (LID)

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.

Chromaticity Data

TM-30 - DWW

CCT	CIE		TM-30	
DWW Full Output	R_a	86	87	R_f
	R_9	26	97	R_g
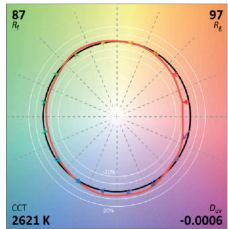
DWW Spectral Power Distribution
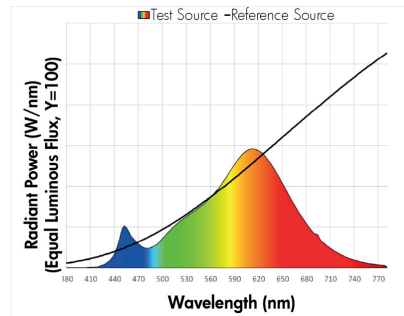
TM-30 - DWH

CCT	CIE		TM-30	
DWH Full Output	R_a	81	80	R_f
	R_9	22	99	R_g

DWH Spectral Power Distribution

lumenpulse™

1220 Marie-Victorin Blvd., Longueuil, QC, J4G 2H9, CAN | **T** 514.937.3003 | 1.877.937.3003 | info@lumenpulse.com
www.lumenpulse.com   www.lumenpulse.com/products/5249

LMPG Inc. reserves the right to make changes to this product at any time without prior notice and such modification shall be effective immediately.
2025.09.23 Copyright © 2025 LMPG Inc.
JC - R13

3 / 21
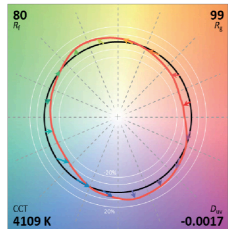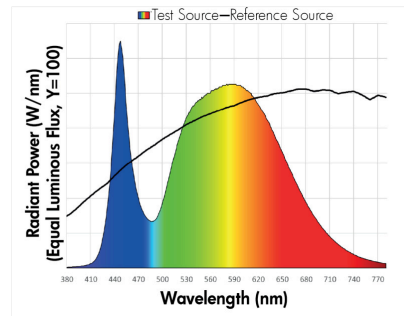
Mounting Options

SM - Surface Mount

SM - Mounting Hole Pattern

FEEDING CABLE
PASS-THROUGH HOLE
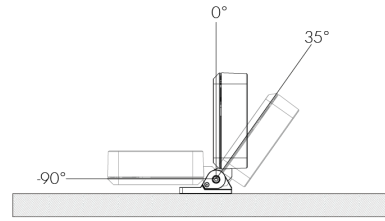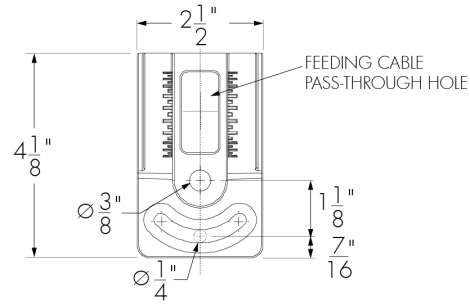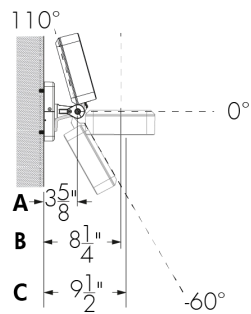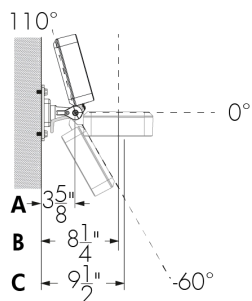
The SM mounting option cannot be interchanged with any other mounting option. All others mountings are interchangeable. Consult factory for details.

WM - Wall Mount Bracket with Decorative Cover

110°
0°
A → 3⅝"
B → 8¼"
C → 9½"
-60°

WMNC - Wall Mount Bracket Without Decorative Cover

110°
0°
A → 3⅝"
B → 8¼"
C → 9½"
-60°

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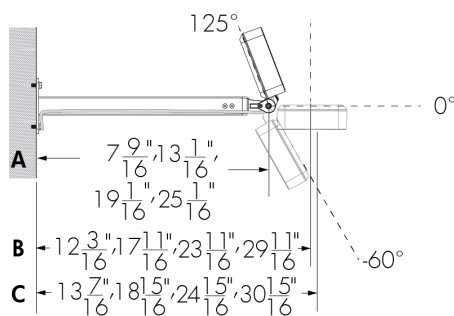
B - Dimension from wall to the geometric center of the fixture.

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

125°
0°
A
7 9/16", 13 1/16", 19 1/16", 25 1/16"
B ← 12 3/16", 17 11/16", 23 11/16", 29 11/16"
C ← 13 7/16", 18 15/16", 24 15/16", 30 15/16"
-60°
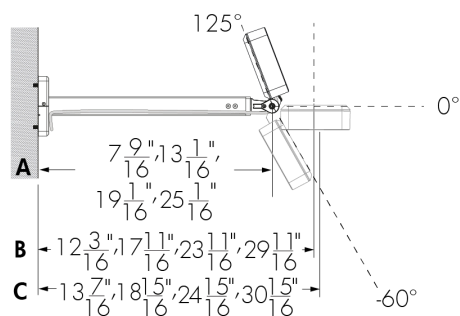
A cable length of 10 ft or greater must be specified for the WAM24 mounting option.

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

125°
0°
A
7 9/16", 13 1/16", 19 1/16", 25 1/16"
B ← 12 3/16", 17 11/16", 23 11/16", 29 11/16"
C ← 13 7/16", 18 15/16", 24 15/16", 30 15/16"
-60°

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

WMRJB - Recessed JBOX Wall Mount With Decorative Cover

110°
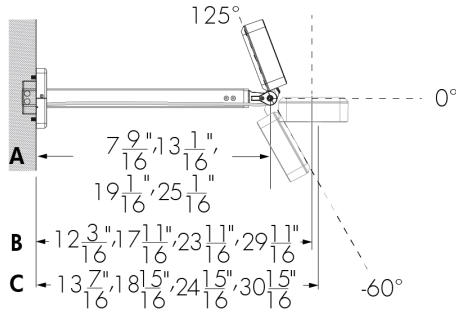0°
A → 3⅝"
B → 8¼"
C → 9½"
-60°
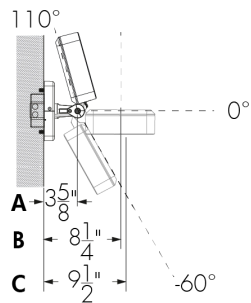
Fixture cable length is determined by Lumenpulse.

WMRJBNC - Recessed JBOX Wall Mount Without Decorative Cover
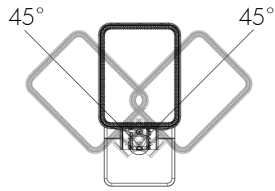
110°
0°
A → 3⅝"
B → 8¼"
C → 9½"
-60°
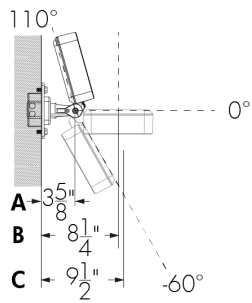
Fixture cable length is determined by Lumenpulse.

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

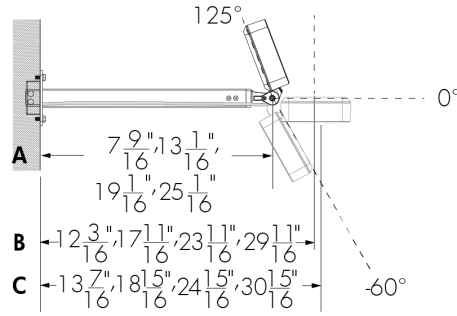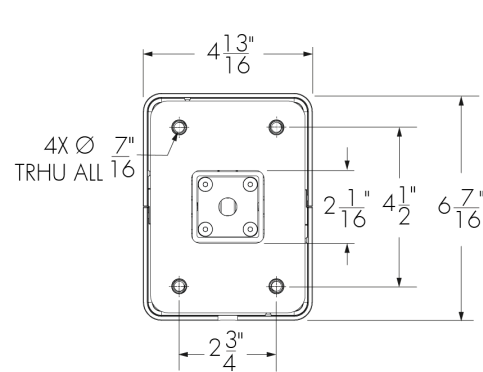

WAMRJBNC - Recessed JBOX Wall Arm Mount Without Decorative Cover 6 in, 12 in, 18 in or 24 in
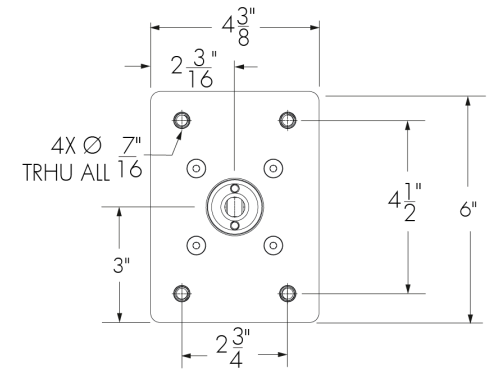

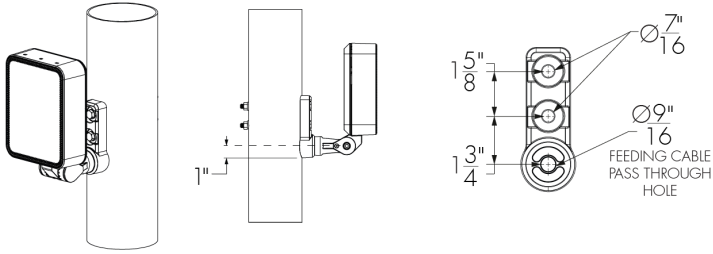**Wall Mount Horizontal Pivot Limits**

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.

Round Pole Mount Horizontal Pivot Limits

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.
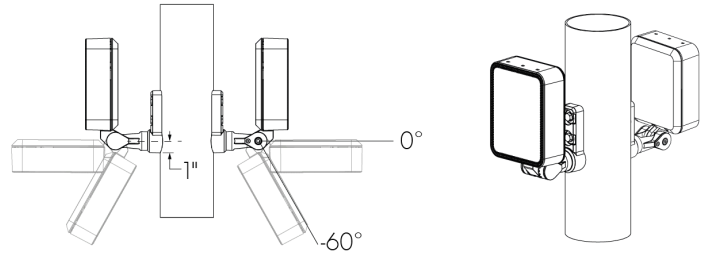Hardware included with accessory.
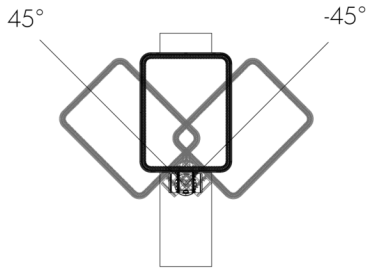
PLTU - Universal Yoke
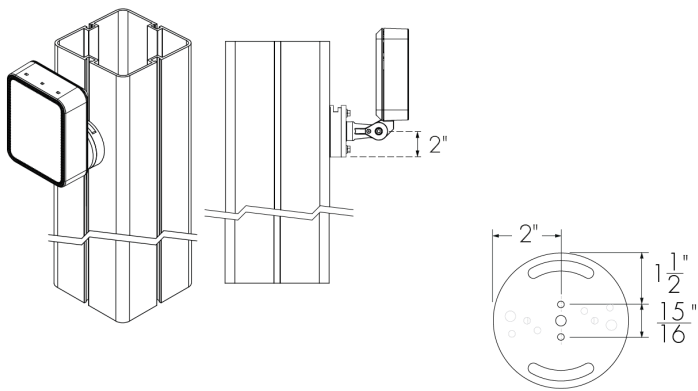
Refer to the Universal Yoke specification sheet and Pole nstallation instructions for more details. Square Lumentech profile shown.

All mounting options (except for SM mounting) are interchangeable. Consult factory for details.
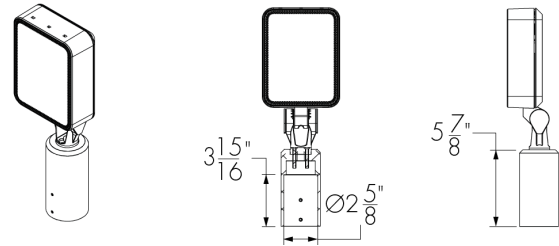
TN2 - Tenon Adapter For 2 3/8 in O.D. Pole

Vertical mounting only. Consult factory for horizontal mounting.

lumenpulse™

1220 Marie-Victorin Blvd., Longueuil, QC, J4G 2H9, CAN | **T** 514.937.3003 | 1.877.937.3003 | info@lumenpulse.com
www.lumenpulse.com   www.lumenpulse.com/products/5249

7 / 21

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

$3\frac{15}{16}$"

$\varnothing 4\frac{1}{8}$"

$5\frac{7}{8}$"
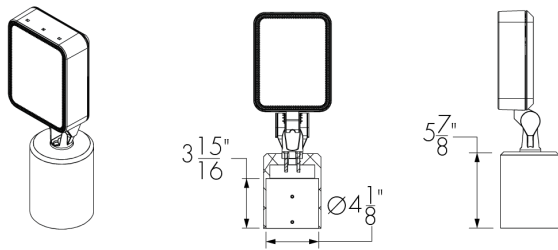
Vertical mounting only. Consult factory for horizontal mounting.

SK - Stake Mount
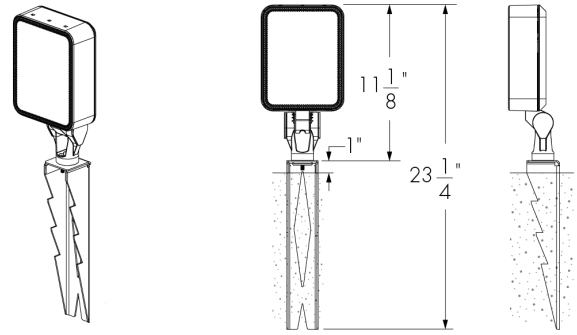
$11\frac{1}{8}$"

1"

$23\frac{1}{4}$"

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

STM - Stud Mount

$12\frac{1}{2}$"

$6\frac{9}{16}$"

$\varnothing 2\frac{5}{8}$"

PLATE THICKNESS
Minimum: 1/8in
Maximum: 1/2in

0°

-60°

1X Ø
TRHU ALL
1"

1"

$1\frac{5}{16}$"

0°

-60°

MOUNTING HOLE PATTERN

FEEDING CABLE

2"

$1\frac{5}{8}$"

$2\frac{5}{8}$"
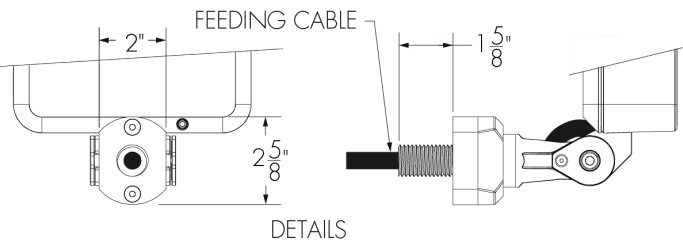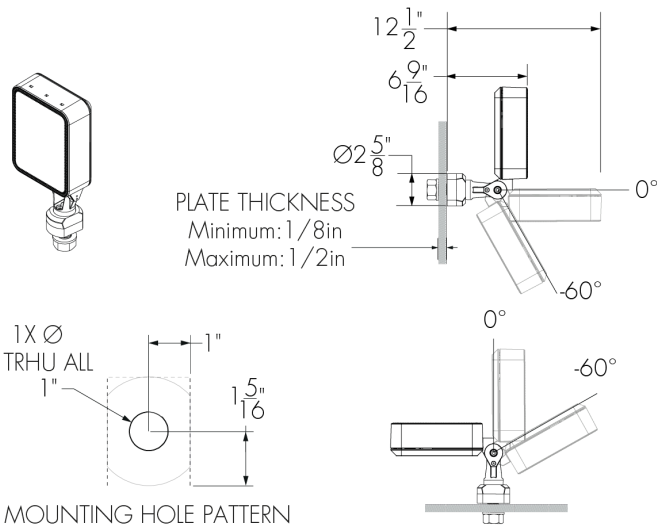
DETAILS

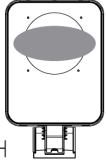Vertical or horizontal mounting

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

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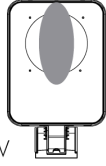
LSLH - Linear Spread Lens Horizontal Distribution
LSLV - Linear Spread Lens Vertical Distribution

LSLH   LSLV

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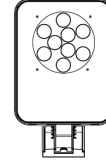
See 'Optical Accessories' section for field adjustable spread lens (LSLA).

	Beam angle with LSLH/LSLV
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.

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.

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

![lumenpulse™]

1220 Marie-Victorin Blvd., Longueuil, QC, J4G 2H9, CAN | **T** 514.937.3003 | 1.877.937.3003 | info@lumenpulse.com
www.lumenpulse.com   www.lumenpulse.com/products/5249

LMPG Inc. reserves the right to make changes to this product at any time without prior notice and such modification shall be effective immediately.
2025.09.23 Copyright © 2025 LMPG Inc.
JC - R13

9 / 21

Optical Accessories (Factory Installed, Order Separately)

Installed optical accessories will affect the maximum pivot limits for each mounting option, consult factory for details.
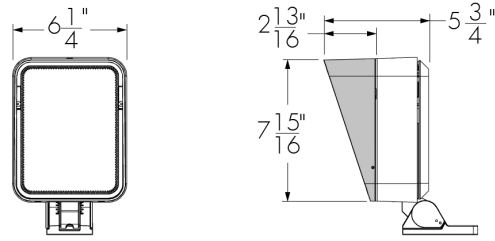
SN - Snoot
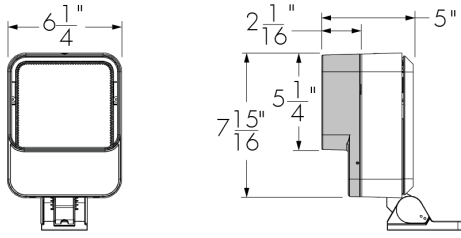
LQSSN-**FINISH**-BK-**OPTIONS** (CRC)
Interior surface painted black. Please specify the exterior **FINISH** from the list of finishes in the fixture order code.

VS - Visor

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

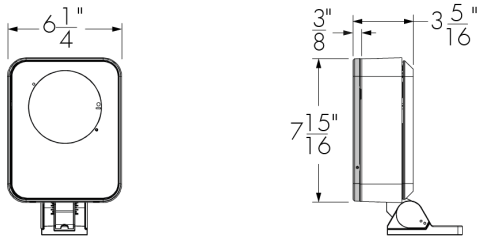The Visor is not recommended for the WW optic.

LSLA - Linear Spread Lens Adjustable

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

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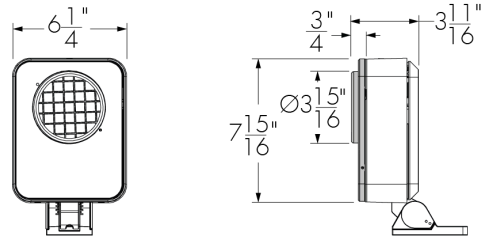
LQSWG-**FINISH**-**OPTIONS** (CRC)
Please specify the exterior **FINISH** from the list of finishes in the fixture order code.

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 LQSSNWG-BK-BK. A maximum of two accessories can be combined per fixture.

1220 Marie-Victorin Blvd., Longueuil, QC, J4G 2H9, CAN | **T** 514.937.3003 | 1.877.937.3003 | info@lumenpulse.com
www.lumenpulse.com   www.lumenpulse.com/products/5249

10 / 21

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

Diffuser Lens 1 (1 Notch)
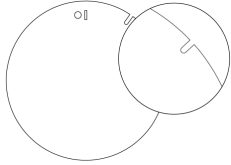
147695

Diffuser Lens 2 (2 Notches)
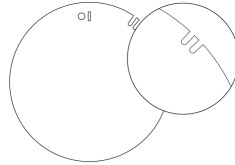
147696

Diffuser Lens 3 (3 Notches)
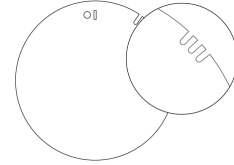
147697

Diffuser Lens 4 (4 Notches)
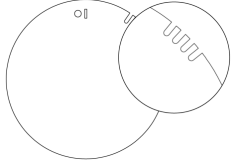
147698

Diffuser Lens 5 (5 Notches)
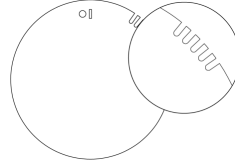
147699

Diffuser Lens 6 (6 Notches)
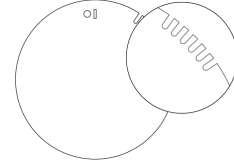
147700

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	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:** 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.

lumenpulse™

1220 Marie-Victorin Blvd., Longueuil, QC, J4G 2H9, CAN | **T** 514.937.3003 | 1.877.937.3003 | info@lumenpulse.com
www.lumenpulse.com   www.lumenpulse.com/products/5249

11 / 21

Control Boxes (Order Separately)

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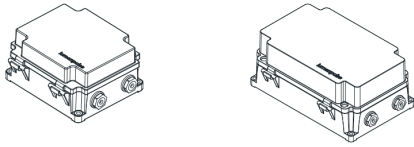
DMX/RDM control box. Up to six power and data outputs to fixtures or fixture runs. Consult CBX specification sheet and installation instructions for details. Lumenterminators provided with CBX (2x for Daisy Chain configuration, 6x for Star configuration), consult factory to order spares.

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.

LDB - Lumentalk Data Bridge

Lumentalk Data Bridge, 0-10V or DMX output. Consult LDB specification sheet for details.
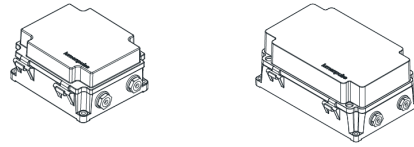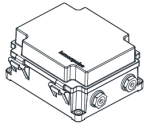
Control Systems (Order Separately)

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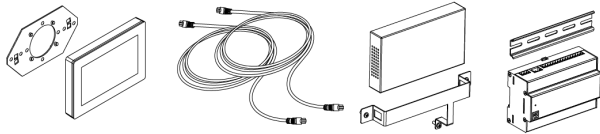
The Pharos Designer Lighting Contol Kit, available for 1 or 2 DMX universes, allows for complete control of large lighting installations.

EXPERT - Pharos® Expert Control Kit

The Pharos Expert Control Kit, available for 1, 2, 4 or 6 DMX universes, allows for complete control of large lighting installations.
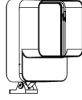
Diagnostic And Addressing Tools (Order Separately)

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.

lumenpulse™

1220 Marie-Victorin Blvd., Longueuil, QC, J4G 2H9, CAN | **T** 514.937.3003 | 1.877.937.3003 | info@lumenpulse.com
www.lumenpulse.com   www.lumenpulse.com/products/5249

EPA Guide

| | FIXTURE | | | MOUNTING OPTIONS* | | | |
	LQS	LQS with Snoot	LQS with Visor	WAM/WAMRJB			
				6	12	18	24
EPA Front (sq ft)	0.431	0.517	0.517	N/A	N/A	N/A	N/A
EPA Side (sq ft)	0.205	0.334	0.334	0.134	0.287	0.440	0.593
EPA Front 45° (sq ft)	0.409	0.592	0.592	N/A	N/A	N/A	N/A

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

lumenpulse™

1220 Marie-Victorin Blvd., Longueuil, QC, J4G 2H9, CAN | **T** 514.937.3003 | 1.877.937.3003 | info@lumenpulse.com
www.lumenpulse.com   www.lumenpulse.com/products/5249

LMPG Inc. reserves the right to make changes to this product at any time without prior notice and such modification shall be effective immediately.
2025.09.23 Copyright © 2025 LMPG Inc.
JC - R13

13 / 21

Typical Wiring Diagrams

Wiring Color Code

UL Color Code	USE
Green	Ground
Black	Line 120-277V AC
White	Line/Neutral
Red or Purple	0-10V / Data +
Orange	0-10V / Data -
Gray	Signal common (DMX/RDM only)

Lumentalk (LT)
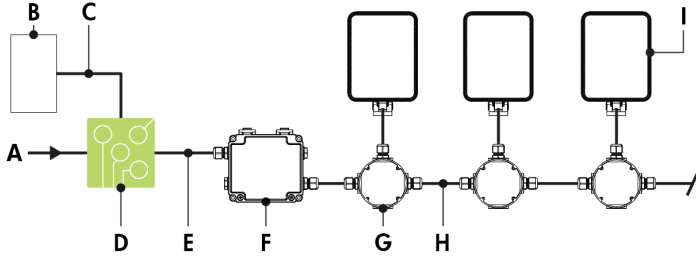
A - Power input (120-277V AC, wiring by others)
B - DMX/RDM controller (order separately from Lumenpulse, or by others)
C - Data wiring (by others)
D - Lumentranslator 2 (LTL2-DMX)
E - Power wiring (by others)
F - Lumentalk Data Bridge (LDB-DMX)
G - Junction box (by others)
H - Power and data wiring (by others)
I - Lumenquad Small

Lumentalk (LT) - Wiring Detail Using LDB
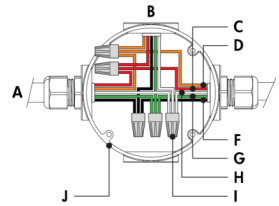
A - From Lumentalk Data Bridge (control over power line via Lumentalk system) or from previous fixture
B - To fixture
C - 0-10 V + / Data +
D - 0-10 V - / Data -
E - To next fixture
F - Line
G - Ground
H - Line/Neutral
I - Wire-nut (by others)
J - Junction box (by others)

- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- Lumentalk Data Bridge required for Lumentalk system, see LDB installation instructions for details. Fixtures must be specified as DMX/RDM and the Lumentalk Data Bridge must be specified as DMX. 2-step commissioning process: 1 - DMX/RDM system using LumenID software and a LID, 2 - Lumentalk system using LumentalkID software and a LID. Consult factory for details.
- Maximum of 32 fixtures per LDB-DMX. Consult factory for details.
- 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.
- Maximum of 1 transmitter (Lumentranslator or Lumenlink) per system.
- No third party fixtures allowed on the same circuit.
- 14 watts per fixture.

Dim to Warm Via 0-10V (DIM/DTW*)
***Available For DWW Version Only, 2700K to 2200K**
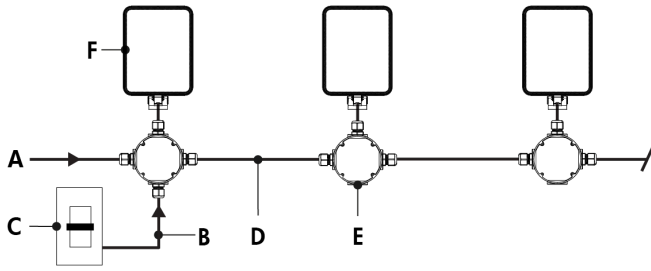
A - Power input (120-277V, wiring by others)
B - Data wiring (by others)
C - Dimmer (by others)
D - Power and data wiring (by others)
E - Junction box (by others)
F - Lumenquad Small

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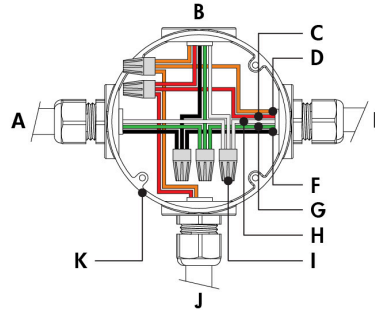
A - Power input or from previous fixture
B - To fixture
C - 0-10 V +
D - 0-10 V -
E - To next fixture
F - Line
G - Ground
H - Neutral
I - Wire-nuts (by others)
J - From dimmer (by others)
K - Junction box (by others)

- 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.
- 14 watts per fixture.

Star Layout (Dim to Warm Via DMX/RDM1* or 3-Channel DMX/RDM)
*Available For DWW Version Only, 2700K To 2200K
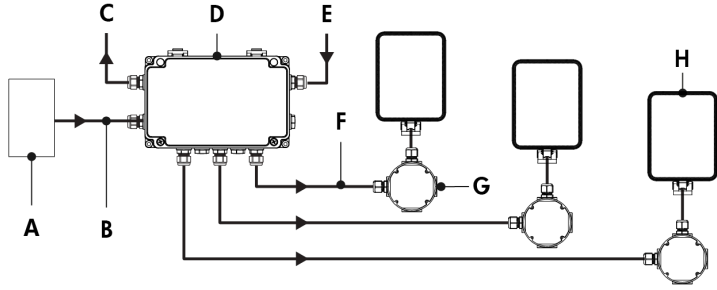
A - DMX/RDM controller (order separately from Lumenpulse, or by others)
B - Data input (Belden 9841 or equivalent, by others)
C - Data output to next CBX (optional, not isolated/not boosted)
D - CBX-ST
E - Power input (120-277V, wiring by others)
F - Power and data output to fixture (wiring by others)
G - Junction box (by others)
H - Lumenquad Small

Star Layout (DMX/RDM1 or 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)
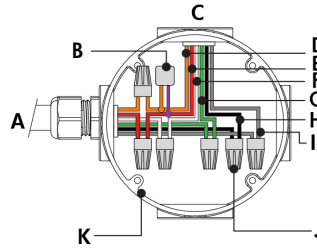
Maximum Fixture Count

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**
LQS	32	32	32	32

Based on 15A maximum, 16AWG cable, fixtures spaced 10 ft on center, first fixture 50 ft from CBX.

- Consult 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.
- DMX/RDM1 control option requires 1 DMX address. DMX/RDM control option requires 3 DMX addresses.
- DMX terminator is required at the end of each run to maintain data integrity. Six (6x) DMX lumenterminators included per CBX-ST. See installation instructions for details.
- 14 watts per fixture.

Daisy Chain Layout (Dim to Warm Via DMX/RDM1* or 3-Channel DMX/RDM)
*Available for DWW Version Only, 2700K to 2200K
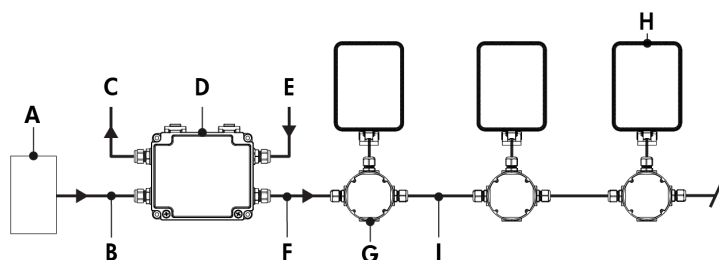
A - DMX/RDM controller (order separately from Lumenpulse, or by others)
B - Data input (Belden 9841 or equivalent, by others)
C - Data output to next CBX (optional, not isolated/not boosted)
D - CBX-DS
E - Power input (120-277V, wiring by others)
F - Power and data output to fixture (wiring by others)
G - Junction box (by others)
H - Lumenquad Small
I - Power and data wiring (by others)

Maximum Fixture Count

| Maximum number of fixtures per run (Based on15A maximum, 16AWG cable, fixtures spaced 10ft on center, first fixture 50ft from CBX)				
Configuration/Voltage	**120V**	**208V**	**240V**	**277V**
LQS	32	32	32	32

Daisy Chain Layout (DMX/RDM1 or 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/RDM1 or DMX/RDM) - Wiring Detail (End of Run)
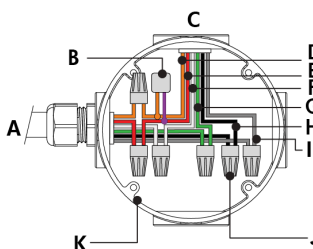
A - From CBX or previous fixture
B - Lumenterminator*
C - To fixture
D - Data -
E - Data +
F - Neutral
G - Ground
H - Line
I - Signal common
J - Wire-nuts (by others)
K - Junction box (by others)

Based on 15A maximum, 16AWG cable, fixtures spaced 10 ft on center, first fixture 50 ft from CBX.

- Consult 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.
- DMX/RDM1 control option requires 1 DMX address. DMX/RDM control option requires 3 DMX addresses.
- DMX terminator is required at the end of each run to maintain data integrity. Two (2x) DMX lumenterminators included per CBX-DS. See installation instructions for details.
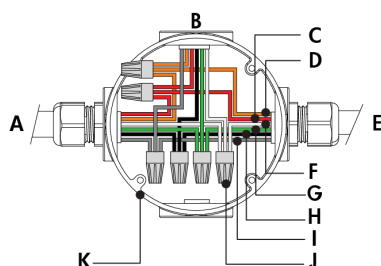- 14 watts per fixture.

DALI 2 T8 (DALIT8)
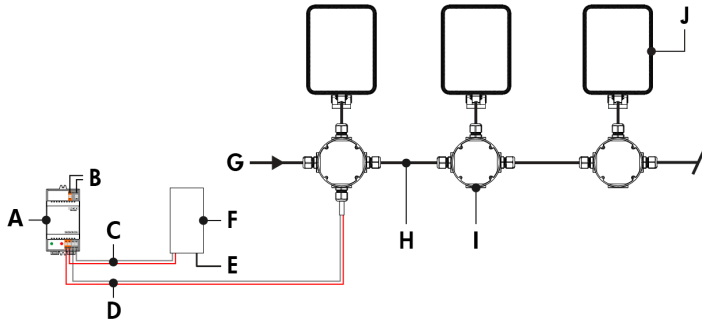
A - DALI bus power supply (by others)
B - Power input for DALI bus power supply (wiring by others)
C - Data output to DALI controller (wiring by others)
D - Data output to fixture (wiring by others)
E - Power input for DALI controller (if required, wiring by others)
F - DALI controller (by others)
G - Power input (120-277V AC, wiring by others)
H - Power and data wiring (by others)
I - Junction box (by others)
J - Lumenquad Small

DALI 2 T8 (DALIT8) - Wiring Detail
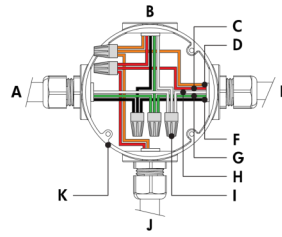
A - Power input or from previous fixture
B - To fixture
C - DA +
D - DA -
E - To next fixture
F - Line
G - Ground
H - Neutral
I - Wire-nut (by others)
J - From DALI controller (by others)
K - Junction box (by others)

- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- Maximum of 64 DALI fixtures per DALI loop.
- The Lumenbeam responds to RGBWAF controls.
- Commissioning may be required based on the selection of 3rd party DALI controller. Controller and commissioning provided by others.
- 14 watts per fixture.

How to Order

Housing	Voltage [2]	Color and Color Temperature	Optic	Optical Option [4]	Mounting Options [6]
LQS Lumenquad Small [1]	**120** 120 Volts **208** 208 Volts **220** 220 Volts **240** 240 Volts **277** 277 Volts	**DWW** Dynamic Warm White (2200K to 3000K) **DWH** Dynamic White (2700K to 6500K)	**VN** Very Narrow 6° [3] **NS** Narrow Spot 10° [3] **NF** Narrow Flood 20° [3] **M** Medium 30° [3] **FL** Flood 40° [3] **WFL** Wide Flood 60° [3] **VWFL** Very Wide Flood 90° [3] **NAS** Narrow Asymmetric [3] **WW** Asymmetric Wallwash [3]	**LSLH** Linear Spread Lens Horizontal Distribution [5] **LSLV** Linear Spread Lens Vertical Distribution [5] **HL** Honeycomb Louver [5]	**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 [7] **WAM24NC** Wall Arm Mount 24 in without Decorative Cover [7] **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 [8] **TN2** Tenon Adapter for 2 3/8 in O.D. Pole **TN4** Tenon Adapter for 4 in O.D. Pole

| | | | | | **SK**
Stake Mount | |
| | | | | | **STM**
Stud mount [9] | |

Notes:

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

2. Consult factory for 100 volts.

3. Factory installed, not interchangeable on site.

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

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

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

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

8. 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.

9. For thru-wall mounting.

How to Order

Finish	**Control** [13] [15]	**Option**	**Certification**	**Cable Length** [17] [22] [24]
BK Black Sandtex® **BRZ** Bronze Sandtex® **SI** Silver Sandtex® **WH** Smooth White **BKTX** Textured Black **BRZTX** Textured Bronze Non-Metallic **GRATX** Textured Medium Gray **GRNTX** Textured Green **WHTX** Textured White **CC** Custom Color & Finish [10] [11] [12]	**DIM/DTW** Dim to Warm via 0-10V (2700K to 2200K) [14] **DMX/RDM1** Dim to Warm via Single-Channel DMX/RDM (2700K to 2200K) [14] [16] [17] **DMX/RDM** 3-Channel Color Temperature Control via DMX/RDM [16] [17] **DALIT8** DALI 2 T8 Enabled Dimming 0.1% [18]	**CRC** Corrosion-Resistant Coating [19] [20]	**UL** UL Compliant **CE** CE Compliant [21]	**3FT** 3 ft [17] [23] **10FT** 10 ft **20FT** 20 ft **30FT** 30 ft **50FT** 50 ft **70FT** 70 ft **100FT** 100 ft

Notes:

10. 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.

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

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

13. Lumentalk system is enabled with LDB-DMX accessory, DMX/RDM must be specified in the order code. See the typical wiring diagrams in the specification sheet for details.

14. Available for DWW color temperature option only.

15. A Lumentranslator 2 (LTL2) and LumenID (LID) must be specified for Lumentalk applications. Consult Lumentranslator 2 and Lumentalk pages and specification sheets for details.

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

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

18. DALI 2 T8 controller required, provided by others. DALI2 T8 control uses a single DALI short address.

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 European specification sheet and installation instructions for CE wiring information.

22. 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.

23. Not available with WAM24 or WAM24NC mounting options.

24. 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.