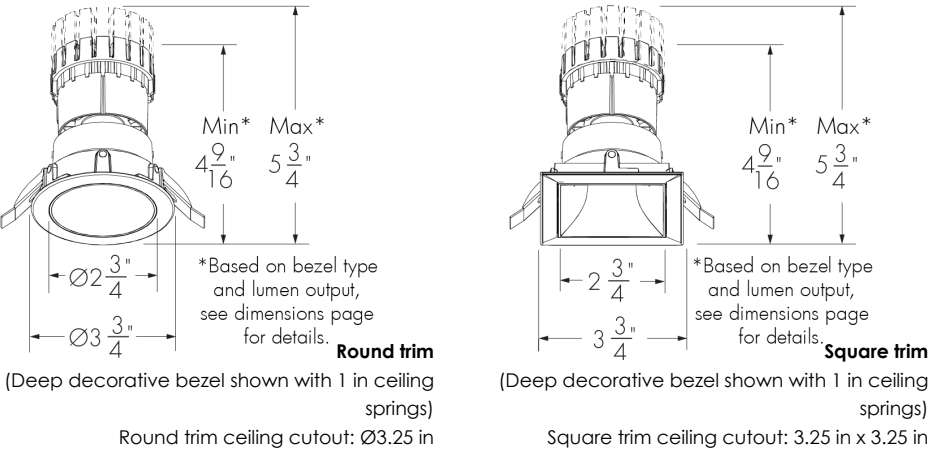


Project Name

Qty

Type

Catalog / Part Number



Photometric Summary

Based on Wide Faceted Reflector Optic (Nominal 60°), MRGBWP in Optidrive™ (White 3000K CRI 96+)

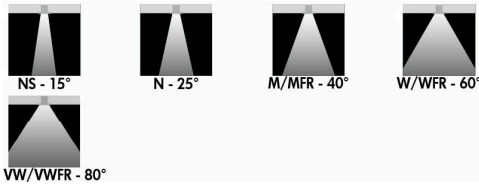
Nominal Output [lm]	Delivered Output [lm] ⁽¹⁾	Non-Insulated Ceiling	Insulated Ceiling
		Power (120V) [W]	Power (120V) [W]
700	513	13	11
1000	827	18	16
1300	1,139	25	N/A

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+®

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

Description

The Lumencore Recessed Opticolor+ Nano Downlight 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	SB: Standard, MB: Mid/Semi Recess, DB: Deep Recess, DR: Deep Rollover
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

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
--	---

Color Rendering

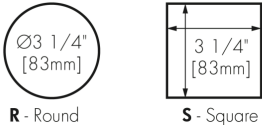
CRI
90+

Control

DALI
T8

DMX/RDM

Ceiling Cutout Shapes



Decorative Bezels (Round Trim)



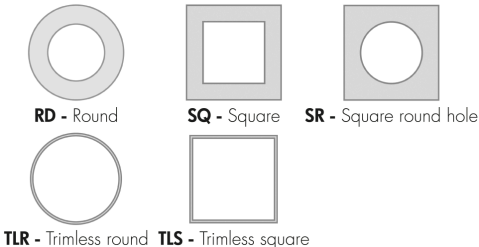
Decorative Bezels (Square Trim)



Standard Finishes - Decorative Bezels



Trim Shapes



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° W: Wide 60° WFR: Wide Faceted Reflector 60° VW: Very Wide 80° VWFR: Very Wide Faceted Reflector 80°
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)
Options	WET: IP54 rating suitable for wet locations. For IP55 Shower Rated "Dead Front" applications see Lumencore Nano Shower Rated specification sheet
Certifications	UL compliant, UL Wet Location (WET option only), RoHS
Warranty	5-year limited warranty

Performance

Delivered Output	Up to 1,172 lm Very Wide Faceted Reflector Optic 80°, MRGBWP Optidrive™ Enabled (White 3000K CRI 95+, DMX/RDM) Up to 1,224 lm Very Wide Faceted Reflector Optic 80°, MRGBWP Optidrive™ Enabled (White 4000K CRI 95+, DMX/RDM)
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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)

Options



IP54 rating suitable for wet locations

Ratings

IP20

IP54



Wet Location

Lumencycle™ Program



Certifications



cULus



RoHS





5 YEARS
lumenpulse

Delivered Intensity	Up to 3,454 cd Narrow Spot Optic 15°, MRGBWP Optidrive™ Enabled (White 3000K CRI 95+, DMX/RDM) Up to 3,606 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 (DMX/RDM control option)

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

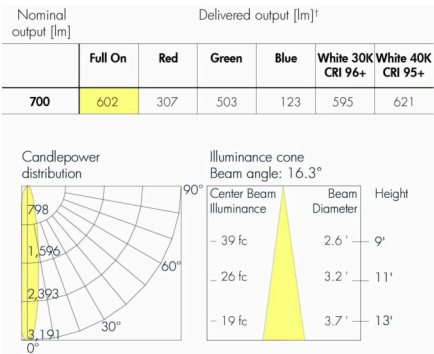
This website (<https://www.lmpg.com/patents-trademarks>) is provided to satisfy the virtual patent marking provisions of applicable jurisdictions. Some products listed may be covered by additional patents not referenced here.

Lumencycle™ Program

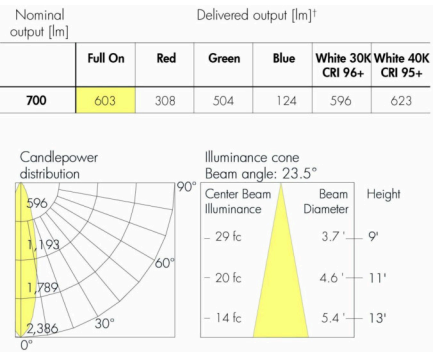
Lumencycle is a comprehensive program designed to maximize the life of Lumenpulse fixtures while preserving their performance, quality, and design intent. Built around three pillars—Repair, Restore, and Recycle—the program provides clear pathways to maintain existing installations, restore fixtures,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

Photometric Information

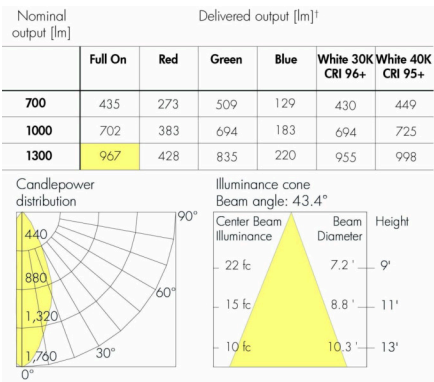
NS - Narrow Spot (Nominal 15°), 4000K



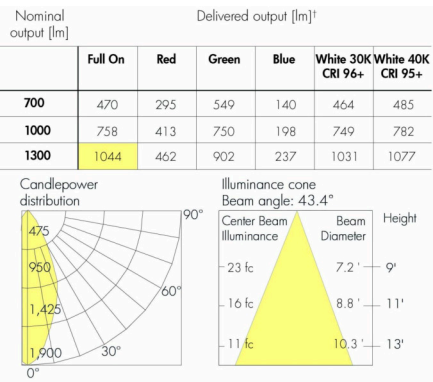
N - Narrow (Nominal 25°), 4000K



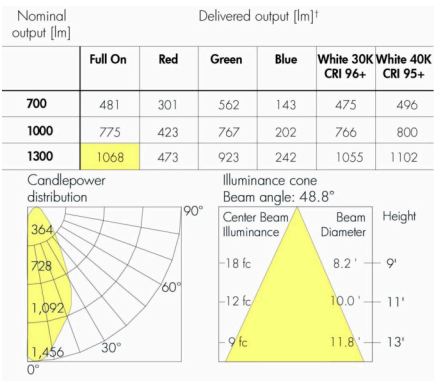
M - Medium (Nominal 40°), 4000K



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

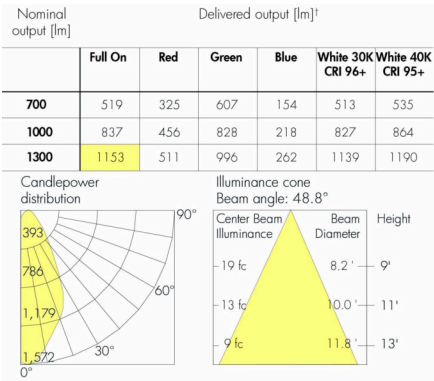


W - Wide (Nominal 60°), 4000K

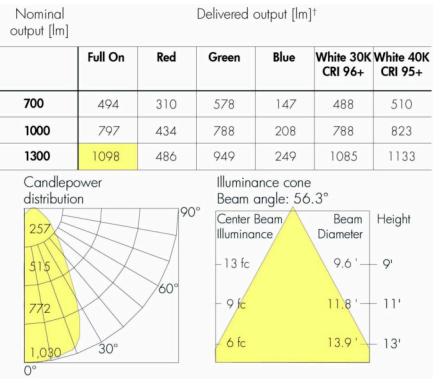


Based on Standard Bezel and Round or Square trim configuration.
† Consult website for IES files. Delivered output: +/- 10% tolerance.
Consult Power Consumption section for wattage information.
Photometric performance is measured in compliance with IESNA LM-79-24.

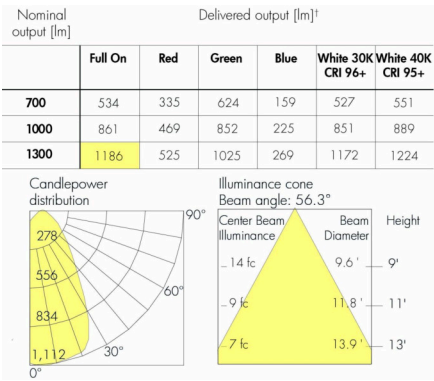
WFR - Wide Faceted Reflector (Nominal 60°), 4000K



VW - Very Wide (Nominal 80°), 4000K



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

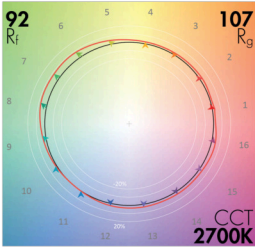


Based on Standard Bezel and Round or Square trim configuration.
† Consult website for IES files. Delivered output: +/- 10% tolerance.
Consult Power Consumption section for wattage information.
Photometric performance is measured in compliance with IESNA LM-79-24.

TM-30

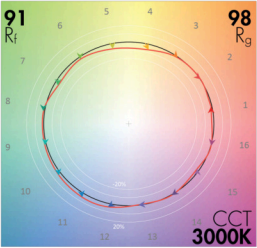
2700K - CRI 90+

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



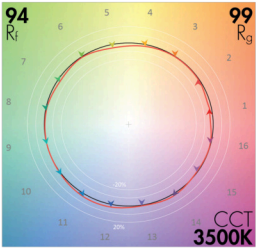
3000K - CRI 90+

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



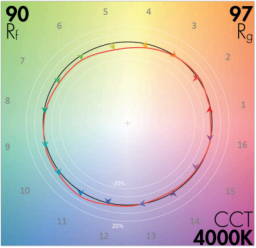
3500K - CRI 90+

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



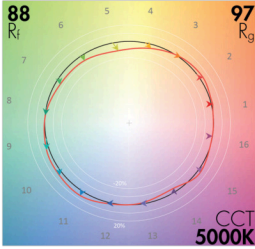
4000K - CRI 90+

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



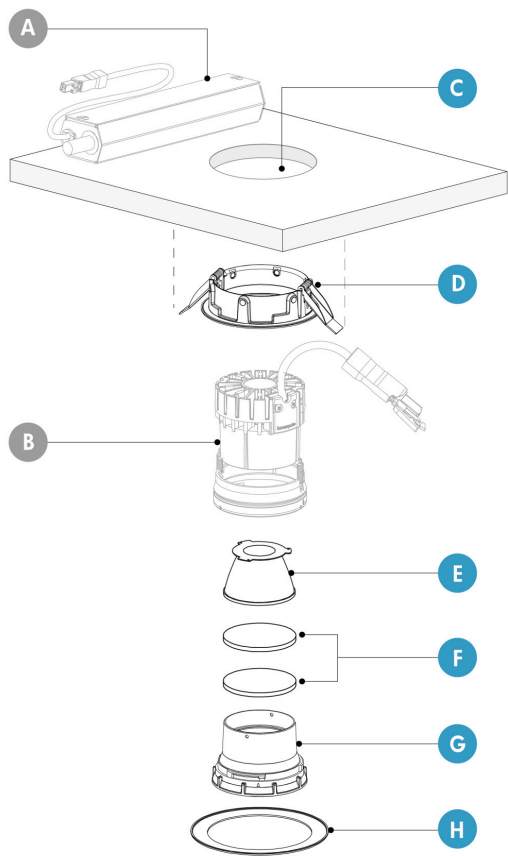
5000K - CRI 90+

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 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 (up to two optical accessories can be combined in the fixture, field changeable)
- G - Decorative bezel**
- H - Trim (round or square, based on ceiling ring selection)**

*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

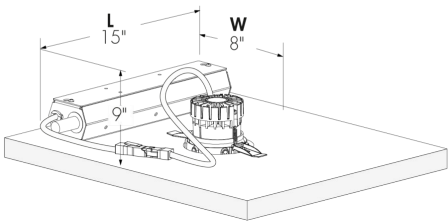
Ceiling Cavity Space Requirements (Length x Width x Height)

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

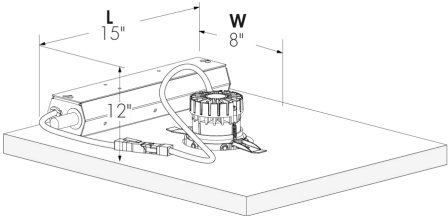
See Installation Type section for dimensional view of keep out and/or MTG mounting kit option.
Above dimensions include any keep out requirements for proper airflow and thermal cooling.

Installation Types

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

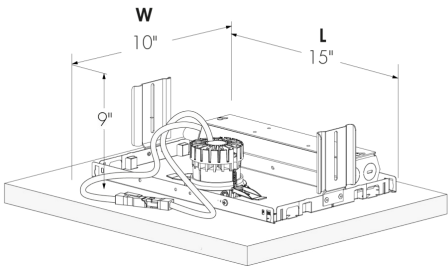


Ceiling Cavity Space Requirements for Fixtures With Trim

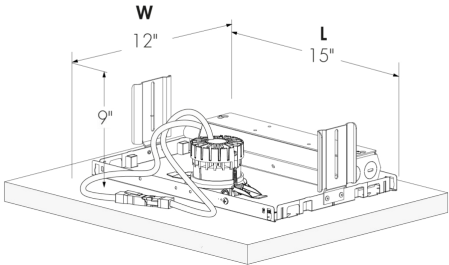


Ceiling Cavity Space Requirements for Trimless Fixtures

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

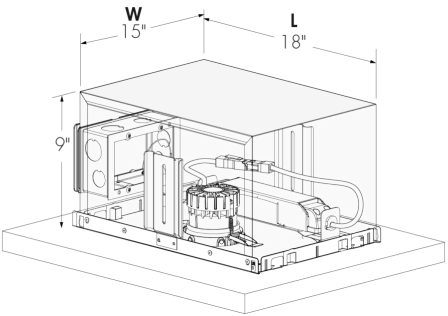


Ceiling Cavity Space Requirements for Fixtures With Trim



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)

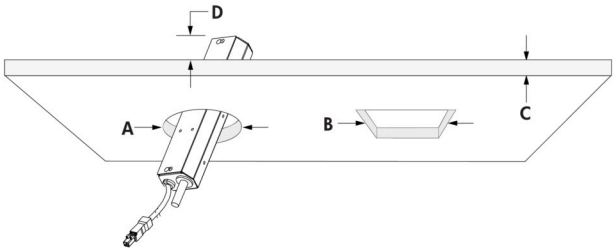
IC/AT - New construction insulated ceiling (Chicago Plenum/airtight, enclosed box)

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

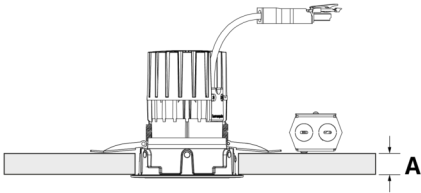
Ceiling Cutout



- 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

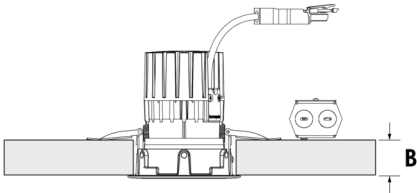
Ceiling Thickness Options

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

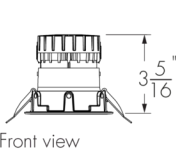
Optic	Short Heatsink	Tall Heatsink
	Lumen Output	Lumen Output
NS, N	N/A	L07
M, MFR, W, WFR, VV	L07, L10	L13

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

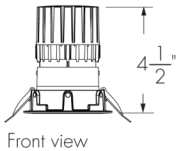
Dimensions

SB - Standard

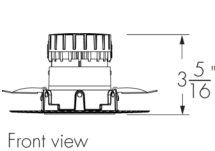
Short Heatsink



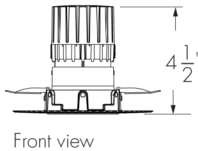
Tall Heatsink



Short model - Trimless

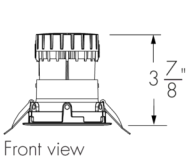


Tall model - Trimless

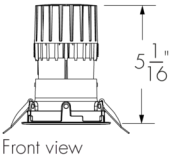


MB - Mid/Semi Recess

Short Heatsink

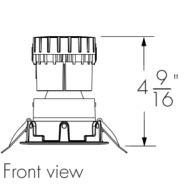


Tall Heatsink

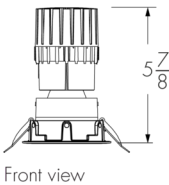


DB - Deep Recess

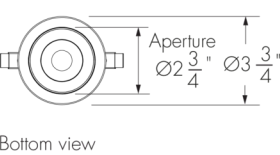
Short Heatsink



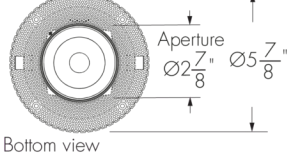
Tall Heatsink



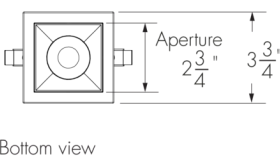
RD - Round Shape, Round Trim



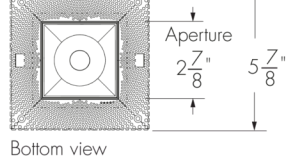
TLR - Trimless Round



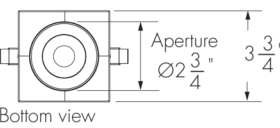
SQ - Square Shape, Square Trim



TLS - Trimless Square

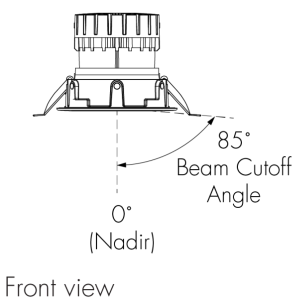


SR - Square Shape, Round Hole

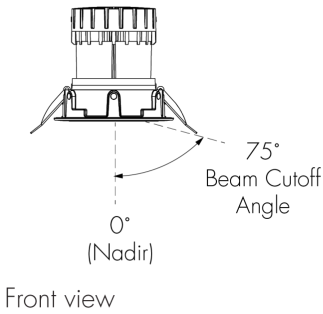


Beam Cutoff Angle

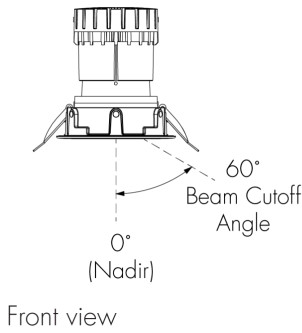
SB - Standard Decorative Bezel



MB - Mid/Semi Recess

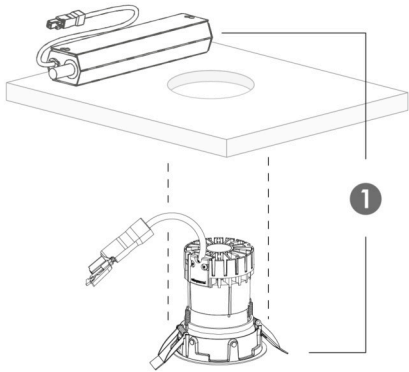


DB - Deep Recess
DR - Deep Rolled Over



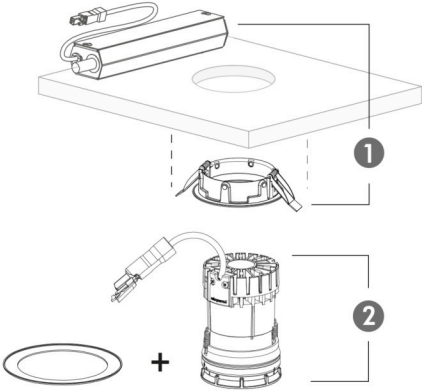
Delivery - How it Works

Standard Shipping (1 delivery)



- Included**
- 1. MTG kit and complete fixture assembly

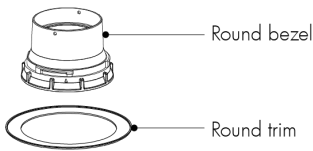
Advanced Shipping of Mounting kit (2 Separate Deliveries)



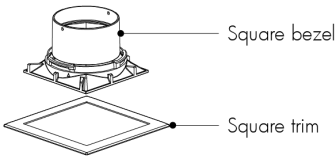
- Included**
- 1. Optional advanced delivery: MTG kit and ceiling mounting ring
 - 2. Second delivery: LUM Core (heatsink, universal fixing ring, LED module, optic, accessories, decorative bezel) and trim
- Consult factory for Advanced Shipping details.

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



RD - Round



SR - Square trim with round hole



TLR - Trimless round

SQ - Compatible Square Trim Shapes



SQ - Square



TLS - Trimless Square

Standard Finishes - Trims



MWH - Matte white



MBK - Matte black



MSI - Matte silver



NKS - Nickel satin



CC - Custom colour*



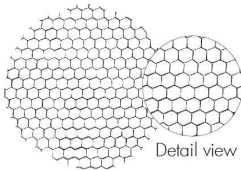
SP - Special colour**

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

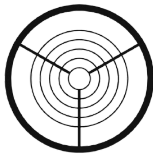
**Special color: choose one of the standard Point Source colors from the Point Source product brochure or Lumencore Cylinder specification sheets. Contact manufacturer for additional information.

Optical Accessories

HL - Honeycomb Louver



XLVR - Concentric Ring Louver



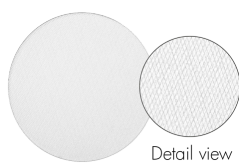
CL - Clear Glass Lens



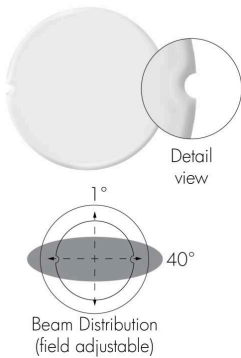
SL - Softening Glass Lens



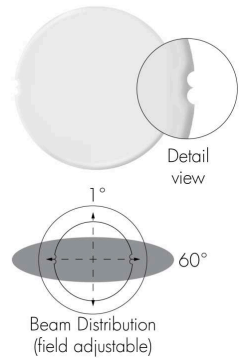
PD - Prismatic Diffuser



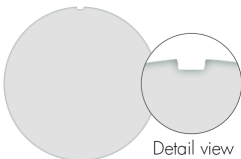
LSN - Linear Spread Lens Narrow (1° x 40°)



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

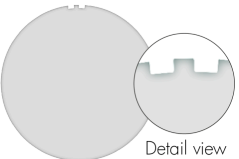


BW1 - Beam Widening Lens (+10°)



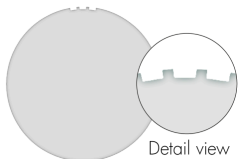
Refer to Beam Widening Lens table for beam distribution based on optic installed in the fixture.

BW2 - Beam Widening Lens (+20°)



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

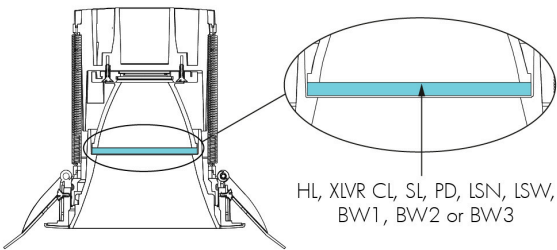
BW3 - Beam widening lens (+30°)



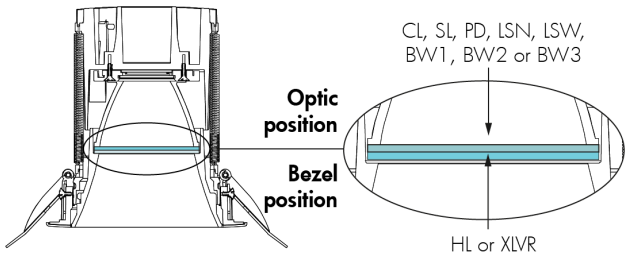
Refer to Beam Widening Lens table for beam distribution based on optic installed in the fixture.

Optical Accessories - Installation Options (Field Changeable)

One Optical Accessory Installed



Two Optical Accessories Installed



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

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 MFR (40°), WFR (60°) and VWFR (80°) distributions.

Beam Widening Lenses

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

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

Power Consumption

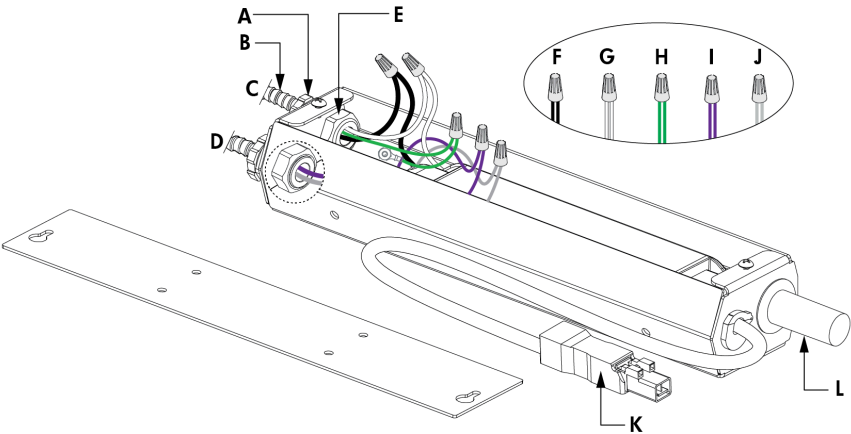
Power consumption [W]				
Output [lm]	NS (15°) - N (25°)		M (40°) - MFR (40°) - W (60°) - WFR (60°) VW (80°) - VWFR (80°)	
	120 V	277 V	120 V	277 V
700	23	23	13	13
1000	N/A	N/A	18	18
1300	N/A	N/A	25	25

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.

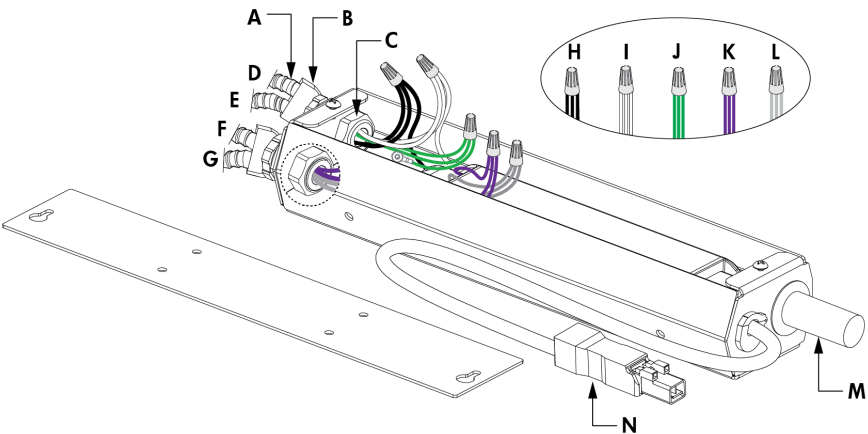
Wiring Details RM: Remodel Non-Insulated Ceiling (Non-Plenum Rated)

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

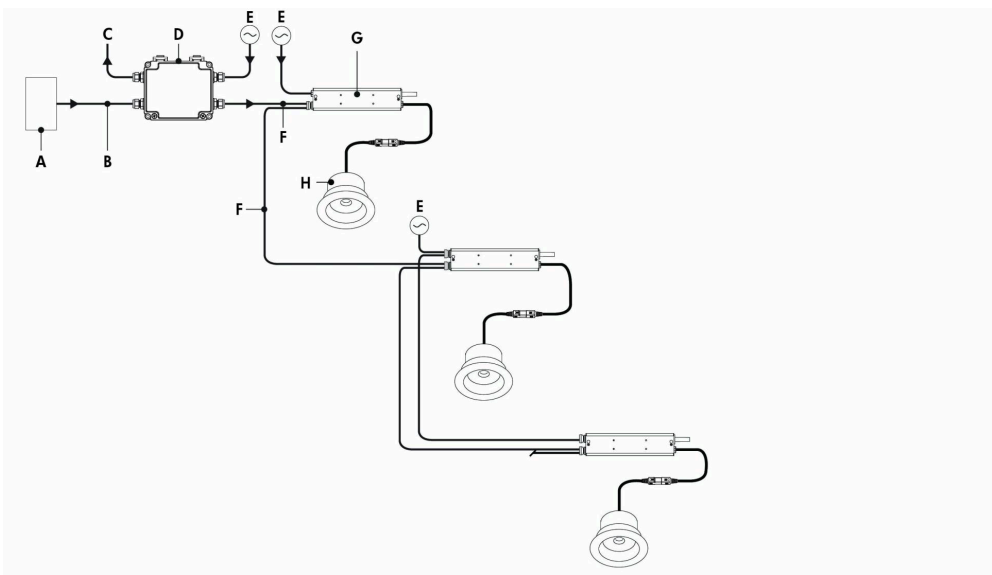


- A - Conduit (by others)
- B - Duplex connector (by others)
- C - Locknut (by others)
- D - Power Output to next luminaire
- E - Power input
- F - Data Output to next luminaire
- G - Data Input from Control System
- H - Line
- I - Neutral
- J - Ground
- K - Data +
- L - Data -
- M - Thermal protector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

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

Typical Wiring Diagrams

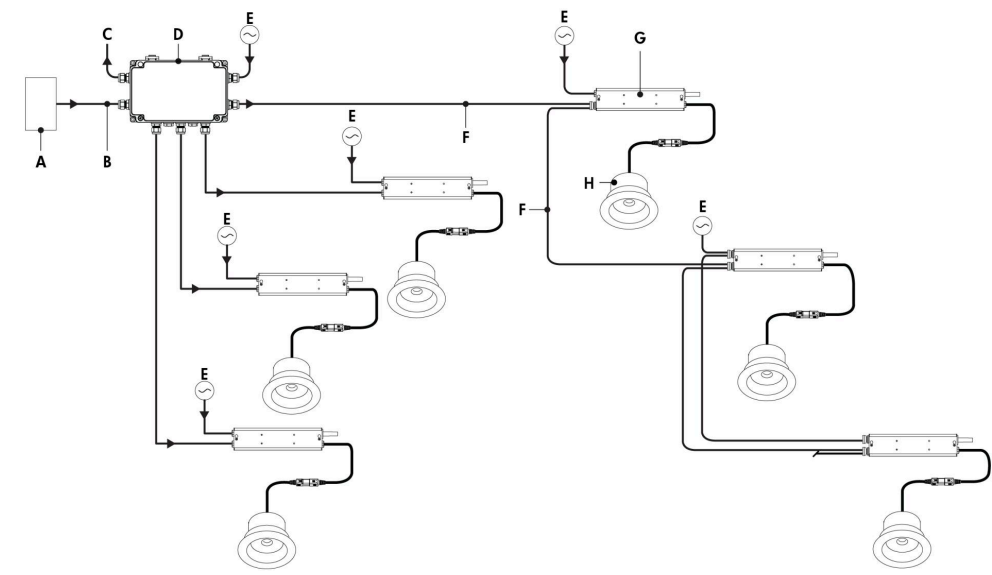
Daisy Chain Layout (DMX/RDM)



- 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.

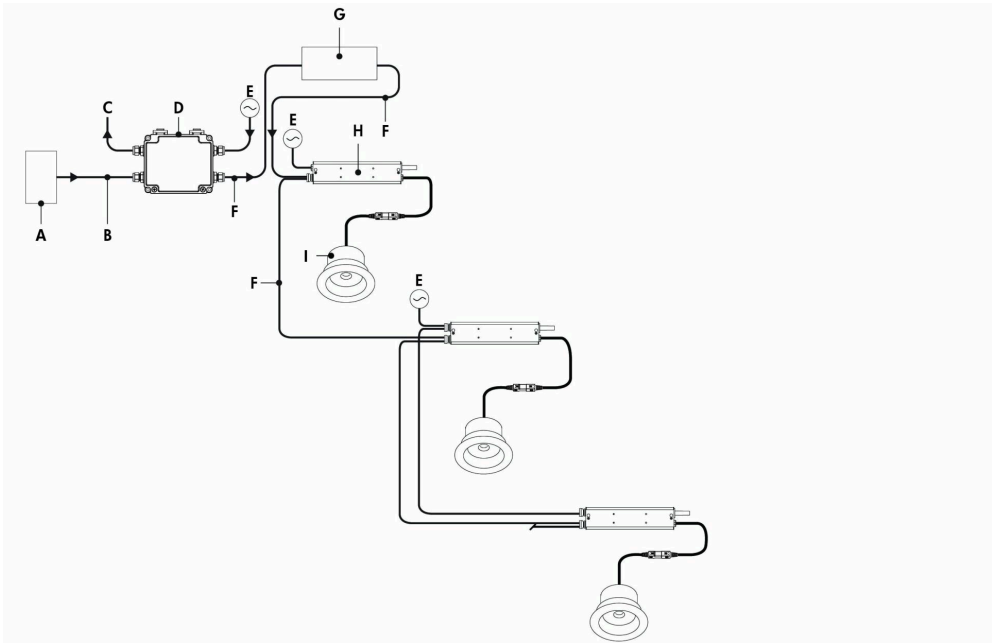
Star Layout (DMX/RDM)



- 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.

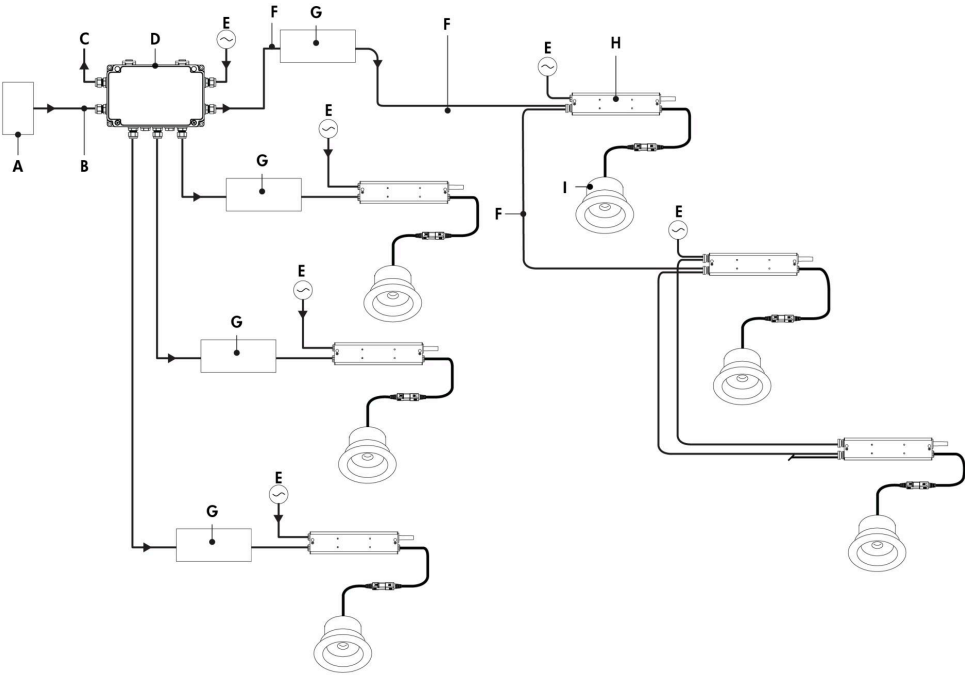
Maximum of 4 DMX/RDM repeaters/CBX cascading in line.

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.

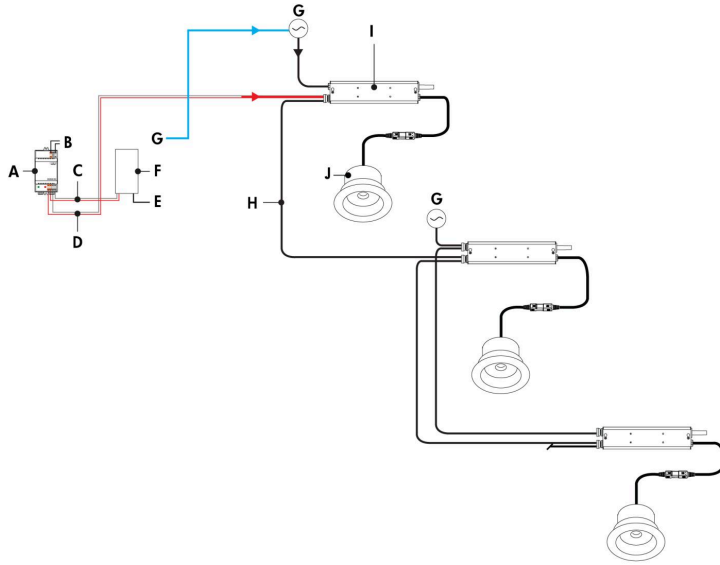
Maximum of 4 DMX/RDM repeaters/CBX cascading in line.

Maximum of 6 outputs per CBX-ST.

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

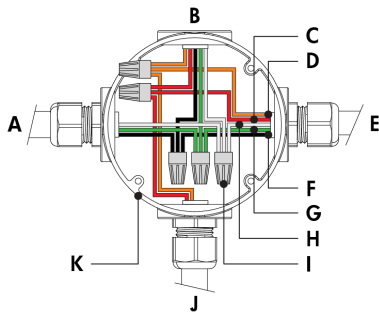
DMX terminator is required at the end of each run to maintain data integrity. Six (6x) DMX lumenterminators included per CBX-ST. See installation instructions for details.

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

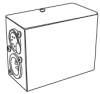


- A** - Power input or from previous fixture
- B** - To fixture
- C** - DA +
- D** - DA -
- E** - To next fixture
- F** - Line
- G** - Ground
- H** - Neutral
- I** - Wire-nut (by others)
- J** - From DALI controller (by others)
- K** - Junction box (by others)

- 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.

Diagnostic And Addressing Tools (Order Separately)

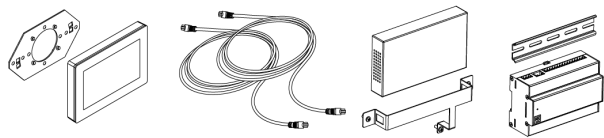
LID - LumenID



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.

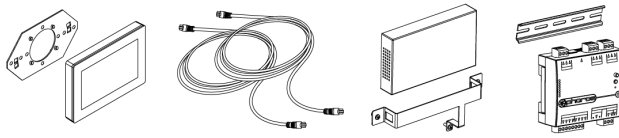
Control Systems (Order Separately)

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.

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
LCRN Lumencore Recessed Nano - 2.75 in	A UL/cUL	FD Downlight	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⁾ ⁽⁶⁾	90 CRI 90+ (White Light Only) ⁽⁴⁾	NS Narrow Spot Distribution 15° ⁽⁷⁾ N Narrow Distribution 25° ⁽⁷⁾ M Medium 40° MFR 40° Faceted Reflector W Wide 60° WFR 60° Faceted Reflector VW 80° Reflector VWFR 80° Faceted Reflector	DMX/RDM DMX/RDM Enabled Dimming 0.1% ⁽⁸⁾ ⁽⁹⁾ ⁽¹⁰⁾ ⁽¹¹⁾ DALI78 DALI 2 T8 Enabled Dimming 0.1% ⁽¹²⁾	SB Standard MB Mid/Semi Recess DB Deep Recess DR Deep Rollover

Notes:

1. Refer to website product configurator for all exceptions.

2. Available for M, MFR, W, WFR, VW and VWFR 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.

How to Order

Decorative Bezel Finish	Trim ⁽¹⁵⁾	Trim Finish	Installation Type	Ceiling Thickness ⁽²¹⁾	Option	Accessories ⁽²⁶⁾
MWH Matte White	RD Round ⁽¹⁴⁾	MWH Matte White	RM Remodel Non-Insulated Ceiling (Non-Plenum Rated) ^{(18) (19)}	1 0.04 in to 1 in Ceiling Thickness	WET IP54 Rating Suitable for Wet Locations ^{(22) (23) (24) (25)}	NA No Accessory
MBK Matte Black	SR Square Trim with Round Hole ⁽¹⁴⁾	MBK Matte Black	NC New Construction Non-Insulated Ceiling (Non-Plenum Rated) ^{(18) (19)}	2 1.05 in to 2 in Ceiling Thickness		HL Honeycomb Louver
MSI Matte Silver	TLR Trimless Round ⁽¹⁴⁾	MSI Matte Silver	PC Plenum Non-Insulated Ceiling (Enclosed Box) ^{(18) (20)}			XLVR Concentric Ring Louver ⁽²⁷⁾
NKS Nickel Satin	SQ Square ⁽¹⁷⁾	NKS Nickel Satin	IC New Construction Insulated Ceiling (Enclosed Box) ^{(18) (20)}			CL Clear Glass Lens
DCH Dark Chrome	TLS Trimless Square ⁽¹⁷⁾	CC Custom Color Trim ⁽¹³⁾	IC/AT New Construction Insulated Ceiling (Chicago Plenum/airtight, enclosed box) ^{(18) (20)}			SL Softening Glass Lens
BCH Bright Chrome		SP Special Point Source Color ⁽¹⁴⁾				PD Prismatic Diffuser ⁽²⁸⁾
SWT Satin Wheat						LSN Linear Spread Lens Narrow (1° x 40°) ⁽²⁹⁾
CC Custom Color Trim ⁽¹³⁾						LSW Linear Spread Lens Wide (1° x 60°) ⁽²⁹⁾
SP Special Point Source Color ⁽¹⁴⁾						BW1 Beam Widening Lens (+10°) ⁽²⁹⁾
						BW2 Beam Widening Lens (+20°) ⁽²⁹⁾
						BW3 Beam Widening Lens (+30°) ⁽²⁹⁾

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. Not applicable to DR bezel option.

16. Cannot be combined with square ceiling cutout.

17. Cannot be combined with round ceiling cutout.

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

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

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

21. Ceiling springs are field changeable, consult factory and installation instructions for details.
22. IP54 rating only if installation is interior covered recessed ceiling-mounted or exterior canopy-mounted.

23. DR bezel is recommended for outdoor canopy installations.

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

25. Wet option respects the IEC 60529:2013 standard.

26. Maximum two accessories per fixture.

27. Can be combined with PD accessory only.

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

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