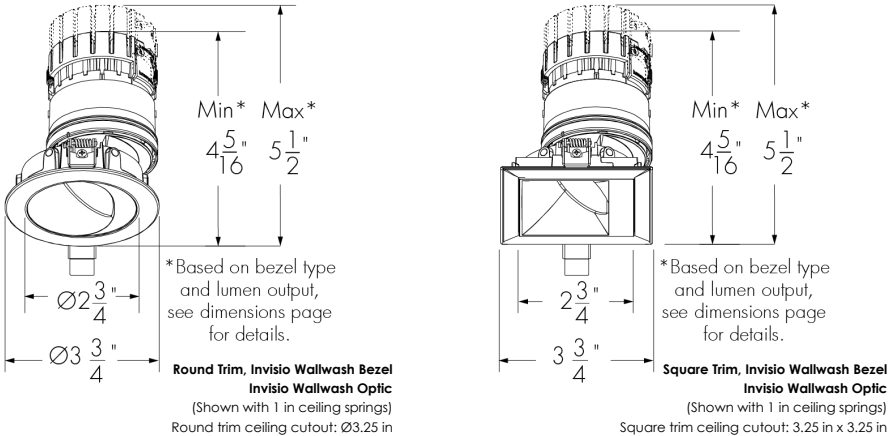


Project Name

Qty

Type

Catalog / Part Number



Photometric Summary

Based on Invisio Wallwash Optic,
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	340	23	21

- 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

Color Rendering

CRI
90+

Description

The Lumencore Recessed Opticolor+ Nano Wallwash 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.

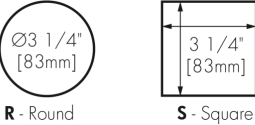
Physical

Cutout	R: Round, S: Square
Decorative Bezel	IB: Invisio Wallwash IRB: Invisio Rollover Wallwash SB: Standard T: Tilt (0° rotation, factory set 30° tilt)
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
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

Control



Ceiling Cutout Shapes



Decorative Bezels (Square Trim)



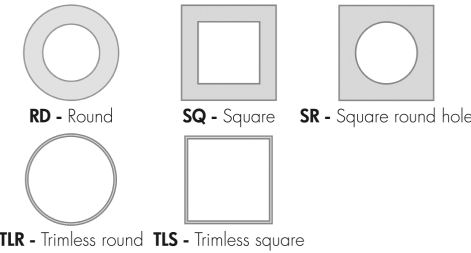
Decorative Bezels (Round Trim)



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)	IWW: Invisio Wallwash DAS: Double Asymmetric Wallwash WW: Accent Wallwash AWW: True Asymmetric Wallwash
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
Warranty	5-year limited warranty
Performance	Up to 372 m Invisio Wallwash Optic, MRGBWP Optidrive™ Enabled (White 3000K CRI 95+, DMX/RDM) Up to 389 m Invisio Wallwash Optic, MRGBWP Optidrive™ Enabled (White 4000K CRI 95+, DMX/RDM) Up to 920 lm Double Asymmetric Wallwash Optic, MRGBWP Optidrive™ Enabled (White 3000K CRI 95+, DMX/RDM) Up to 961 lm Double Asymmetric Wallwash Optic, MRGBWP Optidrive™ Enabled (White 4000K CRI 95+, DMX/RDM)
Color Consistency	3 SDCM (in white light color temperatures)

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

Rating

IP20

Lumencycle™ Program



Certifications





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
Environment	Damp location rating (interior applications 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

WW - Accent Wallwash, 4000K

Nominal output [lm]	Delivered output [lm]†					
	Full On	Red	Green	Blue	White 30K CRI 96+	White 40K CRI 95+
700	276	141	231	57	273	285
1000	389	150	260	56	385	402

IWW - Invisio Wallwash, 4000K

Nominal output [lm]	Delivered output [lm]†					
	Full On	Red	Green	Blue	White 30K CRI 96+	White 40K CRI 95+
700	344	176	288	71	340	355
1000	486	188	324	70	480	502

AWW - True Asymmetric Wallwash, 4000K

Nominal output [lm]	Delivered output [lm]†					
	Full On	Red	Green	Blue	White 30K CRI 96+	White 40K CRI 95+
700	443	226	371	91	438	458
1000	626	242	418	91	619	646

DAS - Double Asymmetric Wallwash, 4000K

Nominal output [lm]	Delivered output [lm]†					
	Full On	Red	Green	Blue	White 30K CRI 96+	White 40K CRI 95+
700	419	263	490	124	414	432
1000	676	368	668	176	668	698
1300	931	412	804	211	920	961

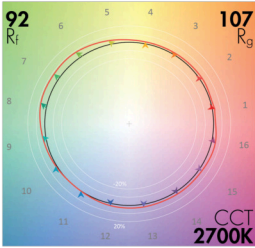
Photometric information is based on a factory-set Optidrive™ mode configuration.

† Consult website for IES files. Delivered output: +/- 10% tolerance.
Consult Power consumption section for more wattage information.
Refer to application section of brochure for details.

TM-30

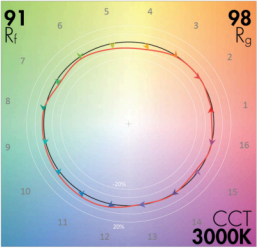
2700K - CRI 90+

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



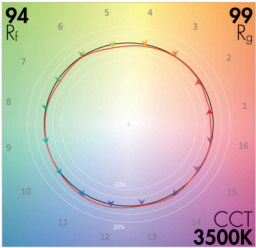
3000K - CRI 90+

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



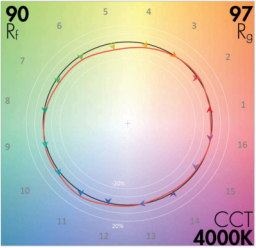
3500K - CRI 90+

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



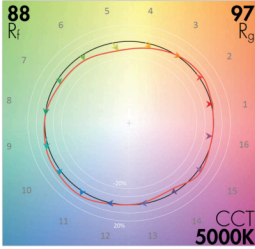
4000K - CRI 90+

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



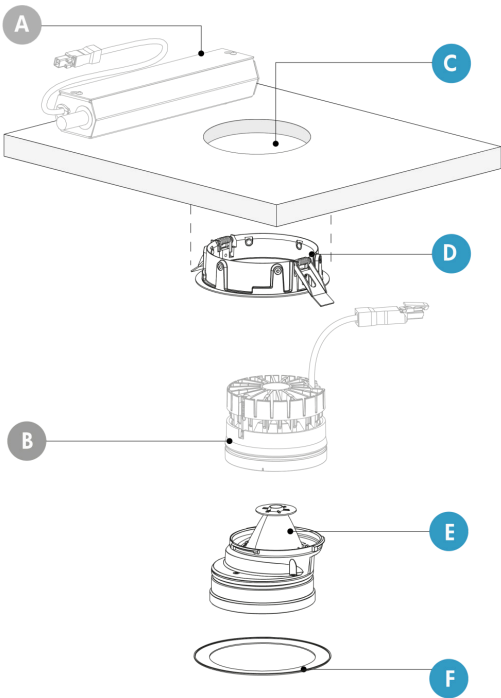
5000K - CRI 90+

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 (IWW Optic)



Standard Parts

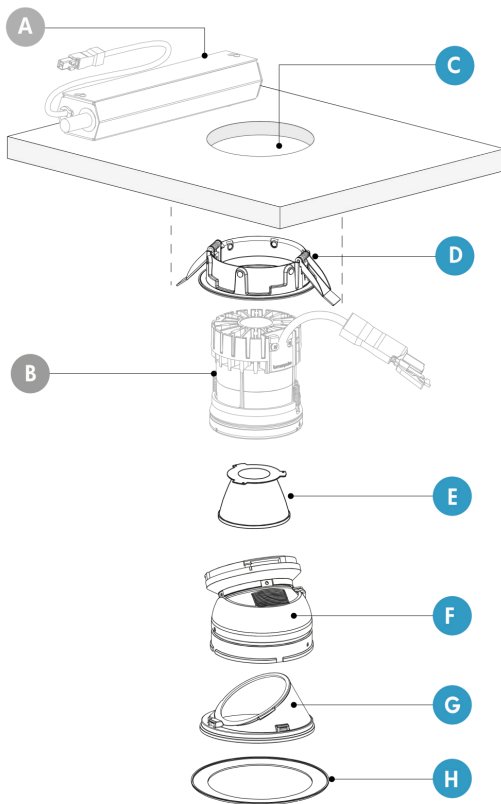
- A - MTG Mounting kit
- B - LUM Core (heatsink, universal fixing ring, LED module)

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 and Decorative bezel Assembly (IB and IRB)
- F - Trim (round or square, based on ceiling ring selection)

Exploded Overview - Part Selection (DAS, WW and AWW Optics)



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 - Adjustable mechanism
- G - Decorative bezel (SB type for AWW and DAS optics, T Type for WW optic)
- H - Trim (round or square, based on ceiling ring selection)

* WW optic is field changeable. Consult Interchangeable Optics section of the specification sheet for details.

Based on WW optic construction.

Ceiling Requirements

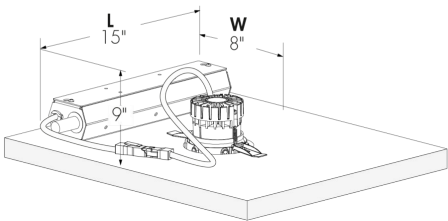
Ceiling Cavity Space Requirements (Length x Width x Height)

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

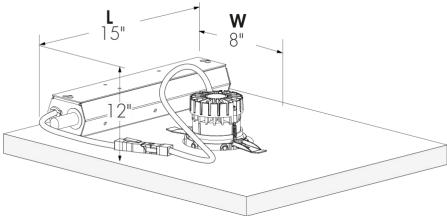
See Installation Type section for dimensional view of keep out and/or MTG mounting kit option.
Above dimensions include any keep out requirements for proper airflow and thermal cooling.

Installation Types

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

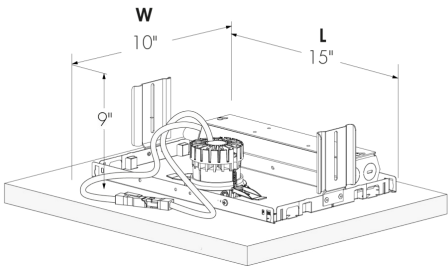


Ceiling Cavity Space Requirements for Fixtures With Trim

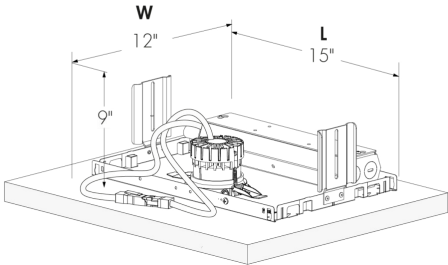


Ceiling Cavity Space Requirements for Trimless Fixtures

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

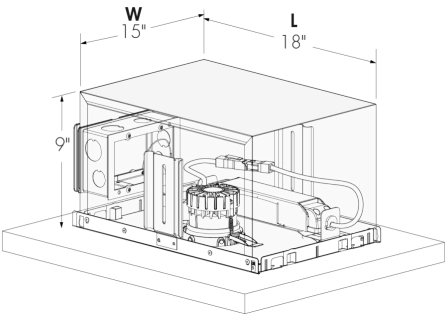


Ceiling Cavity Space Requirements for Fixtures With Trim



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)

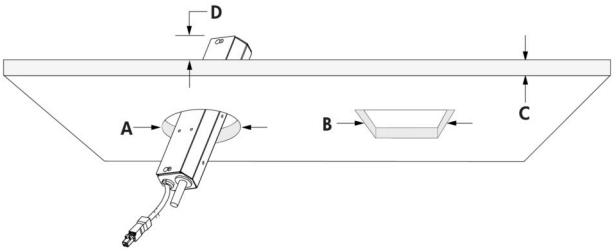
IC/AT - New construction insulated ceiling (Chicago Plenum/airtight, enclosed box)

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.

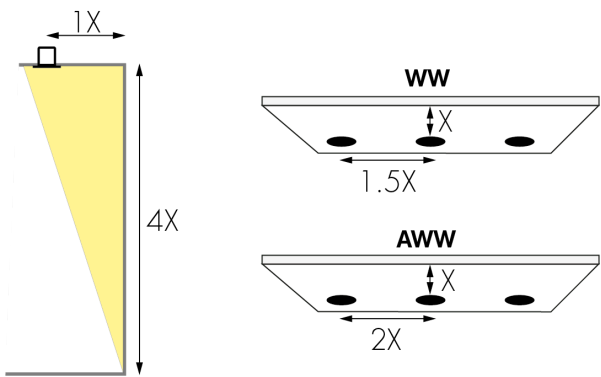
Ceiling Requirements

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

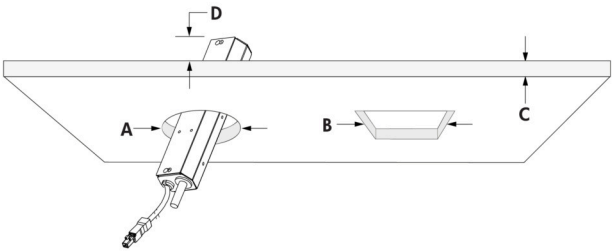
Setback and Spacing Information



- Guidelines for Accent Wallwash Optic (WW):**
Setback ratio: 1:4
Spacing: on center, 1.5x setback
Example for an 8 ft wall: 2 ft setback, 3 ft spacing between fixtures

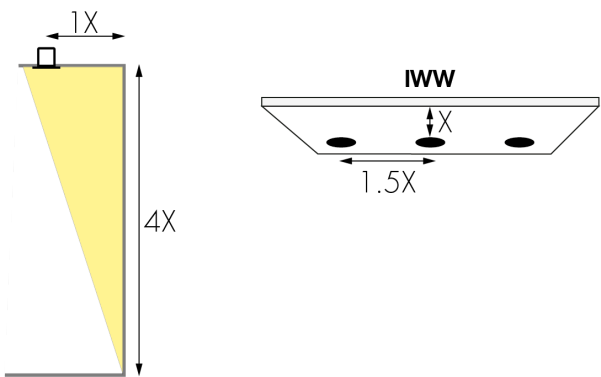
- Guidelines for True Asymmetric Wallwash Optic (AWW):**
Setback ratio: 1:4
Spacing: on center, 2x setback
Example for an 8 ft wall: 2 ft setback, 4 ft spacing between fixtures

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

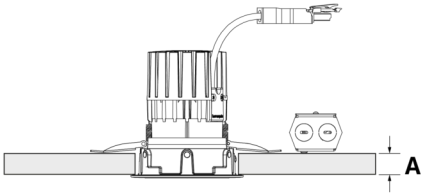
Setback and Spacing Information



- Guidelines for Invisio Wallwash Optic (IWW):**
Setback ratio: 1:4
Spacing: on center, 1.5x setback
Example for a 10 ft wall: 3 ft setback, 4.5 ft spacing between fixture

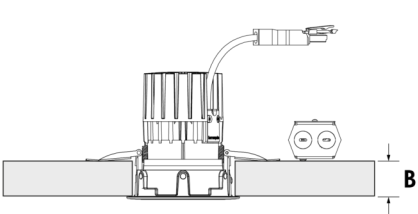
Ceiling Thickness Options

Ceiling Thickness 1



A - Ceiling thickness range: 0.04 in to 1 in

Ceiling Thickness 2



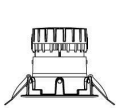
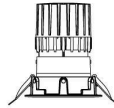
B - Ceiling thickness range: 1.05 in to 2 in

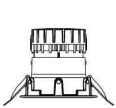
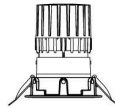
Ceiling springs are field changeable, consult installation instructions and factory for details.

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

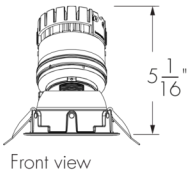
		
	Short Heatsink	Tall Heatsink
Optic	Lumen Output	Lumen Output
IWW, AWW, VWW	N/A	L07
DAS	L07, L10	L13

		
	Short Heatsink	Tall Heatsink
Optic	Lumen Output	Lumen Output
IWW, AWW, VWW	N/A	L07
DAS	L07	N/A

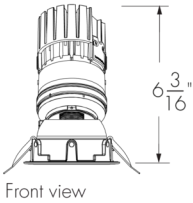
Dimensions - Wallwash

Trim

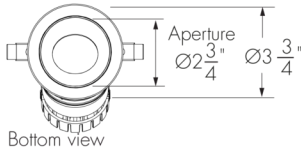
Short model



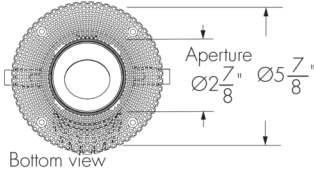
Tall model



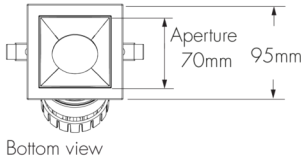
RD - Round Shape, Round Trim



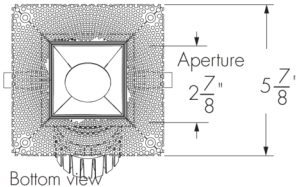
TLR - Trimless Round



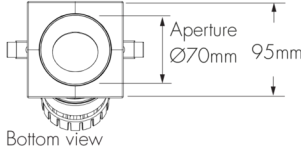
SQ - Square Shape, Square Trim



TLS - Trimless Square

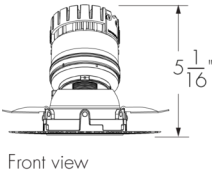


SR - Square Shape, Round Hole

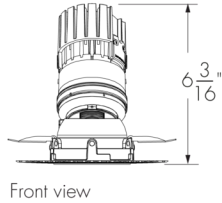


Trimless

Short model



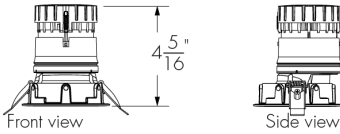
Tall model



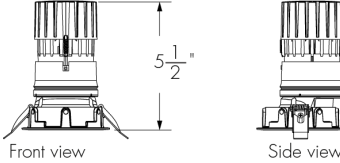
Dimensions - Invisio Wallwash Optic

SB - Standard Decorative Bezel

Short model

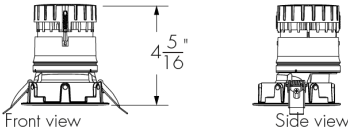


Tall model

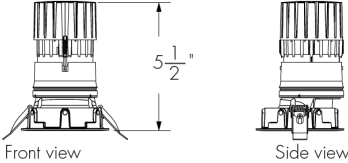


DR - Deep Roll Bezel

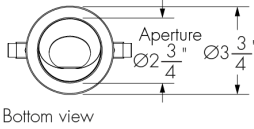
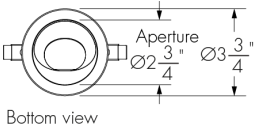
Short model



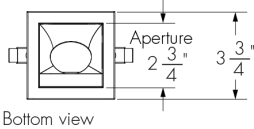
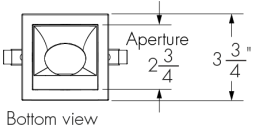
Tall model



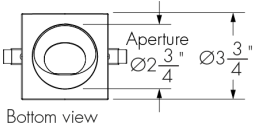
RD - Round Shape, Round Trim



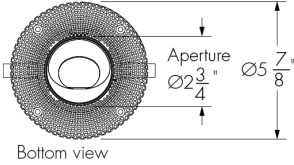
SQ - Square Shape, Square Trim



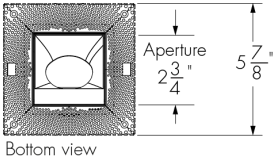
SR - Square Shape, Round Hole



TLR - Trimless Round

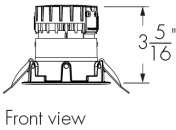


TLS - Trimless Square

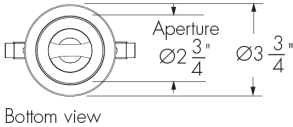


Dimensions - Double Asymmetric Wallwash Optic

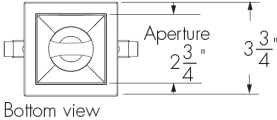
Short model



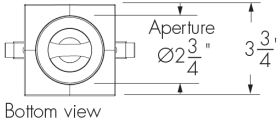
RD - Round Shape, Round Trim



SQ - Square Shape, Square Trim

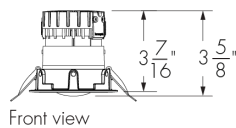


SR - Square Shape, Round Hole

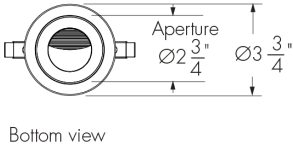


Dimensions - Asymmetric Wallwash Optic

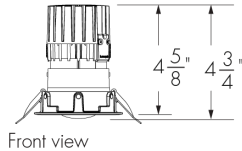
Short model



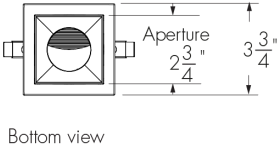
RD - Round Shape, Round Trim



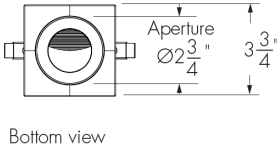
Tall model



SQ - Square Shape, Square Trim

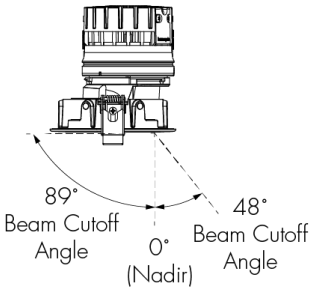


TLR - Trimless Round



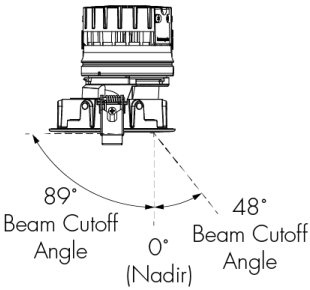
Beam Cutoff Angle

IWW - Invisio Wallwash
IB - Invisio Wallwash Bezel



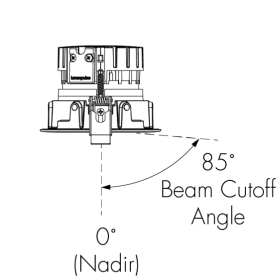
Side view

IWW - Invisio Wallwash
IRB - Invisio Rollover Wallwash Bezel



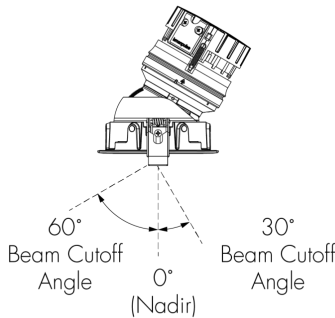
Side view

DAS - Double Asymmetric Wallwash
SB - Standard Bezel



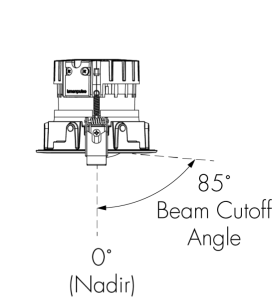
Side view

WW - Accent Wallwash
T - Fixed Tilt Bezel



Side view
(Based on 30° fixed tilt)

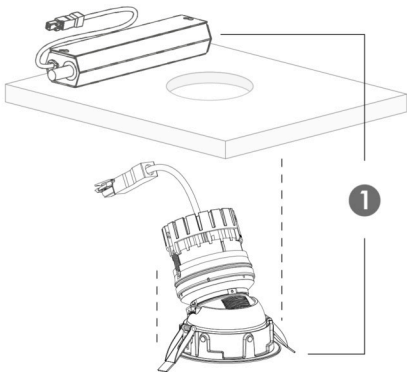
AWW - True Asymmetric Wallwash
SB - Standard Bezel



Side view

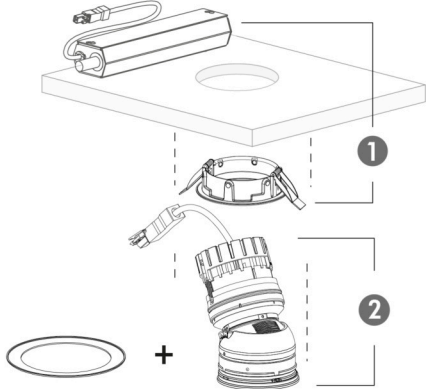
Delivery - How it Works

Standard Shipping (1 delivery)



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

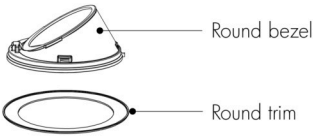
Advanced Shipping of Mounting kit (2 Separate Deliveries)



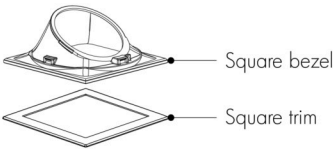
- Included
- 1. Optional advanced delivery: MTG Mounting kit and ceiling mounting ring
 - 2. Second delivery: LUM Core (heatsink, universal fixing ring, LED module, optic, decorative bezel) and trim
- Consult factory for Advanced Shipping details.

Ceiling Cutout Shape Options

RD - Round Ceiling Cutout



SQ - Square Ceiling Cutout



Decorative Bezel Options

RD - Compatible Round Decorative Bezels



SB - Standard



T - Tilt



IB - Invisio Wallwash



IRB - Invisio Rollover Wallwash

SQ - Compatible Square Decorative Bezels



SB - Standard



T - Tilt



IB - Invisio Wallwash



IRB - Invisio Rollover Wallwash

Standard Finishes - Decorative Bezels



MWH - Matte white



MBK - Matte black



MSI - Matte silver



NKS - Nickel satin



DCH - Dark chrome



BCH - Bright chrome



SWT - Satin wheat



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.

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.

Interchangeable Optics

	Optic installed in fixture			
	IWW	WW	AWW	DAS
	Invisio Wallwash	Accent Wallwash	True Asymmetric Wallwash	Double Asymmetric Wallwash
Interchangeable optics	N/A	NS* N* NFR*	N/A	N/A

The optic options listed above are field changeable. Note that when the wallwash optic is changed for another optic, the fixture is no longer suitable for wallwash applications. Consult factory and installation instructions for details.

* Consult the Lumencore Recessed Nano Fixed Tilt specification sheet for details.

Power Consumption

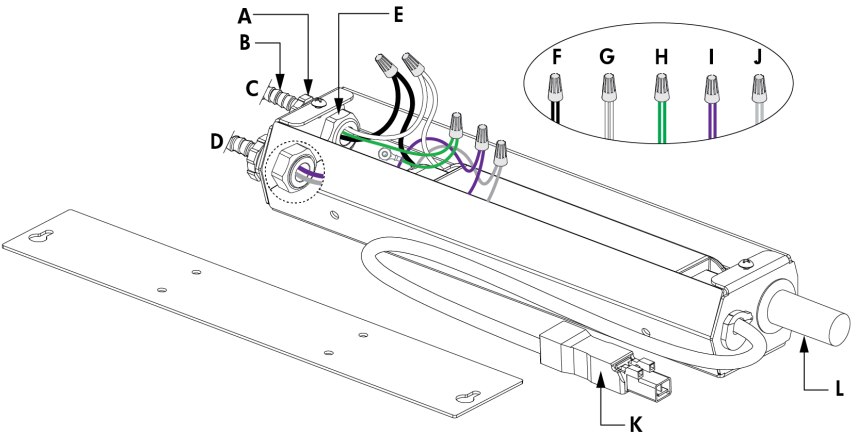
Power consumption [W]				
Output [lm]	IWW - WW - AWW		DAS	
	120 V	277 V	120 V	277 V
700	23	23	13	13
1000	N/A	N/A	18	18
1300	N/A	N/A	25	25

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.

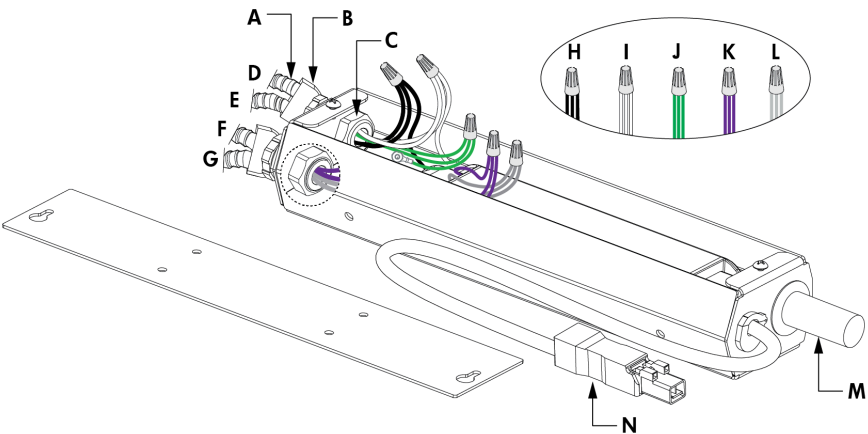
Wiring Details RM: Remodel Non-Insulated Ceiling (Non-Plenum Rated)

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

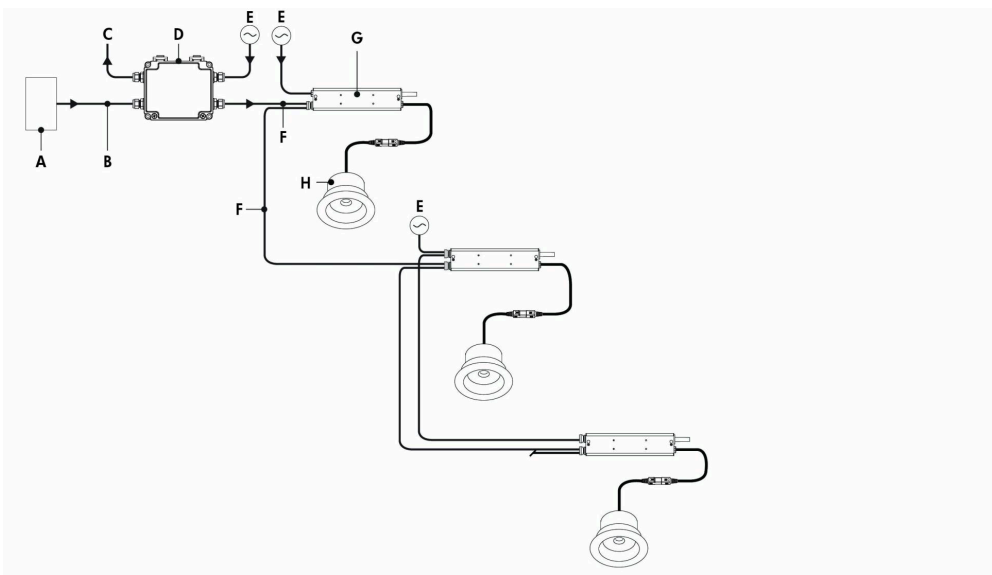


- A - Conduit (by others)
- B - Duplex connector (by others)
- C - Locknut (by others)
- D - Power Output to next luminaire
- E - Power input
- F - Data Output to next luminaire
- G - Data Input from Control System
- H - Line
- I - Neutral
- J - Ground
- K - Data +
- L - Data -
- M - Thermal protector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

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

Typical Wiring Diagrams

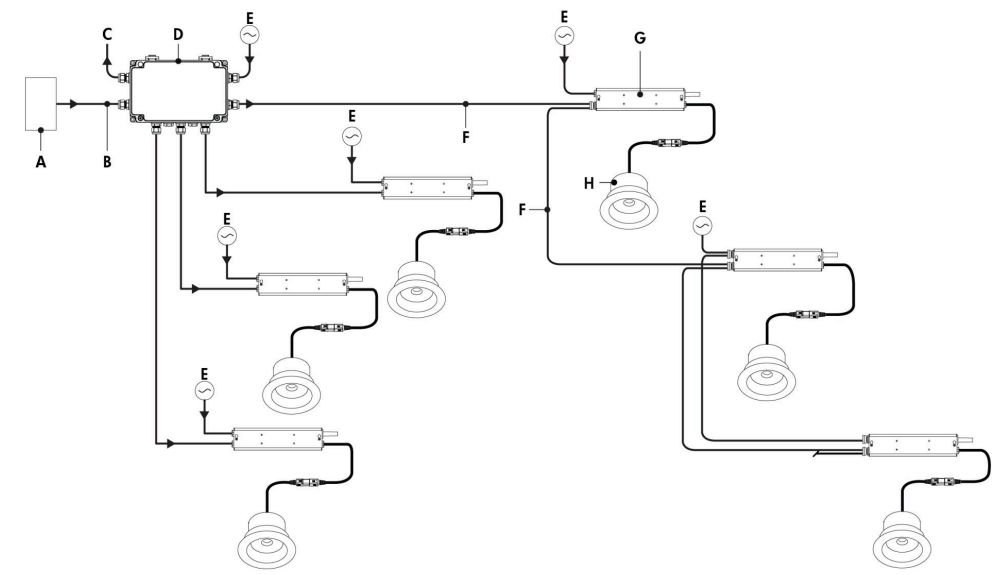
Daisy Chain Layout (DMX/RDM)



- 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.

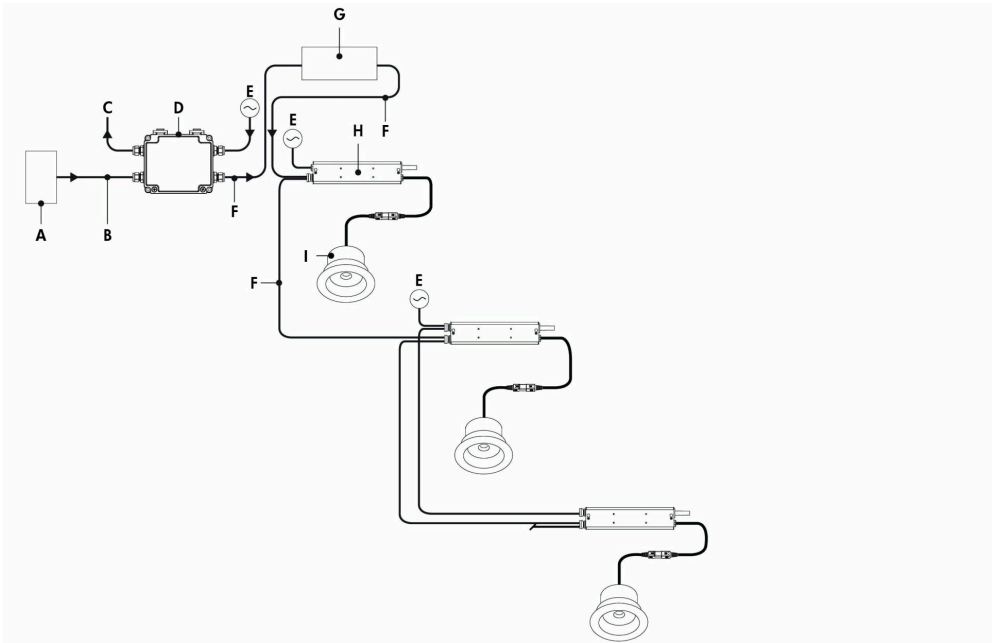
Star Layout (DMX/RDM)



- 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.

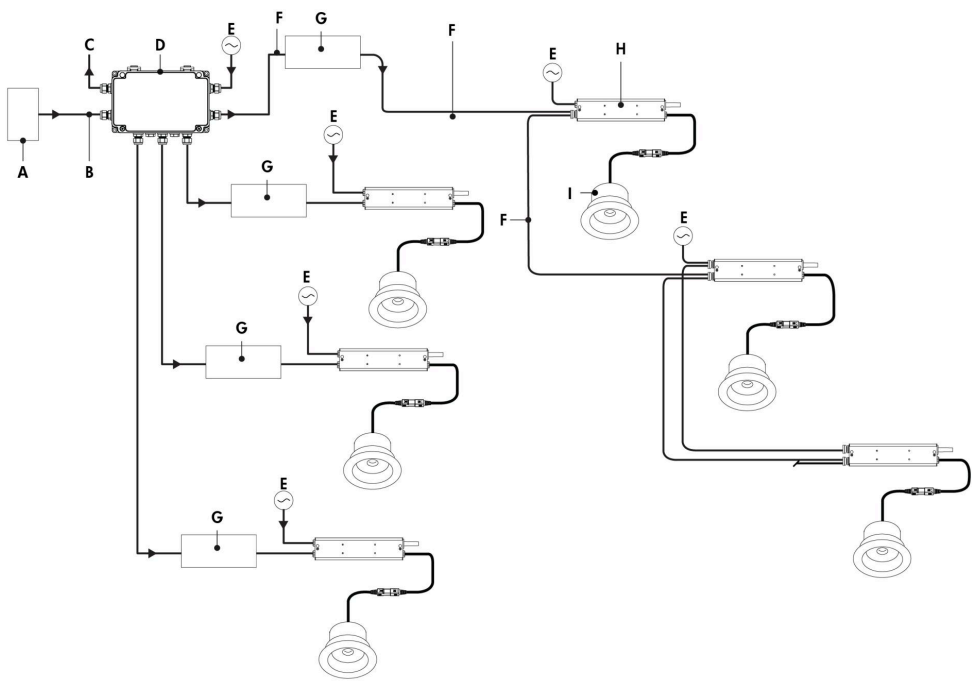
Maximum of 4 DMX/RDM repeaters/CBX cascading in line.

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.

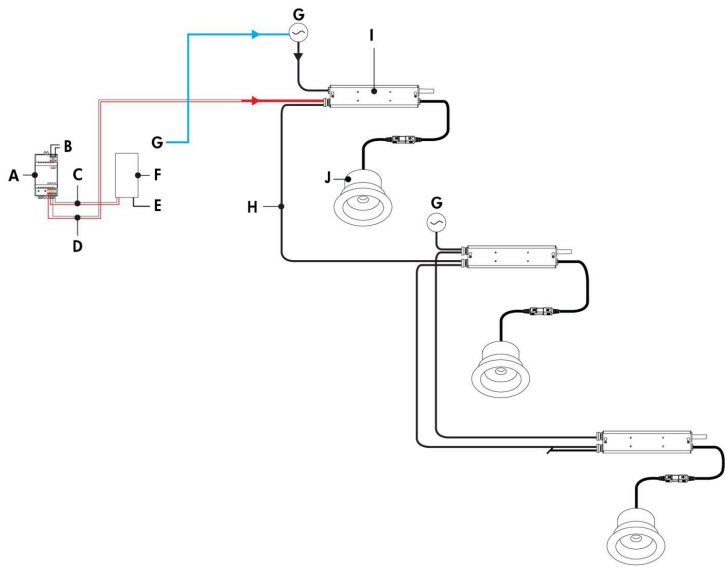
Maximum of 4 DMX/RDM repeaters/CBX cascading in line.

Maximum of 6 outputs per CBX-ST.

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

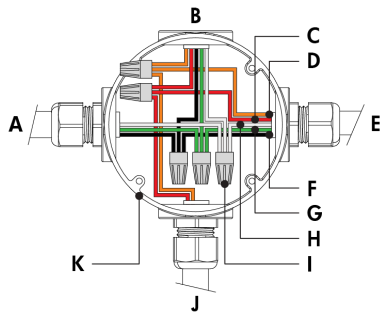
DMX terminator is required at the end of each run to maintain data integrity. Six (6x) DMX lumenterminators included per CBX-ST. See installation instructions for details.

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

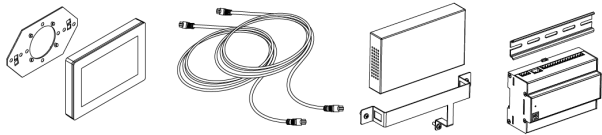


- A - Power input or from previous fixture
- B - To fixture
- C - DA +
- D - DA -
- E - To next fixture
- F - Line
- G - Ground
- H - Neutral
- I - Wire-nut (by others)
- J - From DALI controller (by others)
- K - Junction box (by others)

- 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
LCRN Lumencore Recessed Nano - 2.75 in	A UL/cUL	WA Wallwash	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⁾	IWW Invisio Wallwash ⁽⁷⁾ DAS Double Asymmetric Wallwash ⁽⁸⁾ WW Accent Wallwash ⁽⁷⁾ AWW True Asymmetric Wallwash ⁽⁷⁾ ⁽⁹⁾	DMX/RDM DMX/RDM Enabled Dimming 0.1% ⁽¹⁰⁾ ⁽¹¹⁾ ⁽¹²⁾ ⁽¹³⁾ DALI28 DALI 2 T8 Enabled Dimming 0.1% ⁽¹⁴⁾	IB Invisio Wallwash ⁽¹⁵⁾ IRB Invisio Rollover Wallwash ⁽¹⁵⁾ SB Standard ⁽¹⁶⁾ T Tilt (0° rotation, factory set 30° tilt) ⁽¹⁷⁾

Notes:

1. Refer to website product configurator for all exceptions.

2. Available for DAS optic 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. The color of the double asymmetric baffle is metallic gray.
9. The color of the asymmetric wallwash baffle matches the color specified for the decorative bezel.

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

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

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

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

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

15. Available for IWW optic only.

16. Available for AWW and DAS optics only.

17. Available for WW optic only.

How to Order

Decorative Bezel Finish	Trim ⁽²⁰⁾	Trim Finish ⁽²⁰⁾	Installation Type	Ceiling Thickness ⁽²⁷⁾	Accessories
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 ⁽¹⁸⁾ SP Special Point Source Color ⁽¹⁹⁾	RD Round ⁽²¹⁾ SR Square Trim with Round Hole ⁽²¹⁾ TLR Trimless Round ⁽²¹⁾ SQ Square ⁽²²⁾ TLS Trimless Square ⁽²²⁾	MWH Matte White MBK Matte Black MSI Matte Silver NKS Nickel Satin CC Custom Color Trim ⁽¹⁸⁾ SP Special Point Source Color ⁽¹⁹⁾	RM Remodel Non-Insulated Ceiling (Non-Plenum Rated) ⁽²³⁾ ⁽²⁴⁾ NC New Construction Non-Insulated Ceiling (Non-Plenum Rated) ⁽²³⁾ ⁽²⁴⁾ PC Plenum Non-Insulated Ceiling (Enclosed Box) ⁽²⁵⁾ ⁽²⁶⁾ IC New Construction Insulated Ceiling (Enclosed Box) ⁽²⁵⁾ ⁽²⁶⁾ IC/AT New Construction Insulated Ceiling (Chicago Plenum/airtight, enclosed box) ⁽²⁵⁾ ⁽²⁶⁾	1 0.04 in to 1 in Ceiling Thickness 2 1.05 in to 2 in Ceiling Thickness	NA No Accessory

Notes:

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

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

20. Not available for IWW optic when combined with IRB decorative bezel.

21. Cannot be combined with square ceiling cutout.

22. Cannot be combined with round ceiling cutout.
- 23.** Available up to 700 lumens when combined with IWW, WW or WWW optics.

24. Available up to 1300 lumens when combined with DAS optic.

25. Available for 700 lumens when combined with IWW, WW and AWW optics.

26. Available up to 1000 lumens when combined with DAS optic.

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