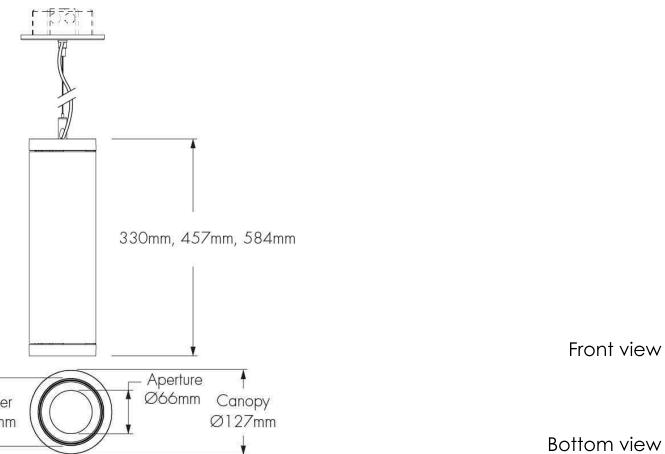


Project Name _____

Qty _____

Type _____

Catalog / Part Number _____



Photometric Summary

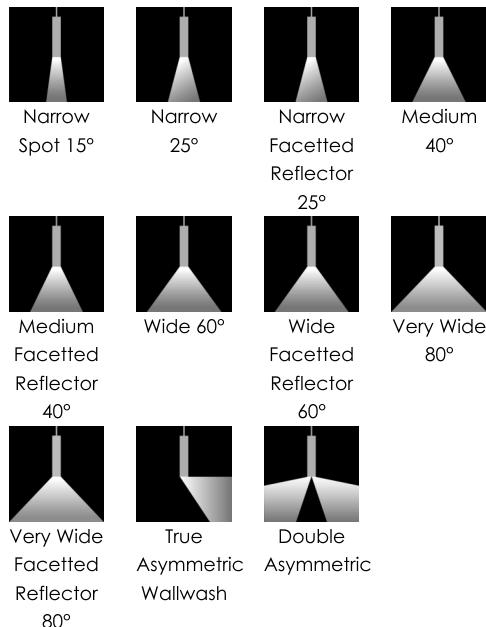
Based on Narrow Optic (Nominal 25°),
MRGBWP in Optidrive™ (White 3000K CRI 96+)

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

1. Consult website for latest IES files.

2. 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

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



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

Control

DMX/RDM

Colour RenderingCRI
90+**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.

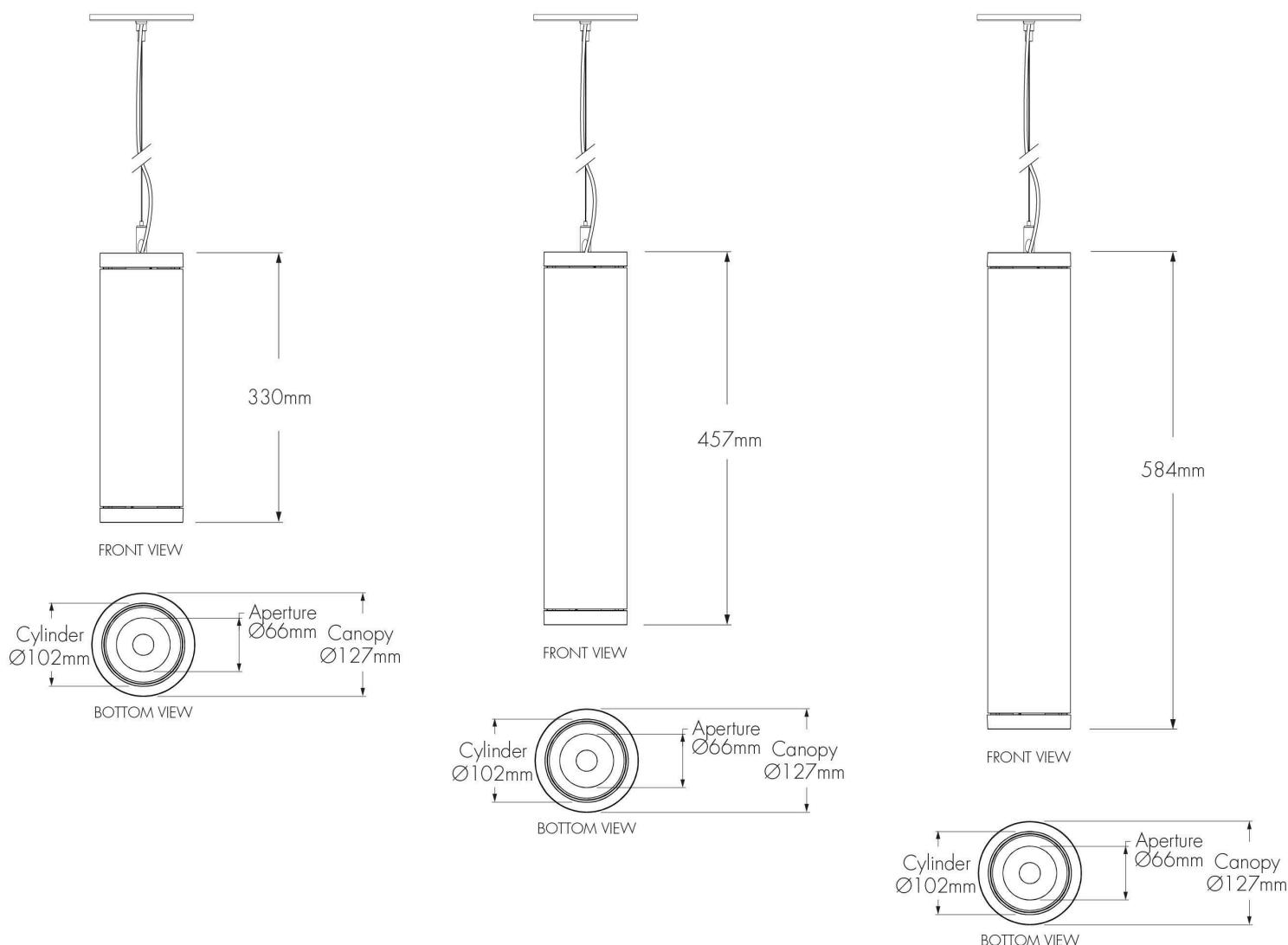
Fixture Dimensions (Shown With Flat Canopy & Cable Options)

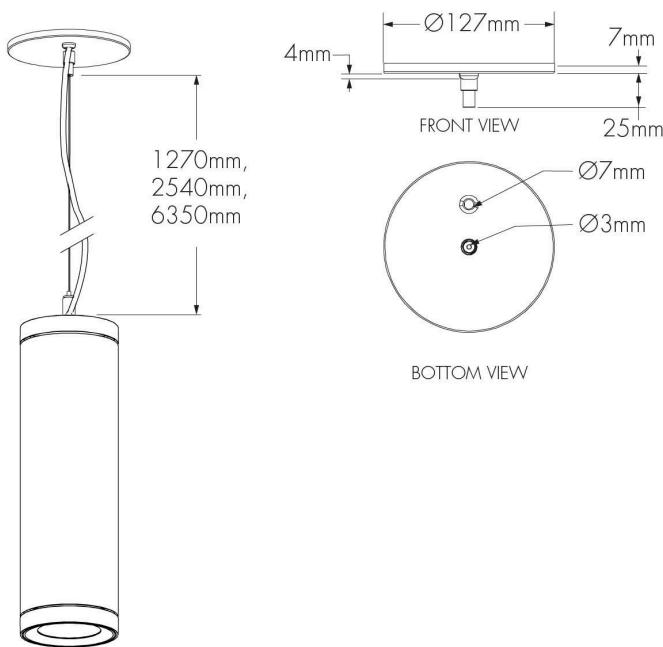
The fixture uses an electrical cable for its pendant cable.

330 mm

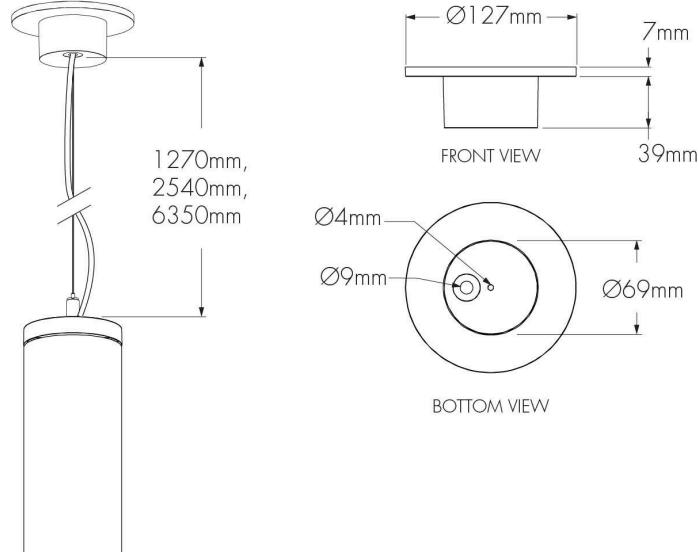
457 mm

584 mm

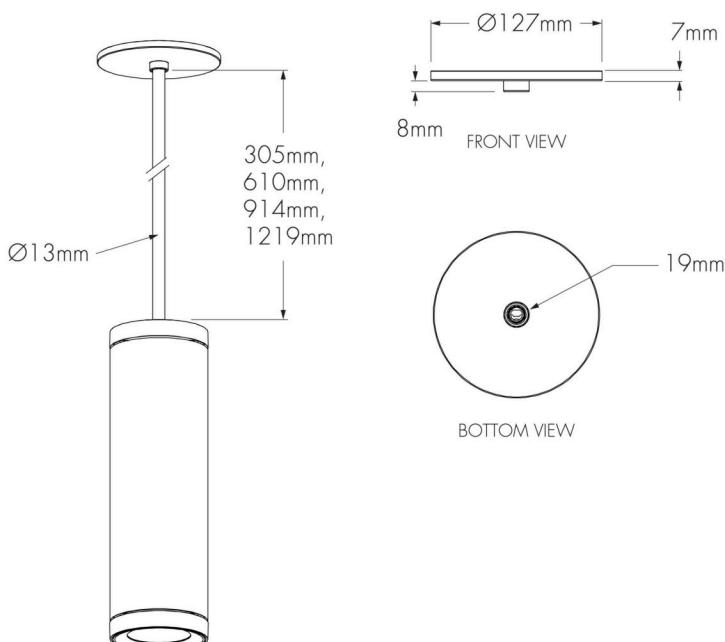
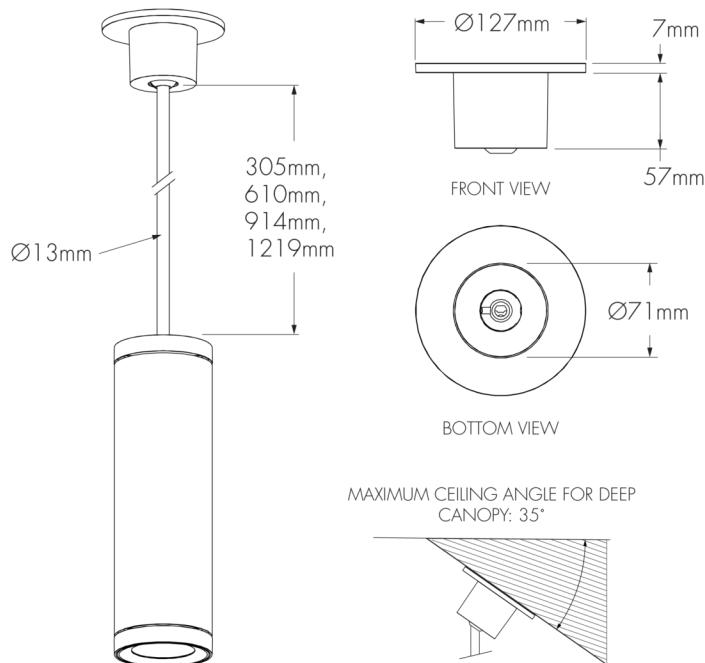


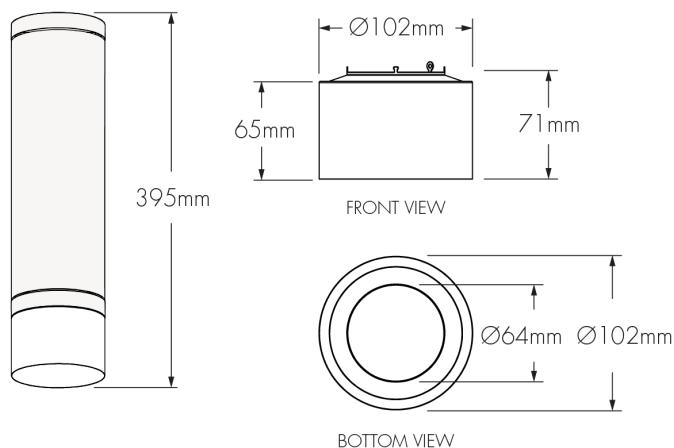
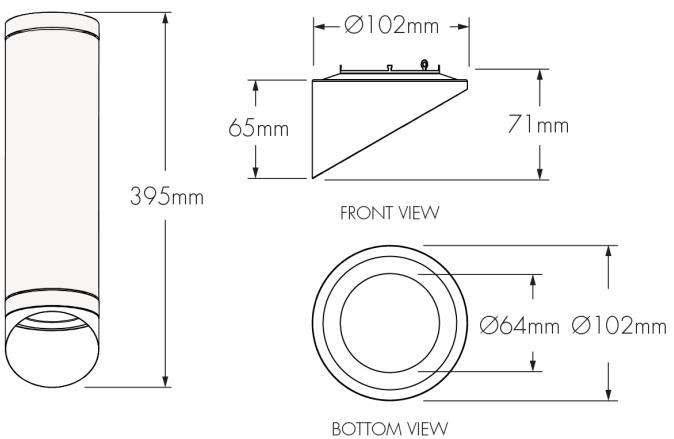
Mounting Option Dimensions (330 mm Fixture Shown)**Flat Canopy & Cable Option**

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)**Snoot****Half Snoot****Photometric Information - Colour Rendering Options Comparison, 3000K**

Color sample	R _a	R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄	R ₁₅
CRI 90+	94	95	98	99	95	94	97	91	80	55	93	97	83	96	99	89

Optics**TIR Optic**
NS/N**Semi-Specular Reflector**
M/VW/VW**Faceted Reflector**
NFR/MFR/WFR/VWFR**Power Consumption****MRGBWP and MRGRBWP**

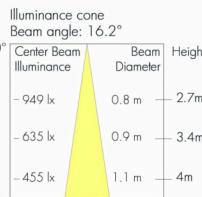
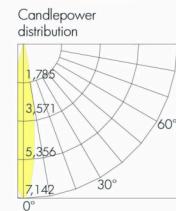
Output [lm]	Power Consumption [W]			
	NS (15°) - NSR (15°) - NSFR (15°)		N (25°) - NR (25°) - NFR (25°) - M (40°) - MFR (40°) - W (60°) - WFR (60°) - VW (80°) - VWFR (80°) - DAS	
	120 V	277 V	120 V	277 V
700	14	14	11	11
1000	21	21	16	16
1300	N/A	N/A	23	23

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

Photometric Information - Direct Lighting Optics

NS - Narrow Spot (Nominal 15°), 4000K

Nominal output [lm]		Delivered output [lm] [†]						
	Full On	Red	Green	Blue	White 30K	White 40K	CRI 96+	CRI 95+
700	558	285	467	114	551	576		
1000	788	304	526	114	779	813		



Center Beam Illuminance Beam Diameter Height

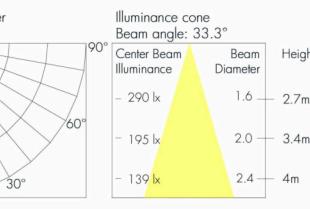
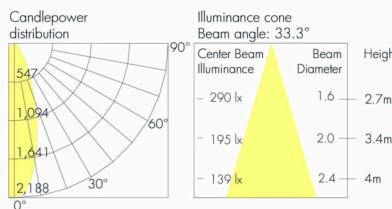
0.8 m 2.7 m

0.9 m 3.4 m

1.1 m 4 m

N - Narrow (Nominal 25°), 4000K

Nominal output [lm]		Delivered output [lm] [†]						
	Full On	Red	Green	Blue	White 30K	White 40K	CRI 96+	CRI 95+
700	490	307	573	146	484	506		
1000	791	431	782	206	781	816		
1300	1089	482	941	247	1076	1124		



Center Beam Illuminance Beam Diameter Height

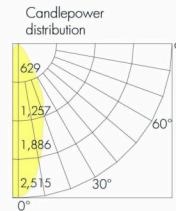
1.6 m 2.7 m

2.0 m 3.4 m

2.4 m 4 m

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

Nominal output [lm]		Delivered output [lm] [†]						
	Full On	Red	Green	Blue	White 30K	White 40K	CRI 96+	CRI 95+
700	563	353	659	167	557	581		
1000	909	495	899	237	898	938		
1300	1252	555	1082	284	1237	1292		



Center Beam Illuminance Beam Diameter Height

1.9 m 2.7 m

2.3 m 3.4 m

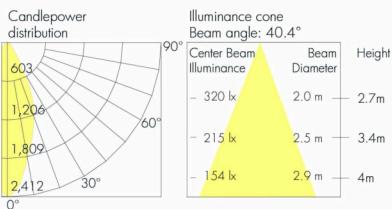
2.7 m 4 m

[†] Consult website for latest IES files. Delivered output: +/- 10% tolerance.

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

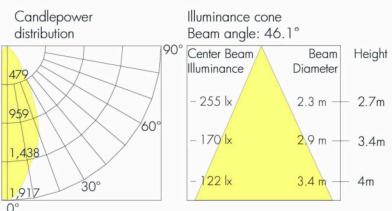
M - Medium (Nominal 40°), 4000K

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



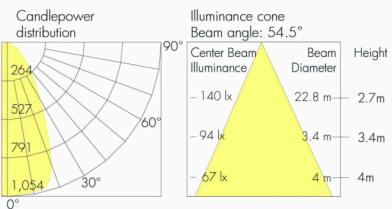
W - Wide (Nominal 60°), 4000K

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



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

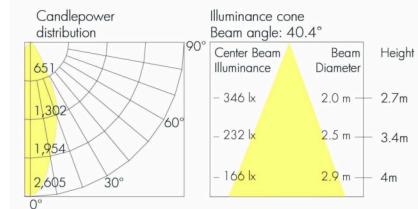
Nominal output [lm]	Delivered output [lm] [†]					
	Full On	Red	Green	Blue	White 30K	White 40K
CRI 96+	CRI 95+					
700	495	311	579	147	490	511
1000	799	436	791	209	790	825
1300	1101	488	951	250	1088	1136



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

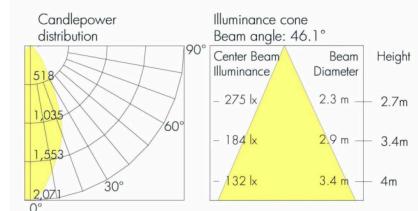
MFR - Medium Faceted Reflector (Nominal 40°), 4000K

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



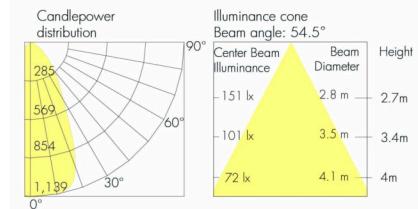
WFR - Wide Faceted Reflector (Nominal 60°), 4000K

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



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

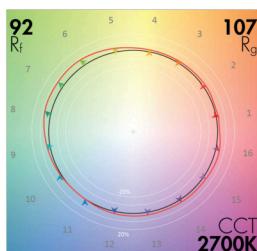
Nominal output [lm]	Delivered output [lm] [†]					
	Full On	Red	Green	Blue	White 30K	White 40K
CRI 96+	CRI 95+					
700	535	335	625	159	529	552
1000	863	470	854	225	853	891
1300	1189	527	1027	270	1175	1227



TM-30

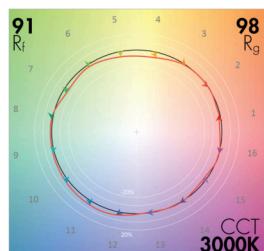
2700K - CRI 90+

CRI 90+				
CCT	CIE		TM-30	
2700K	R _a	90	92	R _f
	R _g	76	107	R _g



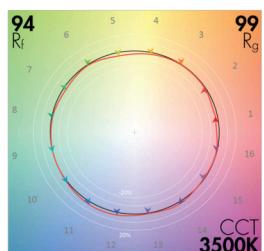
3000K - CRI 90+

CRI 90+				
CCT	CIE		TM-30	
3000K	R _a	96	91	R _f
	R _g	94	98	R _g



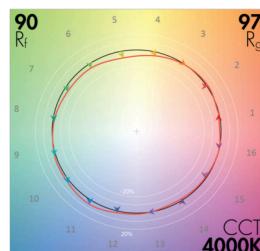
3500K - CRI 90+

CRI 90+				
CCT	CIE		TM-30	
3500K	R _a	97	94	R _f
	R _g	83	99	R _g



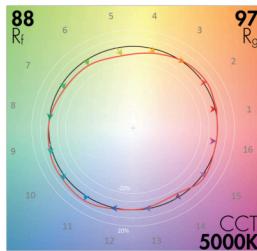
4000K - CRI 90+

CRI 90+				
CCT	CIE		TM-30	
4000K	R _a	95	90	R _f
	R _g	97	97	R _g



5000K - CRI 90+

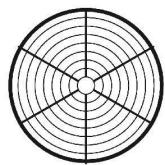
CRI 90+				
CCT	CIE		TM-30	
5000K	R _a	91	88	R _f
	R _g	78	97	R _g



Refer to TM-30 Reference Guide for details.

Optical Accessories**SN - Snoot**

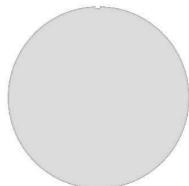
LACYS - SN

XLVR - Concentric Ring Louver

LACYS - XLVR

PD - Prismatic Diffuser

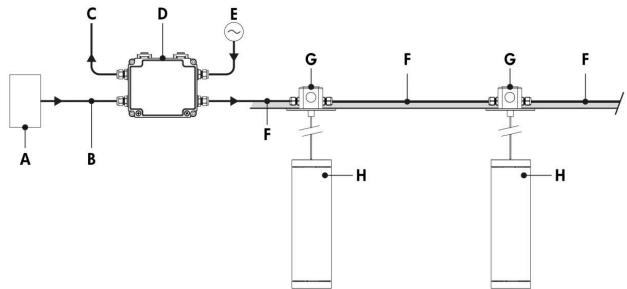
LACYS - PD

BW1 - Beam Widening Lens (+10°)

LACYS - BW1

DR - Decorative Ring

LACYS - DR

Typical Wiring Diagrams (Refer to Installation Instructions for Additional Wiring Details)
Daisy Chain Layout (DMX/RDM)


- A** - DMX/RDM controller (to be ordered separately from Lumenpulse, or by others)
- B** - Data input (Belden 9841 or equivalent, by others)
- C** - Data output to next CBX (optional, non-isolated/non-boosted)
- D** - CBX-DS
- E** - Power line (120-277V AC, wiring by others)
- F** - Power and data output to fixture (wiring by others)
- G** - 102 mm Octagonal/round junction box (by others)
- H** - Lumencore Cylinder Small Pendant

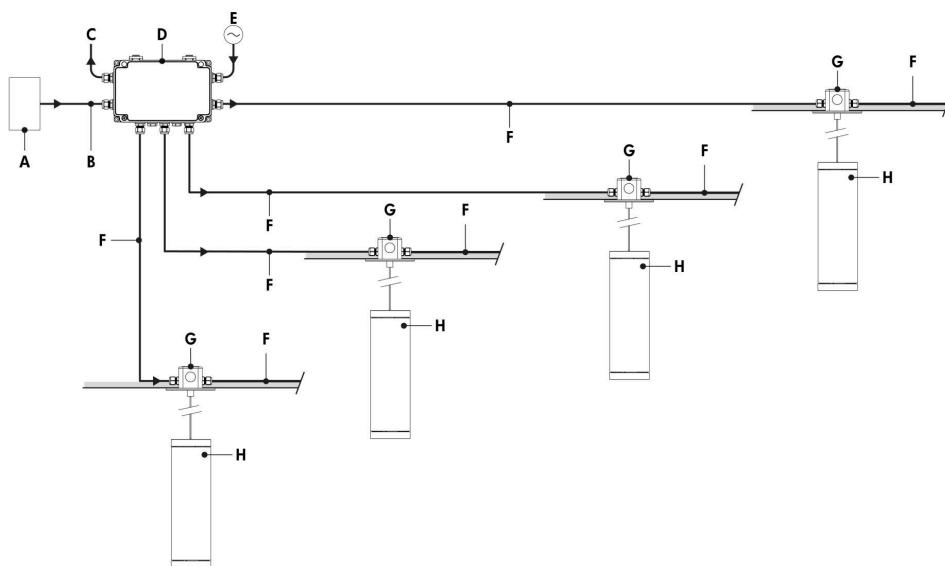
The DMX/RDM protocol states a maximum of 64 DMX/RDM enabled fixtures on any single run.

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)


- A** - DMX/RDM controller (to be ordered separately from Lumenpulse, or by others)
- B** - Data input (Belden 9841 or equivalent, by others)
- C** - Data output to next CBX (optional, non-isolated/non-boosted)
- D** - CBX-ST
- E** - Power line (120-277V AC, wiring by others)
- F** - Power and data output to fixture (wiring by others)
- G** - 102 mm Octagonal/round junction box (by others)
- H** - Lumencore Cylinder Small Pendant

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.

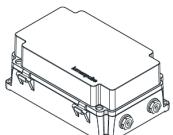
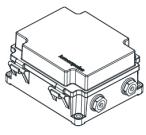
Maximum of 6 outputs per CBX-ST.

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.

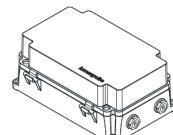
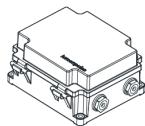
Control Boxes (Order Separately)

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 ⁽¹⁾	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 ⁽²⁾ PSD Pendant Stem Mount Deep Canopy ⁽²⁾	MWH Matte White MBK Matte Black MSI Matte Silver CC Custom Colour ⁽³⁾ ⁽⁴⁾	M1 Metal Pipe (305 mm) ⁽⁵⁾ M2 Metal Pipe (610 mm) ⁽⁵⁾ M3 Metal Pipe (914 mm) ⁽⁵⁾ M4 Metal Pipe (1219 mm) ⁽⁵⁾ 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) ⁽⁶⁾ 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) ⁽⁶⁾	D Direct lighting	120/277 120-277 Volts Universal	13 330 mm 18 457 mm 23 584 mm	DL07 700lm DL10 1000lm DL13 1300lm ⁽⁷⁾

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 ⁽⁸⁾	Direct Lighting Colour Rendering	Direct Lighting Optics (Nominal Distribution)	Direct Lighting Control	Direct Lighting Accessories ⁽¹³⁾ ^{(18) (19)}	Finish	Bezel	Bezel Finish
MRGBWP Opticolor+™ Mix-ct-Source Red, Green, Blue Plus White Settable Range 22K to 65K ⁽⁹⁾ ⁽¹⁰⁾	CR90 CRI 90+ (White Light Only)	NS Narrow Spot 15° ⁽¹²⁾ N Narrow 25° NFR Narrow Faceted Reflector 25° M Medium 40° MFR Medium Faceted Reflector 40° W Wide 60° WFR Wide Faceted Reflector 60° VW Very Wide 80° VWFR Very Wide Faceted Reflector 80° WW True Asymmetric Wallwash ⁽¹²⁾ ^{(13) (14)} DAS Double Asymmetric ⁽¹³⁾ ⁽¹⁵⁾	DMX/RDM DMX/RDM Enabled Dimming 0.1% ⁽¹⁶⁾ ⁽¹⁷⁾	NA No Accessory SN Snoot ⁽²⁰⁾ HSN Half Snoot ⁽²⁰⁾ HL Honeycomb Louver ⁽²¹⁾ XLVR Concentric Ring Louver ⁽²²⁾ ⁽²³⁾ CL Clear Glass Lens SL Softening Glass Lens PD Prismatic Diffuser ⁽²⁴⁾ LSN Linear Spread Lens Narrow (1° x 40°) ⁽²⁵⁾ ⁽²⁶⁾ LSP Linear Spread Lens Wide (1° x 60°) ⁽²⁴⁾ ⁽²⁷⁾ BW1 Beam Widening Lens (+10°) ⁽²⁶⁾ BW2 Beam Widening Lens (+20°) ⁽²⁶⁾ BW3 Beam Widening Lens (+30°) ⁽²⁶⁾ DR Decorative Ring ⁽²⁸⁾ CC Custom Colour & Finish ⁽⁴⁾	MWH Matte White MBK Matte Black MBR Matte Brown MOR Matte Orange MGR Matte Green MBL Matte Blue MSI Matte Silver GWH Glossy White GBK Glossy Black GYL Glossy Yellow GLR Glossy Red GVI Glossy Violet GGR Glossy Green GIY Glossy Ivory CGY Concrete Grey MLG Metalised Grey IBR Italian Brick Red PWH Parget White CC Custom Colour & Finish ⁽⁴⁾	b Bezel	MWH Matte White MBK Matte Black MBR Matte Brown MOR Matte Orange MGR Matte Green MBL Matte Blue MSI Matte Silver GWH Glossy White GBK Glossy Black GYL Glossy Yellow GLR Glossy Red GVI Glossy Violet GGR Glossy Green GIY Glossy Ivory CGY Concrete Grey MLG Metalised Grey IBR Italian Brick Red PWH Parget White CC Custom Colour & Finish ⁽⁴⁾
MRGRWP Opticolor+™ Mix-ct-Source Red, Green, Royal Blue Plus White Settable Range 22K to 65K ⁽¹⁰⁾ ⁽¹¹⁾							

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 (LD) 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 LSP) are compatible with the Snoot and Half Snoot accessories only.
 20. Matte black interior surface, exterior finish matches housing colour.
 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.