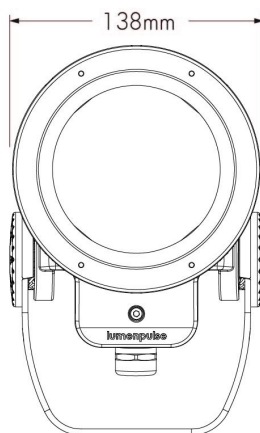
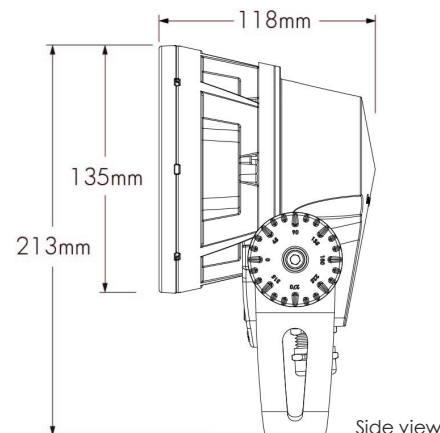


Project Name _____ Qty _____

Type **B** Catalog / Part Number _____

Front view



Side view

Photometric Summary

Symmetric

	Delivered output (lm)	Intensity (peak cd)
VN (6°)	667	32,077
NS (10°)	642	22,388
NF (20°)	587	4979
M (30°)	563	2599
FL (40°)	546	1549
WFL (60°)	444	360

Asymmetric

NAS	599	9552 (@2.5°)
WW	550	2437 (@5°)

Based on RGB 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

DMXRdm DALI8

Ratings

IP66 IK07

Description

The Lumenbeam Small Colour Changing is a compact, IP66-rated luminaire for lighting landscapes, trees, columns, monuments, and architectural details. The system offers numerous options, including optics for flood or accent lighting, various accessories, spread lenses, and controls, as well as Legacy or Custom output modes.

Features

Colour and Colour Temperature	Additive RGB
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
Mounting Option	Stake Mounting, Knuckle Mounting, Canopy mounting option (for mounting on a standard round junction box)
Options	3G ANSI C136.31-2010 Vibration Rating for bridge applications, Corrosion-resistant coating for hostile environments
Cable Colour	Black, White
Power Consumption	14 W
Warranty	5-year limited warranty

Performance

Maximum Delivered Output	667 lm (RGB full output, VN 6°, DMX/RDM)
Maximum Delivered Intensity	32,077 cd at nadir (RGB full output, VN 6°, DMX/RDM)
Illuminance at Distance	Minimum 1 fc at 54.6 m (RGB 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

Certifications



Lens Material	Clear tempered glass
Hardware Material	Stainless steel
Gasket Material	Silicone
Surface Finish	Electrostatically applied polyester powder coat
Weight	2.36 kg
EPA	Front = 0.02 sq m, Side = 0.01 sq m

Electrical and control

Voltage	100 to 277 volts
Fixture Cable	Power and data in one cable
Conductors	5C #16-5 (DALI8 control), 6C #14-3/ #24-3 (DMX/RDM control)
Control	DMX/RDM enabled, DALI-2 dimming Type 8, Lumentalk system is enabled with LDB accessory - see typical wiring diagrams for details
Resolution (DMX/RDM)	Per fixture, 8-bit or 16-bit, 3 channels (RGB)
RGB Colour Mixing	9 LEDs (3x Red, 3x Green, 3x Blue)

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	IK07

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	Lumentone™ 2, Pharos® kit
Diagnostic and Addressing Tools	LumenID, LumentalkID

Optical options

LSLH - Linear spread lens horizontal distribution



LSLV - Linear spread lens vertical distribution



Beam angles

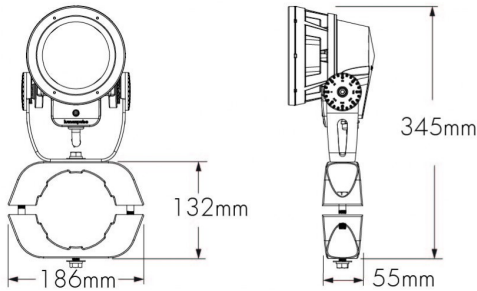
Optic installed in fixture	Beam angle with LSLH/LSLV
VN	7° x 60°
NS	13° x 66°
NF	16° x 62°
M	23° x 65°
FL	33° x 70°

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

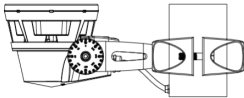
Factory installed, not adjustable on site. Not available for WFL, NAS and WW optics.
See 'Optical Accessories' section for field adjustable spread lens (LSLA).

Mounting accessories (order separately)

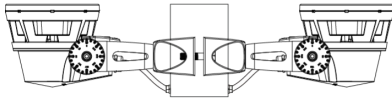
Round pole mounting accessory



PM4 model shown.
Consult factory for square pole section.



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

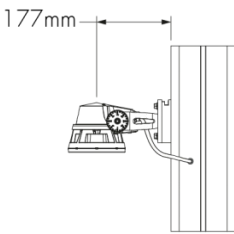
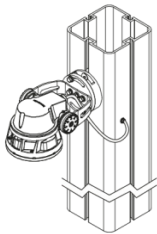


PM4-2, PM4.5-2, PM5-2 - Round pole mounting accessory - twin fixtures
*One bracket assembly is supplied per 2 fixtures unless otherwise specified.

	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



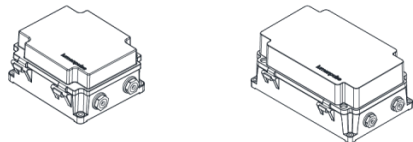
Square Lumentech profile shown. Refer to Lumentech specification sheet and installation instructions for more details.



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

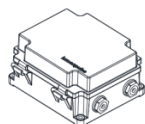
Control boxes (order separately)

CBX-DMX/RDM - DMX/RDM enabled (daisy chain or star configuration)



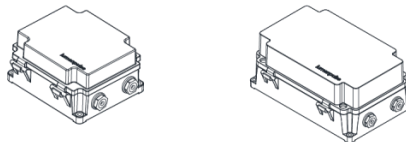
DMX/RDM control box. Up to six power and data outputs to fixtures or fixture runs. Consult CBX specification sheet and installation instructions for details. Lumenterminators provided with CBX (2x for daisy chain configuration, 6x for star configuration), consult factory to order spares.

LDB - Lumentalk Data Bridge



Lumentalk Data Bridge, 0-10V or DMX output. Consult LDB specification sheet for details.

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



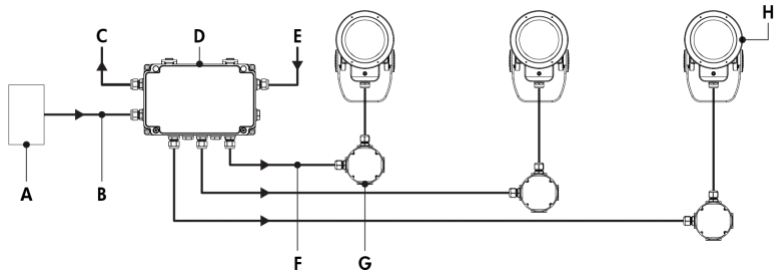
LumenID is a diagnostic and addressing DMX/RDM tool. It must be specified on all DMX applications. Consult LID specification sheet for details.

LID-LT - LumentalkID



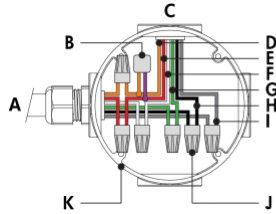
LumentalkID is a diagnostic and addressing tool. It must be specified for all Lumentalk (LT) applications. Consult LID-LT specification sheet for details.

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 (by others)
- G - Junction box (by others)
- H - Lumenbeam Small

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
LBS	32	32	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.
- Each fixture 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.

How to order

Housing	Voltage	Colour and Colour Temperature ⁽¹⁾	Optics	Optical Option ⁽³⁾ ⁽⁵⁾	Finish	Control ⁽⁹⁾ ⁽¹²⁾	Mounting Option ⁽¹⁴⁾	Options	Certification	Cable Length ⁽¹¹⁾ ⁽²⁰⁾	Cable Colour
LBS Lumenbeam™ Small	100 100 volts 120 120 volts 208 208 volts 220 220 volts 240 240 volts 277 277 volts	RGB Additive RGB	VN Very Narrow 6° ⁽²⁾ NS Narrow Spot 10° ⁽²⁾ NF Narrow Flood 20° ⁽²⁾ M Medium 30° ⁽²⁾ FL Flood 40° ⁽²⁾ WFL WF 60° ⁽²⁾ NAS Narrow Asymmetric ⁽²⁾ WW Asymmetric Wallwash ⁽²⁾	LSLH Linear spread lens horizontal distribution ⁽⁴⁾ LSLV Linear spread lens vertical distribution ⁽⁴⁾	BK Black Sandtex® BRZ Bronze Sandtex® SI Silver Sandtex® WH Smooth white BKTX Textured black BRZTX Textured bronze non-metallic GRATX Textured medium grey GRNTX Textured green WHTX Textured white CC Custom colour and finish (please specify RAL colour) ⁽⁶⁾ ⁽⁷⁾ ⁽⁸⁾	DMX/RDM DMX/RDM enabled ⁽¹⁰⁾ ⁽¹¹⁾ DALIT8 DALI-2 dimming Type 8 ⁽¹³⁾	SK Stake Mounting KN Knuckle Mounting CN Canopy mounting option PM5-1	3GV 3G ANSI C136.31-2010 Vibration Rating for bridge applications ⁽¹⁵⁾ CRC Corrosion-resistant coating for hostile environments ⁽¹⁶⁾ ⁽¹⁷⁾	UL UL compliant CE CE compliant ⁽¹⁸⁾ ⁽¹⁹⁾ CEII CE compliant Class II double insulated ⁽¹⁸⁾	3FT 0.9 m ⁽¹¹⁾ ⁽²⁰⁾ 10FT 3 m 20FT 6.1 m 30FT 9.1 m 50FT 15.2 m 70FT 21.3 m 100FT 30.5 m	BK Black WH White ⁽²¹⁾

Notes:

- Consult factory for colour mix with Royal Blue.
- Factory installed, not interchangeable on site.
- Optical options are factory installed and cannot be changed in the field.
- Field adjustable spread lens optical accessory available, order separately.
- Not available with M, WFL, NAS and WW optics.
- 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.
- Setup charges apply for RAL colours. Consult factory for details.
- Longer lead times can be expected for custom RAL colour finishes.
- 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.
- A control box (CBX) and LumenID (LID) must be specified.
- Maximum of 3 ft cable length for daisy chain DMX applications with CBX-DS.
- A Lumentranslator 2 (LTL2) and LumentalkID (LIDLT) must be specified for Lumentalk applications. Consult Lumentranslator 2 and Lumentalk pages and specification sheets for details.
- DALI-2 Type 8 controller required, provided by others.
- The standard yoke is provided unless an alternate mounting option is specified as part of the order code.
- 3GV option is available for standard yoke mounting only.
- Use only when exposed to salt spray. This option is not required for normal outdoor exposure.
- Setup charges apply. Consult factory for details.
- Consult European specification sheets and installation instructions for CE and CE Class II wiring information.
- Not available with DALIT8 control option.
- 3 ft cable length is standard unless otherwise specified.
- Not available with CE or CEII certification options.