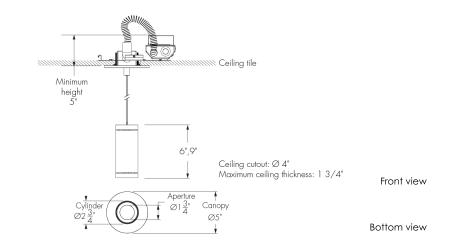
Project Name Qty

Type _____ Catalog / Part Number





Photometric Summary

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

Nominal	Delivered	Power (120V) Efficacy [lm/W]		Power (277V)	Efficacy	
output [lm]	output [lm]			[W]	[lm/W]	
700	596	16	37	16	37	

^{1.} Consult website for latest IES files.

Optics



Narrow Spot 15°

Wide 60°



Narrow 25°



40°

Medium Faceted Reflector

40°

Reflector 80°

SE SI

Very Wide

80°

Very Wide Faceted

Wide Faceted Reflector



True Asymmetric

Wallwash

Double Asymmetric

<u>Description</u>

The Lumencore Short Cylinder Opticolor+ Nano Pendant Remote 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

<u>Features</u>	
Mounting Options	Electrical cable mounting (flat canopy or deep canopy), Stem mounting (flat canopy or deep canopy)
Suspension Length	Metal pipe (12 in, 24 in, 36 in or 48 in) Pendant cable (50 in, 100 in or 250 in, field adjustable, black or white)
Light Direction	Direct lighting
Length	6 in, 9 in
Installation Type	Remodel Non-Insulated Ceiling (Plenum Rated in Accordance to UL 2043 & CAN/ULC-\$142), New Construction Non-Insulated Ceiling (Plenum Rated in Accordance to UL 2043 & CAN/ULC-\$142), Surface Mount Friver (Plenum Rated in Accordance to UL 2043 & CAN/ULC-\$142)
Direct Lighting Output (Nominal Lumens)	700lm, 1000lm
Direct Lighting 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

 $^{^{2\}cdot}$ Photometric performance is measured in compliance with IESNA LM-79-24.

Color and Color Temperature





opticolor+ 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

Control

DMX/RDM

Color Rendering

CRI 90+

Finish



Direct Lighting Optics (Nominal Distribution)	Narrow Spot 15°, Narrow 25°, Medium 40°, Medium Faceted Reflector 40°, Wide 60°, Wide Faceted Reflector 60°, Very Wide 80°, Very Wide Faceted Reflector 80°, True Asymmetric Wallwash, Double Asymmetric
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
Certifications	UL compliant (this luminaire is listed & labeled for such use in accordance with UL2043 & CAN/ULC-\$142)
Warranty	5-year limited warranty
Physical	
Weight	1.4 lbs for 6 in fixture,1.8 lbs for 9 in fixture2.5 lbs for RM, NC and SMD installation types
Housing Material	Aluminum
TIR Optics Material	Clear polycarbonate
Reflector Material	Aluminum
Performance	
Maximum Delivered Output	Up to 851 Im Very Wide Faceted Reflector Optic 80°, MRGBWP Optidrive™ Enabled (White 3000K 96+ CRI, DMX/RDM) Up to 889 Im Very Wide Faceted Reflector Optic 80°, MRGBWP Optidrive™ Enabled (White 4000K 95+ CRI, DMX/RDM)
Maximum Delivered Intensity	Up to 3,153 cd Narrow Spot Optic 15°, MRGBWP Optidrive™ Enabled (White 3000K CRI 96+, DMX/RDM) Up to 3,191 cd Narrow Spot Optic 15°, MRGBWP Optidrive™ Enabled (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)
Electrical and Control	
Voltage	120-277 Volts Universal
Control	DMX/RDM Enabled Dimming 0.1%
Environmental	
Environment	Damp location (interior applications only)

-4 °F to 86 °F

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

IP20



Italian

Brick Red

Parget

White

Custom

Color &

Finish

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Control Boxes

Operating Temperature

Ingress Protection Rating

Accessories (Order Separately)

Certifications







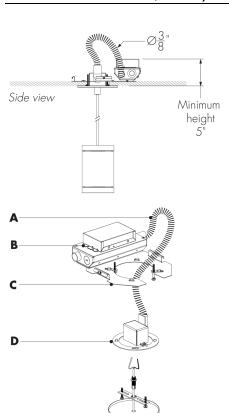


Virtual Patent Marking Notice

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.

Mounting Kit Dimensions

RM: Remodel Non-Insulated Ceiling (Plenum Rated in accordance to UL 2043 & CAN/ULC-\$142)

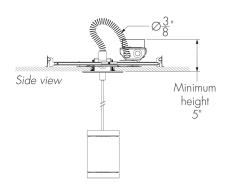


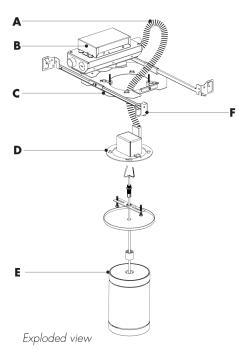
Exploded view

- A 18 in length BX cable*
- **B** Driver box
- C Plaster frame
- **D** Mounting ring
- **E** Lumencore Short Cylinder Nano Pendant Remote (cable mount shown)
- *An 18 in length is provided. The BX cable can be replaced with a suitable equivalent as per local electrical and construction code.

Remote distance is a maximum of 100 ft. For longer remote distances, please contact Lumenpulse Application Engineering Team for application validation.

NC: New Construction Non-Insulated Ceiling (Plenum Rated in Accordance to UL 2043 & CAN/ULC-\$142)



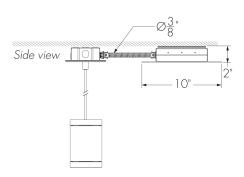


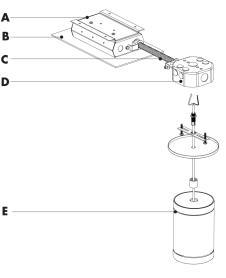


- **B** Driver box
- C Plaster frame
- **D** Mounting ring
- **E** Lumencore Short Cylinder Opticolor+ Nano Pendant Remote (cable mount shown)
- F Hanger bars
- *An 18 in length is provided. The BX cable can be replaced with a suitable equivalent as per local electrical and construction code.

Remote distance is a maximum of 100 ft. For longer remote distances, please contact Lumenpulse Application Engineering Team for application validation.

SMD - Surface Mount Driver (Plenum Rated in accordance to UL 2043 & CAN/ULC-S142)





Exploded view

- A Driver box**
- B Driver box cover**
- C 18 in length BX cable*
- **D** Junction box
- **E** Lumencore Short Cylinder Opticolor+ Nano Pendant Remote (cable mount shown)
- *An 18 in length is provided. The BX cable can be replaced with a suitable equivalent as per local electrical and construction code.
- **The SMD driver box and cover are painted matte white (MWH) as standard. Consult factory for custom color paint options.

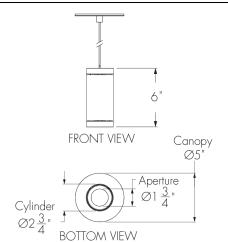
Remote distance is a maximum of 100 ft. For longer remote distances, please contact Lumenpulse Application Engineering Team for application validation.

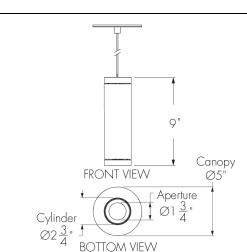


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Fixture Dimensions (Shown With Flat Canopy & Cable Options)

The fixture uses an electrical cable for its pendant cable.

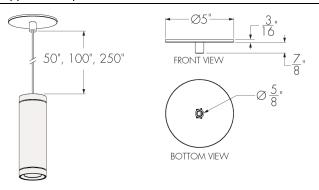




9 in

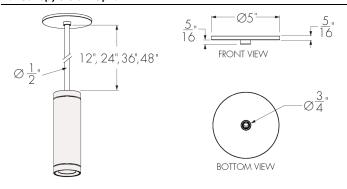
Mounting Option Dimensions (9 in Fixture Shown)

Flat Canopy & Cable Option

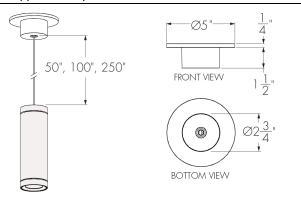


The fixture uses an electrical cable for its pendant cable.

Flat Canopy & Stem Option

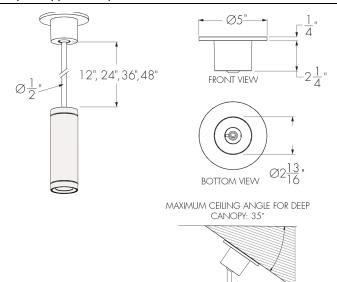


Deep Canopy & Cable Option



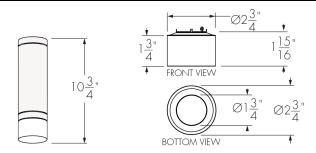
The fixture uses an electrical cable for its pendant cable.

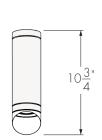
Deep Canopy & Stem Option

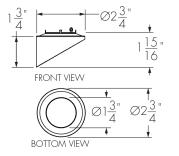


Optical Accessory Dimensions (9 in Fixture Shown)

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







Power Consumption

RM: Remodel Non-Insulated Ceiling and NC: New Construction Non-Insulated Ceiling (Plenum Rated in Accordance to UL 2043 & CAN/ULC-\$142)

Power Consumption [W]										
NS (15°) - N (25°) - WW M (40°) - MFR (40°) - W (60°) - WFR (60° VW (80°) - VWFR (80°) - DAS										
Output [lm]	120 V	277 V	120 V	277 V						
700	16	16	13	13						
1000	N/A	N/A	18	18						

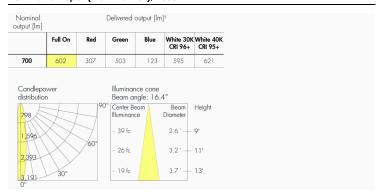
SMD - Surface Mount Driver (Plenum Rated in accordance to UL 2043 & CAN/ULC-\$142)

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

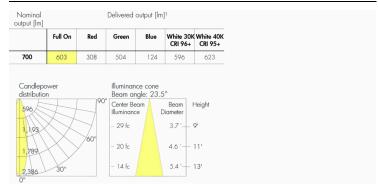
Power Consumption values are based on a MRGBWP or MRGRBWP Full On configuration.

Photometric Information - Direct Lighting Optics

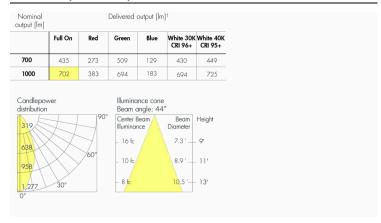
NS - Narrow Spot (Nominal 15°), 4000K



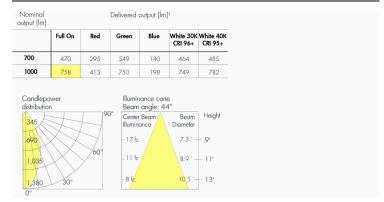
N - Narrow (Nominal 25°), 4000K



M - Medium (Nominal 40°), 4000K

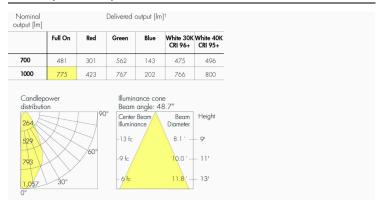


MFR - Medium Faceted Reflector (Nominal 40°), 4000K

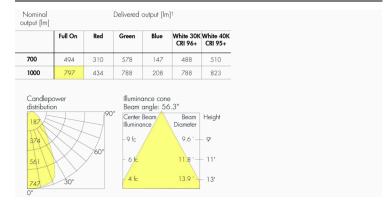


† Consult website for latest IES files. Delivered output: +/- 10% tolerance. Photometric performance is measured in compliance with IESNA LM-79-24.

W - Wide (Nominal 60°), 4000K

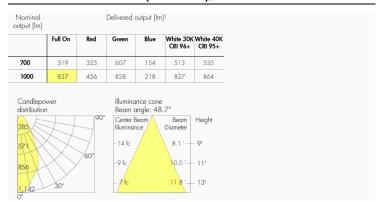


VW - Very Wide Reflector (Nominal 80°), 4000K

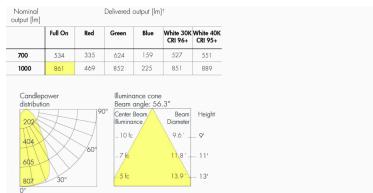


† Consult website for latest IES files. Delivered output: +/- 10% tolerance. Photometric performance is measured in compliance with IESNA LM-79-24.

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



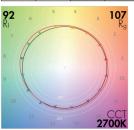
VWFR - Very Wide Faceted Reflector (Nominal 80°), 4000K



TM-30

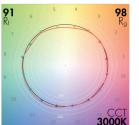
2700K - CRI 90+

CRI 90+								
ССТ	C	TM-30						
2700K	R _a	90	92	R _f				
	R ₉	76	107	Rg				



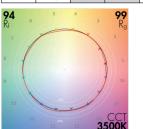
3000K - CRI 90+

CRI 90+									
CCT CIE TM-30									
3000К	R _a	96	91	R _f					
	R ₉	94	98	Rg					



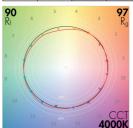
3500K - CRI 90+

CRI 90+									
ССТ	(TM	1-30						
3500K	R _a	97	94	R _f					
	R ₉	83	99	Rg					



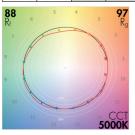
4000K - CRI 90+

CRI 90+										
ССТ	C	TM	1-30							
4000K	R _a	95	90	R _f						
	R ₉	97	97	Rg						



5000K - CRI 90+

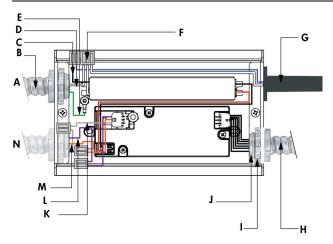
CRI 90+									
ССТ	C	IE	TM-30						
5000К	R _a	91	88	$R_{\rm f}$					
	R ₉	78	97	Rg					



Refer to TM-30 Reference Guide for details.

Wiring Details RM: Remodel Non-Insulated Ceiling and NC: New Construction Non-Insulated Ceiling (Plenum Rated in Accordance to UL 2043 & CAN/ULC-S142)

DMX/RDM Control (DMX/RDM)

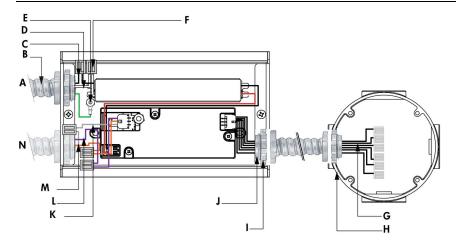


Refer to installation instructions for additional wiring details.

- A Power input
- **B** Conduit (by others)
- C Line
- **D** Neutral
- E Ground
- F Connectors
- G Thermal protector
- **H** Output to fixture
- I Conduit fitting (by others)
- J Locknut (by others)
- **K** Signal common
- L Data +
- M Data -
- N Data input from control system

Wiring Details SMD: Surface Mount Driver (Plenum Rated in Accordance to UL 2043 & CAN/ULC-S142)

DMX/RDM Control (DMX/RDM)



Refer to installation instructions for additional wiring details.

- A Power input
- **B** Conduit (by others)
- C Line
- **D** Neutral
- E Ground
- F Connectors
- **G** Output to fixture
- **H** Octagonal/round junction box
- I Conduit fitting (by others)
- J Locknut (by others)
- K Signal common
- L Data +
- M Data -
- N Data input from control system

Optical Accessories

SN - Snoot



LACYN - SN

XLVR - Concentric Ring Louver

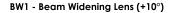


LACYN- XLVR

PD – Prismatic Diffuser



LACYN - PD





LACYN - BW1

DR - Decorative Ring



LACYN - DR

HSN - Half Snoot



LACYN - HSN

CL - Clear Glass Lens



LACYN - CL

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





Horizontal Beam Distribution

40°

Vertical Beam Distribution

LACYN - LSN

BW2 - Beam Widening Lens (+20°)



LACYN - BW2

HL - Honeycomb Louver



LACYN - HL

SL - Softening Glass Lens



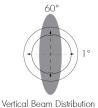
LACYN - SL

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



1° 60°

Horizontal Beam Distribution



venic

LACYN - LSW

BW3 - Beam widening lens (+30°)



LACYN - BW3

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 Contol 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	Installation Type	Direct Lighting Output (Nominal Lumens)	Direct Lighting Color Temperature ⁽¹³⁾	Direct Lighting Color Rendering
LACYN Lumencore Short Cylinder Nano - Ø2 3/4 in	A UL/cUL	PMF Pendant Mount Flat Canopy PMD Pendant Mount Deep Canopy PSF Pendant Stem Mount Flat Canopy (2) PSD Pendant Stem Mount Open Canopy (2) PSD Pendant Stem Mount Open Canopy (2)	MWH Matte White MBK Matte Black MSI Matte Silver CC Custom Color (3) (4)	M1 Metal Pipe (12 in) (8) M2 Metal Pipe (24 in) (15) M3 Metal Pipe (24 in) (15) M4 Metal Pipe (48 in) (15) CA50BK Electrical Cable Pendant Black (50 in, field Adjustable) (9) CA100BK Electrical Cable Pendant Black (100 in, field Adjustable) (9) CA250BK Electrical Cable Pendant Black (250 in, field Adjustable) (9) CA50BK Electrical Cable Pendant Black (250 in, field Adjustable) (9) CA50BK Electrical Cable Pendant Black (250 in, field Adjustable) (9) CA50BK Electrical Cable Pendant Black (250 in, field Adjustable) (9) CA50BK Electrical Cable Pendant White (50 in, field Adjustable) (9) CA100BK Electrical Cable Pendant White (100 in, field Adjustable) (10) CA250BK Electrical Cable Pendant White (100 in, field Adjustable) (10) CA250BK Electrical Cable Pendant White (250 in, field Adjustable) (10)	D Direct lighting	120 120 Volts (8) 277 277 Volts (8) 120/277 120-277 Volts Universal (9) 120/277 120-277 Volts 120/277 120/27	6 6 in 9 9 in	RM Remodel Non- Insulated Ceiling (Plenum Rated in Accordance to UL 2043 & CAN/ULC- \$142) NC New Construction Non- Insulated Ceiling (Plenum Rated in Accordance to UL 2043 & CAN/ULC- \$142) SMD Surface Mount Friver (Plenum Rated in Accordance to UL 2043 & CAN/ULC- \$142 (Plenum)	dL07 700lm dL10 1000lm (12)	MRGBWP Opticolor+TM Mix-at- Source Red, Green, Blue Plus White Settable Range 22k to 65k (1-4) (1/5) MRGRBWP Opticolor+TM Mix-at- Source Red, Green, Royal Blue Plus White Settable Range 22k to 65K (1/5) (1/4)	CR90 CRI 90+ (White Light Only)

Notes:

- Refer to website product configurator for all exceptions.
 Stem finish matches fixture housing color.
- 3. Refer to Finish section for additional color codes (ex. MGR).
 4. Longer lead times can be expected for custom RAL color finishes.
- 5. Metal pipe available for PSF and PSD mounting options only.
- Electrical cable pendant available for PMF and PMD mounting options only.
 Strain relief matches color of electrical cable.
- 8. Available for RM and NC Installation Types only
- Available for SMD Installation Type only.
- $\begin{tabular}{ll} \bf 10. \ Power \ values \ may \ differ \ for \ RM/NC/SMD \ version \ short \ cylinder \ only. \end{tabular}$

- 11. The SMD driver box and cover are painted matte white (MWH) as standard. Consult factory for custom color paint options.

 12. Not available with NS, N and WW optics.
- 13. White Channel Set Point or Warm Dimming Range is adjustable at commissioning. Consult Opticolor+ Personality Guide for details.
- 14. CRI 90 applies only to white light color temperatures from 2700K to 5000K.
- 15, Fixtures are shipped from the factory in Optidrive™ Mode. Normal Mode can be activated onsite for DMX/RDM fixtures. For DMX/RDM applications, Optidive Mode requires a LumenID, LumenID software and onsite commissioning. Additionally, with Opticolor+TM the white CCT is configurable in the field from 2200K-8000K.

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



How to Order

Direct Lighting Optics (Nominal Distribution)	Direct Lighting Control	Direct Lighting Accessories ^{(22) (23)}	Finish	Bezel	Bezel Finish
NS Narrow Spot 15° (17)	DMX/RDM DMX/RDM Enabled Dimming 0.1% ⁽²⁰⁾ (21)	NA No Accessory	MWH Matte White	b Bezel	MWH Matte White
N Narrow 25° ⁽¹⁷⁾		SN Snoot ⁽²⁴⁾	MBK Matte Black		MBK Matte Black
M Medium 40°		HSN Half Snoot ⁽²⁴⁾	MBR Matte Brown		MBR Matte Brown
MFR Medium Faceted Reflector 40°		HL Honeycomb Louver	MOR Matte Orange		MOR Matte Orange
W Wide 60°		XLVR Concentric Ring	MGR Matte Green		MGR Matte Green
WFR Wide Faceted		Concentric Ring Louver (26) (27)	MBL Matte Blue		MBL Matte Blue
Reflector 60° VW		Clear Glass Lens	MSI Matte Silver		MSI Matte Silver
Very Wide 80° VWFR		Softening Glass Lens PD	GWH Glossy White		GWH Glossy White
Very Wide Faceted Reflector 80°		Prismatic Diffuser (28)	GBK Glossy Black		GBK Glossy Black
WW True Asymmetric Wallwash ⁽¹⁷⁾ ⁽¹⁸⁾		Linear Spread Lens Narrow (1° x 40°) (29) (30)	GYL Glossy Yellow		GYL Glossy Yellow
DAS Double Asymmetric		LSW Linear Spread Lens Wide (1° x 60°) (30) (31)	GLR Glossy Red GVI		GLR Glossy Red GVI
		BW1 Beam Widening Lens	Glossy Violet GGR		Glossy Violet GGR
		(+10°) (30)	Glossy Green		Glossy Green
		Beam Widening Lens (+20°) ⁽³⁰⁾	Glossy Ivory		Glossy Ivory
		BW3 Beam Widening Lens (+30°) (30)	Concrete Gray MLG		Concrete Gray MLG
		DR Decorative Ring (32)	Metalized Gray		Metalized Gray
			IBR Italian Brick Red		IBR Italian Brick Red
			PWH Parget White		PWH Parget White
			CC Custom Color & Finish		CC Custom Color & Finish

Notes:

- 4. Longer lead times can be expected for custom RAL color finishes.
- 17. Available up to 700 lumens.18. The color of the true asymmetric wallwash baffle matches the fixture bezel.
- 19. The color of the double asymmetric baffle is metallic gray.
 20. A Control Box (CBX-DS or CBX-ST) and lumenID (LID) must be specified.
- 21. Configurable to 3, 4, or 5 channel control via RDM in the field.
- 22. 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.
- 23. Maximum of two lenses can be installed per fixture. The Snoot (SN) or Half Snoot (HSN) can be combined with any accessory. The Linear Spread Lenses (LSN or LSW) are compatible with the Snoot and Half Snoot accessories only. The Clear Glass Lens (GL), Beam Widening Lens (BW1, BW2 or BW3) and Softening Glass Lens (SL) cannot be combined together. Optical accessories are not available for WW or DAS optics.
- 24. Matte black interior surface, exterior finish matches housing color.
- 25. When combined with another accessory, the HL will be factory-installed in second position (furthest from the LED source).
- 26. Available for NS optic only.
- 27. Can be combined with PD accessory only.

 28. Recommended to be combined with HL or XLVR accessory only.
- 29. Nominal 10° x 40° distribution when used with the NS optic.
- 30. For optimal performance, it is not recommended to mix with other accessories.
- 31. Nominal 10° x 60° distribution when used with the NS optic.
- 32. 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.

