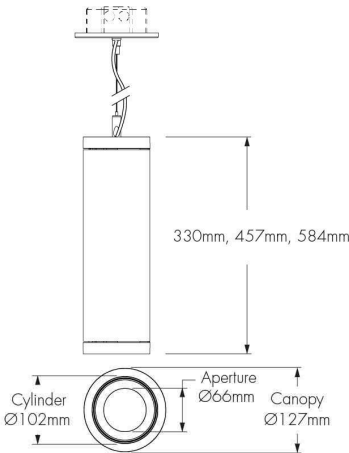


Project Name

Qty

Type

Catalog / Part Number



Front view

Bottom view

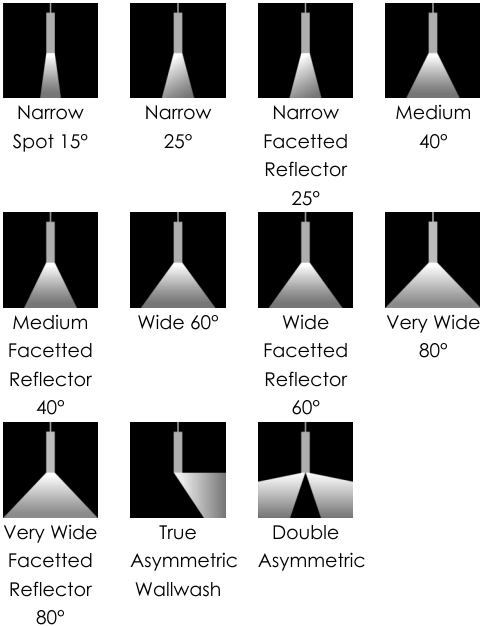
Photometric Summary

Based on Narrow Optic (Nominal 25°),  
MRGBWP in Optidrive™ (White 3000K CRI 96+)

Nominal output [lm]	Delivered output [lm]	Power (120V) [W]	Efficacy [lm/W]	Power (277V) [W]	Efficacy [lm/W]
700	490	11	45	11	45
1000	791	16	49	16	49
1300	1,089	23	47	23	47

<sup>1</sup>. Consult website for latest IES files.  
<sup>2</sup>. Photometric performance is measured in compliance with IESNA LM-79-24.

Optics




Description

The Lumencore Cylinder Opticolor+ Small Pendant is a high-performance LED luminaire designed for commercial, residential, or hospitality environments. This versatile three-in-one fixture combines Dynamic RGBW Colours, Dynamic White with Dim-to-Warm, and Premium Static White, delivering the exceptional quality and precision Lumenpulse is known for. Available in a variety of finishes—or custom colour options—it adapts beautifully to any space. Accessories, beam angle, and optics can be easily adjusted in the field for on-site flexibility.


Features

Mounting Options	Cable mounting (flat canopy or deep canopy) Stem mounting (flat canopy or deep canopy)
Suspension Length	Metal pipe (305 mm, 610 mm, 914 mm or 1219 mm) Pendant cable (1270 mm, 2540 mm or 6350 mm, field adjustable, black or white)
Light Direction	Direct lighting
Length	330 mm, 457 mm, 584 mm
Direct Lighting Output (Nominal Lumens)	700lm, 1000lm, 1300lm
Direct Lighting Colour Temperature	Opticolor+™ Mix-at-Source Red, Green, Blue Plus White Settable Range 22K to 65K, Opticolor+™ Mix-at-Source Red, Green, Royal Blue Plus White Settable Range 22K to 65K
Direct Lighting Optics (Nominal Distribution)	Narrow Spot 15°, Narrow 25°, Narrow Facetted Reflector 25°, Medium 40°, Medium Facetted Reflector 40°, Wide 60°, Wide Facetted Reflector 60°, Very Wide 80°, Very Wide Facetted Reflector 80°, True Asymmetric Wallwash, Double Asymmetric

Colour and Colour Temperature



**opticolor+™**  
Opticolor+™  
Mix-at-Source  
Red, Green,  
Blue Plus White  
Settable  
Range 22K to  
65K



**opticolor+™**  
Opticolor+™  
Mix-at-Source  
Red, Green,  
Royal Blue Plus  
White Settable  
Range 22K to  
65K

Control

DMX/RDM

Colour Rendering

CRI  
90+

Finish



Matte  
White



Matte  
Black



Matte  
Brown



Matte  
Orange



Matte  
Green



Matte  
Blue



Matte  
Silver



Glossy  
White



Glossy  
Black



Glossy  
Yellow



Glossy  
Red



Glossy  
Violet



Glossy  
Green



Glossy  
Ivory



Concrete  
Grey



Metalised  
Grey



Italian  
Brick Red



Parget  
White



Custom  
Colour &  
Finish

Optical Accessories

Snoot, Half Snoot, Honeycomb Louver, Concentric Ring Louver, Clear Glass Lens, Softening Glass Lens, Prismatic Diffuser, Linear Spread Lens Narrow (1° x 40°), Linear Spread Lens Wide (1° x 60°), Beam Widening Lens (+10°), Beam Widening Lens (+20°), Beam Widening Lens (+30°), Decorative Ring

Warranty

5-year limited warranty

Performance

Maximum Delivered Output

Up to 1,266 lm  
Wide Facetted Reflector Optic 60°, MRGBWP Optidrive™ Enabled (White 3000K 96+ CRI, DMX/RDM)  
Up to 1,322 lm  
Wide Facetted Reflector Optic 60°, MRGBWP Optidrive™ Enabled (White 4000K 95+ CRI, DMX/RDM)

Maximum Delivered Intensity

Up to 7,056 cd  
Narrow Spot Optic 15°, MRGBWP Optidrive™ Enabled (White 3000K CRI 96+, DMX/RDM)  
Up to 7,142 cd  
Narrow Spot Optic 15°, MRGBWP Optidrive™ Enabled (White 4000K CRI 95+, DMX/RDM)

Colour Consistency

3 SDCM (in white light colour temperatures)

Colour Rendering

CRI 90+ (White Light Only)

Lumen Maintenance

L95 50,000 hrs (Ta 25 °C)

Physical

Weight

Up to 3.46 kg

Housing Material

Aluminium

TIR Optics Material

Clear polycarbonate

Reflector Material

Aluminium

Electrical and Control

Voltage

120-277 Volts Universal

Control

DMX/RDM Enabled Dimming 0.1%

Environmental

Environment

Damp location (interior applications only)

Operating Temperature

-20 °C to 30 °C

Ingress Protection Rating

IP20

Accessories (Order Separately)

Control Boxes

DMX/RDM enabled (Daisy Chain or Star Configuration), Ethernet enabled (Daisy Chain or Star Configuration)

Control Systems

Pharos® Designer Lighting Control Kit (PHAROS), Pharos® Expert Control Kit (EXPERT), Consult Control Systems section for details

Diagnostic and Addressing Tools

LumenID (LID)

Certifications



Important

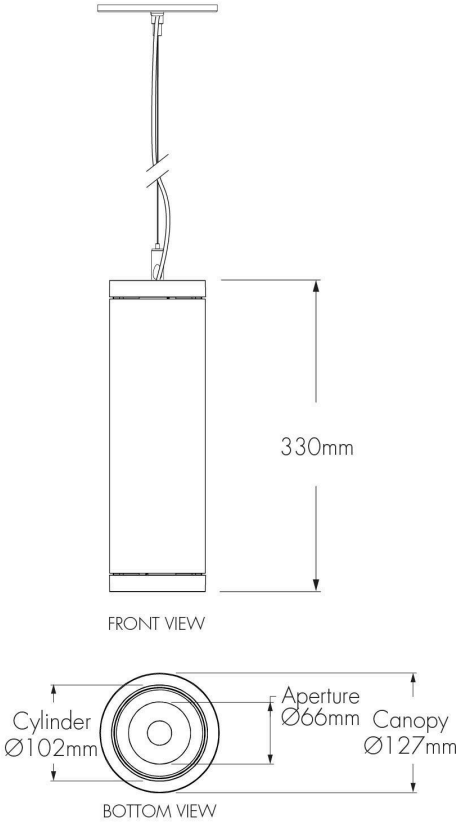
Virtual Patent Marking Notice

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.

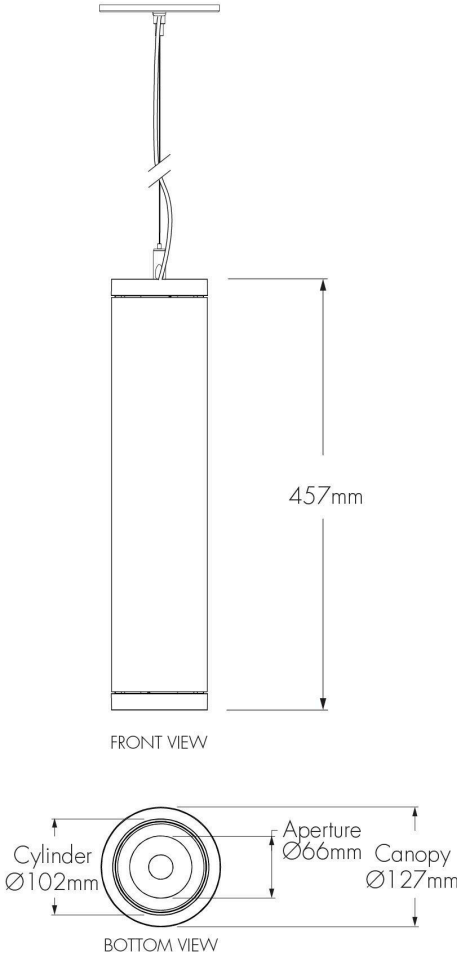
Fixture Dimensions (Shown With Flat Canopy & Cable Options)

The fixture uses an electrical cable for its pendant cable.

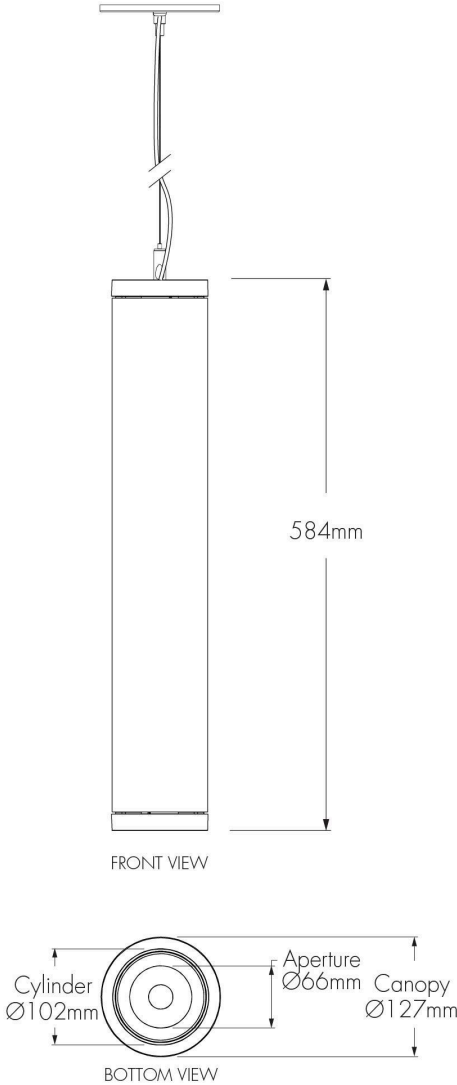
330 mm



457 mm

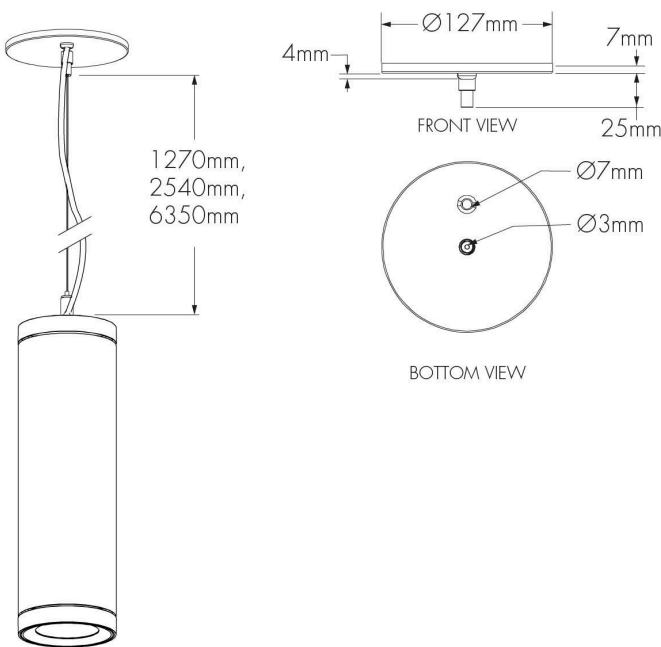


584 mm



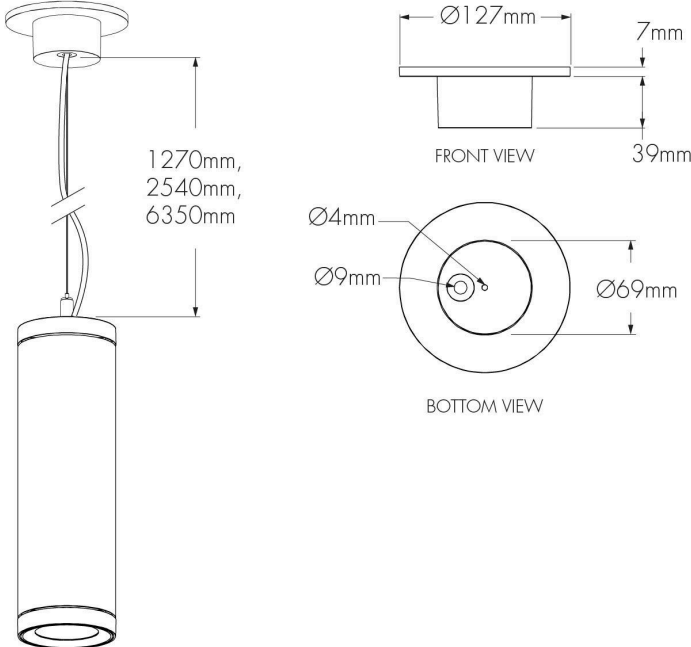
Mounting Option Dimensions (330 mm Fixture Shown)

Flat Canopy & Cable Option



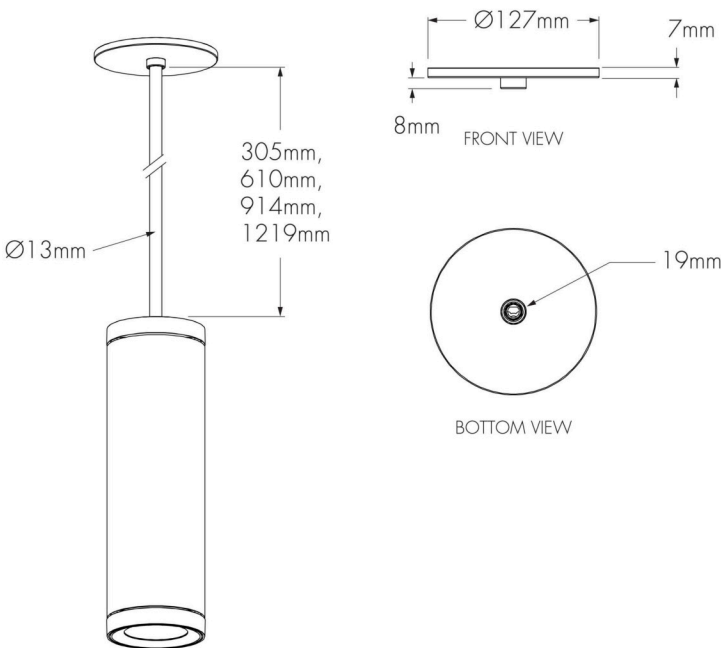
The fixture uses an electrical cable for its pendant cable.

Deep Canopy & Cable Option

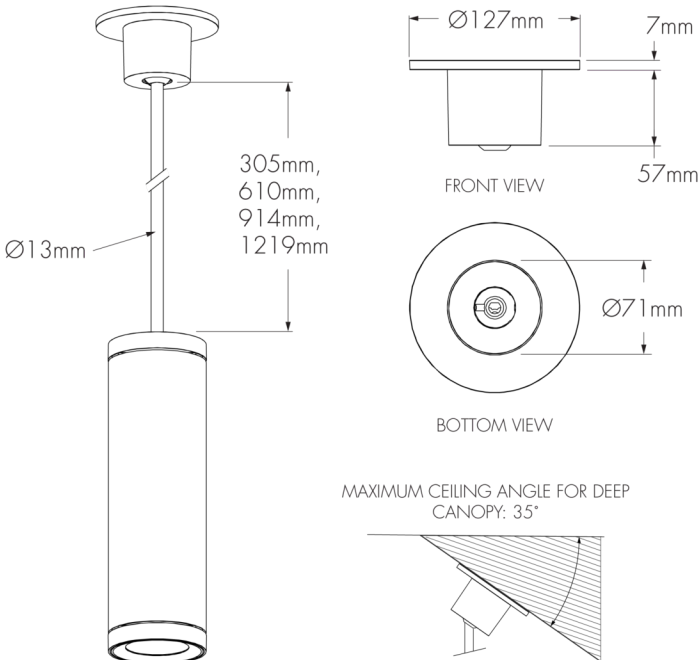


The fixture uses an electrical cable for its pendant cable.

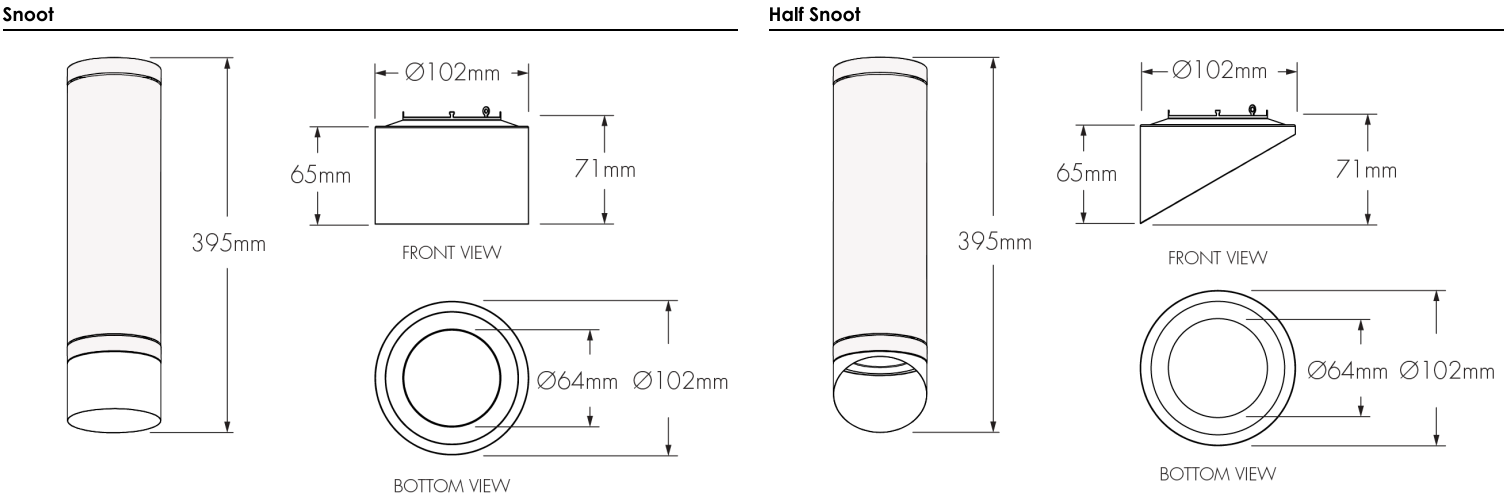
Flat Canopy & Stem Option



Deep Canopy & Stem Option



Optical Accessory Dimensions (330 mm Fixture Shown)



Photometric Information - Colour Rendering Options Comparison, 3000K

Color sample	Ra	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
CRI 90+	94	95	98	99	95	94	97	91	80	55	93	97	83	96	99	89

Optics



Power Consumption

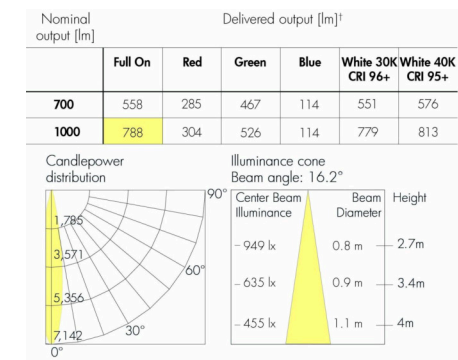
MRGBWP and MRGRBWP

Power Consumption [W]				
Output [lm]	NS (15°) - NSR (15°) - NSFR (15°)		N (25°) - NR (25°) - NFR (25°) - M (40°) - MFR (40°) - W (60°) - WFR (60°) - VW (80°) - VWFR (80°) - DAS	
	120 V	277 V	120 V	277 V
700	14	14	11	11
1000	21	21	16	16
1300	N/A	N/A	23	23

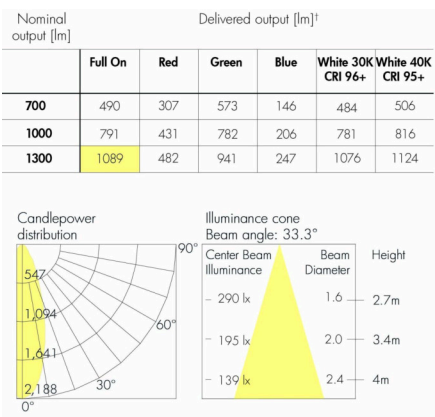
Power Consumption values are based on a MRGBWP or MRGRBWP Full On configuration.

Photometric Information - Direct Lighting Optics

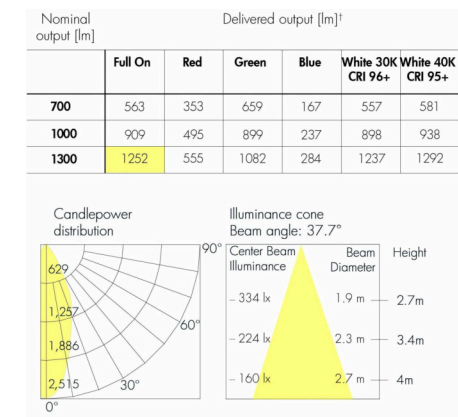
NS - Narrow Spot (Nominal 15°), 4000K



N - Narrow (Nominal 25°), 4000K



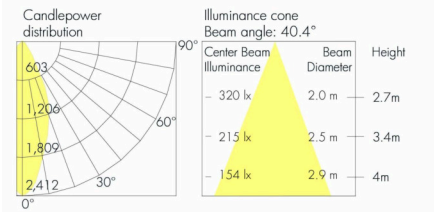
NFR - Narrow Facetted Reflector (Nominal 25°), 4000K



† Consult website for latest IES files. Delivered output: +/- 10% tolerance.  
Photometric performance is measured in compliance with IESNA LM-79-24.

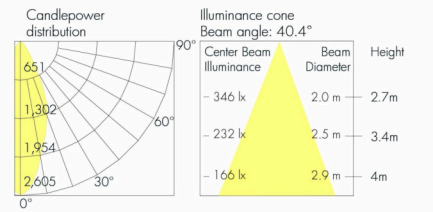
M - Medium (Nominal 40°), 4000K

Nominal output [lm]	Delivered output [lm]†					
	Full On	Red	Green	Blue	White 30K CRI 96+	White 40K CRI 95+
700	520	326	608	154	514	536
1000	839	457	829	219	828	865
1300	1155	512	998	262	1141	1192



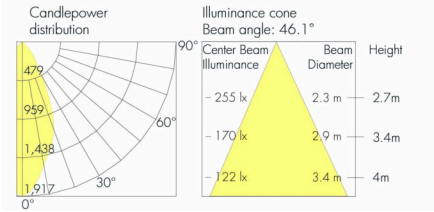
MFR - Medium Facetted Reflector (Nominal 40°), 4000K

Nominal output [lm]	Delivered output [lm]†					
	Full On	Red	Green	Blue	White 30K CRI 96+	White 40K CRI 95+
700	561	352	656	167	554	579
1000	905	493	895	236	894	934
1300	1247	552	1077	283	1232	1287



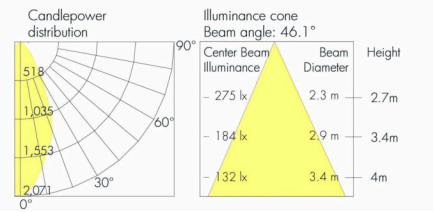
W - Wide (Nominal 60°), 4000K

Nominal output [lm]	Delivered output [lm]†					
	Full On	Red	Green	Blue	White 30K CRI 96+	White 40K CRI 95+
700	534	335	624	159	527	551
1000	861	469	852	225	851	889
1300	1186	525	1025	269	1172	1224



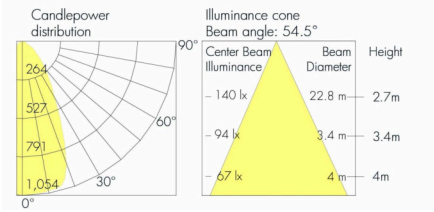
WFR - Wide Facetted Reflector (Nominal 60°), 4000K

Nominal output [lm]	Delivered output [lm]†					
	Full On	Red	Green	Blue	White 30K CRI 96+	White 40K CRI 95+
700	576	361	674	171	570	595
1000	930	507	920	243	919	960
1300	1281	567	1107	291	1266	1322



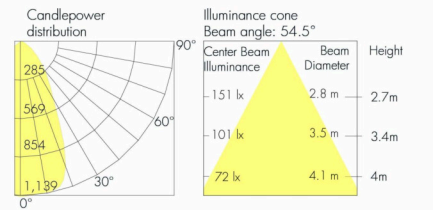
VW - Very Wide Reflector (Nominal 80°), 4000K

Nominal output [lm]	Delivered output [lm]†					
	Full On	Red	Green	Blue	White 30K CRI 96+	White 40K CRI 95+
700	495	311	579	147	490	511
1000	799	436	791	209	790	825
1300	1101	488	951	250	1088	1136



VWFR - Very Wide Facetted Reflector (Nominal 80°), 4000K

Nominal output [lm]	Delivered output [lm]†					
	Full On	Red	Green	Blue	White 30K CRI 96+	White 40K CRI 95+
700	535	335	625	159	529	552
1000	863	470	854	225	853	891
1300	1189	527	1027	270	1175	1227

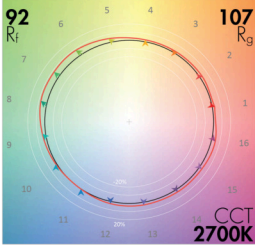


† Consult website for latest IES files. Delivered output: +/- 10% tolerance.  
Photometric performance is measured in compliance with IESNA LM-79-24.

TM-30

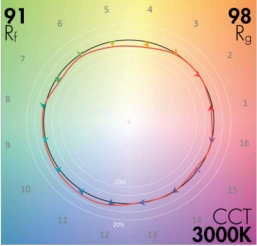
2700K - CRI 90+

CRI 90+				
CCT	CIE		TM-30	
2700K	R <sub>a</sub>	90	92	R <sub>f</sub>
	R <sub>9</sub>	76	107	R <sub>g</sub>



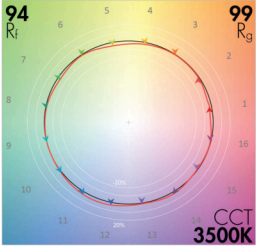
3000K - CRI 90+

CRI 90+				
CCT	CIE		TM-30	
3000K	R <sub>a</sub>	96	91	R <sub>f</sub>
	R <sub>9</sub>	94	98	R <sub>g</sub>



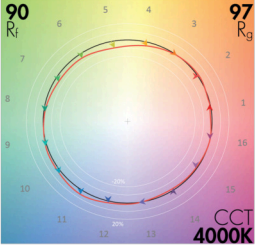
3500K - CRI 90+

CRI 90+				
CCT	CIE		TM-30	
3500K	R <sub>a</sub>	97	94	R <sub>f</sub>
	R <sub>9</sub>	83	99	R <sub>g</sub>



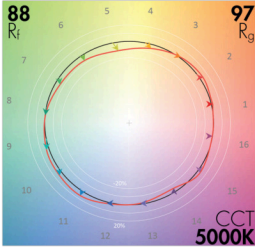
4000K - CRI 90+

CRI 90+				
CCT	CIE		TM-30	
4000K	R <sub>a</sub>	95	90	R <sub>f</sub>
	R <sub>9</sub>	97	97	R <sub>g</sub>



5000K - CRI 90+

CRI 90+				
CCT	CIE		TM-30	
5000K	R <sub>a</sub>	91	88	R <sub>f</sub>
	R <sub>9</sub>	78	97	R <sub>g</sub>



Refer to TM-30 Reference Guide for details.



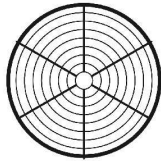
Optical Accessories

SN - Snoot



LACYS - SN

XLVR - Concentric Ring Louver



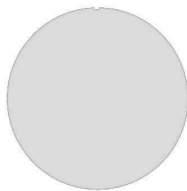
LACYS - XLVR

PD – Prismatic Diffuser



LACYS - PD

BW1 - Beam Widening Lens (+10°)



LACYS - BW1

DR - Decorative Ring



LACYS - DR

HSN - Half Snoot



LACYS - HSN

CL - Clear Glass Lens



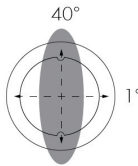
LACYS - CL

LSN - Linear Spread Lens Narrow (1° x 40°)



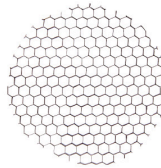
Horizontal Beam Distribution

LACYS - LSN



Vertical Beam Distribution

HL - Honeycomb Louver



LACYS - HL

SL - Softening Glass Lens



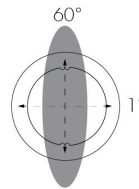
LACYS - SL

LSW - Linear Spread Lens Wide (1° x 60°)



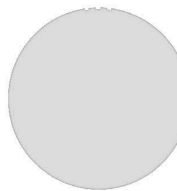
Horizontal Beam Distribution

LACYS - LSW



Vertical Beam Distribution

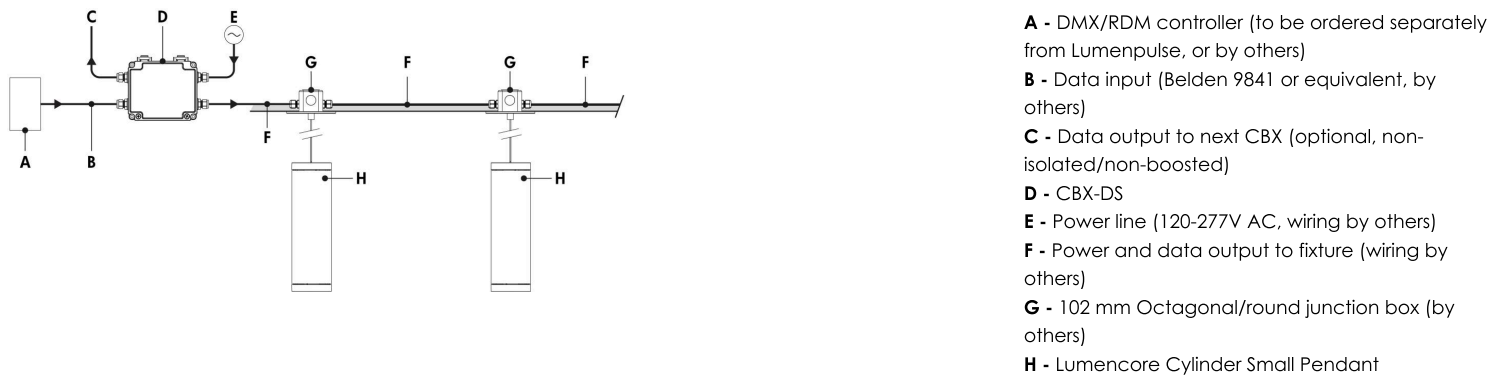
BW3 - Beam widening lens (+30°)



LACYS - BW3

Typical Wiring Diagrams (Refer to Installation Instructions for Additional Wiring Details)

Daisy Chain Layout (DMX/RDM)



The DMX/RDM protocol states a maximum of 64 DMX/RDM enabled fixtures on any single run.

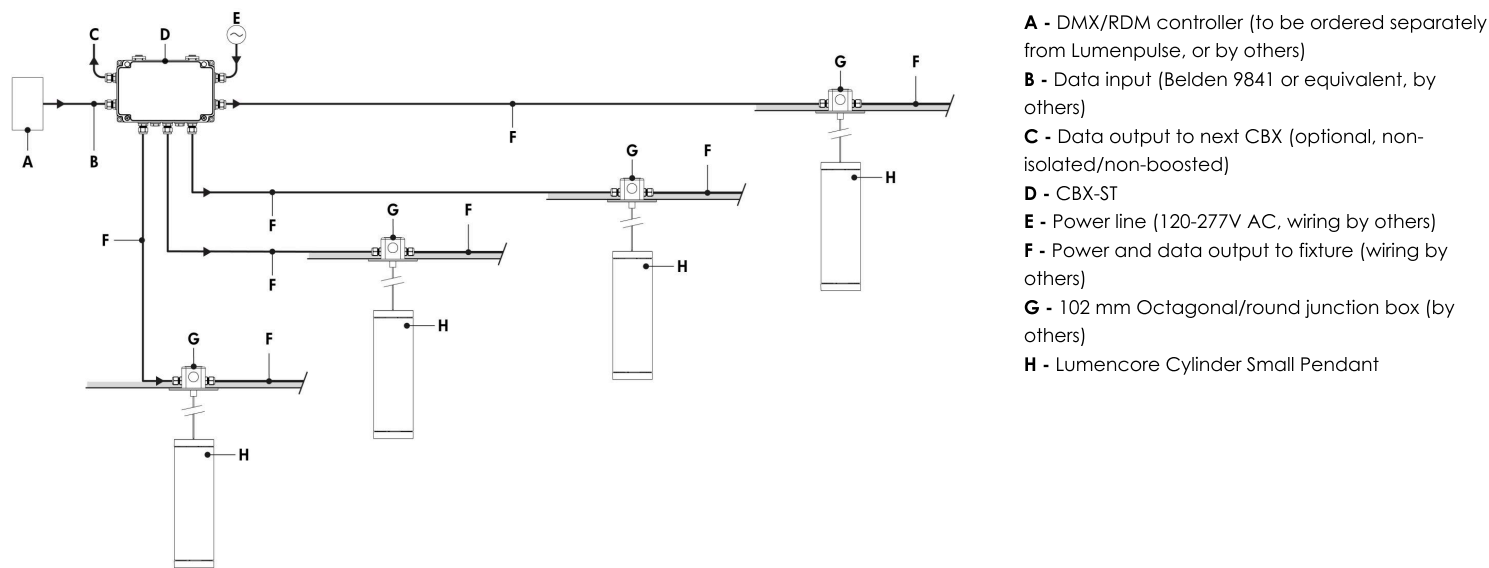
Maximum of 4 DMX/RDM repeaters/CBX cascading in line.

Maximum of 1 output per CBX-DS.

Each fixture requires 1, 2, 3, 4, or 5 DMX addresses depending on control mode selected onsite.

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.

Star Layout (DMX/RDM)



The DMX/RDM protocol states a maximum of 64 DMX/RDM enabled fixtures on any single run.

Maximum of 4 DMX/RDM repeaters/CBX cascading in line.

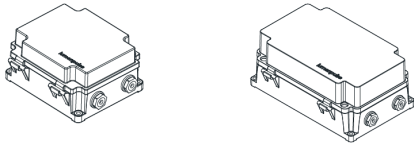
Maximum of 6 outputs per CBX-ST.

Each fixture requires 1, 2, 3, 4, or 5 DMX addresses depending on control mode selected onsite.

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.

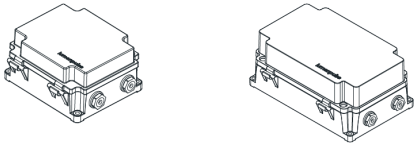
Control Boxes (Order Separately)

CBX-DMX/RDM - DMX/RDM Enabled (Daisy Chain or Star Configuration)



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

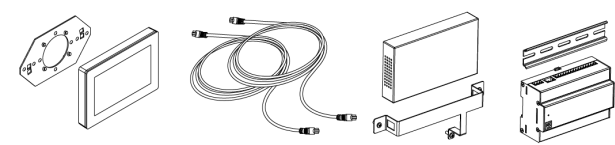
CBX-ENET - Ethernet Enabled (Daisy Chain or Star Configuration)



Ethernet control box. Up to four power and data outputs to fixture or fixture runs. Consult Ethernet CBX specification sheet and installation instructions for details.

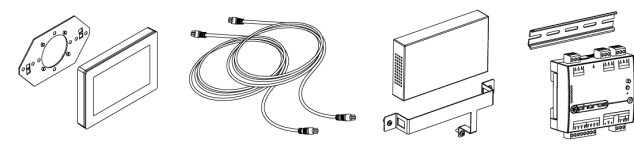
Control Systems (Order Separately)

PHAROS - Pharos® Designer Lighting Control Kit



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

EXPERT - Pharos® 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.

How to Order

Housing <sup>(1)</sup>	Certification	Mounting	Mounting Option Finish	Mounting Length	Light Direction	Voltage	Length	Direct Lighting Output (Nominal Lumens)
LACYS Lumencore Cylinder Small - Ø102 mm	A UL/cUL	PMF Pendant Mount Flat Canopy  PMD Pendant Mount Deep Canopy  PSF Pendant Stem Mount Flat Canopy <sup>(2)</sup>  PSD Pendant Stem Mount Deep Canopy <sup>(2)</sup>	MWH Matte White  MBK Matte Black  MSI Matte Silver  CC Custom Colour <sup>(3)</sup> <sup>(4)</sup>	M1 Metal Pipe (305 mm) <sup>(5)</sup>  M2 Metal Pipe (610 mm) <sup>(5)</sup>  M3 Metal Pipe (914 mm) <sup>(5)</sup>  M4 Metal Pipe (1219 mm) <sup>(5)</sup>  ACC50BK Silver Aircraft Cable/Black Electrical Cable (1270 mm, Field Adjustable)  ACC100BK Silver Aircraft Cable/Black Electrical Cable (2540 mm, Field Adjustable)  ACC250BK Silver Aircraft Cable/Black Electrical Cable (6350 mm, Field Adjustable) <sup>(6)</sup>  ACC50WH Silver Aircraft Cable/White Electrical Cable (1270 mm, Field Adjustable)  ACC100WH Silver Aircraft Cable/White Electrical Cable (2540 mm, Field Adjustable)  ACC250WH Silver Aircraft Cable/White Electrical Cable (6350 mm, Field Adjustable) <sup>(6)</sup>	D Direct lighting	120/277 120-277 Volts Universal	13 330 mm  18 457 mm  23 584 mm	dL07 700lm  dL10 1000lm  dL13 1300lm <sup>(7)</sup>

Notes:

1. Refer to website product configurator for all exceptions.

2. Stem finish matches fixture housing colour.

3. Refer to Finish section for additional colour codes (ex. MGR).

4. Longer lead times can be expected for custom RAL colour finishes.
5. Metal pipe available for PSF and PSD mounting options only.

6. Consult factory for use with a 330 mm, 457 mm or 584 mm fixture.

7. Available for N, NFR, M, MFR, W, WFR, VW, VWFR and DAS optics only.

How to Order

Direct Lighting Colour Temperature <sup>(8)</sup>	Direct Lighting Colour Rendering	Direct Lighting Optics (Nominal Distribution)	Direct Lighting Control	Direct Lighting Accessories <sup>(13)</sup> <sup>(18)</sup> <sup>(19)</sup>	Finish	Bezel	Bezel Finish
<b>MRGBWP</b> Opticolor+™ Mix-at-Source Red, Green, Blue Plus White Settable Range 22K to 65K <sup>(9)</sup> <sup>(10)</sup>  <b>MRGRBWP</b> Opticolor+™ Mix-at-Source Red, Green, Royal Blue Plus White Settable Range 22K to 65K <sup>(10)</sup> <sup>(11)</sup>	<b>CR90</b> CRI 90+ (White Light Only)	<b>NS</b> Narrow Spot 15° <sup>(12)</sup>  <b>N</b> Narrow 25°  <b>NFR</b> Narrow Facetted Reflector 25°  <b>M</b> Medium 40°  <b>MFR</b> Medium Facetted Reflector 40°  <b>W</b> Wide 60°  <b>WFR</b> Wide Facetted Reflector 60°  <b>VW</b> Very Wide 80°  <b>VWFR</b> Very Wide Facetted Reflector 80°  <b>WW</b> True Asymmetric Wallwash <sup>(12)</sup> <sup>(13)</sup> <sup>(14)</sup>  <b>DAS</b> Double Asymmetric <sup>(13)</sup> <sup>(15)</sup>	<b>DMX/RDM</b> DMX/RDM Enabled Dimming 0.1% <sup>(14)</sup> <sup>(17)</sup>	<b>NA</b> No Accessory  <b>SN</b> Snoot <sup>(20)</sup>  <b>HSN</b> Half Snoot <sup>(20)</sup>  <b>HL</b> Honeycomb Louver <sup>(21)</sup>  <b>XLVR</b> Concentric Ring Louver <sup>(22)</sup> <sup>(23)</sup>  <b>CL</b> Clear Glass Lens  <b>SL</b> Softening Glass Lens  <b>PD</b> Prismatic Diffuser <sup>(24)</sup>  <b>LSN</b> Linear Spread Lens Narrow (1° x 40°) <sup>(25)</sup> <sup>(26)</sup>  <b>LSW</b> Linear Spread Lens Wide (1° x 60°) <sup>(26)</sup> <sup>(27)</sup>  <b>BW1</b> Beam Widening Lens (+10°) <sup>(26)</sup>  <b>BW2</b> Beam Widening Lens (+20°) <sup>(26)</sup>  <b>BW3</b> Beam Widening Lens (+30°) <sup>(26)</sup>  <b>DR</b> Decorative Ring <sup>(28)</sup>	<b>MWH</b> Matte White  <b>MBK</b> Matte Black  <b>MBR</b> Matte Brown  <b>MOR</b> Matte Orange  <b>MGR</b> Matte Green  <b>MBL</b> Matte Blue  <b>MSI</b> Matte Silver  <b>GWH</b> Glossy White  <b>GBK</b> Glossy Black  <b>GYL</b> Glossy Yellow  <b>GLR</b> Glossy Red  <b>GVI</b> Glossy Violet  <b>GGR</b> Glossy Green  <b>GIY</b> Glossy Ivory  <b>CGY</b> Concrete Grey  <b>MLG</b> Metalised Grey  <b>IBR</b> Italian Brick Red  <b>PWH</b> Parget White  <b>CC</b> Custom Colour & Finish <sup>(4)</sup>	<b>b</b> Bezel	<b>MWH</b> Matte White  <b>MBK</b> Matte Black  <b>MBR</b> Matte Brown  <b>MOR</b> Matte Orange  <b>MGR</b> Matte Green  <b>MBL</b> Matte Blue  <b>MSI</b> Matte Silver  <b>GWH</b> Glossy White  <b>GBK</b> Glossy Black  <b>GYL</b> Glossy Yellow  <b>GLR</b> Glossy Red  <b>GVI</b> Glossy Violet  <b>GGR</b> Glossy Green  <b>GIY</b> Glossy Ivory  <b>CGY</b> Concrete Grey  <b>MLG</b> Metalised Grey  <b>IBR</b> Italian Brick Red  <b>PWH</b> Parget White  <b>CC</b> Custom Colour & Finish <sup>(4)</sup>

Notes:

- 4.** Longer lead times can be expected for custom RAL colour finishes.

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

**9.** CRI 90 applies only to white light colour temperatures from 2700K to 5000K.

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

**11.** CRI 90 applies only to white light colour temperatures from 2700K to 6500K.

**12.** Available up to 1000 lumens.

**13.** Optical accessories are not available for WW or DAS optics.

**14.** The colour of the true asymmetric wallwash baffle matches the fixture bezel.

**15.** The colour of the double asymmetric baffle is metallic grey.

**16.** A Control Box (CBX-DS or CBX-ST) and lumenID (LID) must be specified.

**17.** Configurable to 3, 4, or 5 channel control via RDM in the field.
- 18.** Accessories specified in the fixture code are factory installed but can also be changed in the field. Refer to installation instructions for details. To order accessories separately, refer to the Optical Accessories section of the specification sheet.

**19.** Maximum of two lenses can be installed per fixture. The Snoot (SN) or Half Snoot (HSN) can be combined with any accessory. The Clear Glass Lens (CL) and Softening Glass Lens (SL) cannot be combined together. The Linear Spread Lenses (LSN and LSW) are compatible with the Snoot and Half Snoot accessories only.

**21.** When combined with another accessory, the HL will be factory-installed in second position (furthest from the LED source).

**22.** Available for NS optic only.

**23.** Can be combined with PD accessory only.

**24.** Recommended to be combined with HL or XLVR accessory only.

**25.** Nominal 10° x 40° distribution when used with the NS optic.

**26.** For optimal performance, it is not recommended to mix with other accessories.

**27.** Nominal 10° x 60° distribution when used with the NS optic.

**28.** No other accessories can be combined with the decorative ring accessory. A decorative ring replaces the bezel on a fixture. Do not specify a bezel finish.