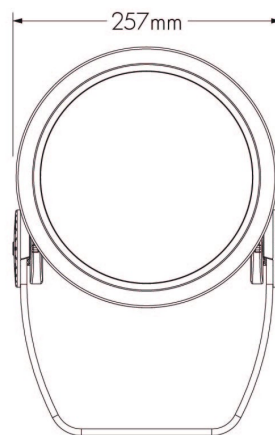
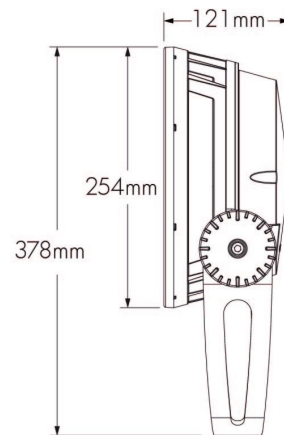


Project Name Qty Type C Catalog / Part Number 

Front view



Side view

Photometric Summary

Symmetric

	Delivered output (lm)	Intensity (peak cd)
VN (6°)	2402	125,148
NS (10°)	2572	91,221
NF (20°)	2541	23,829
M (30°)	2323	10,502
FL (40°)	2190	5407
WFL (60°)	1817	1886

Asymmetric

NAS	2672	41,158 (@2.5°)
WW	2213	9834 (@5°)

Based on RGBV40K full output, DMX/RDM configuration.
Photometric performance is measured in compliance with IESNA LM-79-08.

Optics



VN - 6° NS - 10° NF - 20° M - 30°



FL - 40° WFL - 60° NAS WW

Colours and Colour Temperatures



Controls



DALI8

Description

The Lumenbeam Large Colour Changing is an IP66-rated luminaire for lighting landscapes, trees, columns, monuments, and architectural details. The system offers numerous options including optics for flood or accent lighting, a choice of RGB, RGBW, or RGBA colour mixing, various accessories, spread lenses, and controls, as well as Legacy or Custom output modes.

Features

Colour and Colour Temperature	Additive RGB, Additive RGB + white 3000K, Additive RGB + white 4000K, Additive RGB + amber
Optics (nominal distribution)	VN (6°), NS (10°), NF (20°), M (30°), FL (40°), WFL (60°), NAS (Narrow Asymmetric), WW (Asymmetric Wallwash)
Optical Option	Linear spread lens horizontal distribution, Linear spread lens vertical distribution
Options	Short Yoke, 3G ANSI C136.31-2010 Vibration Rating for bridge applications, Corrosion-resistant coating for hostile environments
Cable Colour	Black, White
Power Consumption	50 W
Warranty	5-year limited warranty
Performance	
Maximum Delivered Output	2,664 lm (RGB full output, NAS @ 2.5°, DMX/RDM), 2,619 lm (RGBW30K full output, NAS @ 2.5°, DMX/RDM), 2,672 lm (RGBW40K full output, NAS @ 2.5°, DMX/RDM), 2,168 lm (RGBA full output, NAS @ 2.5°, DMX/RDM)
Maximum Delivered Intensity	124,768 cd at nadir (RGBA full output, VN 6°, DMX/RDM), 122,645 cd at nadir (RGBW30K full output, VN 6°, DMX/RDM), 125,148 cd at nadir (RGBW40K full output, VN 6°, DMX/RDM), 101,519 cd at nadir (RGBA full output, VN 6°, DMX/RDM)

Ratings

IP66 IK10

Certifications**Illuminance at Distance**

Minimum 1 fc at 107.6 m (RGB full output, VN 6°, DMX/RDM),
Minimum 1 fc at 106.7 m (RGBW30K full output, VN 6°, DMX/RDM), Minimum 1 fc at 107.9 m (RGBW40K full output, VN 6°, DMX/RDM), Minimum 1 fc at 97.2 m (RGBA 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 aluminium

Yoke Material

Heavy aluminium (standard yoke included)

Lens Material

Clear tempered glass

Hardware Material

Stainless steel

Gasket Material

Silicone

Surface Finish

Electrostatically applied polyester powder coat

Weight

5.44 kg

EPA

Front = 0.06 sq m, Side = 0.02 sq m

Electrical and control**Voltage**

100 to 277 volts

Fixture Cable

Power and data in one cable

Conductors

3C #16-3 (LT control), 5C #16-5 (DALI8 control), 6C #14-3/ #24-3 (DMX/RDM control)

Control

Lumentalk, DMX/RDM enabled, DALI-2 dimming Type 8

Resolution (DMX/RDM)

Per fixture, 8-bit or 16-bit, 3 channels (RGB) or 4 channels (RGBW30K, RGBW40K and RGBA)

RGB Colour Mixing

36 LEDs (12x Red, 12x Green, 12x Blue)

RGBW30K Colour Mixing

28 LEDs (7x Red, 7x Green, 7x Blue, 7x White 3000K)

RGBW40K Colour Mixing

28 LEDs (7x Red, 7x Green, 7x Blue, 7x White 4000K)

RGBA Colour Mixing

28 LEDs (7x Red, 7x Green, 7x Blue, 7x Amber)

Environmental**Storage Temperature**

-40 °C to 70 °C (device must reach start-up temperature value before operating)

Start-up Temperature

-25 °C to 50 °C

Operating Temperature

-40 °C to 50 °C

Ingress Protection Rating

IP66, Wet location rated

Impact Resistance Rating

IK10

Accessories (order separately)**Optical Accessories**

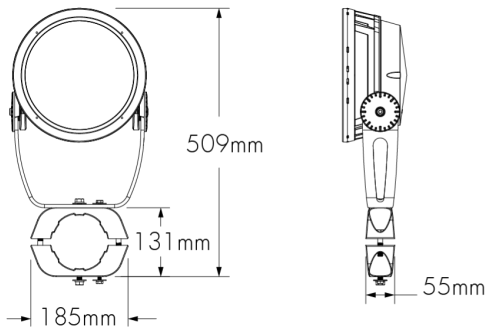
Snoot, Snoot wide, Visor, Linear Spread Lens Adjustable, Wire guard

Control Boxes

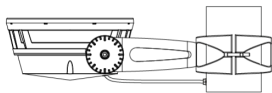
DMX/RDM enabled (daisy chain or star configuration), Ethernet enabled (daisy chain or star configuration)

Mounting accessories (order separately)

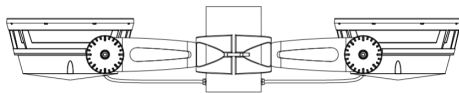
Round pole mounting accessory



PM4 model shown. Consult factory for square pole section.



PM4-1, PM4.5-1, PM5-1 - Round pole mounting accessory - single fixture

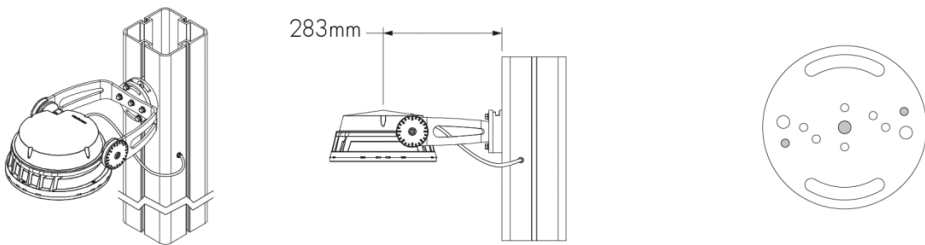


PM4-2, PM4.5-2, PM5-2 - Round pole mounting accessory - twin fixtures
*One bracket assembly is supplied per 2 fixtures unless otherwise specified.

	PM4	PM4.5	PM5
For pole Ø	101.6mm ± 1.6mm	114.3mm ± 1.6mm	127mm ± 1.6mm

Consult factory for other pole diameters.

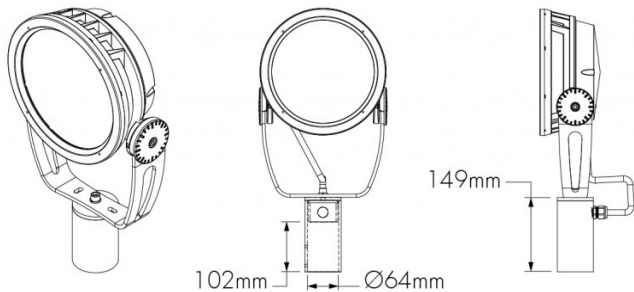
UY - Universal yoke for Lumentech pole



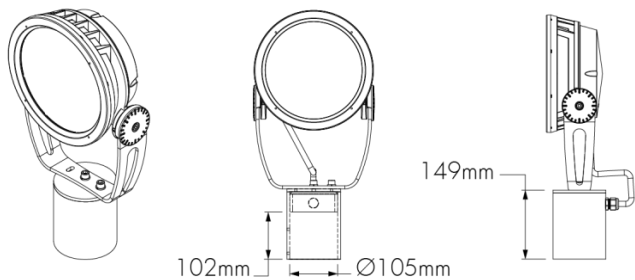
Square Lumentech profile shown. Refer to Lumentech specification sheet and installation instructions for more details.

The mounting holes used for this fixture are shown in grey.

Tenon adapter



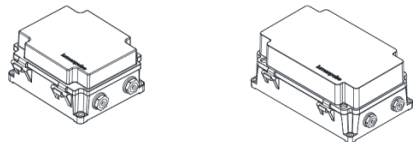
TN2 - Tenon adapter to fit on 60 mm O.D. tenon
Vertical mounting only. Consult factory for horizontal mounting.



TN4 - Tenon adapter to fit on 102 mm O.D. tenon
Vertical mounting only. Consult factory for horizontal mounting.

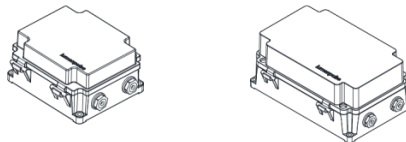
Control boxes (order separately)

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



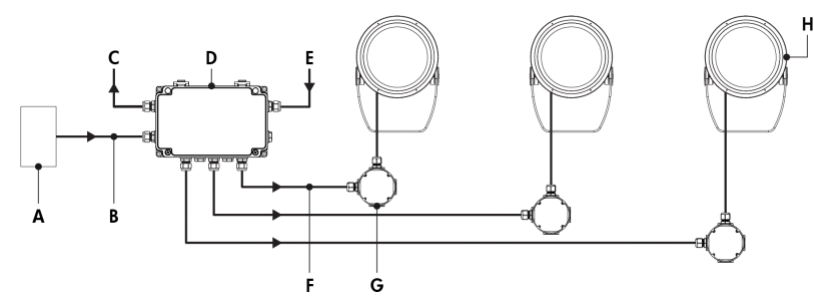
LumenID is a diagnostic and addressing DMX/RDM tool. It must be specified on all DMX applications. Consult LID specification sheet for details.

LID-LT - LumentalkID



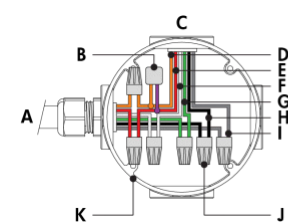
LumentalkID is a diagnostic and addressing tool. It must be specified for all Lumentalk (LT) applications. Consult LID-LT specification sheet for details.

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 AC, wiring by others)
- F - Power and data output to fixture (wiring by others)
- G - Junction box (by others)
- H - Lumenbeam Large

Star Layout (DMX/RDM) - wiring detail



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

Maximum fixture count per run

Configuration/Voltage	120V	208V	240V	277V
LBL	18	28	32	32

Based on 15A maximum, 16AWG cable, fixtures spaced 3 m on centre, first fixture 15.2 m 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.
- RGB colour mixture option requires 3 DMX addresses. RGBW30K and RGBW40K colour mixture options require 4 DMX addresses. RGBA colour mixture option requires 4 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.
- 50 watts per fixture.

How to order

Housing	Voltage	Colour and Colour Temperature	Optics	Optical Option (3) (5)	Finish	Control	Options	Certification	Cable Length (12) (17)	Cable Colour
LBL Lumenbeam™ Large	100 100 volts	RGB Additive RGB	VN Very Narrow 6° (2)	LSLH Linear spread lens horizontal distribution (4)	BK Black Sandtex®	LT Lumentalk (9) (10)	SY Short Yoke	UL UL compliant	3FT 0.9 m (12) (17)	BK Black
	120 120 volts	RGBW30K Additive RGB + white 3000K (1)	NS Narrow Spot 10° (2)	LSLV Linear spread lens vertical distribution (4)	BRZ Bronze Sandtex®	DMX/RDM DMX/RDM enabled (11) (12)	3GV 3G ANSI C136.31-2010 Vibration Rating for bridge applications	CE CE compliant (14)	10FT 3 m	WH White (18)
	208 208 volts	RGBW40K Additive RGB + white 4000K (1)	NF Narrow Flood 20° (2)		SI Silver Sandtex®	DALI8 DALI-2 dimming Type 8 (13)		CEII CE compliant Class II double insulated (14)	20FT 6.1 m	
	220 220 volts	RGBA Additive RGB + amber	M Medium 30° (2)		WH Smooth white		CRC Corrosion-resistant coating for hostile environments (14) (15)		30FT 9.1 m	
	240 240 volts		FL Flood 40° (2)		BKTX Textured black				50FT 15.2 m	
	277 277 volts		WFL WF 60° (2)		BRZTX Textured bronze non-metallic				70FT 21.3 m	
			NAS Narrow Asymmetric (2)		GRATX Textured medium grey				100FT 30.5 m	
			WW Asymmetric Wallwash (2)		GRNTX Textured green					
					WHTX Textured white					
					CC Custom colour and finish (please specify RAL colour) (6) (7) (8)					

- Notes:
1. 2700K, 3500K and Royal Blue available, consult factory. Longer lead times apply.
2. Factory installed, not interchangeable on site.
3. Optical options are factory installed and cannot be changed in the field.
4. Field adjustable spread lens optical accessory available, order separately.
5. Not available with WFL, NAS and WW optics.
6. Lumenpulse offers a wide selection of RAL CLASSIC (K7) colours with a smooth texture and high-gloss finish. Please consult factory for a list of available K7 colours, other RAL textures and glosses, or to match alternate colour charts. Final colour matching results may vary.
7. Setup charges apply for RAL colours. Consult factory for details.
8. Longer lead times can be expected for custom RAL colour finishes.
9. A Lumentranslator 2 (LTL2) and LumentakID (LIDLIT) must be specified for Lumentalk applications. Consult Lumentranslator 2 and Lumentalk pages and specification sheets for details.
10. Not available with Class II double insulated option.
11. A control box (CBX) and LumenID (LID) must be specified.
12. Maximum of 3 ft cable length for daisy chain DMX applications with CBX-DS.
13. DALI-2 Type 8 controller required, provided by others.
14. Use only when exposed to salt spray. This option is not required for normal outdoor exposure.
15. Setup charges apply. Consult factory for details.
16. Consult European specification sheets and installation instructions for CE and CE Class II wiring information.
17. 3 ft cable length is standard unless otherwise specified.
18. Not available with CE or CEII certification options.