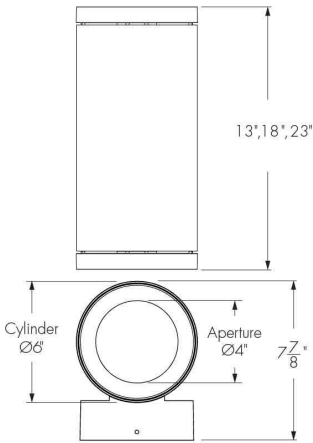


Project Name

Qty

Type

Catalog / Part Number



Front view

Bottom view

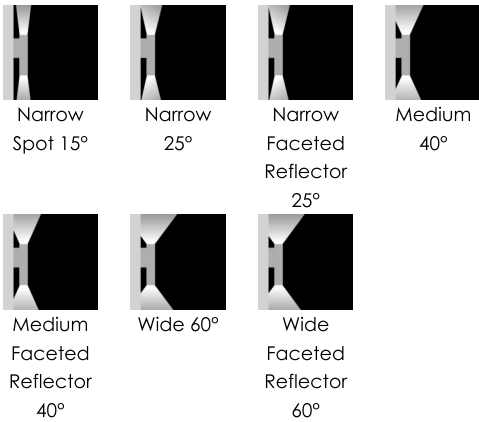
Photometric Summary

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	484	11	44	11	44
1000	781	16	49	16	49

1.
Information based on direct or indirect lighting. Double the wattage and performance information for direct/indirect applications.
2. Consult website for latest IES files.
3. Photometric performance is measured in compliance with IESNA LM-79-24.

Optics



Description

The Lumencore Cylinder Opticolor+ Medium Wall Mount Direct/Indirect is a high-performance LED luminaire designed for commercial, residential, or hospitality environments. This versatile three-in-one fixture combines Dynamic RGBW Colors, 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 color 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	Wall Mount
Light Direction	Direct/Indirect lighting
Length	13 in, 18 in, 23 in
Output (Nominal Lumens)	700 lm, 1000 lm, 1300 lm, 2000 lm
Color and Color 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
Optics (Nominal Distribution)	Narrow Spot 15°, Narrow 25°, Narrow Faceted Reflector 25°, Medium 40°, Medium Faceted Reflector 40°, Wide 60°, Wide Faceted Reflector 60°
Optical Accessories	Snoot, Half Snoot, Honeycomb Louver, Clear Glass Lens, Softening Glass Lens, Prismatic Diffuser, Linear Spread Lens Narrow (1° x 40°), Linear Spread Lens Wide (1° x 60°)
Warranty	5-year limited warranty

Color and Color 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

Color 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
Gray



Metalized
Gray



Italian
Brick Red



Parget
White



Custom
Color &
Finish

Performance

Maximum Delivered Output	Up to 1,424 lm Medium Faceted Reflector Optic 40°, MRGBWP Optidrive™ Enabled (Direct or Indirect Lighting, White 3000K 96+ CRI, DMX/RDM) Up to 1,488 lm Medium Faceted Reflector Optic 40°, MRGBWP Optidrive™ Enabled (Direct or Indirect Lighting, White 4000K 95+ CRI, DMX/RDM)
Maximum Delivered Intensity	Up to 7,056 cd Narrow Spot Optic 15°, MRGBWP Optidrive™ Enabled (Direct or Indirect Lighting, White 3000K CRI 96+, DMX/RDM) Up to 7,142 cd Narrow Spot Optic 15°, MRGBWP Optidrive™ Enabled (Direct or Indirect Lighting, White 4000K CRI 95+, DMX/RDM)
Color Rendering	CRI 90+ (White Light Only)
Lumen Maintenance	L95 50,000 hrs (Ta 25 °C)
Color Consistency	3 SDCM (in white light color temperatures)

Physical

Weight	Up to 10.58 lbs
Housing Material	Aluminum
TIR Optics Material	Clear polycarbonate
Reflector Material	Aluminum

Electrical and Control

Voltage	120-277 Volts Universal
Control	DMX/RDM Enabled Dimming 0.1%

Environmental

Environment	Damp location (interior applications only)
Operating Temperature	-4 °F to 86 °F
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)

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.

Certifications

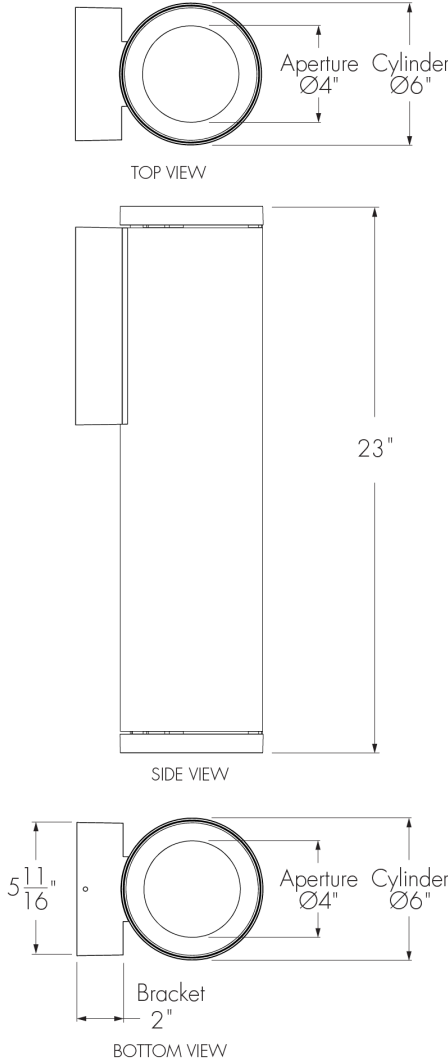
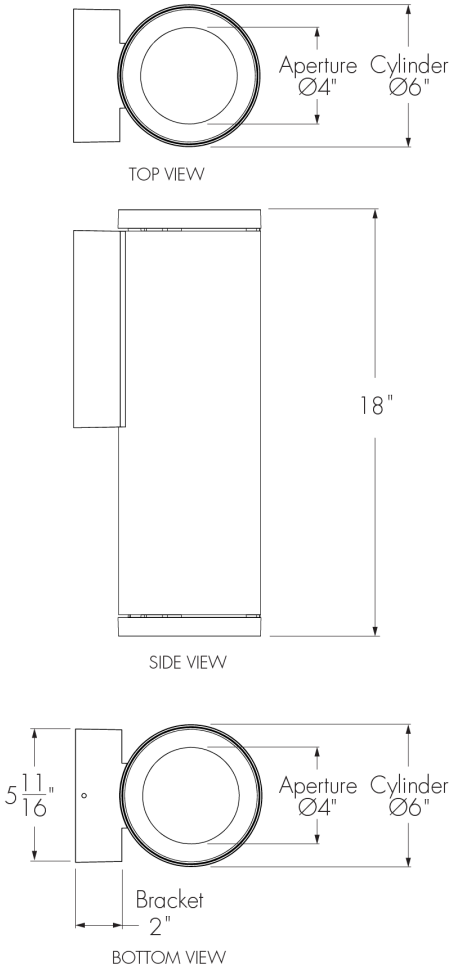
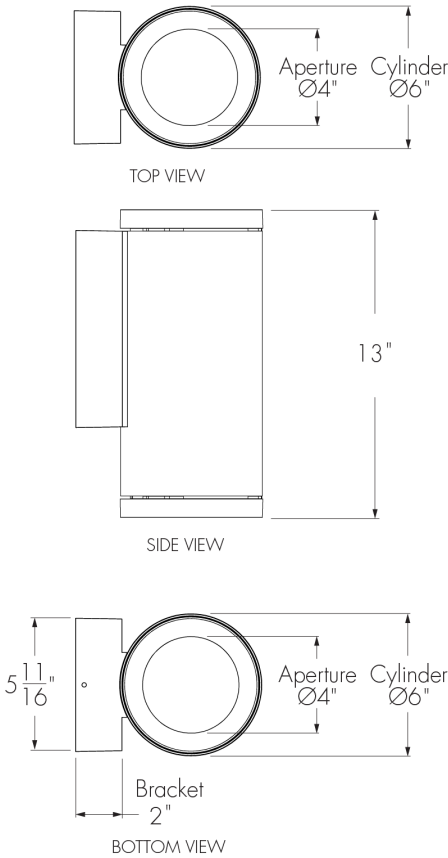


Fixture Dimensions

13 in

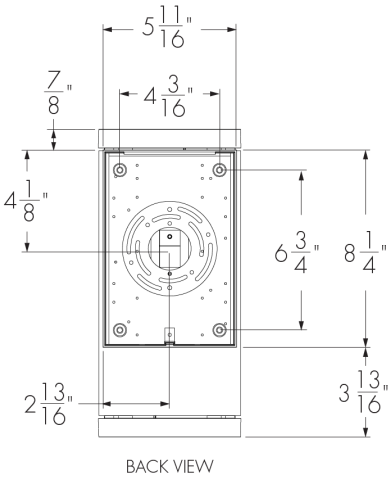
18 in

23 in

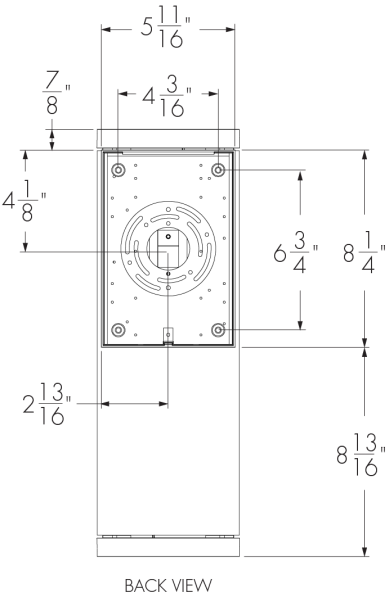


Mounting Bracket Details

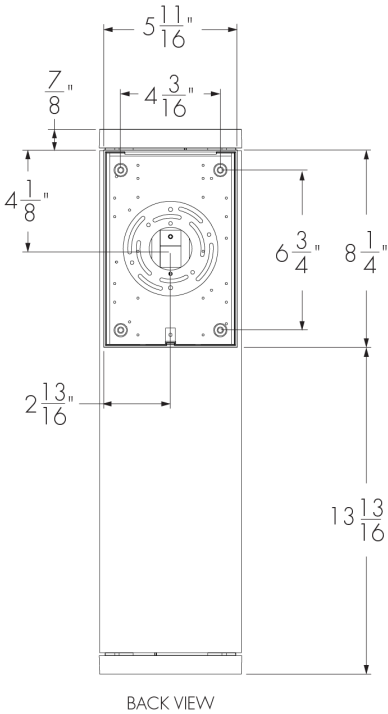
Fixture 13 in



Fixture 18 in

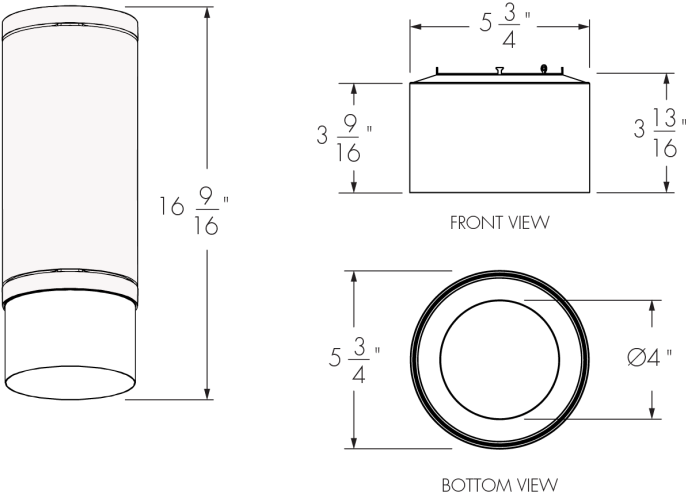


Fixture 23 in

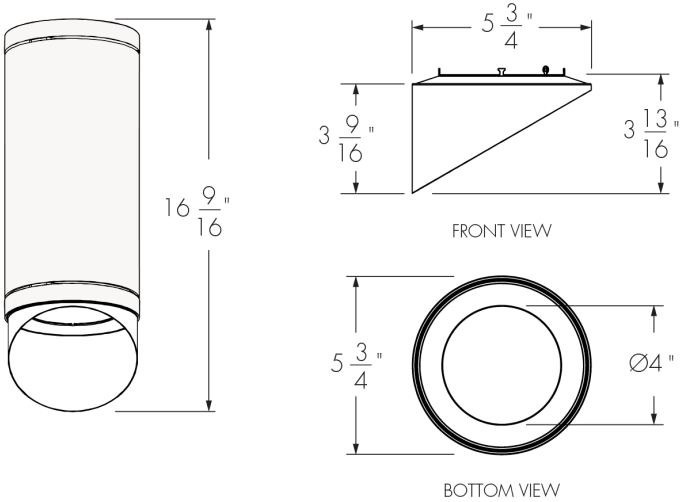


Optical Accessory Dimensions (13 in Fixture Shown)

Snoot



Half Snoot



Photometric Information - Color 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

TIR Optic
NS/N



Semi-Specular reflector
M/W



Faceted Reflector
MFR/VVFR



Power Consumption

MRGBWP and MRGRBWP

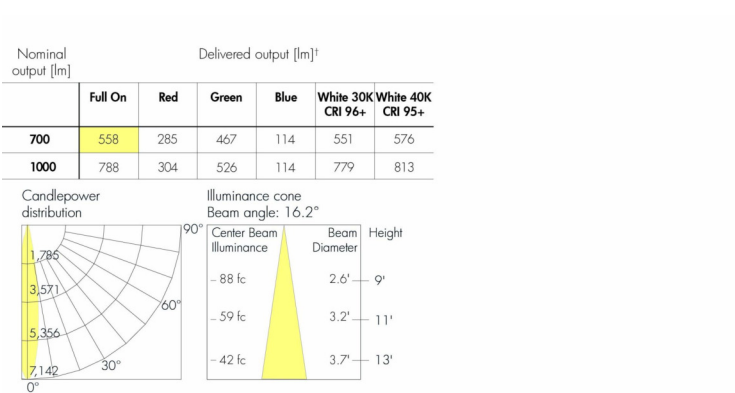
Power Consumption [W]				
Output [lm]	NS (15°)		N (25°) - NFR (25°) - M (40°) - MFR (40°) - W (60°) - WFR (60°)	
	120 V	277 V	120 V	277 V
700	14	14	11	11
1000	21	21	16	16
1300	N/A	N/A	23	23
2000	N/A	N/A	32	32

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

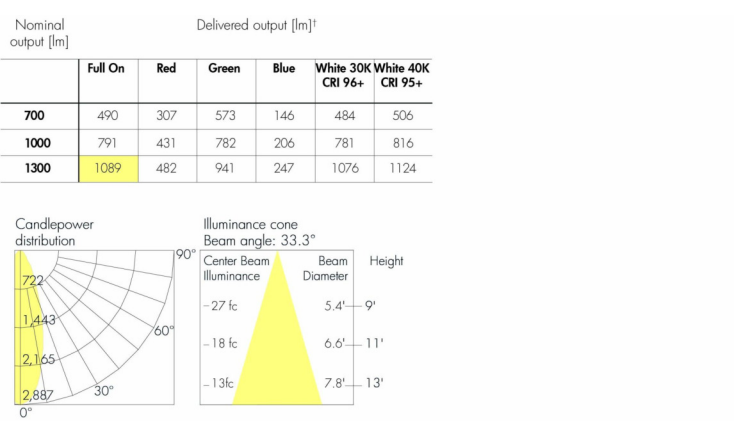
Information based on direct or indirect lighting. Double the wattage for direct/indirect applications.

Photometric Information - Direct Lighting Optics

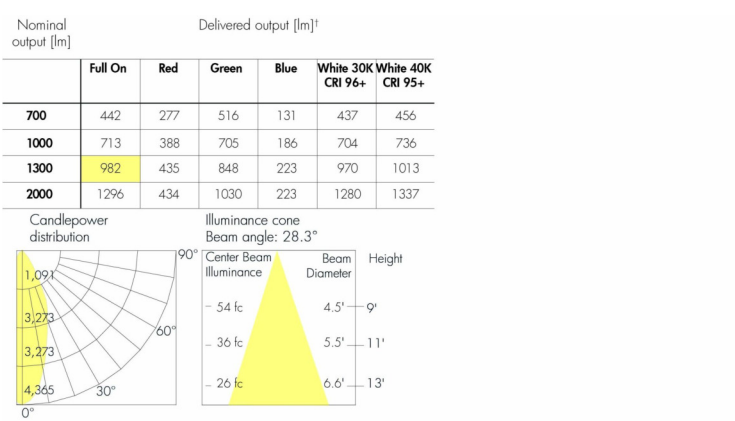
NS - Narrow Spot (Nominal 15°), 4000K



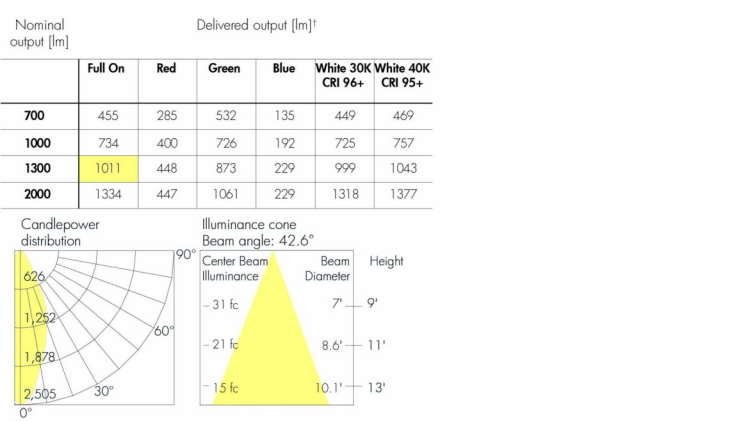
N - Narrow (Nominal 25°), 4000K



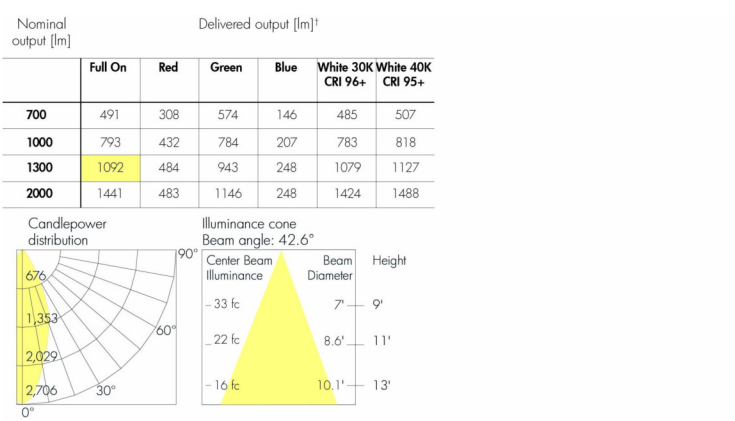
NFR - Narrow Faceted Reflector (Nominal 25°), 4000K



M - Medium (Nominal 40°), 4000K

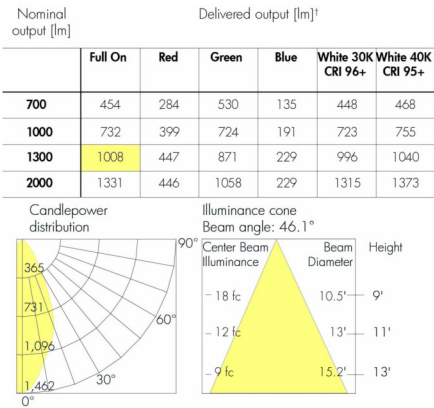


MFR - Medium Faceted Reflector (Nominal 40°), 4000K

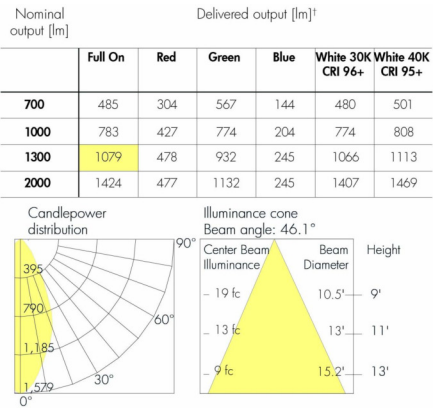


† Consult website for latest IES files. Delivered output: +/- 10% tolerance.
Photometric performance is measured in compliance with IESNA LM-79-24.

W - Wide (Nominal 60°), 4000K



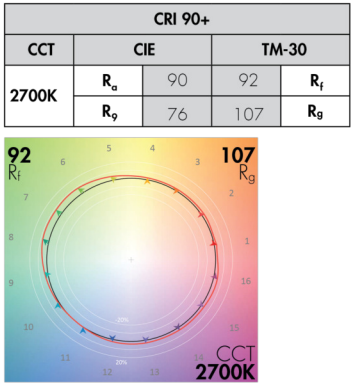
WFR - Wide Faceted Reflector (Nominal 60°), 4000K



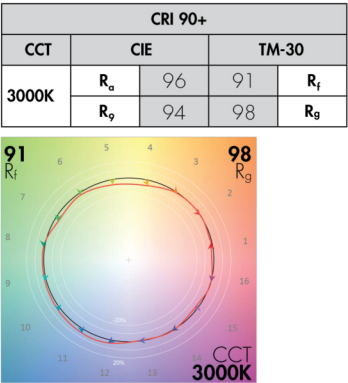
† Consult website for latest IES files. Delivered output: +/- 10% tolerance.
Photometric performance is measured in compliance with IESNA LM-79-24.

TM-30

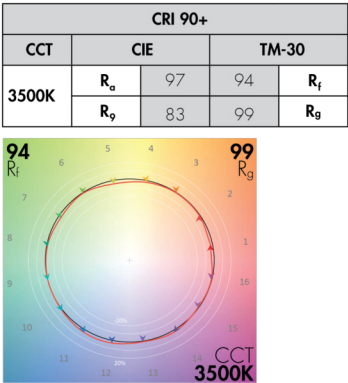
2700K - CRI 90+



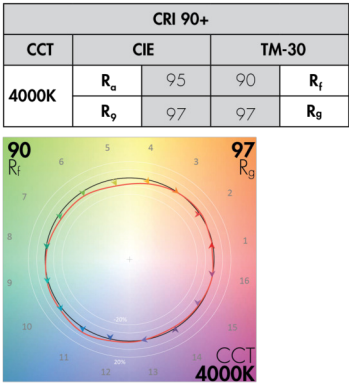
3000K - CRI 90+



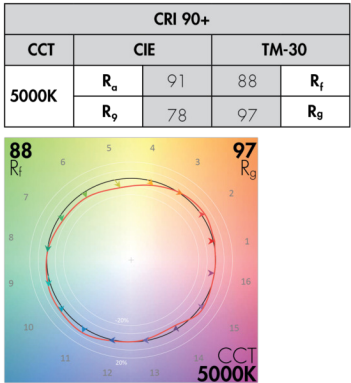
3500K - CRI 90+



4000K - CRI 90+



5000K - CRI 90+



Refer to TM-30 Reference Guide for details.

Optical Accessories

SN - Snoot



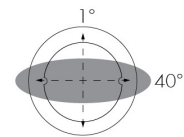
LACYM - SN

CL - Clear Glass Lens



LACYM - CL

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



Horizontal Beam Distribution

LACYM - LSN

HSN - Half Snoot



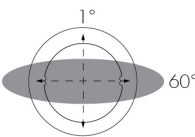
LACYM - HSN

SL - Softening Glass Lens



LACYM - SL

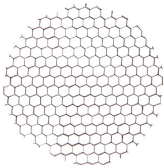
LSW - Linear Spread Lens Wide (1° x 60°)



Horizontal Beam Distribution

LACYM - LSW

HL - Honeycomb Louver



LACYM - HL

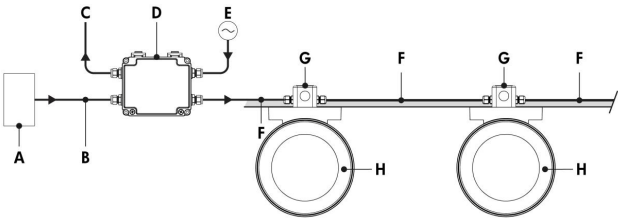
PD - Prismatic Diffuser



LACYM - PD

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-booster)
- D** - CBX-DS
- E** - Power line (120-277V AC, wiring by others)
- F** - Power and data output to fixture (wiring by others)
- G** - 4 in Octagonal/round junction box (by others)
- H** - Lumencore Cylinder Medium Wall Mount

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

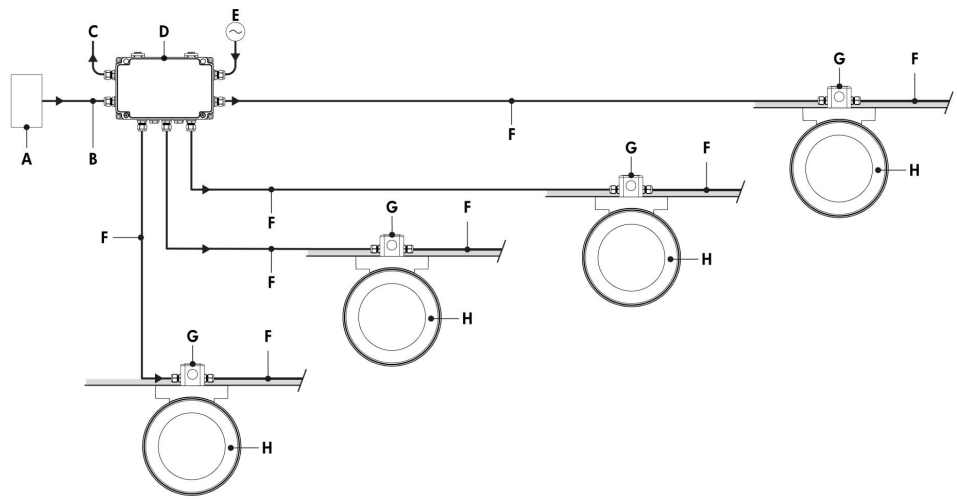
Maximum of 4 DMX/RDM repeaters/CBX cascading in line.

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)

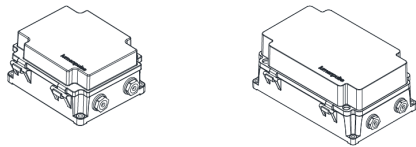


- A - DMX/RDM controller (to be ordered separately from Lumenpulse, or by others)
- B - Data input (Belden 9841 or equivalent, by others)
- C - Data output to next CBX (optional, non-isolated/non-boosted)
- D - CBX-ST
- E - Power line (120-277V AC, wiring by others)
- F - Power and data output to fixture (wiring by others)
- G - 4 in Octagonal/round junction box (by others)
- H - Lumencore Cylinder Medium Wall Mount

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.

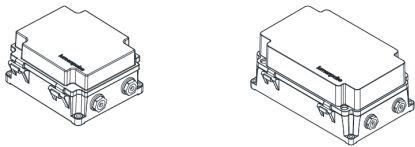
Control Boxes (Order Separately)

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.

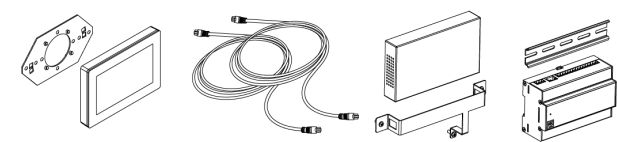
CBX-ENET - Ethernet Enabled (Daisy Chain or Star Configuration)



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.

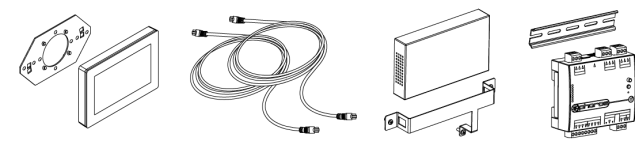
Control Systems (Order Separately)

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	Light Direction	Voltage	Length	Direct Lighting Output (Nominal Lumens)	Direct Lighting Color Temperature ⁽⁴⁾	Direct Lighting Color Rendering	Direct Lighting Optics (Nominal Distribution)
LACYM Lumencore Cylinder Medium - Ø6 in	A UL/cUL	WM Wall Mount	DI Direct/Indirect lighting	120/277 120-277 Volts Universal	13 13 in 18 18 in 23 23 in	dL07 700lm dL10 1000lm dL13 1300lm ⁽²⁾ dL20 2000lm ⁽³⁾	MRGBWP Opticolor+™ Mix-at-Source Red, Green, Blue Plus White Settable Range 22K to 65K ^{(5) (6)} MRGRBWP Opticolor+™ Mix-at-Source Red, Green, Royal Blue Plus White Settable Range 22K to 65K ^{(6) (7)}	CR90 CRI 90+ (White Light Only)	NS Narrow Spot 15° ⁽⁸⁾ N Narrow 25° ⁽⁹⁾ NFR Narrow Faceted Reflector 25° M Medium 40° MFR Medium Faceted Reflector 40° W Wide 60° WFR Wide Faceted Reflector 60°

Notes:

1. The optics and color temperature options specified for direct lighting may limit the available options for indirect lighting. The optics and color temperature options specified for indirect lighting may limit the available options for direct lighting. Refer to website product configurator for all exceptions.

2. Available for N, NFR, M, MFR, W and WFR optics only.

3. Available for NFR, M, MFR, W and WFR optics only.

4. White Channel Set Point or Warm Dimming Range is adjustable at commissioning. Consult Opticolor+ Personality Guide for details.
5. CRI 90 applies only to white light color temperatures from 2700K to 5000K.

6. 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.

7. CRI 90 applies only to white light color temperatures from 2700K to 6500K.

8. Available up to 1000 lumens.

9. Available up to 1300 lumens.

How to Order

Direct Lighting Control ⁽¹⁰⁾	Direct Lighting Accessories ^{(13) (14)}	Indirect Lighting Output (Nominal Lumens)	Indirect Lighting Color Temperature ⁽⁴⁾	Indirect Lighting Color Rendering	Indirect Lighting Optics (Nominal Distribution)
DMX/RDM DMX/RDM Enabled Dimming 0.1% ^{(11) (12)}	NA No Accessory SN Snoot ⁽¹⁵⁾ HSN Half Snoot ⁽¹⁵⁾ HL Honeycomb Louver ⁽¹⁶⁾ CL Clear Glass Lens SL Softening Glass Lens PD Prismatic Diffuser ⁽¹⁷⁾ LSN Linear Spread Lens Narrow (1° x 40°) ^{(18) (19)} LSW Linear Spread Lens Wide (1° x 60°) ^{(19) (20)}	iL07 700lm iL10 1000lm iL13 1300lm ⁽³⁾	MRGBWP Opticolor+™ Mix-at-Source Red, Green, Blue Plus White Settable Range 22K to 65K ^{(5) (6)} MRGRBWP Opticolor+™ Mix-at-Source Red, Green, Royal Blue Plus White Settable Range 22K to 65K ^{(6) (7)}	CR90 CRI 90+ (White Light Only)	NS Narrow Spot 15° ⁽⁸⁾ N Narrow 25° ⁽⁸⁾ NFR Narrow Faceted Reflector 25° M Medium 40° MFR Medium Faceted Reflector 40° W Wide 60° WFR Wide Faceted Reflector 60°

Notes:

3. Available for NFR, M, MFR, W and WFR optics only.

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

5. CRI 90 applies only to white light color temperatures from 2700K to 5000K.

6. 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.

7. CRI 90 applies only to white light color temperatures from 2700K to 6500K.

8. Available up to 1000 lumens.

10. Control options vary according to color temperature, color rendering and optics combination. Refer to website product configurator for details.

11. A Control Box (CBX-DS or CBX-ST) and lumenID (LID) must be specified.
12. Configurable to 3, 4, or 5 channel control via RDM in the field.

13. 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.

14. Maximum of two lenses can be installed for direct lighting. Maximum of two lenses can be installed for indirect lighting. The snoot or half snoot can be combined with any accessory. The clear glass lens and softening glass lens cannot be combined together. The linear spread lenses (LSN and LSW) are compatible with the snoot and half snoot accessories only.

15. Matte black interior surface, exterior finish matches housing color.

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

17. Recommended to be combined with HL accessory only.

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

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

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

How to Order

Indirect Lighting Control	Indirect Lighting Accessories ⁽¹³⁾ ⁽¹⁴⁾	Finish	Bezel	Bezel Finish ⁽²²⁾
DMX/RDM DMX/RDM Enabled Dimming 0.1% ⁽¹¹⁾ ⁽¹²⁾	NA No Accessory SN Snoot ⁽¹⁵⁾ HSN Half Snoot ⁽¹⁵⁾ HL Honeycomb Louver ⁽¹⁶⁾ CL Clear Glass Lens SL Softening Glass Lens PD Prismatic Diffuser ⁽¹⁷⁾ LSN Linear Spread Lens Narrow (1° x 40°) ⁽¹⁸⁾ ⁽¹⁹⁾ LSW Linear Spread Lens Wide (1° x 60°) ⁽¹⁹⁾ ⁽²⁰⁾	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 Gray MLG Metalized Gray IBR Italian Brick Red PWH Parget White CC Custom Color & Finish ⁽²¹⁾	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 Gray MLG Metalized Gray IBR Italian Brick Red PWH Parget White CC Custom Color & Finish ⁽²¹⁾

Notes:

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

12. Configurable to 3, 4, or 5 channel control via RDM in the field.

13. 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.

14. Maximum of two lenses can be installed for direct lighting. Maximum of two lenses can be installed for indirect lighting. The snoot or half snoot can be combined with any accessory. The clear glass lens and softening glass lens cannot be combined together. The linear spread lenses (LSN and LSW) are compatible with the snoot and half snoot accessories only.

15. Matte black interior surface, exterior finish matches housing color.
- 16.** When combined with another accessory, the HL will be factory-installed in second position (furthest from the LED source).

17. Recommended to be combined with HL accessory only.

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

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

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

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

22. Direct and indirect lighting bezel finishes are the same.