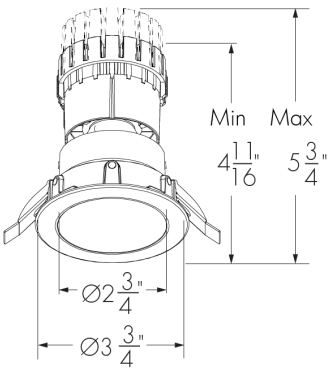


Project Name

Qty

Type

Catalog / Part Number



Round trim
(Shown with 1 in ceiling springs)
Round trim ceiling cutout: Ø3.25 in

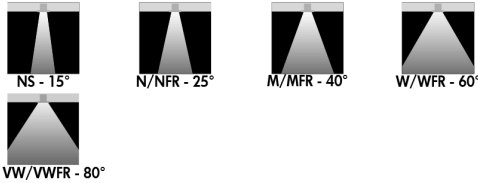
Photometric Summary

Based on Medium Faceted Reflector Optic (Nominal 40°), MRGBWP in Optidrive™ (White 3000K CRI 95+)

Nominal Output [lm]	Delivered Output [lm] ⁽¹⁾	Insulated ceiling	Non-insulated ceiling
		Power (120V) [W]	Power (120V) [W]
700	395	11	13
1000	637	16	18
1300	877	N/A	25

¹ Consult website for latest IES files.
² Refer to the Lumencore Recessed Opticolor+ Nano Photometric Guide on Lumenpulse website for information on other color temperatures.

Optics



Color and Color Temperature



Color Rendering

CRI
90+

Description

The Lumencore Recessed Opticolor+ Nano Shower Rated is a high-performance, color-changing interior LED luminaire. This versatile three-in-one fixture offers Dynamic RGBW Colors, Dynamic White with Dim-to-Warm, and Premium Static White, all while upholding Lumenpulse's renowned quality of light and precision. Available in an array of trims and finishes, optics, accessories, and with a Shower Rated IP55 Dead Front.

Physical

Cutout	R: Round
Decorative Bezel	Deep Rollover, Polycarbonate bezel for Dead Front protection
Ceiling Thickness	1: 0.04 in to 1 in Ceiling Thickness 2: 1.05 in to 2 in Ceiling Thickness
Housing Material	Aluminum
Lens Seal Material	Silicone
Gasket Material	Urethane foam
TIR Optics Material	Clear polycarbonate
Reflector Material	Aluminum
Bezel Material	Polycarbonate
Weight	3 lbs with RM installation type, 4.2 lbs with NC installation type, 7.2 lbs with PC, IC and IC/AT installation types (Weights are approximate based on the heaviest fixture configuration)

Please consult factory if exact fixture weight is needed

<div>Control</div> <div>DMX/RDM</div>	<div>Ceiling Space Requirements (Length x Width x Height)</div> <div>Up to 15 in x 8 in x 9 in with RM installation type, Up to 15 in x 10 in x 9 in with NC installation type Up to 18 in x 15 in x 9 in with PC, IC and IC/AT installation types Dimensions will vary by output, refer to Ceiling Requirements table for details</div>														
<div>Ceiling Cutout Shape</div> <div><div><div><div>Ø3 1/4" [83mm]</div><div>R - Round</div></div></div></div>	<div>Features</div> <table><tr><td>Output (Nominal Lumens)</td><td>L05: 500 lm, L07: 700 lm, L10: 1000 lm, L13: 1300 lm</td></tr><tr><td>Color and Color Temperature</td><td>MRGBWP: MRGBW With Opticolor+ (Red, Green, Blue, Plus White Settable Range 22K to 65K CRI 90+)</td></tr><tr><td>Optics (Nominal Distribution)</td><td>NS: Narrow Spot Distribution 15° N: Narrow Distribution 25° NFR: Narrow Faceted Reflector 25° M: Medium Reflector 40° MFR: Medium Faceted Reflector 40° W: Wide Reflector 60° WFR: Wide Faceted Reflector 60° VW: Very Wide Reflector 80° VWFR: Very Wide Faceted Reflector 80°</td></tr><tr><td>Decorative Bezel Finish</td><td>MWH: Matte White MBK: Matte Black</td></tr><tr><td>Installation Type</td><td>RM: Remodel Non-Insulated Ceiling (Non-Plenum Rated) NC: New Construction Non-Insulated Ceiling (Non-Plenum Rated) PC: Plenum Non-Insulated Ceiling (Enclosed Box) IC: New Construction Insulated Ceiling (Enclosed Box) IC/AT: New Construction Insulated Ceiling (Chicago Plenum/airtight, enclosed box)</td></tr><tr><td>Certifications</td><td>UL compliant, UL Wet Location, RoHS</td></tr><tr><td>Warranty</td><td>5-year limited warranty</td></tr></table>	Output (Nominal Lumens)	L05: 500 lm, L07: 700 lm, L10: 1000 lm, L13: 1300 lm	Color and Color Temperature	MRGBWP: MRGBW With Opticolor+ (Red, Green, Blue, Plus White Settable Range 22K to 65K CRI 90+)	Optics (Nominal Distribution)	NS: Narrow Spot Distribution 15° N: Narrow Distribution 25° NFR: Narrow Faceted Reflector 25° M: Medium Reflector 40° MFR: Medium Faceted Reflector 40° W: Wide Reflector 60° WFR: Wide Faceted Reflector 60° VW: Very Wide Reflector 80° VWFR: Very Wide Faceted Reflector 80°	Decorative Bezel Finish	MWH: Matte White MBK: Matte Black	Installation Type	RM: Remodel Non-Insulated Ceiling (Non-Plenum Rated) NC: New Construction Non-Insulated Ceiling (Non-Plenum Rated) PC: Plenum Non-Insulated Ceiling (Enclosed Box) IC: New Construction Insulated Ceiling (Enclosed Box) IC/AT: New Construction Insulated Ceiling (Chicago Plenum/airtight, enclosed box)	Certifications	UL compliant, UL Wet Location, RoHS	Warranty	5-year limited warranty
Output (Nominal Lumens)	L05: 500 lm, L07: 700 lm, L10: 1000 lm, L13: 1300 lm														
Color and Color Temperature	MRGBWP: MRGBW With Opticolor+ (Red, Green, Blue, Plus White Settable Range 22K to 65K CRI 90+)														
Optics (Nominal Distribution)	NS: Narrow Spot Distribution 15° N: Narrow Distribution 25° NFR: Narrow Faceted Reflector 25° M: Medium Reflector 40° MFR: Medium Faceted Reflector 40° W: Wide Reflector 60° WFR: Wide Faceted Reflector 60° VW: Very Wide Reflector 80° VWFR: Very Wide Faceted Reflector 80°														
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Installation Type	RM: Remodel Non-Insulated Ceiling (Non-Plenum Rated) NC: New Construction Non-Insulated Ceiling (Non-Plenum Rated) PC: Plenum Non-Insulated Ceiling (Enclosed Box) IC: New Construction Insulated Ceiling (Enclosed Box) IC/AT: New Construction Insulated Ceiling (Chicago Plenum/airtight, enclosed box)														
Certifications	UL compliant, UL Wet Location, RoHS														
Warranty	5-year limited warranty														
<div>Decorative Bezel</div> <div><div><div><div></div><div>DR - Deep rolled over</div></div></div></div>															
<div>Standard Finishes for Decorative Bezel</div> <div><div><div><div></div><div>MWH - Matte white</div></div><div><div></div><div>MBK - Matte black</div></div></div></div>															
<div>Trim Shape</div> <div><div><div><div></div><div>RD - Round</div></div></div></div>															
<div>Ratings</div> <div><div>IP55</div><div><div><div>UL</div><div>Wet Location</div></div></div></div>															
<div>Certifications</div> <div><div><div><div>UL</div><div>US</div></div><div><div>✓</div><div>RoHS</div></div><div><div>5</div><div>YEARS</div><div>lumenpulse</div></div></div></div>															
	<div>Performance</div> <table><tr><td>Delivered Output</td><td>Up to 946 lm Very Wide Faceted Reflector Optic 80°, MRGBWP Optidrive™ Enabled (White 3000K CRI 95+, DMX/RDM) Up to 988 lm Very Wide Faceted Reflector Optic 80°, MRGBWP Optidrive™ Enabled (White 4000K CRI 95+, DMX/RDM)</td></tr><tr><td>Delivered Intensity</td><td>Up to 3,012 cd Narrow Spot Optic 15°, MRGBWP Optidrive™ Enabled (White 3000K CRI 95+, DMX/RDM) Up to 3,145 cd Narrow Spot Optic 15°, MRGBWP Optidrive™ Enabled (White 4000K CRI 95+, DMX/RDM)</td></tr><tr><td>Color Consistency</td><td>3 SDCM (in white light color temperatures)</td></tr><tr><td>Color Rendering</td><td>90: CRI 90+ (White Light Only)</td></tr><tr><td>Lumen Maintenance</td><td>L95 50,000 hrs (Ta 25 °C)</td></tr></table>	Delivered Output	Up to 946 lm Very Wide Faceted Reflector Optic 80°, MRGBWP Optidrive™ Enabled (White 3000K CRI 95+, DMX/RDM) Up to 988 lm Very Wide Faceted Reflector Optic 80°, MRGBWP Optidrive™ Enabled (White 4000K CRI 95+, DMX/RDM)	Delivered Intensity	Up to 3,012 cd Narrow Spot Optic 15°, MRGBWP Optidrive™ Enabled (White 3000K CRI 95+, DMX/RDM) Up to 3,145 cd Narrow Spot Optic 15°, MRGBWP Optidrive™ Enabled (White 4000K CRI 95+, DMX/RDM)	Color Consistency	3 SDCM (in white light color temperatures)	Color Rendering	90: CRI 90+ (White Light Only)	Lumen Maintenance	L95 50,000 hrs (Ta 25 °C)				
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Color Consistency	3 SDCM (in white light color temperatures)														
Color Rendering	90: CRI 90+ (White Light Only)														
Lumen Maintenance	L95 50,000 hrs (Ta 25 °C)														
	<div>Electrical and Control</div> <table><tr><td>Voltage</td><td>120: 120 Volts, 277: 277 Volts</td></tr></table>	Voltage	120: 120 Volts, 277: 277 Volts												
Voltage	120: 120 Volts, 277: 277 Volts														

Wattage Range	13W to 25W (wattage will vary based on voltage, output and optic, refer to Power Consumption table for details)
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Control	DMX/RDM: DMX/RDM Enabled Dimming 0.1%
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Environmental

Ingress Protection Rating	IP54, IP55 (suitable for "Dead Front" shower rated locations)
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Environment	Wet location rating
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Operating Temperature (Ceiling Cavity Ambient Temperature)	-4 °F to 104 °F (DMX/RDM control option)
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Accessories (Order Separately)

Control Systems	Pharos® Lighting Control Kit (PHAROS), Pharos® Expert Control Kit (EXPERT)
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Diagnostic and Addressing Tools	LumenID (LID)
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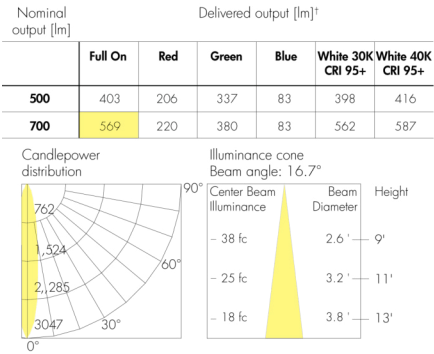
Important

Virtual Patent Marking Notice

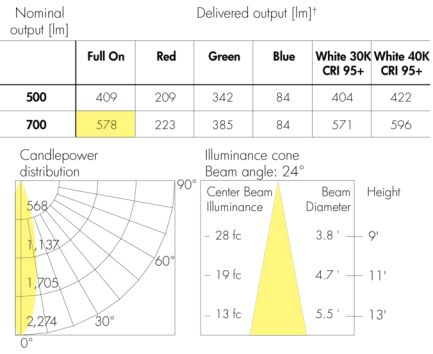
This website (<https://www.lmpg.com/patents-trademarks>) is provided to satisfy the virtual patent marking provisions of applicable jurisdictions. Some products listed may be covered by additional patents not referenced here.

Photometric Information

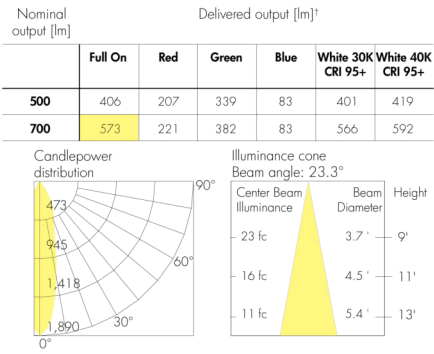
NS - Narrow Spot (Nominal 15°), 4000K



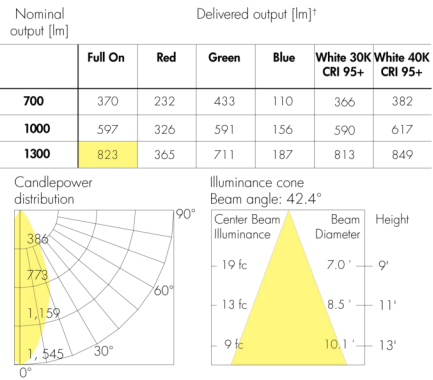
N - Narrow (Nominal 25°), 4000K



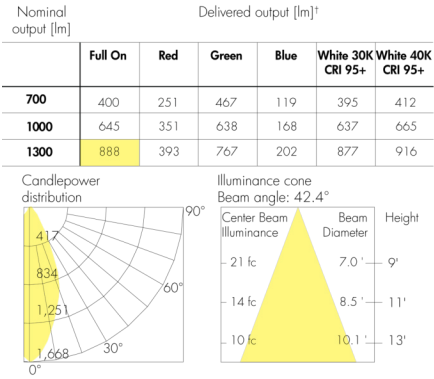
NFR - Narrow Faceted Reflector (Nominal 25°), 4000K



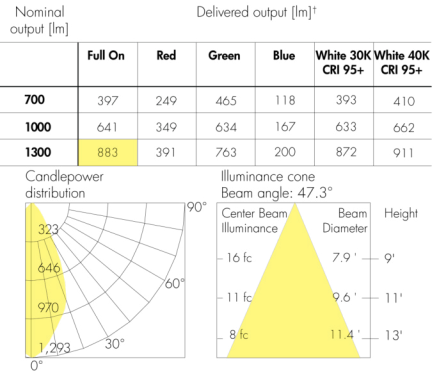
M - Medium Reflector (Nominal 40°), 4000K



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



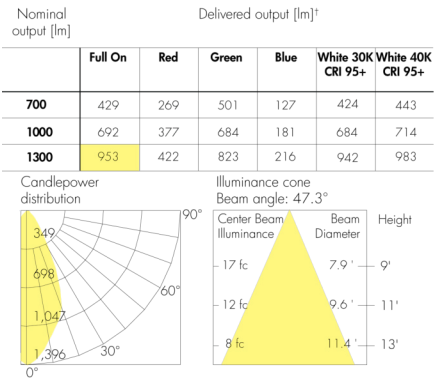
W - Wide Reflector (Nominal 60°), 4000K



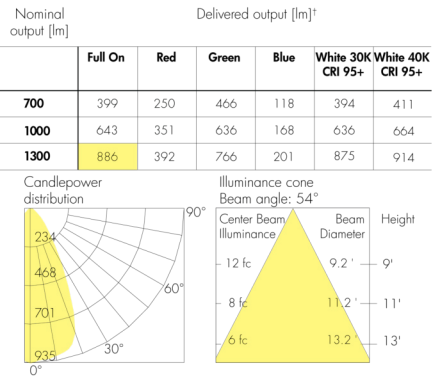
Photometric information is based on a factory-set Optidrive™ mode configuration.

† Consult website for IES files. Delivered output: +/- 10% tolerance.
Photometric performance is measured in compliance with IESNA LM 79-08.
Consult Power Consumption section for wattage information.

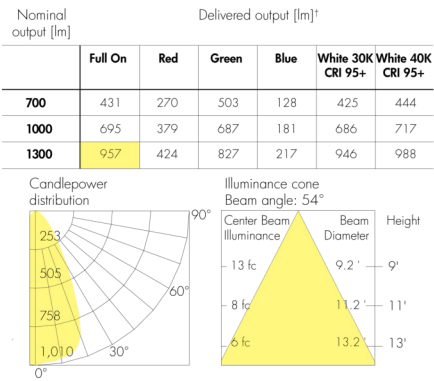
WFR - Wide Faceted Reflector (Nominal 60°), 4000K



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



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



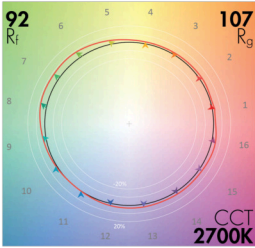
Photometric information is based on a factory-set Optidrive™ mode configuration.

† Consult website for IES files. Delivered output: +/- 10% tolerance.
Photometric performance is measured in compliance with IESNA LM 79-08.
Consult Power Consumption section for wattage information.

TM-30

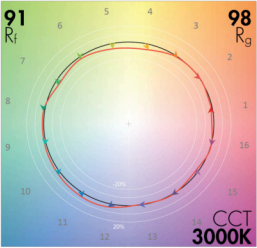
2700K - CRI 90+

CRI 90+				
CCT	CIE		TM-30	
2700K	R _a	90	92	R _f
	R ₉	76	107	R _g



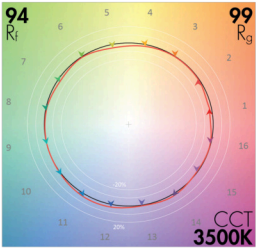
3000K - CRI 90+

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



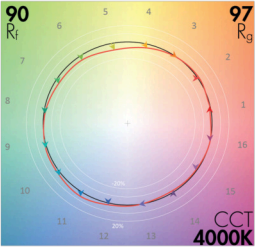
3500K - CRI 90+

CRI 90+				
CCT	CIE		TM-30	
3500K	R _a	97	94	R _f
	R ₉	83	99	R _g



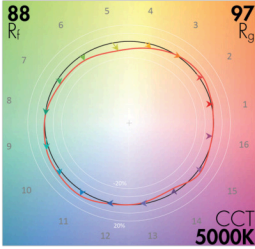
4000K - CRI 90+

CRI 90+				
CCT	CIE		TM-30	
4000K	R _a	95	90	R _f
	R ₉	97	97	R _g



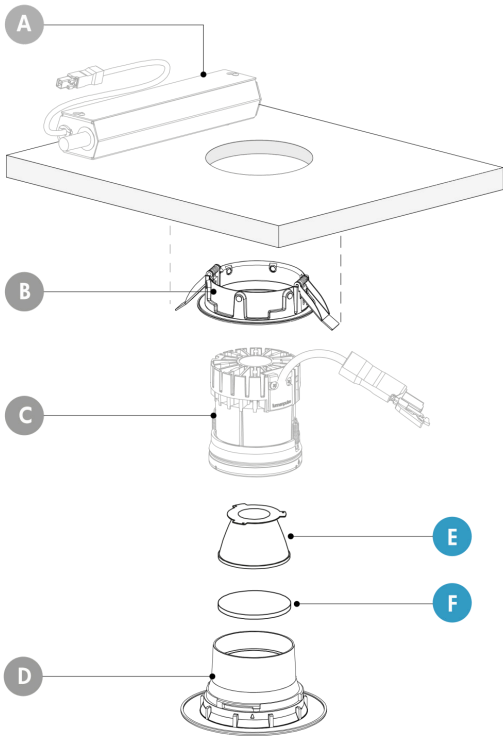
5000K - CRI 90+

CRI 90+				
CCT	CIE		TM-30	
5000K	R _a	91	88	R _f
	R ₉	78	97	R _g



Refer to TM-30 Reference Guide for details.

Exploded Overview - Part Selection



Standard Parts

- A - MTG Mounting kit
- B - Ceiling mounting ring, complete with a urethane foam gasket
- C - LUM Core (heatsink, universal fixing ring, LED module)
- D - Deep rolled over decorative bezel (plastic material for "Dead Front" shower applications complete with silicone-sealed glass lens)

MTG: Mounting Kit
LUM: Luminaire

Customizable Parts

- E - Optic*
- F - Optical accessory**

*Field changeable. Consult Interchangeable Optics section of the specification sheet for details. Consult factory for ordering details.

**Field changeable, consult installation instructions for details. Consult factory for ordering details.

Ceiling Requirements

Ceiling Cavity Space Requirements (Length x Width x Height)

Installation type	Output/Color Rendering			
	L05	L07	L10	L13
RM	15"x 8"x 9" (with trim)			
NC	15"x 10"x 9" (with trim)			
PC/IC/ICAT	14.5"x 10"x 7"		18"x 15"x 9"	N/A

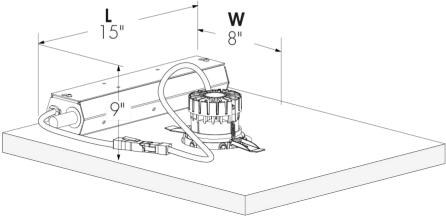
See Installation Type section for dimensional view of keep out and/or MTG mounting kit option.
Above dimensions include any keep out requirements for proper airflow and thermal cooling.

Installation Types

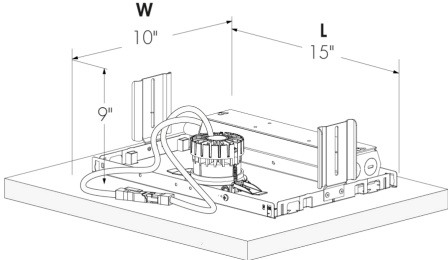
RM: Remodel Non-Insulated Ceiling
(Non-Plenum Rated)

NC: New Construction Non-Insulated Ceiling
(Non-Plenum Rated)

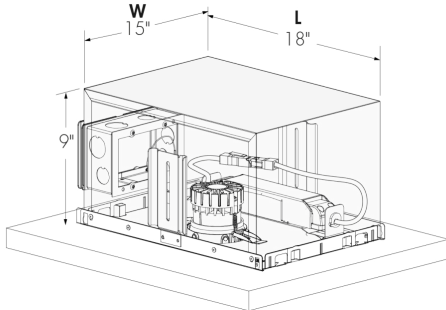
IC, PC, IC/AT: New Construction Insulated and Non-
Insulated Ceiling (Enclosed Box)



Ceiling cavity space requirements up to L13 shown.



Ceiling cavity space requirements up to L13 shown.



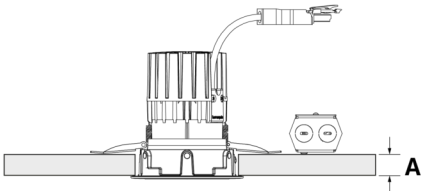
IC - New construction insulated ceiling (enclosed box)
PC - Plenum non-insulated ceiling (enclosed box)
IC/AT - New construction insulated ceiling (Chicago Plenum/airtight, enclosed box)
Ceiling cavity space requirements for L10 shown.

Fixture shown for reference only. Refer to Ceiling Requirements section and installation instructions for dimensions and ceiling cutout requirements.

Ceiling Requirements

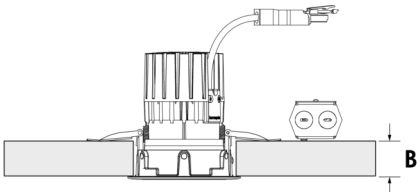
Ceiling Thickness Options

Ceiling Thickness 1



A - Ceiling thickness range: 0.04 in to 1 in

Ceiling Thickness 2



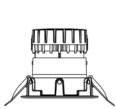
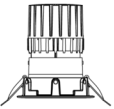
B - Ceiling thickness range: 1.05 in to 2 in

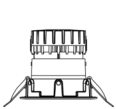
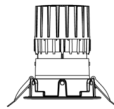
Ceiling springs are field changeable, consult installation instructions and factory for details.

Lumen Output and Installation Type

RM: Remodel Non-Insulated Ceiling (Non-Plenum Rated)
NC: New Construction Non-Insulated Ceiling (Non-Plenum Rated)

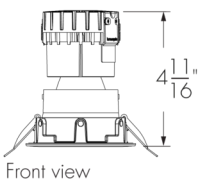
IC, PC, IC/AT - New Construction Insulated And Non-Insulated Ceiling

		
Optic	Lumen Output	Lumen Output
NS, N, NFR	N/A	L05
M, MFR, W, WFR, VV	L07, L10	L13

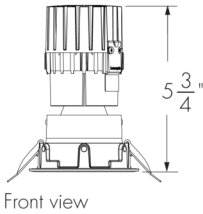
		
Optic	Lumen Output	Lumen Output
NS, N, NFR	N/A	L05
M, MFR, W, WFR, VV	L07	N/A

Dimensions

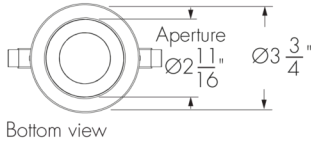
Short Heatsink



Tall Heatsink

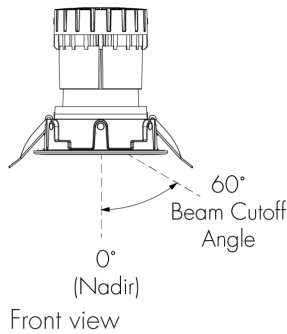


RD - Round Shape, Round Trim



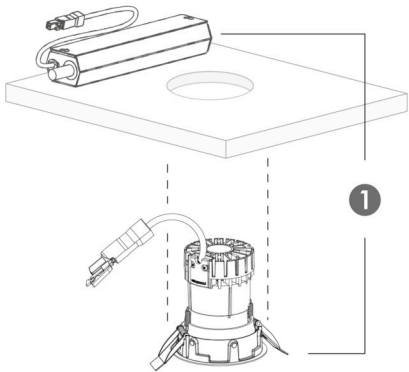
Beam Cutoff Angle

DR - Deep Rolled Over



Delivery - How it Works

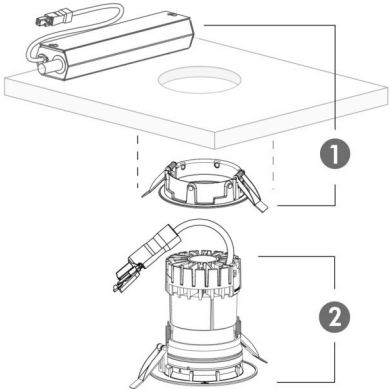
Standard Shipping (1 delivery)



Included

- 1. MTG Mounting kit and complete fixture assembly

Advanced Shipping of Mounting kit (2 Separate Deliveries)



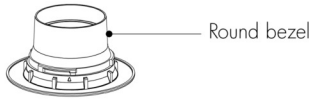
Included

- 1. Optional advanced delivery: MTG Mounting kit and ceiling mounting ring
- 2. Second delivery: LUM Core (heatsink, universal fixing ring, LED module, optic, optical accessory, decorative bezel)

Consult factory for Advanced Shipping details.

Ceiling Cutout Shape Options

RD - Round Ceiling Cutout



Decorative Bezel Options

RD - Compatible Round Decorative Bezels



DR - Deep rolled over
(plastic material for "Dead Front"
shower applications)

Standard Finishes - Decorative Bezels

SH - Shower



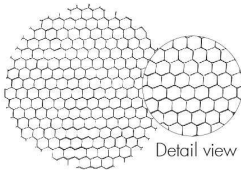
MWH - Matte white



MBK - Matte black

Optical Accessories

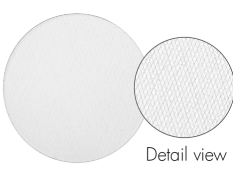
HL - Honeycomb Louver



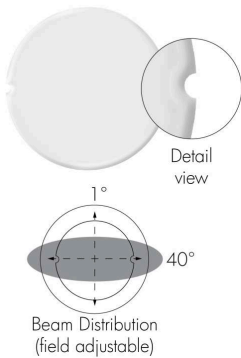
SL - Softening Glass Lens



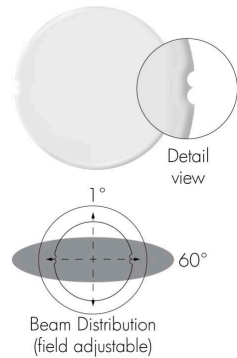
PD - Prismatic Diffuser



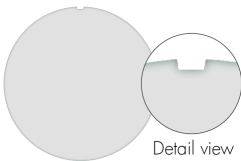
LSN - Linear Spread Lens Narrow (1° x 40°)



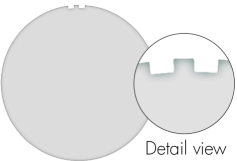
LSW - Linear Spread Lens Wide (1° x 60°)



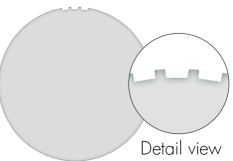
BW1 - Beam Widening Lens (+10°)



BW2 - Beam Widening Lens (+20°)



BW3 - Beam widening lens (+30°)



Refer to Beam Widening Lens table for beam distribution based on optic installed in the fixture.

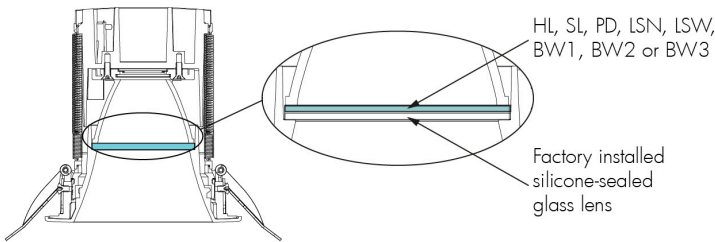
Refer to Beam Widening Lens table for beam distribution based on optic installed in the fixture.

Refer to Beam Widening Lens table for beam distribution based on optic installed in the fixture.

The accessory is mounted behind the silicone-sealed glass lens of the fixture. An additional accessory is factory installed and cannot be changed in the field.

Optical Accessory (Factory Installed, Not Field Changeable)

One Optical Accessory Installed



Optics

TIR Optic - Total Internal Reflection



Applicable to NS (15°) and N (25°) distributions.

Semi-Specular Reflector



Applicable to M (40°), W (60°) and VW (80°) distributions.

Faceted Reflector



Applicable to NFR (25°), MFR (40°), WFR (60°) and VWFR (80°) distributions.

Beam Widening Lenses

	Optic installed in fixture								
	NS 15°	N 25°	NFR 25°	M 40°	MFR 40°	W 60°	WFR 60°	VW 80°	VWFR 80°
BW1	21°	26°	26°	51°	51°	61°	61°	81°	81°
BW2	27°	31°	31°	54°	54°	63°	63°	82°	82°
BW3	35°	38°	38°	58°	58°	67°	67°	85°	85°

The above beam angles are nominal beam angles.
Variations in beam angles can be seen due to different LES sizes. For exact beam calculations please consult factory.
Beam widening lenses should not be used with other accessories with the nominal results above.

Interchangeable Optics

	Optic installed in fixture								
	NS 15°	N 25°	NFR 25°	M 40°	MFR 40°	W 60°	WFR 60°	VW 80°	VWFR 80°
Interchangeable optics	N NFR	NS NFR	NS N	MFR W WFR VW VWFR	M W WFR VW VWFR	M MFR W VW VWFR	M MFR W VW VWFR	M MFR W WFR VWFR	M MFR W WFR VW

The optic options listed above are field changeable. Consult factory and installation instructions for details.

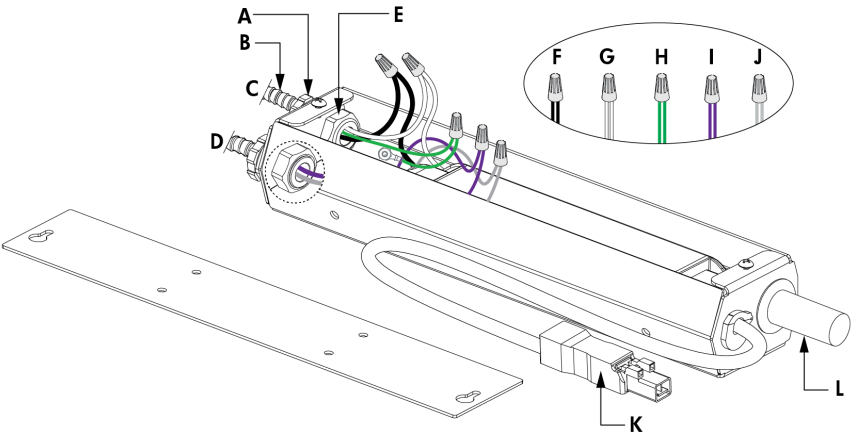
Power Consumption

Power consumption [W]				
Output [lm]	NS (15°) - N (25°) - NFR (25°)		M (40°) - MFR (40°) - W (60°) - WFR (60°) - VW (80°) - VWFR (80°)	
	120 V	277 V	120 V	277 V
500	16	16	N/A	N/A
700	23	23	13	13
1000	N/A	N/A	18	18
1300	N/A	N/A	25	25

- Power Consumption values are based on a MRGBWP Full On configuration.
- Power consumption values are for non-insulated ceiling (RM and NC) installation types.
 - For plenum ceiling (PC), new construction insulated ceiling (IC and IC/AT) installation types, remove 2 watts per fixture.

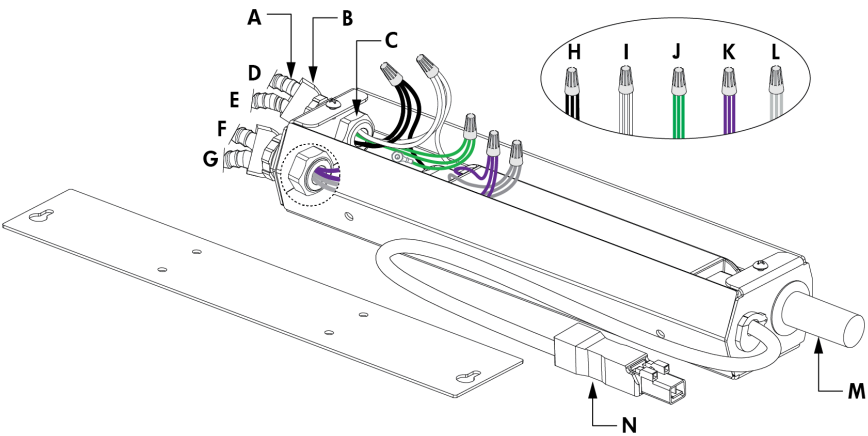
Wiring Details RM: Remodel Non-Insulated Ceiling (Non-Plenum Rated)

DMX/RDM Wiring Detail



- A - Conduit fitting (by others)
- B - Conduit (by others)
- C - Power Input
- D - Data Input from Control System
- E - Locknut (by others)
- F - Line
- G - Neutral
- H - Ground
- I - Data +
- J - Data -
- K - Output to luminaire
- L - Thermal protector

Daisy Chain Layout (DMX/RDM) - Wiring Detail

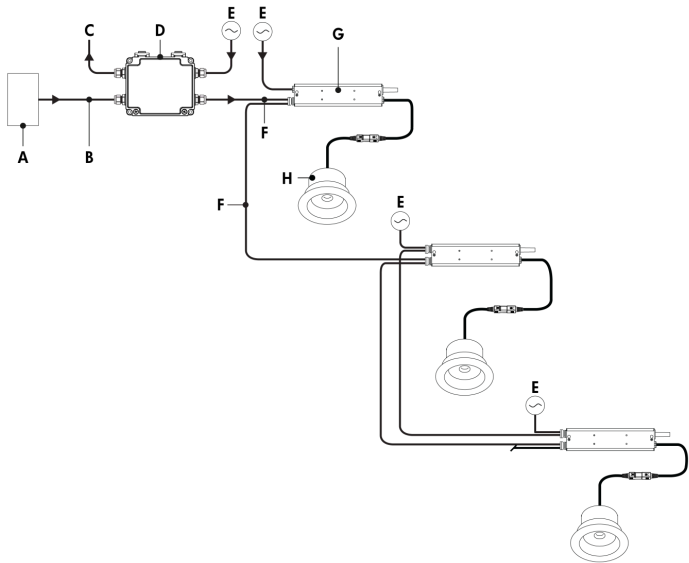


- A - Conduit (by others)
- B - Duplex connector (by others)
- C - Locknut (by others)
- D - Power Output to next luminaire
- E - Power input
- F - Data Output to next luminaire
- G - Data Input from Control System
- H - Line
- I - Neutral
- J - Ground
- K - Data +
- L - Data -
- M - Thermal protector
- N - Output to luminaire

Remodel driver box varies by control option. Refer to installation instructions for additional wiring details.

Typical Wiring Diagrams

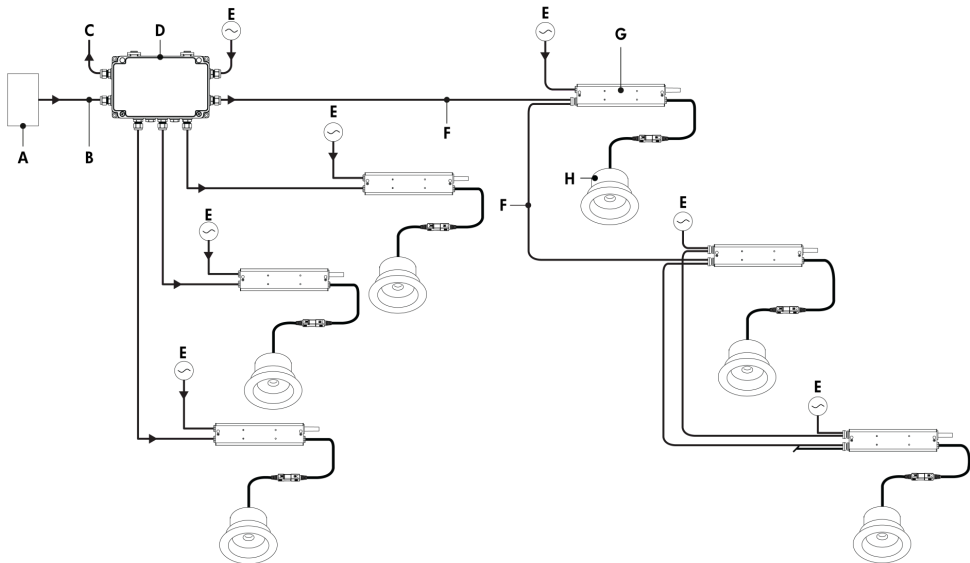
Daisy Chain Layout (DMX/RDM)



- 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 input (120-277V AC, wiring by others)
- F - Data cable (Belden 9841 or equivalent, by others)
- G - MTG kit (included, specified in fixture order code)
- H - Lumencore Recessed fixture

The DMX/RDM protocol states a maximum of 32 DMX/RDM enabled fixtures on any single run.
Maximum of 4 DMX/RDM repeaters/CBX cascading in line.
Maximum of 1 output per CBX-DS.
Each fixture requires 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.

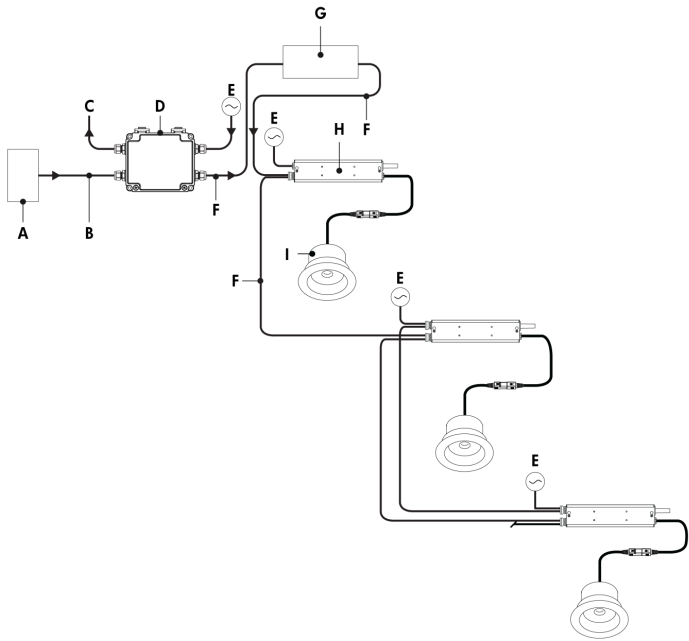
Star Layout (DMX/RDM)



- 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 input (120-277V AC, wiring by others)
- F - Data cable (Belden 9841 or equivalent, by others)
- G - MTG kit (included, specified in fixture order code)
- H - Lumencore Recessed fixture

The DMX/RDM protocol states a maximum of 32 DMX/RDM enabled fixtures on any single run.
Maximum of 4 DMX/RDM repeaters/CBX cascading in line.
Maximum of 6 outputs per CBX-ST.
Each fixture requires 3, 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.

Daisy Chain Layout (DMX/RDM) Using Emergency Backup Power



- A - DMX/RDM controller (order separately from Lumenpulse, or by others)
- B - Data input (Belden 9841 or equivalent, by others)
- C - Data output to next CBX (optional, not isolated/not boosted)
- D - CBX-DS
- E - Power input (120-277V AC, emergency circuit or inverter, wiring by others)
- F - Data cable (Belden 9841 or equivalent, by others)
- G - UL 924 Emergency Backup Device (by others)
- H - MTG kit (included, specified in fixture order code)
- I - Lumencore Recessed fixture

The wiring configuration shown is an example and may vary depending on the emergency backup power system selected.

Emergency backup power is provided by others.

The DMX/RDM protocol states a maximum of 32 DMX/RDM enabled fixtures on any single run.

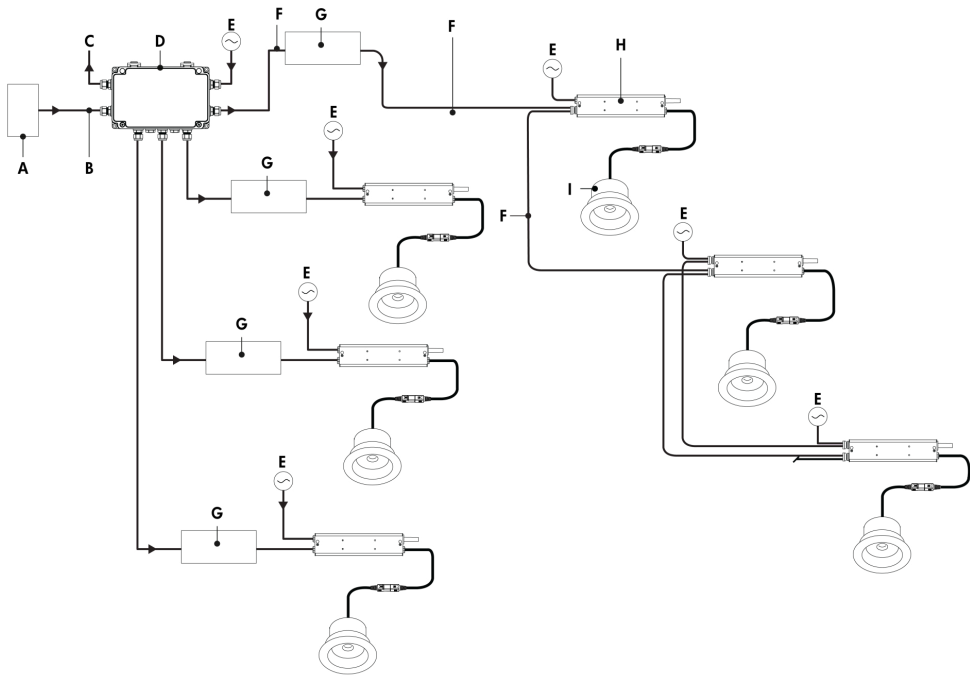
Maximum of 4 DMX/RDM repeaters/CBX cascading in line.

Maximum of 1 output per CBX-DS.

Each fixture requires 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) Using Emergency Backup Power



- A - DMX/RDM controller (order separately from Lumenpulse, or by others)
- B - Data input (Belden 9841 or equivalent, by others)
- C - Data output to next CBX (optional, not isolated/not boosted)
- D - CBX-ST
- E - Power input (120-277V AC, emergency circuit or inverter, wiring by others)
- F - Data cable (Belden 9841 or equivalent, by others)
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The wiring configuration shown is an example and may vary depending on the emergency backup power system selected.

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

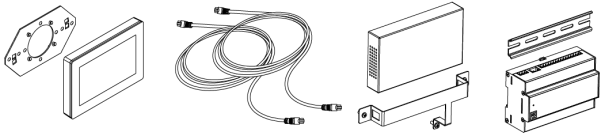
Maximum of 6 outputs per CBX-ST.

Each fixture requires 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 lumeterminators included per CBX-ST. See 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 now your 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. Consult the LID specification sheet for full details.

How to Order

Housing ⁽¹⁾	Certification	Type	Voltage	Cutout	Output (Nominal Lumens)	Color and Color Temperature	Color Rendering	Optics (Nominal Distribution)	Control	Decorative Bezel
LCRN Lumencore Recessed Nano - 2.75 in	A UL/cUL	SH Shower ⁽²⁾ ⁽³⁾	120 120 Volts 277 277 Volts	R Round	L05 500 lm ⁽⁴⁾ L07 700 lm L10 1000 lm ⁽⁵⁾ L13 1300 lm ⁽⁵⁾	MRGBWP MRGBW With Opticolor+ ⁽⁶⁾	90 CRI 90+ (White Light Only) ⁽⁴⁾	NS Narrow Spot Distribution 15° N Narrow Distribution 25° NFR 25° Faceted Reflector M 40° Reflector MFR 40° Faceted Reflector W 60° Reflector WFR 60° Faceted Reflector VW 80° Reflector VWFR 80° Faceted Reflector	DMX/RDM DMX/RDM Enabled Dimming 0.1% ⁽⁷⁾ ⁽⁸⁾ ⁽⁹⁾ ⁽¹⁰⁾	DR Deep Rollover

Notes:

1. Refer to website product configurator for all exceptions.

2. IP55 rated, suitable for "Dead Front" shower rated locations.

3. Also suitable for IP54 applications. IP55 rated product can be used for interior ceiling mounted or exterior canopy-mounted applications. Consult factory and check all local codes and thermal conditions for proper specification.

4. Available for NS, N and NFR optics only.

5. Available for M, MFR, W, WFR, VW and VWFR optics only.
6. CRI 90 applies only to white light color temperatures from 2700K to 5000K.

7. Configurable between 8 or 16-bit dimming control via RDM. DMX/RDM requires LumenID, LumenID software and onsite commissioning.

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

9. Consult the Lumencore Recessed Opticolor+™ Brochure for details.

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

How to Order

Decorative Bezel Finish	Installation Type	Ceiling Thickness ⁽¹⁵⁾	Accessories ⁽¹⁶⁾
MWH Matte White MBK Matte Black	RM Remodel Non-Insulated Ceiling (Non-Plenum Rated) ⁽¹¹⁾ ⁽¹²⁾ NC New Construction Non-Insulated Ceiling (Non-Plenum Rated) ⁽¹¹⁾ ⁽¹²⁾ PC Plenum Non-Insulated Ceiling (Enclosed Box) ⁽¹³⁾ ⁽¹⁴⁾ IC New Construction Insulated Ceiling (Enclosed Box) ⁽¹³⁾ ⁽¹⁴⁾ IC/AT New Construction Insulated Ceiling (Chicago Plenum/airtight, enclosed box) ⁽¹³⁾ ⁽¹⁴⁾	1 0.04 in to 1 in Ceiling Thickness 2 1.05 in to 2 in Ceiling Thickness	NA No Accessory HL Honeycomb Louver SL Softening Glass Lens PD Prismatic Diffuser LSN Linear Spread Lens Narrow (1° x 40°) LSW Linear Spread Lens Wide (1° x 60°) BW1 Beam Widening Lens (+10°) BW2 Beam Widening Lens (+20°) BW3 Beam Widening Lens (+30°)

- Notes:
11. Available up to 700 lumens when combined with NS, N and NFR optics.

12. Available up to 1300 lumens when combined with M, MFR, W, WFR, VW and VWFR optics.

13. Available for 500 lumens when combined with NS, N and NFR optics.

14. Available up to 1000 lumens when combined with M, MFR, W, WFR, VW and VWFR optics.

15. Ceiling springs are field changeable, consult factory and installation instructions for details.

16. The silicone-sealed glass lens is always installed by the factory, not field changeable. Maximum one additional accessory per fixture.