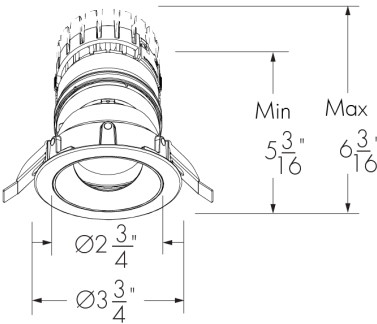


Project Name

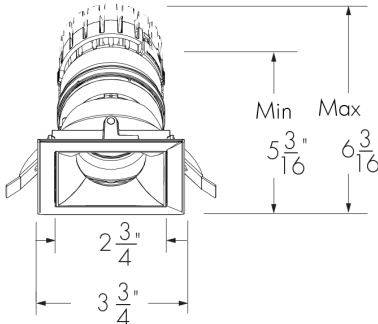
Qty

Type

Catalog / Part Number



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



Square trim
(Shown with 1 in ceiling springs)
Square trim ceiling cutout: 3.25 in x 3.25 in

Photometric Summary

Based on Medium Faceted Reflector Optic (Nominal 40°), MRGBWP in Optidrive™ (White 3000K CRI 96+)

Nominal Output [lm]	Delivered Output [lm] ⁽¹⁾	Non-Insulated Ceiling	Insulated Ceiling
		Power (120V) [W]	Power (120V) [W]
700	290	13	11
1000	468	18	16
1300	644	25	N/A

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.
³ Photometric performance is measured in compliance with IESNA LM-79-24.

Optics



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

Description

The Lumencore Recessed Opticolor+ Nano Tilt 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.

Physical

Cutout	R: Round, S: Square
Decorative Bezel	Tilt (0° rotation, factory set 30° tilt), LED can be fully adjustable behind the bezel
Trim	RD: Round, SR: Square Trim with Round Hole, TLR: Trimless Round, SQ: Square, TLS: Trimless Square
Ceiling Thickness	1: 0.04 in to 1 in Ceiling Thickness 2: 1.05 in to 2 in Ceiling Thickness
Housing Material	Aluminum
TIR Optics Material	Clear polycarbonate
Reflector Material	Aluminum
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

Color Rendering

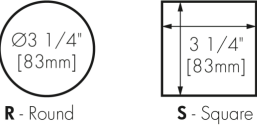
CRI
90+

Control

DALI
T8

DMX/RDM

Ceiling Cutout Shapes



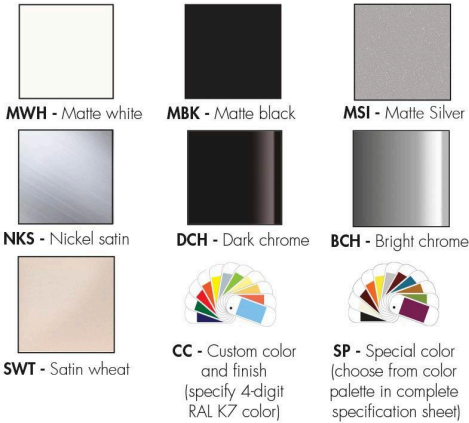
Decorative Bezel (Round Trim)



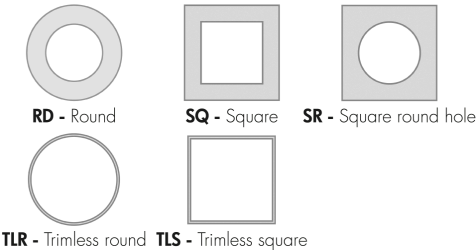
Decorative Bezel (Square Trim)



Standard Finishes - Decorative Bezels



Trim Shapes



Ceiling Space Requirements (Length x Width x Height)

Up to 15 in x 8 in x 12 in with RM installation type, Up to 15 in x 9 in x 12 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

Features

Output (Nominal Lumens)	L07: 700 lm, L10: 1000 lm, L13: 1300 lm
Color and Color Temperature	MRGBWP: Opticolor+® Mix-at-Source Red, Green, Blue Plus White Settable Range 22K to 65K MRGROYWP: Opticolor+® Mix-at-Source Red, Green, Royal Blue Plus White Settable Range 22K to 65K
Optics (Nominal Distribution)	NS: Narrow Spot Distribution 15° N: Narrow Distribution 25° M: Medium 40° MFR: Medium Faceted Reflector 40°
Decorative Bezel Finish	MWH: Matte White MBK: Matte Black MSI: Matte Silver NKS: Nickel Satin DCH: Dark Chrome BCH: Bright Chrome SWT: Satin Wheat CC: Custom Color Trim (Specify 4-Digit RAL K7 Color) SP: Special Color (Choose From standard Point Source Color Palette)
Trim Finish	MWH: Matte White MBK: Matte Black MSI: Matte Silver NKS: Nickel Satin CC: Custom Color Trim (Specify 4-Digit RAL K7 Color) SP: Special Color (Choose From standard Point Source Color Palette)
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, RoHS, UL Wet Location (WET option only)
Warranty	5-year limited warranty
Options	WET: IP54 rating suitable for wet locations. For IP55 Shower Rated "Dead Front" applications see Lumencore Nano Shower Rated specification sheet

Standard Finishes for Trim



MWH - Matte white



MBK - Matte black



MSI - Matte Silver



NKS - Nickel satin



CC - Custom color and finish
(specify 4-digit RAL K7 color)



SP - Special color
(choose from standard Point Source color palette)

Adjustability



30° fixed tilt

T - Fixed tilt decorative bezel

Options



IP54 rating suitable for wet locations

Ratings

IP20

IP54



Wet Location

Lumencycle™ Program



Certifications



cULus



RoHS





5 YEARS
lumenpulse

Performance

Delivered Output	Up to 644 lm Medium Faceted Reflector Optic 40°, MRGBWP Optidrive™ Enabled (White 3000K CRI 95+, DMX/RDM) Up to 673 lm Medium Faceted Reflector Optic 40°, MRGBWP Optidrive™ Enabled (White 4000K CRI 95+, DMX/RDM)
Delivered Intensity	Up to 3,086 cd Narrow Spot Optic 15°, MRGBWP Optidrive™ Enabled (White 3000K CRI 95+, DMX/RDM) Up to 3,222 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)
Electrical and Control	
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)
Control	DMX/RDM: DMX/RDM Enabled Dimming 0.1% DALI8: DALI 2 T8 Enabled Dimming 0.1%
Environmental	
Ingress Protection Rating	IP20, IP54 (with CL, SL or PD accessory and WET option specified)
Environment	Damp location rating (interior applications only), Wet location rating (with CL, SL or PD accessory and WET option only)
Operating Temperature (Ceiling Cavity Ambient Temperature)	-4 °F to 104 °F
Accessories (Order Separately)	
Control Systems	Pharos® Designer Lighting Control Kit (PHAROS), Pharos® Expert Control Kit (EXPERT)
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.

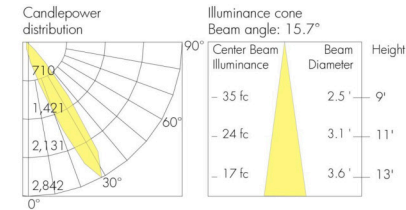
Lumencycle™ Program

Lumencycle is a comprehensive program designed to maximize the life of Lumenpulse fixtures while preserving their performance, quality, and design intent. Built around three pillars—Repair, Restore, and Recycle—the program provides clear pathways to maintain existing installations, restore fixtures, and responsibly manage them at end of life. For full program details, visit <https://www.lumenpulse.com/lumencycle>.

Photometric Information

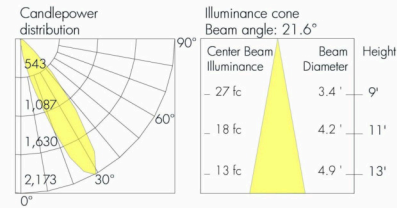
NS - Narrow Spot (Nominal 15°), 4000K

Nominal output [lm]	Delivered output [lm]†					
	Full On	Red	Green	Blue	White 30K CRI 96+	White 40K CRI 95+
700	405	206	338	83	400	418



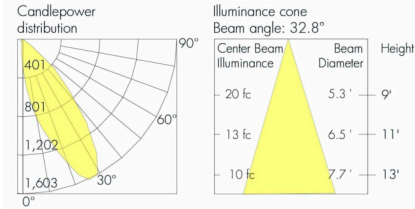
N - Narrow (Nominal 25°), 4000K

Nominal output [lm]	Delivered output [lm]†					
	Full On	Red	Green	Blue	White 30K CRI 96+	White 40K CRI 95+
700	427	218	357	87	422	440



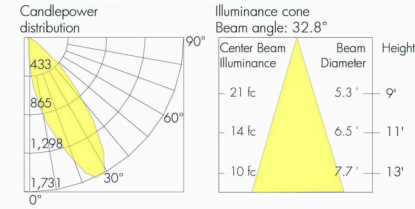
M - Medium (Nominal 40°), 4000K

Nominal output [lm]	Delivered output [lm]†					
	Full On	Red	Green	Blue	White 30K CRI 96+	White 40K CRI 95+
700	272	170	318	81	269	280
1000	439	239	434	114	433	453
1300	604	268	522	137	597	623



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

Nominal output [lm]	Delivered output [lm]†					
	Full On	Red	Green	Blue	White 30K CRI 96+	White 40K CRI 95+
700	293	184	343	87	290	303
1000	473	258	468	124	468	488
1300	652	289	563	148	644	673



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

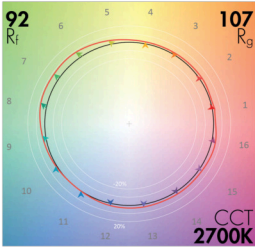
Based on Tilt Bezel and Round or Square trim configuration.

† Consult website for IES files. Delivered output: +/- 10% tolerance.
Consult Power consumption section for more wattage information.

TM-30

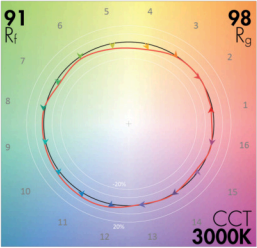
2700K - CRI 90+

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



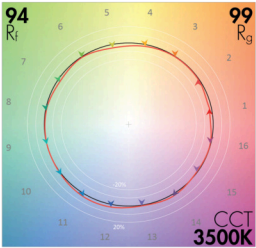
3000K - CRI 90+

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



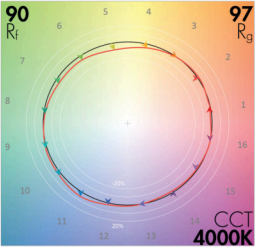
3500K - CRI 90+

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



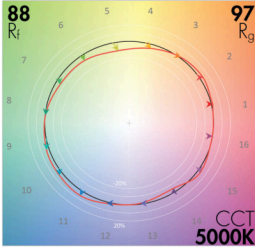
4000K - CRI 90+

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



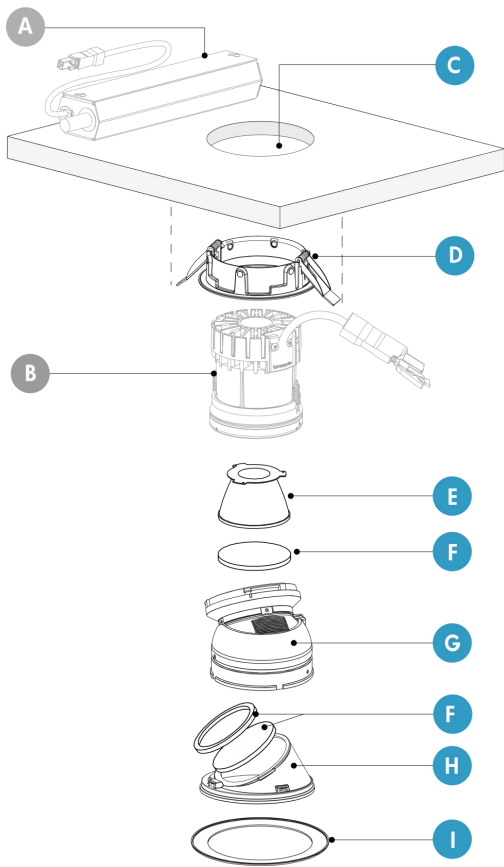
5000K - CRI 90+

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 - LUM Core (heatsink, universal fixing ring, LED module)
- MTG: Mounting Kit
- LUM: Luminaire

Customizable Parts

- C - Ceiling cutout shape (round or square)
- D - Ceiling mounting ring (round or square, based on ceiling cutout selection)
- E - Optic*
- F - Optical accessory and accessory holder (up to two optical accessories can be combined in the fixture, position will vary by accessory type)**
- G - Adjustable mechanism
- H - Tilt decorative bezel
- I - Trim (round or square, based on ceiling ring selection)

* Optic is 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

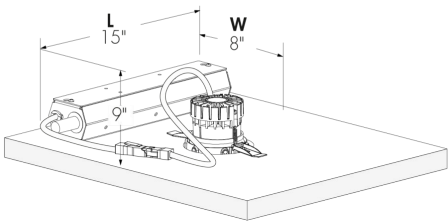
Ceiling Cavity Space Requirements (Length x Width x Height)

Installation type	Output/Color Rendering		
	L07	L10	L13
RM	15" x 8" x 9" (with trim) 15" x 8" x 12" (trimless)		
NC	15" x 10" x 9" (with trim) 15" x 9" x 12" (trimless)		
PC/IC/ICAT	14.5" x 10" x 7"	18" x 15" x 9"	N/A

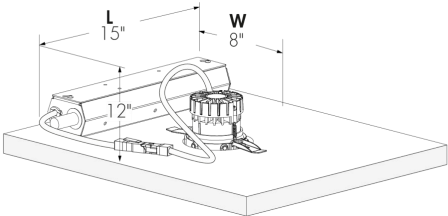
See Installation Type section for dimensional view of keep out and/or MTG mounting kit option.
Above dimensions include any keep out requirements for proper airflow and thermal cooling.

Installation Types

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

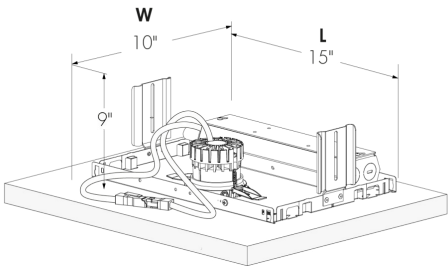


Ceiling Cavity Space Requirements for Fixtures With Trim

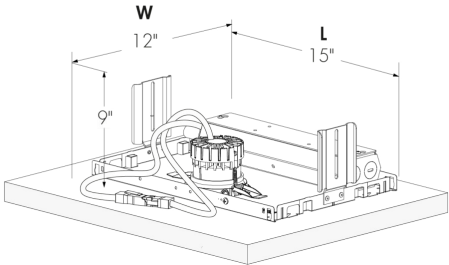


Ceiling Cavity Space Requirements for Trimless Fixtures

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

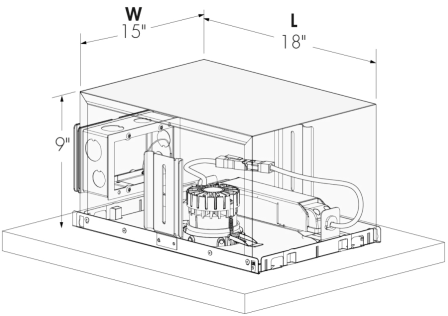


Ceiling Cavity Space Requirements for Fixtures With Trim



Ceiling Cavity Space Requirements for Trimless Fixtures

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



IC - New construction insulated ceiling (enclosed box)

PC - Plenum non-insulated ceiling (enclosed box)

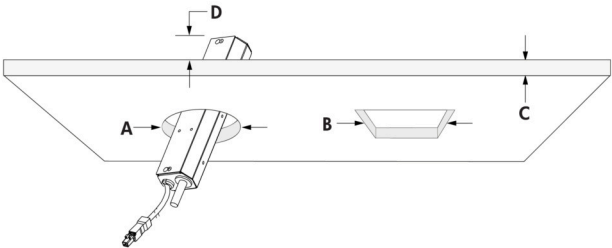
IC/AT - New construction insulated ceiling (Chicago Plenum/airtight, enclosed box)

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

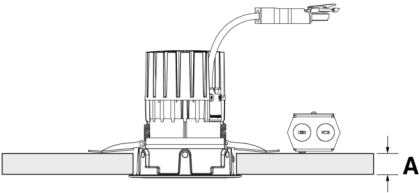
Ceiling Cutout



- A - Ceiling cutout: Ø3.25 in
- B - Ceiling cutout: 3.25 in x 3.25 in
- C - Maximum ceiling thickness: 2 in
- D - Minimum ceiling height: refer to Ceiling Cavity Space Requirements table

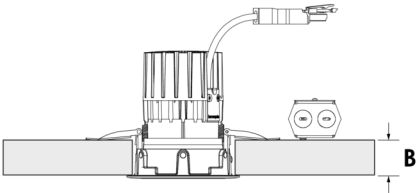
Ceiling Thickness Options

Ceiling Thickness 1



- A - Ceiling thickness range: 0.04 in to 1 in

Ceiling Thickness 2



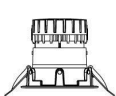
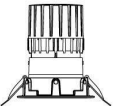
- B - Ceiling thickness range: 1.05 in to 2 in

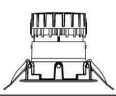
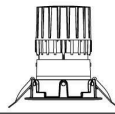
Ceiling springs are field changeable, consult installation instructions and factory for details.

Lumen Output and Installation Type

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

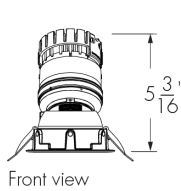
IC, PC, IC/AT - New Construction Insulated And Non-Insulated Ceiling

		
	Short Heatsink	Tall Heatsink
Optic	Lumen Output	Lumen Output
NS, N	N/A	L07
M, MFR, W, WFR, VV	L07, L10	L13

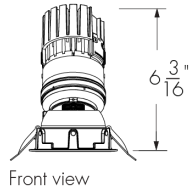
		
	Short Heatsink	Tall Heatsink
Optic	Lumen Output	Lumen Output
NS, N	N/A	L07
M, MFR, W, WFR, VV	L07	N/A

Dimensions

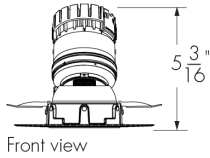
T - Tilt (0° Rotation, Factory Set 30° Tilt)
Short model



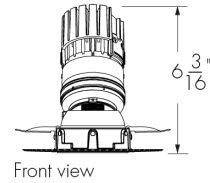
T - Tilt (0° Rotation, Factory Set 30° Tilt)
Tall model



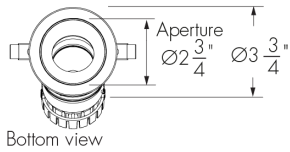
T - Tilt (0° Rotation, Factory Set 30° Tilt,
Trimless Version)
Short model



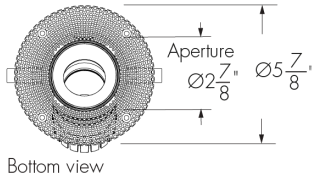
T - Tilt (0° Rotation, Factory Set 30° Tilt,
Trimless Version)
Tall model



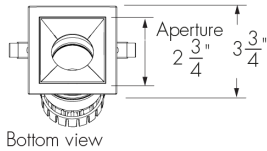
RD - Round Shape, Round Trim



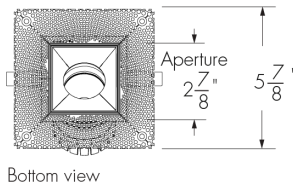
TLR - Trimless Round



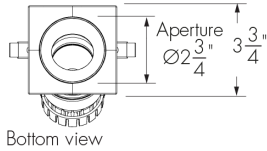
SQ - Square Shape, Square Trim



TLS - Trimless Square



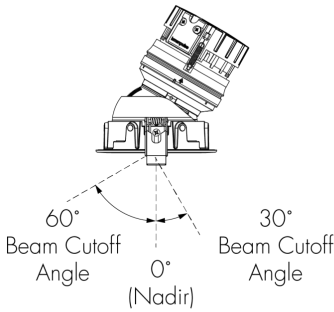
SR - Square Shape, Round Hole



Round ceiling cutout: Ø3.25 in
Square ceiling cutout: 3.25 in x 3.25 in

Beam Cutoff Angle

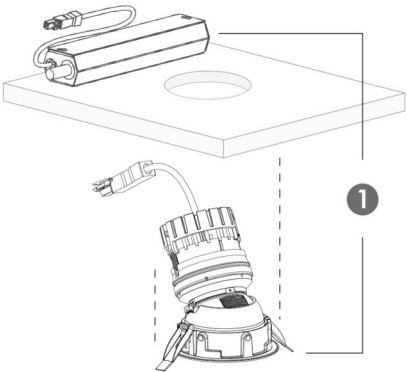
T - Tilt



Side view
(Based on 30° fixed tilt)

Delivery - How it Works

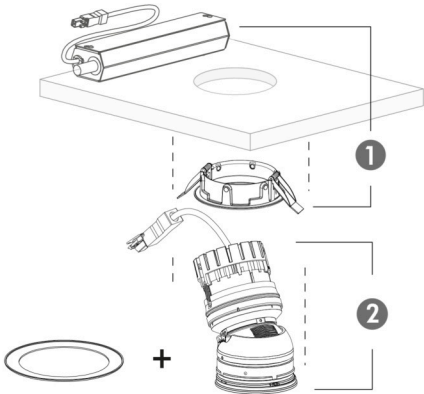
Standard Shipping (1 delivery)



Included

- 1. MTG Mounting kit and complete fixture assembly

Advanced Shipping of Mounting kit (2 Separate Deliveries)

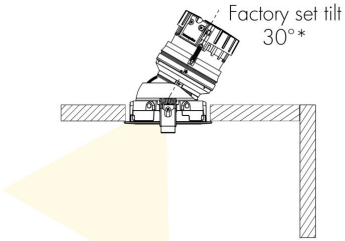


Included

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

Consult factory for Advanced Shipping details.

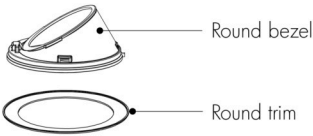
Tilt



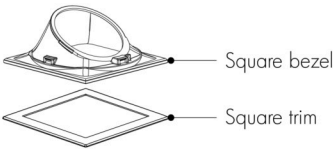
*Field adjustable from 0° to 40°, see installation instructions for details.

Ceiling Cutout Shape Options

RD - Round Ceiling Cutout



SQ - Square Ceiling Cutout

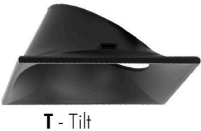


Decorative Bezel Options

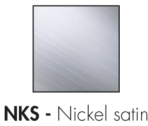
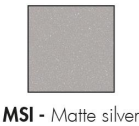
RD - Compatible Round Decorative Bezels



SQ - Compatible Square Decorative Bezels



Standard Finishes - Decorative Bezels



*Custom color: specify 4-digit RAL K7 color.

**Special color: choose one of the standard Point Source colors from the Point Source product brochure or Lumencore Cylinder specification sheets. Contact manufacturer for additional information.

Trim Shape Options

RD - Compatible Round Trim Shapes



SQ - Compatible Square Trim Shapes



Standard Finishes - Trims



MWH - Matte white



MBK - Matte black



MSI - Matte silver



NKS - Nickel satin



CC - Custom colour*

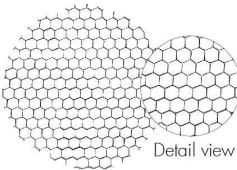


SP - Special colour**

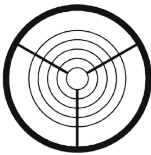
*Custom color: specify 4-digit RAL K7 color.
**Special color: choose one of the standard Point Source colors from the Point Source product brochure or Lumencore Cylinder specification sheets. Contact manufacturer for additional information.

Optical Accessories

HL - Honeycomb Louver



XLVR - Concentric Ring Louver



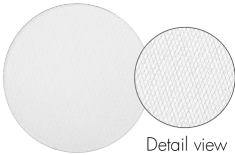
CL - Clear Glass Lens



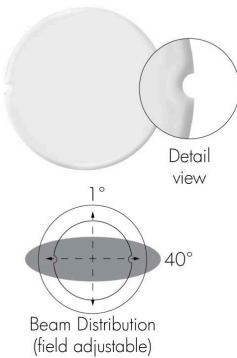
SL - Softening Glass Lens



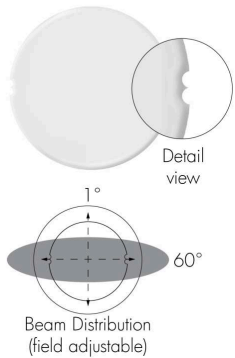
PD - Prismatic Diffuser



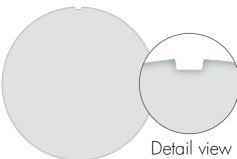
LSN - Linear Spread Lens Narrow (1° x 40°)



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

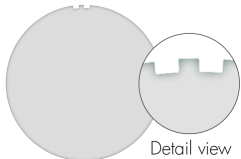


BW1 - Beam Widening Lens (+10°)



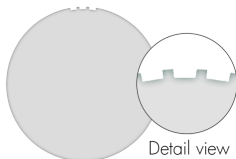
Refer to Beam Widening Lens table for beam distribution based on optic installed in the fixture.

BW2 - Beam Widening Lens (+20°)



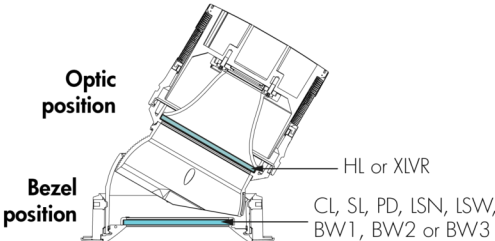
Refer to Beam Widening Lens table for beam distribution based on optic installed in the fixture.

BW3 - Beam widening lens (+30°)



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

Optical Accessories - Installation Options (Field Changeable)



Accessories specified in the fixture code will ship from the factory in the position shown above.

Optics

TIR Optic - Total Internal Reflection



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

Semi-Specular Reflector



Applicable to M (40°) distribution.

Faceted Reflector



Applicable to MFR (40°) distributions.

Beam Widening Lenses

	Optic installed in fixture			
	NS 15°	N 25°	M 40°	MFR 40°
BW1	21°	26°	51°	51°
BW2	27°	31°	54°	54°
BW3	35°	38°	58°	58°

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°	M 40°	MFR 40°
Interchangeable optics	N	NS	MFR	M

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

Power Consumption

Static White Color Temperatures

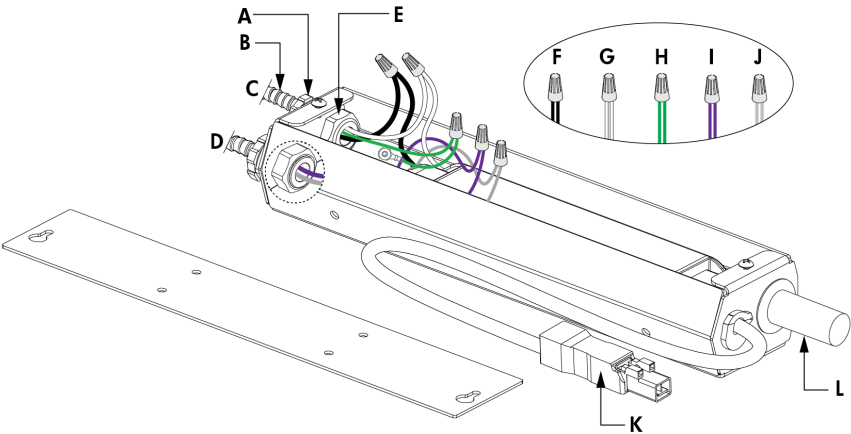
Output [lm]	Power consumption [W]			
	NS (15°) - N (25°)		M (40°) - MFR (40°)	
	120 V	277 V	120 V	277 V
700	23	23	13	13
1000	N/A	N/A	18	18
1300	N/A	N/A	25	25

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.

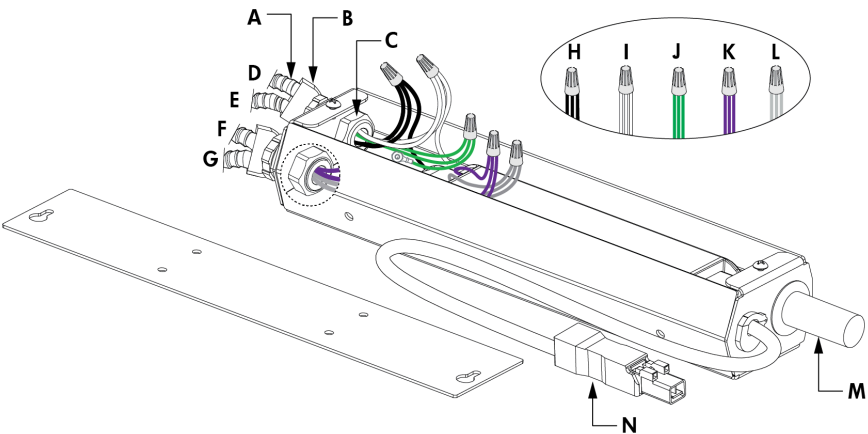
Wiring Details RM: Remodel Non-Insulated Ceiling (Non-Plenum Rated)

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

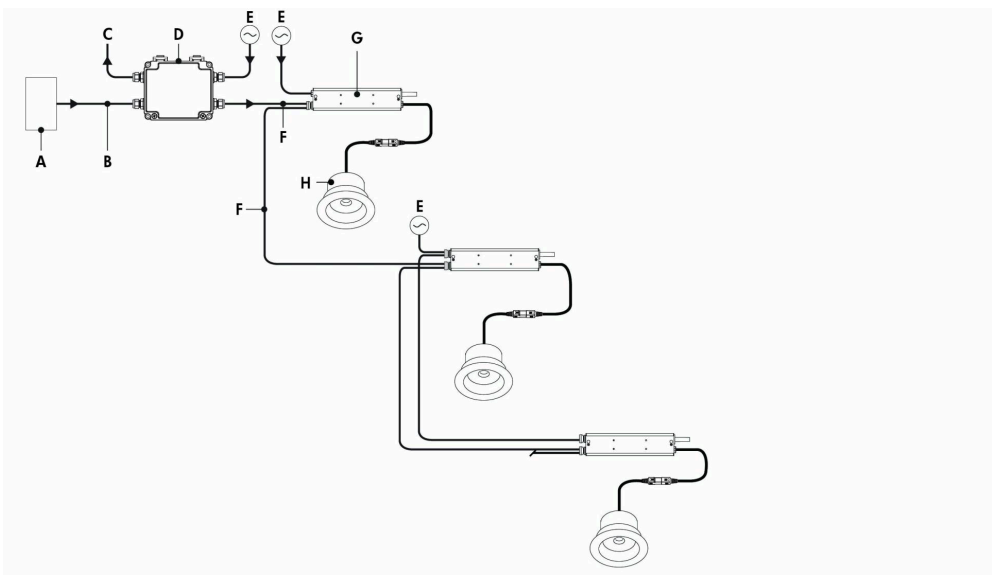


- A - Conduit (by others)
- B - Duplex connector (by others)
- C - Locknut (by others)
- D - Power Output to next luminaire
- E - Power input
- F - Data Output to next luminaire
- G - Data Input from Control System
- H - Line
- I - Neutral
- J - Ground
- K - Data +
- L - Data -
- M - Thermal protector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

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

Typical Wiring Diagrams

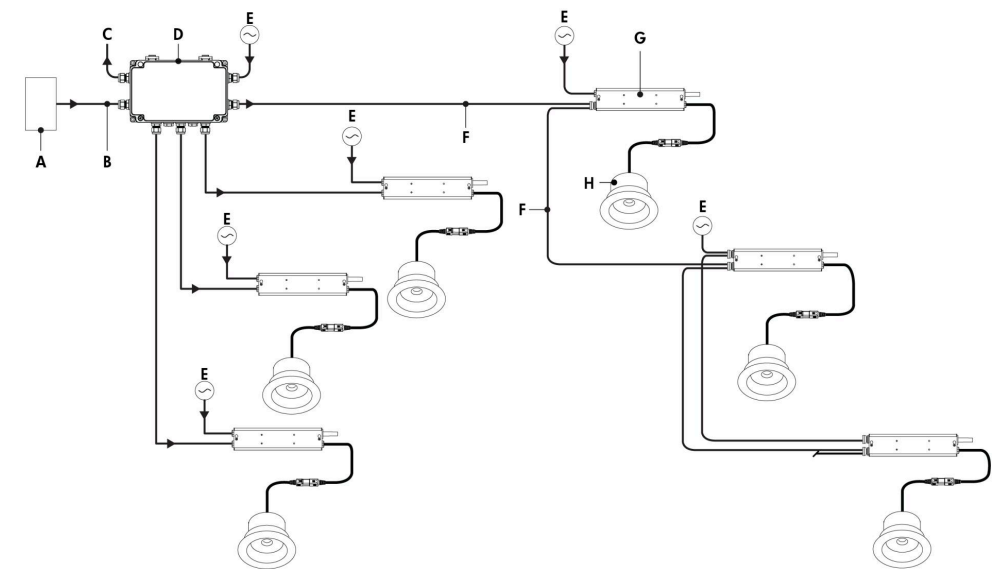
Daisy Chain Layout (DMX/RDM)



- 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 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.

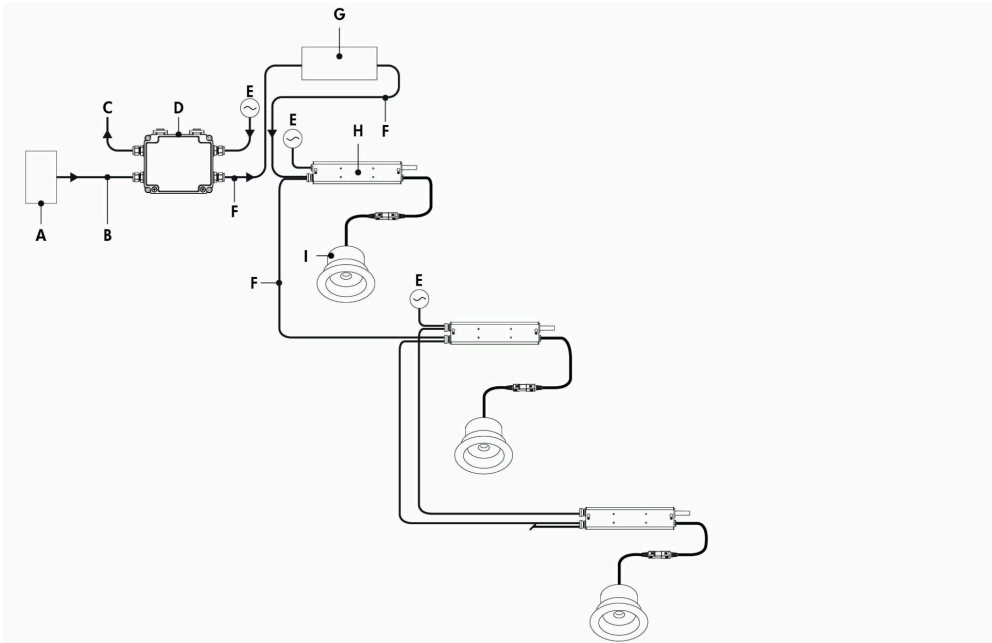
Star Layout (DMX/RDM)



- 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 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 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.

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.

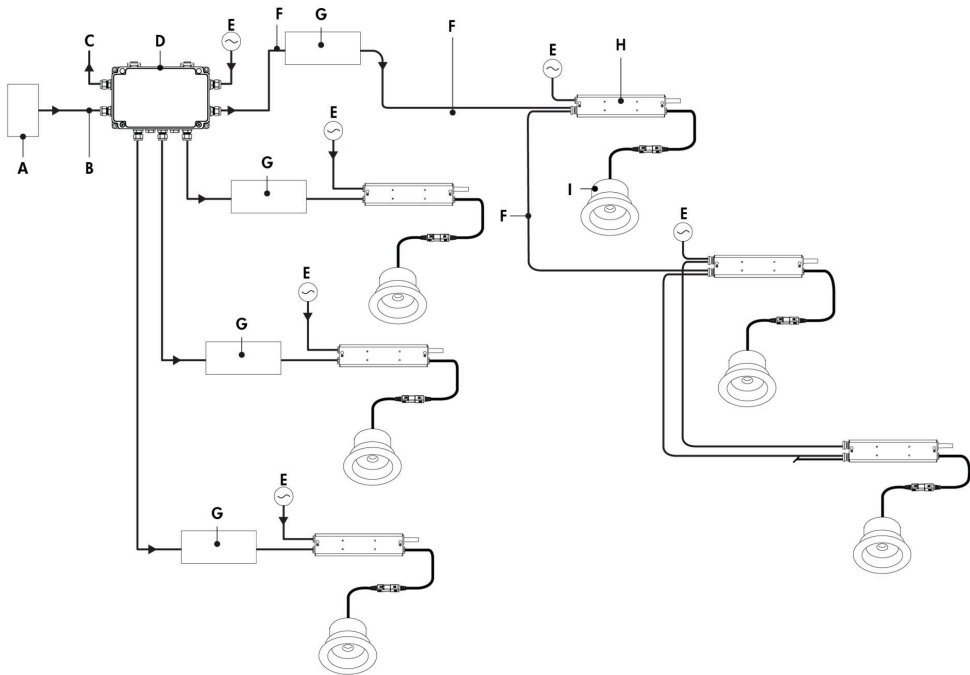
Maximum of 4 DMX/RDM repeaters/CBX cascading in line.

Maximum of 1 output per CBX-DS.

Each fixture requires 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) 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)
- 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.

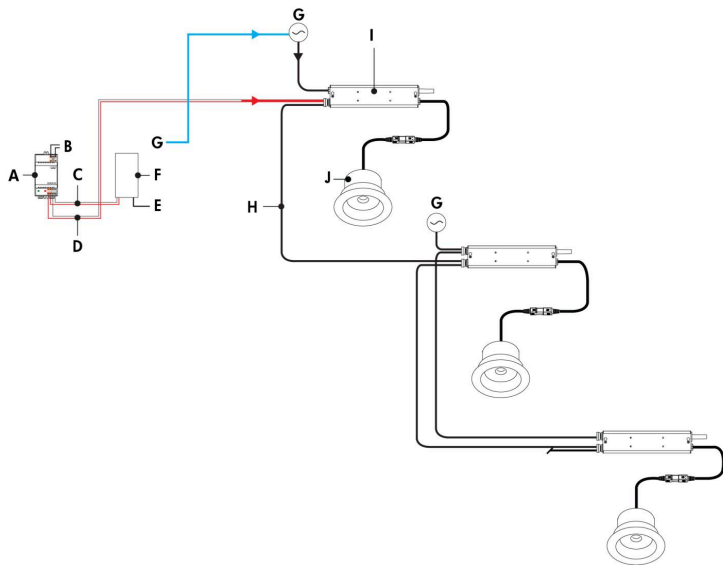
Maximum of 4 DMX/RDM repeaters/CBX cascading in line.

Maximum of 6 outputs per CBX-ST.

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

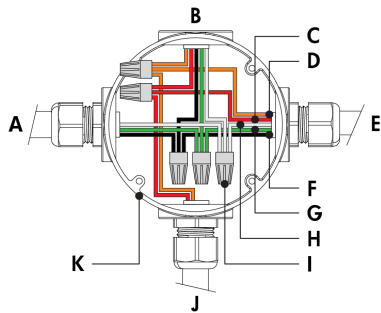
DMX terminator is required at the end of each run to maintain data integrity. Six (6x) DMX lumenterminators included per CBX-ST. See installation instructions for details.

DALI 2 T8 Enabled Dimming (DALIT8)



- A - DALI bus power supply (by others)
- B - Power input for DALI bus power supply (wiring by others)
- C - Data output to DALI controller (wiring by others)
- D - Data output to fixture (wiring by others)
- E - Power input for DALI controller (if required, wiring by others)
- F - DALI controller (by others)
- G - Power input (100-277V AC, wiring by others)
- H - Data wiring (by others)
- I - MTG kit (included, specified in fixture order code)
- J - Lumencore Recessed fixture

DALI 2 T8 (DALIT8) - Wiring Detail



- A - Power input or from previous fixture
- B - To fixture
- C - DA +
- D - DA -
- E - To next fixture
- F - Line
- G - Ground
- H - Neutral
- I - Wire-nut (by others)
- J - From DALI controller (by others)
- K - Junction box (by others)

- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- Maximum of 64 DALI fixtures per DALI loop.
- The Lumencore Recessed fixture responds to RGBWAF controls.
- Commissioning may be required based on the selection of 3rd party DALI controller. Controller and commissioning provided by others.

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	Type	Voltage	Cutout	Output (Nominal Lumens)	Color and Color Temperature ⁽³⁾	Color Rendering	Optics (Nominal Distribution)	Control	Decorative Bezel	Decorative Bezel Finish
LCRN Lumencore Recessed Nano - 2.75 in	A UL/cUL	FT Tilt	120 120 Volts 277 277 Volts	R Round S Square	L07 700 lm L10 1000 lm ⁽²⁾ L13 1300 lm ⁽²⁾	MRGBWP Opticolor+® Mix-at- Source Red, Green, Blue Plus White Settable Range 22K to 65K ⁽⁴⁾ ⁽⁵⁾ MRGROYWP Opticolor+® Mix-at- Source Red, Green, Royal Blue Plus White Settable Range 22K to 65K ⁽⁵⁾ ⁽⁴⁾	90 CRI 90+ (White Light Only) ⁽⁴⁾	NS Narrow Spot Distribution 15° ⁽⁷⁾ N Narrow Distribution 25° ⁽⁷⁾ M Medium 40° MFR Medium Faceted Reflector 40°	DMX/RDM DMX/RDM Enabled Dimming 0.1% ⁽⁸⁾ ⁽⁹⁾ ⁽¹⁰⁾ ⁽¹¹⁾ DALI28 DALI 2 T8 Enabled Dimming 0.1% ⁽¹²⁾	T Tilt (0° rotation, factory set 30° tilt)	MWH Matte White MBK Matte Black MSI Matte Silver NKS Nickel Satin DCH Dark Chrome BCH Bright Chrome SWT Satin Wheat CC Custom Color Trim ⁽¹³⁾ SP Special Point Source Color ⁽¹⁴⁾

Notes:

1. Refer to website product configurator for all exceptions.

2. Available for M and MFR optics only.

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

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

5. 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.

6. CRI 90 applies only to white light color temperatures from 2700K to 6500K.
7. Available with 700 lumens only.

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

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

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

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

12. DALI 2 T8 controller required, provided by others. DALI 2 T8 control uses a single DALI short address.

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

14. Refer to Cylinder specification sheet and brochure for color options.

How to Order

Trim	Trim Finish	Installation Type	Ceiling Thickness ⁽²⁰⁾	Option	Accessories ⁽²⁴⁾
RD Round ⁽¹⁵⁾ SR Square Trim with Round Hole ⁽¹⁵⁾ TLR Trimless Round ⁽¹⁵⁾ SQ Square ⁽¹⁶⁾ TLS Trimless Square ⁽¹⁶⁾	MWH Matte White MBK Matte Black MSI Matte Silver NKS Nickel Satin CC Custom Color Trim ⁽¹³⁾ SP Special Point Source Color ⁽¹⁴⁾	RM Remodel Non-Insulated Ceiling (Non-Plenum Rated) ^{(17) (18)} NC New Construction Non-Insulated Ceiling (Non-Plenum Rated) ^{(17) (18)} PC Plenum Non-Insulated Ceiling (Enclosed Box) ^{(17) (19)} IC New Construction Insulated Ceiling (Enclosed Box) ^{(17) (19)} IC/AT New Construction Insulated Ceiling (Chicago Plenum/airtight, enclosed box) ^{(17) (19)}	1 0.04 in to 1 in Ceiling Thickness 2 1.05 in to 2 in Ceiling Thickness	WET IP54 Rating Suitable for Wet Locations ^{(21) (22) (23)}	NA No Accessory HL Honeycomb Louver XLVR Concentric Ring Louver ⁽²⁵⁾ CL Clear Glass Lens SL Softening Glass Lens PD Prismatic Diffuser ⁽²⁶⁾ LSN Linear Spread Lens Narrow (1° x 40°) ⁽²⁷⁾ LSW Linear Spread Lens Wide (1° x 60°) ⁽²⁷⁾ BW1 Beam Widening Lens (+10°) ⁽²⁷⁾ BW2 Beam Widening Lens (+20°) ⁽²⁷⁾ BW3 Beam Widening Lens (+30°) ⁽²⁷⁾

Notes:

- 13.** Longer lead times can be expected for custom RAL color finishes.

14. Refer to Cylinder specification sheet and brochure for color options.

15. Cannot be combined with square ceiling cutout.

16. Cannot be combined with round ceiling cutout.

17. Available with 700 lumens when combined with NS and N optics.

18. Available up to 1300 lumens when combined with M, and MFR optics.

19. Available up to 1000 lumens when combined with M and MFR optics.

20. Ceiling springs are field changeable, consult factory and installation instructions for details.
- 21.** Wet option respects the IEC 60529:2013 standard.

22. A CL, SL or PD must be specified to maintain an IP54 rating. A second accessory may be specified.

23. IP54 rating only if installation is interior covered recessed ceiling-mounted or exterior canopy-mounted.

24. Maximum one accessory per position (optic and bezel). HL and XLVR accessories are installed in optic position. CL, SL, PD, LSN, LSW, BW1, BW2 and BW3 accessories are installed in bezel position. Refer to specification sheet for details.

25. Can be combined with PD accessory only.

26. Recommended to be combined with HL or XLVR accessory only.

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