

Project Name

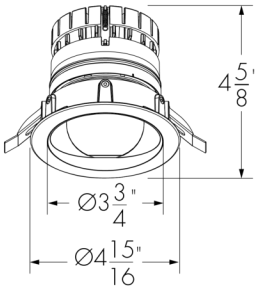
Qty

Type

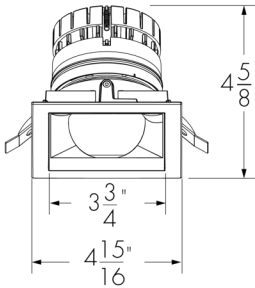
Catalog / Part Number



IWW Optic Shown



Round Trim, Invisio Wallwash Bezel
Invisio Wallwash Optic
(Shown with 1 in ceiling springs)
Round trim ceiling cutout: Ø4.5 in



Square Trim, Invisio Wallwash Bezel
Invisio Wallwash Optic
(Shown with 1 in ceiling springs)
Square trim ceiling cutout: 4.5 in x 4.5 in

Photometric Summary

Based on Invisio Wallwash Optic, 4000K, CRI 90+

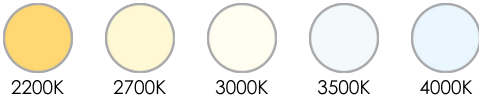
Nominal output [lm]	Delivered output [lm] ^[1]	Insulated ceiling		Non-insulated ceiling	
		Power (120V) [W]	Efficacy [lm/W]	Power (120V) [W]	Efficacy [lm/W]
700	475	7.5	63	9.5	50
1000	620	11	56	13	48
1300	845	13	65	15	56
2000	1,320	21	63	23	57

[1] Consult website for latest IES files.

Optics



Color and Color Temperature



Color Rendering

CRI 80+

CRI 90+

CRI 95+

Description

The Lumencore Recessed Small Wallwash is a high-performance LED downlight for wallwash applications. Available in an array of trims and finishes, outputs, color and renderings, these luminaires are here to outperform. The Lumencore Recessed Small Wallwash possesses a previously unseen lifespan, is quick to install, and can be used with a number of different control options.

Physical

Cutout	R: Round, S: Square
Decorative Bezel	IB: Invisio Wallwash IRB: Invisio Rollover Wallwash SB: Standard (available for AWW and DAS optics only) T: Fixed Tilt (0° rotation, factory set 30° tilt) (available for WW optic only)
Trim	RD: Round TLR: Trimless Round SQ: Square SR: Square Trim with Round Hole 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	3.4 lbs with RM installation type, 4.75 lbs with NC installation type, 10.8 lbs with PC, IC, IC/AT and RMR installation types (Weights are approximate based on the heaviest fixture configuration)

Please consult factory if exact fixture weight is needed

Controls

ON/OFF

0-10V

PRO
0-10V

PH

PRO
PH

LUTRON

Caseta Wireless
by LUTRON

vive
by LUTRON

nLIGHT


DALI

PRO
DALI

DMXrdm


lumen
talk

Ceiling Cutout Shapes



Ø4 1/2"
[114mm]

R - Round



4 1/2"
[114mm]

S - Square

Decorative Bezels (Round Trim)



SB - Standard



T - Fixed Tilt



IB - Invisio
Wallwash



IRB - Invisio Rollover
Wallwash

Decorative Bezels (Square Trim)



SB - Standard



T - Fixed Tilt




IB - Invisio
Wallwash




IRB - Invisio Rollover
Wallwash


Standard Finishes - Decorative Bezels




MWH - Matte white




MBK - Matte black




NKS - Nickel satin




DCH - Dark chrome




BCH - Bright chrome




SWT - Satin wheat



CPG - Champagne
Gold



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



SP - Special colour
(choose from colour
palette in complete
specification sheet)

Ceiling Space Requirements (Length x Width x Height)

Up to 12 in x 12 in x 17 in with RM installation type,
Up to 14 in x 11 in x 7 in with NC installation type
Up to 18 in x 15 in x 9 in with PC/IC/ICAT/RMR installation
types
(Dimensions will vary by output and color rendering, refer to
Ceiling Requirements table for details.)

Features

Output (Nominal Lumens)	L07: 700 lm, L10: 1000 lm, L13: 1300 lm, L20: 2000 lm
Color and Color Temperature	22K: 2200K, 27K: 2700K, 30K: 3000K, 35K: 3500K, 40K: 4000K
Optics (Nominal Distribution)	IWW: Invisio Wallwash DAS: Double asymmetric WW: Accent Wallwash AWW: True Asymmetric Wallwash
Decorative Bezel Finish	MWH: Matte White MBK: Matte Black NKS: Nickel Satin DCH: Dark Chrome BCH: Bright Chrome SWT: Satin Wheat CPG: Champagne Gold 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 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 (Plenum Rated in
Accordance to UL 2043 & CAN/ULC-S142)
NC: New Construction Non-Insulated Ceiling (Plenum Rated
in Accordance to UL 2043 & CAN/ULC-S142)
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)
RMR: Remote Recessed Insulated Ceiling/Plenum (enclosed
box)

Option

EBB: Emergency Battery Backup with Hanger Bar (Bodine
BSL17C-C2)
EBI: Emergency Battery Backup with Hanger Bar (Iota ILB-
CP07-A TBTS)

Certifications

UL compliant (this luminaire is listed & labeled for such use in
accordance with UL2043 & CAN/ULC-S142), RoHS

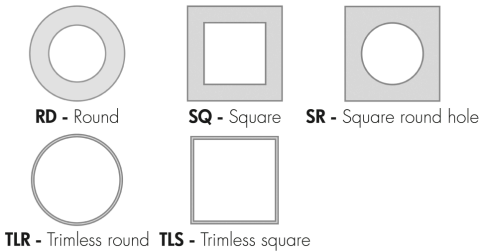
Warranty

5-year limited warranty

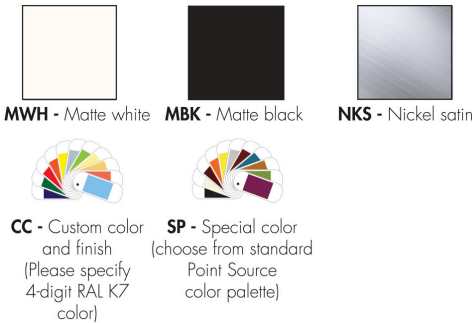
Electrical and Control

Voltage	120: 120 Volts, 277: 277 Volts, 347: 347 Volts
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Trim Shapes



Standard Finishes for Trim



Adjustability



Options



Rating

IP20

Certifications



Wattage Range	8.5W to 30W (wattage will vary based on voltage, output, color rendering, optic, control and installation type, refer to Power Consumption table for details)
Control	NO: On/Off Control NO3: On/Off Control 347V DAMC: Standard 0-10V Dimming 1% Linear Curve DA1: Standard 0-10V Dimming 1% Linear Curve DA2: Standard 1-10V Dimming 1% Logarithmic Curve DA3: Standard 0-10V Dimming 1% Linear Curve (347V) PDA1: Professional 0-10V Dimming 0.1% Linear Curve PDA2: Professional 0-10V Dimming 0.1% Logarithmic Curve PH: Phase Dimming PPH: Phase Dimming 1% PHB: Pro Phase Dimming ERP PHB Series ESP: Lutron® Hi-lume Premier 0.1% EcoSystem® PEQ0 Soft-on/Fade-to-Black CA: Lutron® Caséta dimming compatible (Lutron Hi-lume 1% 2-wire LTEA) (temporarily unavailable) VI: Lutron® Vive control enabled (Lutron VIVE FCJS-010) NL: nLight® control enabled (nPS-80-EZ) NLER: nLight® emergency control enabled (nPS-80-EZ-ER) NL347: nLight® control enabled 347V (nPS-80-EZ-347) SDALI1: Standard DALI Dimming 1% Linear Curve SDALI2: Standard DALI Dimming 1% Logarithmic Curve DALI1: Professional DALI Dimming 0.1% Linear Curve DALI2: Professional DALI Dimming 0.1% Logarithmic Curve DMX/RDM: DMX/RDM Enabled Dimming 1% LT: Lumentalk Enabled Dimming

Performance

Maximum Delivered Output	Up to 1,320 lm (Invisio Wallwash optic, 4000K, CRI 80) Up to 944 lm (Double Asymmetric optic, 4000K, CRI 80)
Color Consistency	2 SDCM
Color Rendering	80: CRI 80+, 90: CRI 90+, 95: CRI 95+
Lumen Maintenance	L95 55,000 hrs (Ta 25 °C) L70 225,000 hrs (Ta 25 °C)

Environmental

Ingress Protection Rating	IP20
Environment	Damp location rating (interior applications only)
Operating Temperature (Ceiling Cavity Ambient Temperature)	-4 °F to 104 °F (DA1, DA2, DA3, PDA1, PDA2, SDALI1, SDALI2, DALI1, DALI2, LT, DMX/RDM, PH and PPH control options), 14 °F to 104 °F (NO, NL, NLER, NL347 control options), 32 °F to 104 °F (NO3, VI, PPH2, ESP and CA control options and EBB and EBI options)

Accessories (Order Separately)

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

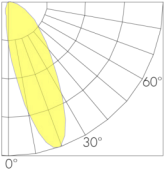
Important

Virtual Patent Marking Notice

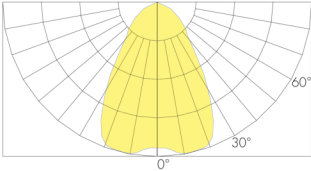
This website (<https://www.lmpg.com/patents-trademarks>) is provided to satisfy the virtual patent marking provisions of applicable jurisdictions. Some products listed may be covered by additional patents not referenced here.

Photometric Information

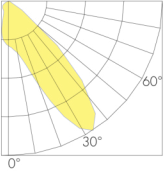
IWW - Invisio Wallwash, 4000K

Nominal output [lm]	Delivered output [lm]*			
	CR80	CR90	CR95	
700	475	499	428	
1000	620	651	558	
1300	845	887	761	
2000	1,320	1,386	1,188	

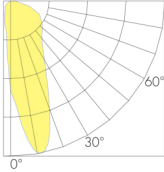
DAS - Double Asymmetric Wallwash, 4000K

Nominal output [lm]	Delivered output [lm]*			
	CR80	CR90	CR95	
700	508	534	457	
1000	726	762	654	
1300	944	991	850	

WW - Accent Wallwash, 4000K

Nominal output [lm]	Delivered output [lm]*			
	CR80	CR90	CR95	
700	400	420	360	
1000	523	549	471	
1300	712	748	641	
2000	1,112	1,168	1,001	

AWW - True Asymmetric Wallwash, 4000K

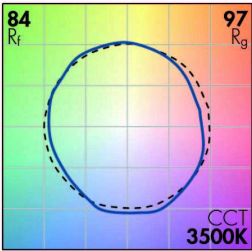
Nominal output [lm]	Delivered output [lm]*			
	CR80	CR90	CR95	
700	446	468	401	
1000	587	616	528	
1300	799	839	719	
2000	1,245	1,317	N/A	

† 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

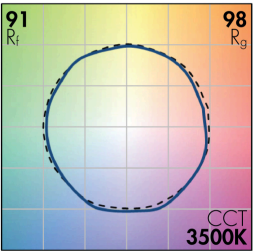
CRI 80+

CRI 80 +				
CCT	CIE		TM-30	
3500K	R _a	84	84	R _f
	R _g	15	97	R _g



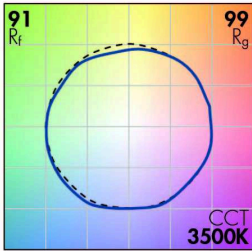
CRI 90+

CRI 90 +				
CCT	CIE		TM-30	
3500K	R _a	94	91	R _f
	R _g	55	98	R _g



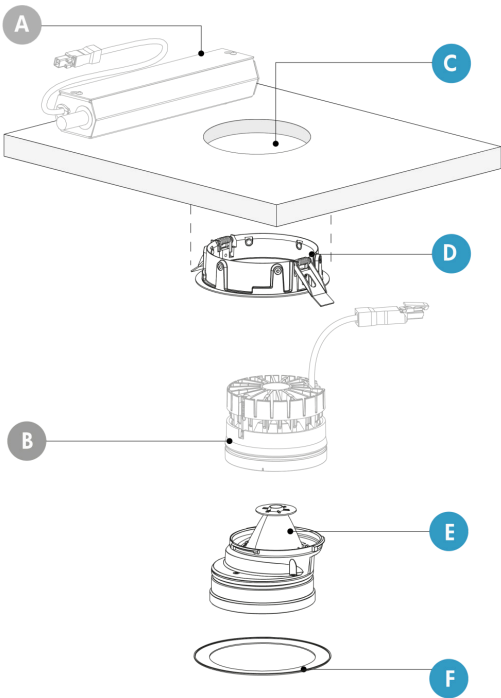
CRI 95+

CRI 95 +				
CCT	CIE		TM-30	
3500K	R _a	97	91	R _f
	R _g	97	99	R _g



Refer to TM-30 Reference Guide for details.

Exploded Overview - Part Selection (IWW Optic)



Standard Parts

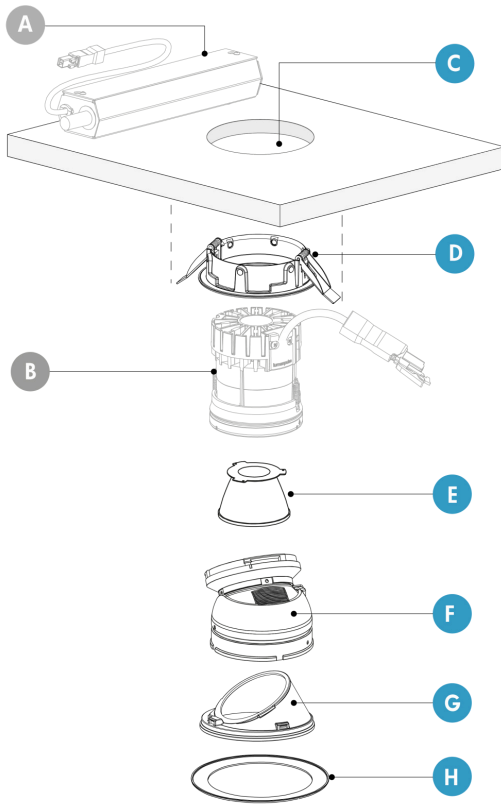
- A - MTG Mounting kit
- B - LUM Core (heatsink, universal fixing ring, LED module)

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

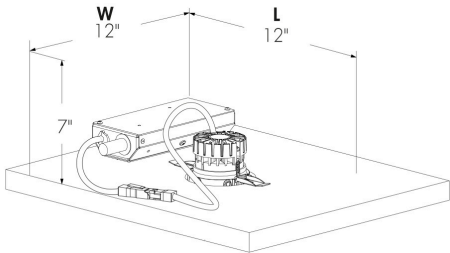
Ceiling Cavity Space Requirements (Length x Width x Height)

Installation type	Output/Color Rendering						
	L07	L10	L13	L20		L30	L40
	CR80/90/95			CR80/CR90	CR95	CR80/90/95	CR80/CR90
RM	11"x 11"x 7"			12"x 12"x 7"		N/A	N/A
NC	14"x 11"x 7"			14"x 11"x 7"		N/A	N/A
PC/IC/ICAT/RMR	14.5"x 10"x 7"		18"x 15"x 9"		N/A		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.

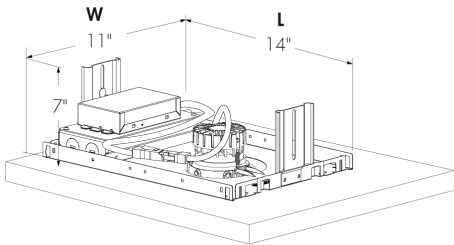
Installation Types

RM : Remodel Non-Insulated Ceiling (Plenum Rated in Accordance to UL 2043 & CAN/ULC-S142) (NO, PH, ES and ESP Controls Only)



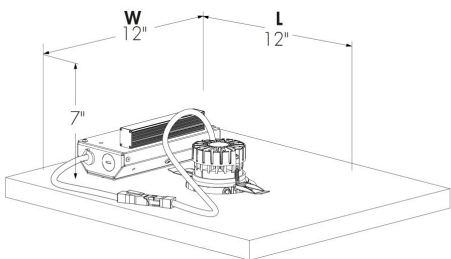
Ceiling cavity space requirements for L20 90/95 shown, trimless version.

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



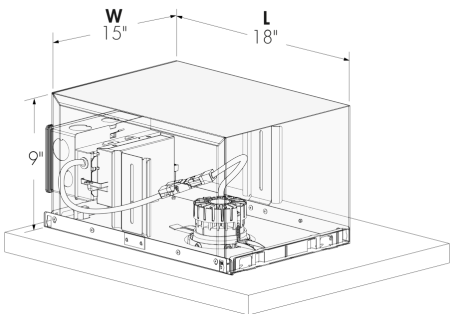
Ceiling cavity space requirements for L20 90/95 shown, trimless version.

RM: Remodel Non-Insulated Ceiling (Plenum Rated in Accordance to UL 2043 & CAN/ULC-S142) (DMX/RDM and LT Control Options Only)



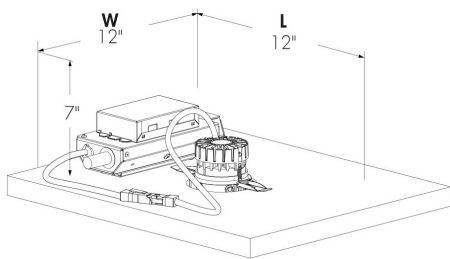
Ceiling cavity space requirements for L20 90/95 shown, trimless version.

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



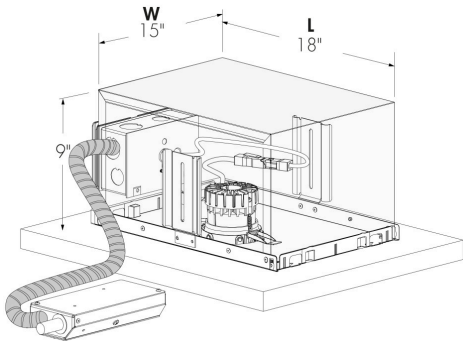
Ceiling cavity space requirements for L13 CR80/90/95 and L20 CR80/90 shown.

RM: Remodel Non-Insulated Ceiling (Plenum Rated in Accordance to UL 2043 & CAN/ULC-S142) (Other Controls)



Ceiling cavity space requirements for L20 90/95 shown, trimless version.

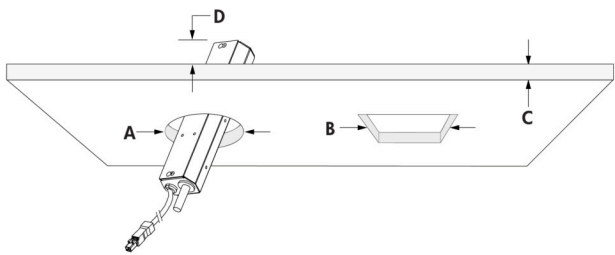
RMR: Remote Recessed Insulated Ceiling/Plenum (Enclosed Box)



Luminaire ceiling cavity space requirements for L13 CR80/90/95 and L20 CR80/90/95 shown. Refer to remote driver box dimensions in installation instructions for space required for driver.

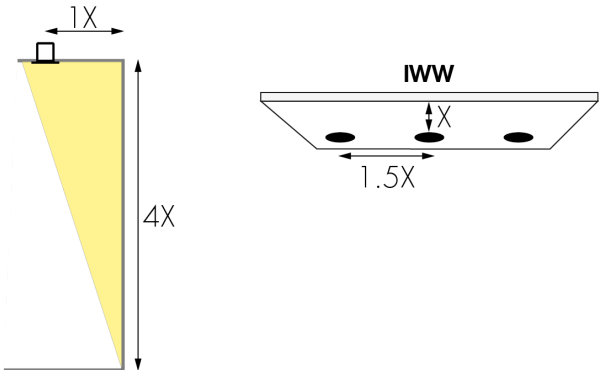
Ceiling Requirements

Ceiling Cutout



- A** - Ceiling cutout: $\varnothing 4.5$ in
- B** - Ceiling cutout: 4.5 in x 4.5 in
- C** - Maximum ceiling thickness: 2 in
- D** - Minimum ceiling height: refer to Ceiling Cavity Space Requirements table

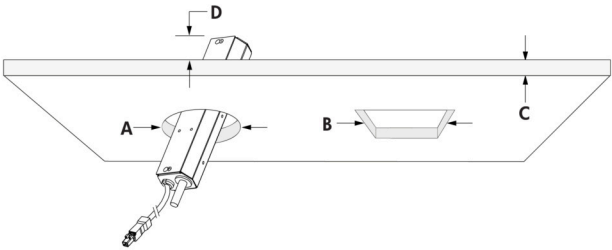
Setback and Spacing Information



Guidelines for Invisio Wallwash Optic (IWW):

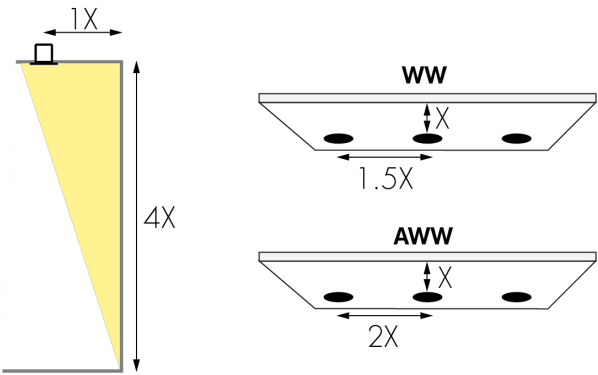
- Setback ratio: 1:4
- Spacing: on center, 1.5x setback
- Example for a 10 ft wall: 3 ft setback, 4.5 ft spacing between fixture

Ceiling Cutout



- A - Ceiling cutout: Ø4.5 in
- B - Ceiling cutout: 4.5 in x 4.5 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):

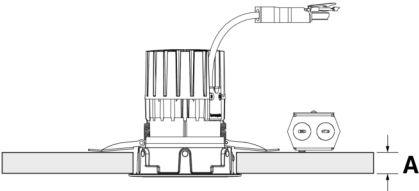
Setback ratio: 1:4
Spacing: on center, 1.5x setback
Example for an 8 ft wall: 2 ft setback, 3 ft spacing between fixtures

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

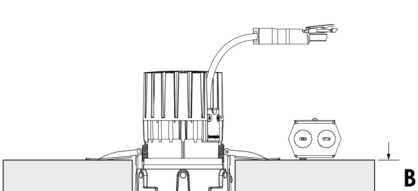
Ceiling Thickness Options

Ceiling Thickness 1



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

Ceiling Thickness 2



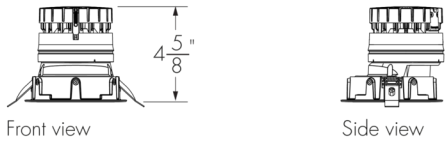
- B - Ceiling thickness range: 1.05 in to 2 in

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

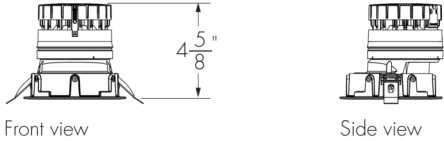
Dimensions

IWW - Invisio Wallwash Optic

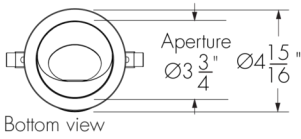
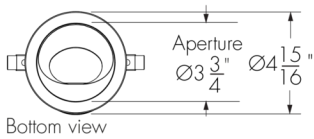
IWW - Invisio Wallwash
IB - Invisio Wallwash Bezel



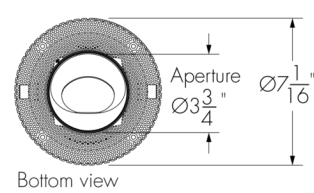
IWW - Invisio Wallwash
IRB - Invisio Rollover Wallwash Bezel



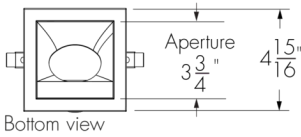
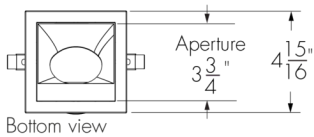
RD - Round Shape, Round Trim



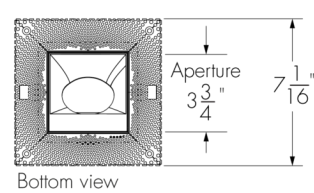
TLR - Trimless Round



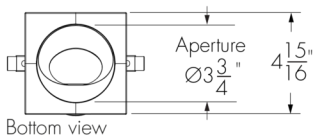
SQ - Square Shape, Square Trim



TLS - Trimless Square



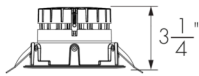
SR - Square Shape, Round Hole



Round ceiling cutout: Ø4.5 in
Square ceiling cutout: 4.5 in x 4.5 in

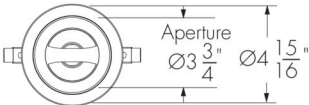
DAS - Double Asymmetric Wallwash Optic

L07, L10, L13



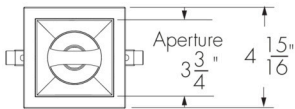
Front view

RD - Round Shape, Round Trim



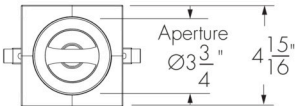
Bottom view

SQ - Square Shape, Square Trim



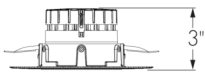
Bottom view

SR - Square Shape, Round Hole

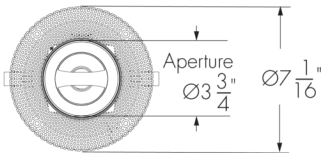


Bottom view

TLR - Trimless Round

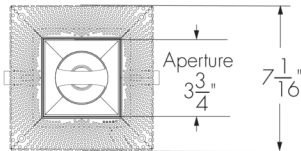


Front View



Bottom View

TLS - Trimless Square

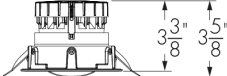


Bottom View

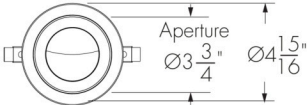
Round ceiling cutout: Ø4.5 in
Square ceiling cutout: 4.5 in x 4.5 in

AWW - Asymmetric Wallwash Optic

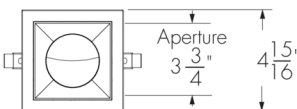
L07, L10, L13, L20



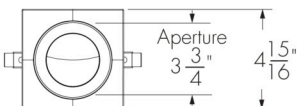
Front view



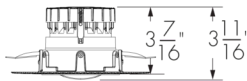
Bottom view



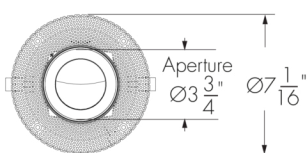
Bottom view



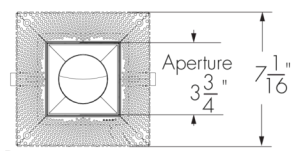
Bottom view



Front view



Bottom view

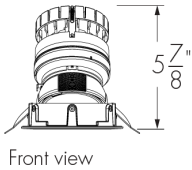


Bottom view

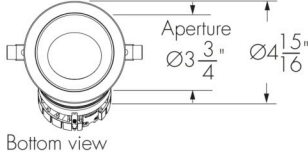
WW - Accent Wallwash Optic

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

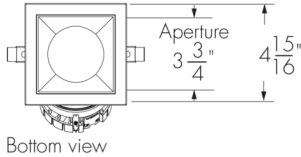
L07, L10, L13, L20



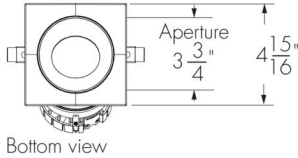
RD - Round Shape, Round Trim



SQ - Square Shape, Square Trim



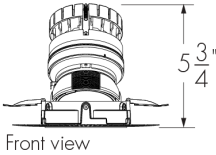
SR - Square Shape, Round Hole



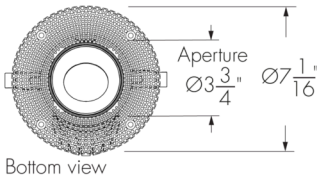
Round ceiling cutout: Ø4.5 in
Square ceiling cutout: 4.5 in x 4.5 in

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

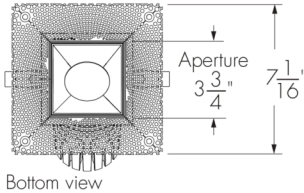
L07, L10, L13, L20



TLR - Trimless Round

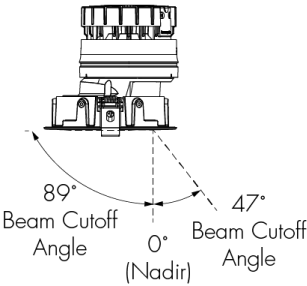


TLS - Trimless Square



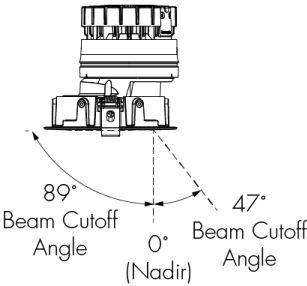
Beam Cutoff Angle

IWW - Invisio Wallwash
IB - Invisio Wallwash Bezel



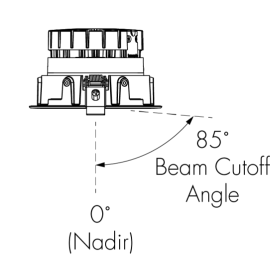
Side view

IWW - Invisio Wallwash
IRB - Invisio Rollover Wallwash Bezel



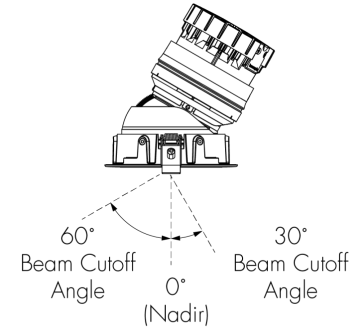
Side view

DAS - Double Asymmetric Wallwash
SB - Standard Bezel



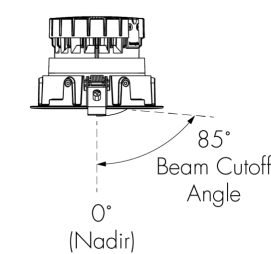
Side view

WW - Accent Wallwash
T - Fixed Tilt Bezel



Side view
(Based on 30° fixed tilt)

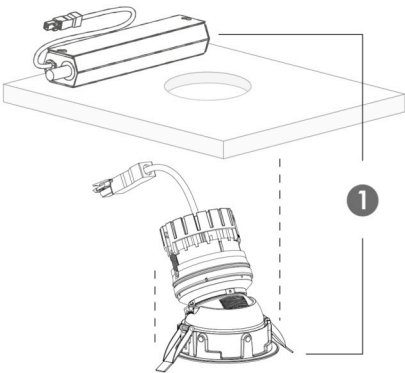
AWW - True Asymmetric Wallwash
SB - Standard Bezel



Side view

Delivery - How it Works

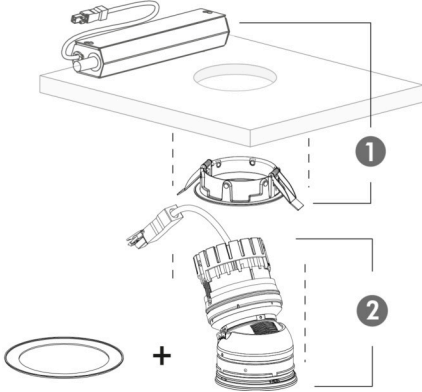
Standard Shipping (1 delivery)



Included

- 1. MTG Mounting kit and complete fixture assembly

Advanced Shipping of Mounting kit (2 Separate Deliveries)



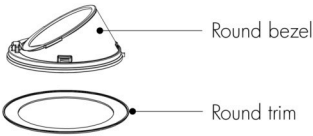
Included

- 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

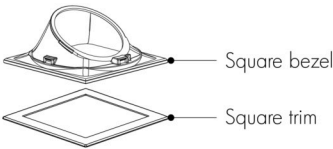
Consult factory for Advanced Shipping details.

Ceiling Cutout Shape Options

RD - Round Ceiling Cutout



SQ - Square Ceiling Cutout



Decorative Bezel Options

SQ - Compatible Square Decorative Bezels



SB - Standard



T - Fixed Tilt



IB - Invisio Wallwash



IRB - Invisio Rollover Wallwash

RD - Compatible Round Decorative Bezels



SB - Standard



T - Fixed Tilt



IB - Invisio Wallwash



IRB - Invisio Rollover Wallwash

Standard Finishes - Decorative Bezels



MWH - Matte white



MBK - Matte black



NKS - Nickel satin



DCH - Dark chrome



BCH - Bright chrome



SWT - Satin wheat



CPG - Champagne Gold



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



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 Invisio Wallwash	WW Accent Wallwash	AWW True Asymmetric Wallwash	DAS Double Asymmetric Wallwash
Interchangeable optics	N/A	N* NR* NFR* M* MFR* W* WFR* VW* VWFR*	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 Small Fixed Tilt specification sheet for details.

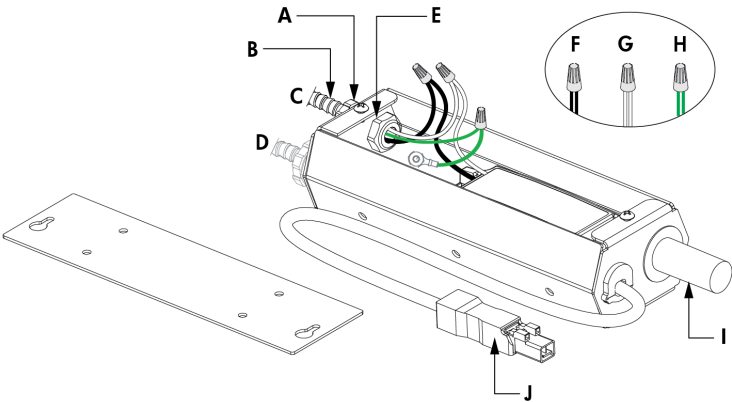
Power Consumption

Power consumption [W]								
Output [lm]	IWW - WW - AWW				DAS			
	120 V		277 V		120 V		277 V	
	CR80/90	CR95	CR80/90	CR95	CR80/90	CR95	CR80/90	CR95
700	9.5	10	10.5	12	8.5	9	9.5	11
1000	13	14.5	14	16	10	13	12	15
1300	15	20	16	21	13	15	15	16
2000	23	30*	24	30*	N/A	N/A	N/A	N/A

- *Not applicable to IWW and AWW optics.
- Power consumption values are for non-insulated ceiling (RM and NC) and remote recessed insulated ceiling/plenum (RMR) installation types. For plenum ceiling (PC), and new construction insulated ceiling (IC and IC/AT) installation types, remove 2 watts per fixture.
 - Add 3 watts per fixture when specifying LT control option.
 - Add 2 watts per fixture when specifying DMX/RDM control option.
 - Add 1.5 watts per fixture when specifying PPH2, CA, NL, NLER or NL347 control option.
 - Add 1 watt per fixture when specifying VI control option.
 - Add 3 watts per fixture when specifying 347V.

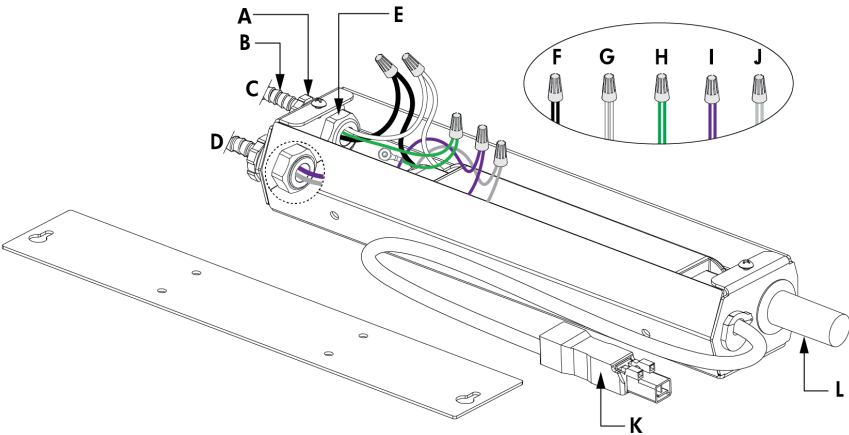
Wiring Details RM: Remodel Non-Insulated Ceiling (Plenum Rated in Accordance to UL 2043 & CAN/ULC-S142)

NO And PH Controls - Wiring Detail



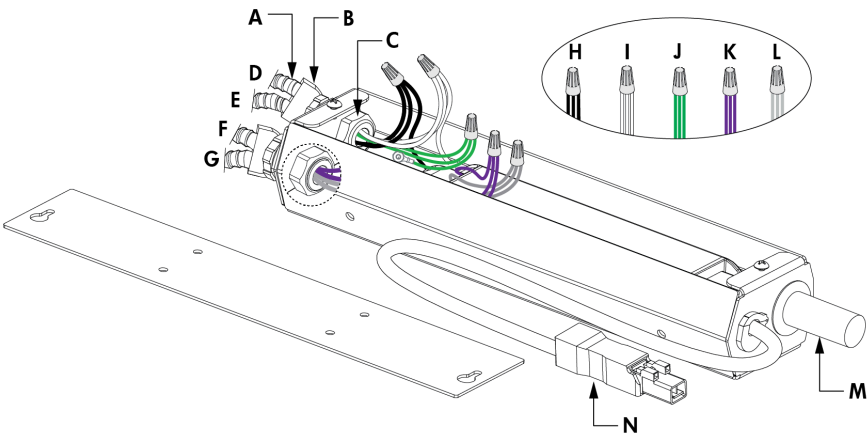
- A - Conduit fitting (by others)
- B - Conduit (by others)
- C - Power Input
- D - Optional Output
- E - Locknut (by others)
- F - Line
- G - Neutral
- H - Ground
- I - Thermal protector
- J - Output to luminaire

Other Controls - 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

Other Controls - Daisy Chain Layout Wiring Detail

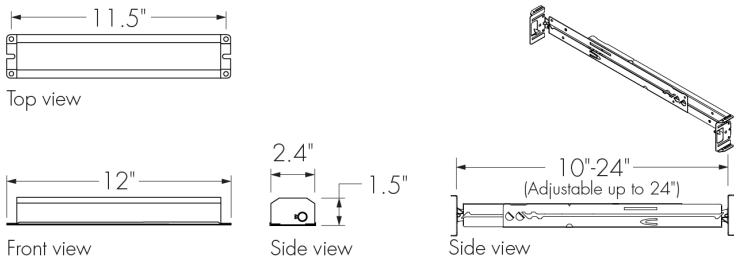


- A - Conduit (by others)
- B - Duplex connector (by others)
- C - Locknut (by others)
- D - Power Output to next luminaire
- E - Power input
- F - Data Output to next luminaire
- G - Data Input from Control System
- H - Line
- I - Neutral
- J - Ground
- K - Data +
- L - Data -
- M - Thermal protector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

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

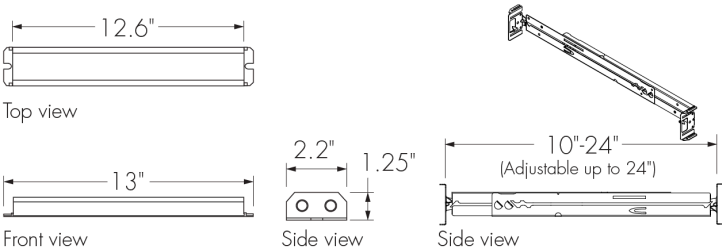
Options

EBB - Emergency Battery Backup With Hanger Bar (Bodine BSL17C-C2)



Hardware to mount the battery backup to the hanger bar is included. A test button is included. The unit comes pre-wired with 2 ft flexible conduit in and out. Refer to installation instructions for details.

EBI - Emergency Battery Backup With Hanger Bar (Iota ILB-CP07-A TBTS)



Hardware to mount the battery backup to the hanger bar is included. A test button is included. The unit comes pre-wired with 2 ft flexible conduit in and out. Refer to installation instructions for details.

Diagnostic And Addressing Tools (Order Separately)

LID - LumenID



The updated LumenID (LID) is now your all-in-one diagnostic and addressing solution for both DMX/RDM and Lumentalk (LT) systems. Engineered for versatility, it streamlines commissioning and troubleshooting across protocols—no need for multiple tools. Consult the LID specification sheet for full details.

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	Color Rendering	Optics (Nominal Distribution)	Control ⁽¹¹⁾
LCRS Lumencore Recessed Small - 4 in	A UL/cUL	WA Wallwash	120 120 Volts 277 277 Volts 347 347 Volts ⁽²⁾ ⁽³⁾	R Round S Square	L07 700 lm L10 1000 lm L13 1300 lm L20 2000 lm ⁽⁴⁾	22K 2200K ⁽⁵⁾ 27K 2700K 30K 3000K 35K 3500K 40K 4000K	80 CRI 80+ 90 CRI 90+ 95 CRI 95+	IWW Invisio Wallwash ⁽⁴⁾ DAS Double Asymmetric Wallwash ⁽⁷⁾ ⁽⁸⁾ WW Accent Wallwash ⁽⁶⁾ AWW True Asymmetric Wallwash ⁽⁹⁾ ⁽¹⁰⁾	NO On/Off Control ⁽¹²⁾ ⁽¹³⁾ NO3 On/Off Control 347V ⁽²⁾ DAMC Standard 0-10V Dimming 1% Linear Curve ⁽¹³⁾ ⁽¹⁴⁾ DA1 Standard 0-10V Dimming 1% Linear Curve ⁽¹³⁾ ⁽¹⁵⁾ DA2 Standard 1-10V Dimming 1% Logarithmic Curve ⁽¹³⁾ ⁽¹⁵⁾ DA3 Standard 0-10V Dimming 1% Linear Curve (347V) ⁽²⁾ PDA1 Professional 0-10V Dimming 0.1% Linear Curve ⁽¹³⁾ ⁽¹⁵⁾ PDA2 Professional 0-10V Dimming 0.1% Logarithmic Curve ⁽¹³⁾ ⁽¹⁵⁾ PH Phase Dimming ⁽¹⁶⁾ ⁽¹⁷⁾ PPH Phase Dimming 1% ⁽¹⁷⁾ ⁽¹⁸⁾ PHB Pro Phase Dimming ERP PHB Series ⁽¹⁹⁾ ⁽²⁰⁾ ⁽²¹⁾ ESP Lutron® Hi-lume Premier 0.1% EcoSystem® PEQ0 Soft-on/Fade-to-Black ⁽¹³⁾ ⁽²²⁾ CA Lutron® Caséta dimming compatible (Lutron Hi-lume 1% 2-wire LTEA) (temporarily unavailable) ⁽¹⁷⁾ ⁽¹⁹⁾ ⁽²³⁾ ⁽²⁴⁾ VI Lutron® Vive control enabled (Lutron VIVE FCJS-010) ⁽¹³⁾ ⁽²⁵⁾ ⁽²⁶⁾ NL nLight® control enabled (nPS-80-EZ) ⁽¹³⁾ ⁽²⁵⁾ ⁽²⁶⁾ NLER nLight® emergency control enabled (nPS-80-EZ-ER) ⁽¹³⁾ ⁽²⁵⁾ ⁽²⁶⁾ NL347 nLight® control enabled 347V (nPS-80-EZ-347) ⁽¹⁹⁾ ⁽²⁵⁾ ⁽²⁶⁾ SDALI1 Standard DALI Dimming 1% Linear Curve ⁽¹³⁾ SDALI2 Standard DALI Dimming 1% Logarithmic Curve ⁽¹³⁾ DALI1 Professional DALI Dimming 0.1% Linear Curve ⁽¹³⁾ DALI2 Professional DALI Dimming 0.1% Logarithmic Curve ⁽¹³⁾ DMX/RDM DMX/RDM Enabled Dimming 1% ⁽¹³⁾ ⁽²⁷⁾ ⁽²⁸⁾ ⁽²⁹⁾ LT Lumentalk Enabled Dimming ⁽¹³⁾ ⁽³⁰⁾

Notes:

1. Refer to website product configurator for all exceptions.
2. Not available for 700 lumens. Not available for 1000 lumens when combined with 80 color rendering option.
3. Not available for CR90.
4. Not available for DAS optic.
5. Available for CRI 80 only.
6. Available up to 2000 lumens when combined with 80, 90 or 95 color rendering options.
7. Available up to 1300 lumens when combined with 80, 90 or 95 color rendering options.
8. The color of the double asymmetric baffle is metallic gray.
9. Available up to 1300 lumens when combined with 80, 90 or 95 color rendering options and 2000 lumens when combined with 80 color rendering option.
10. The color of the asymmetric wallwash baffle matches the color specified for the decorative bezel.
11. Control options vary according to color temperature, color rendering, optics and installation type combination. Refer to website product configurator for details.

12. Manufacturer's choice driver. Order code may change to NO1.
13. Not available with 347V.
14. Manufacturer's choice driver. Order code may change to DAMC1 or DAMC2.
15. Driver cuts off power to the fixture when the control signal drops below 0.5V.
16. Manufacturer's choice driver. Order code may change to PH1 or PH2.
17. Available for 120V voltage option only.
18. Manufacturer's choice driver. Order code is subject to change.
19. Not available for 700 lumens.
20. Not available for DAS optic when combined with 1000 lumens.
21. Not available for DTW, DTWP, DWH, DWW or DWWP color options.
22. One EcoSystem® address per fixture.
23. Requires Caseta Wireless Dimmer PRO Wall Dimmer.
24. Consult factory for CA control option.

- 25.** Available for RM, NC And RMR installation types only.

26. When used with RMR installation type, the installer is responsible for verifying the wireless distance limitations of the main controller to the remote driver installation.

27. Configurable between 8 or 16-bit dimming control via RDM. DMX/RDM requires LumenID, LumenID software and onsite commissioning.
- 28.** A Control Box (CBX-DS or CBX-ST) and LumenID (LID) must be specified.

29. Configurable to 1, 2, or 3 channel control via RDM in the field.

30. A Lumentranslator 2 (LTL2) and LumenID (LID) must be specified for Lumentalk applications. Consult Lumentranslator 2 and Lumentalk pages and specification sheets for details.

How to Order

Decorative Bezel	Decorative Bezel Finish	Trim ⁽³⁷⁾	Trim Finish ⁽³⁷⁾	Installation Type	Ceiling Thickness ⁽⁴¹⁾	Option	Accessories
SB Standard ⁽³¹⁾ IRB Invisio Rollover Wallwash IB Invisio Wallwash T Fixed Tilt (0° rotation, factory set 30° tilt) ⁽³²⁾	MWH Matte White MBK Matte Black NKS Nickel Satin DCH Dark Chrome BCH Bright Chrome SWT Satin Wheat CPG Champagne Gold ⁽³³⁾ ⁽³⁴⁾ CC Custom Color Trim ⁽³⁵⁾ SP Special Point Source Color ⁽³⁶⁾	RD Round ⁽³⁸⁾ TLR Trimless Round ⁽³⁸⁾ SQ Square ⁽³⁹⁾ SR Square Trim with Round Hole ⁽³⁸⁾ TLS Trimless Square ⁽³⁹⁾	MWH Matte White MBK Matte Black NKS Nickel Satin CC Custom Color Trim ⁽³⁵⁾ SP Special Point Source Color ⁽³⁶⁾	RM Remodel Non-Insulated Ceiling (Plenum Rated in Accordance to UL 2043 & CAN/ULC-S142) NC New Construction Non-Insulated Ceiling (Plenum Rated in Accordance to UL 2043 & CAN/ULC-S142) 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) RMR Remote Recessed Insulated Ceiling/Plenum (enclosed box) ⁽⁴⁰⁾	1 0.04 in to 1 in Ceiling Thickness 2 1.05 in to 2 in Ceiling Thickness	EBB Emergency Battery Backup with Hanger Bar (Bodine BSL17C-C2) ⁽¹³⁾ ⁽⁴²⁾ ⁽⁴³⁾ ⁽⁴⁴⁾ ⁽⁴⁵⁾ EBI Emergency Battery Backup with Hanger Bar (Iota ILB-CP07-A TBTS) ⁽¹³⁾ ⁽⁴²⁾ ⁽⁴³⁾ ⁽⁴⁴⁾ ⁽⁴⁵⁾	NA No Accessory

Notes:

13. Not available with 347V.

31. Available for AWW and DAS optics only.

32. Available for WW optic only.

33. Coming soon, consult factory for details.

34. Not available for SB bezel.

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

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

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

38. Cannot be combined with square ceiling cutout.

39. Cannot be combined with round ceiling cutout.
40. Remote distance is a maximum of 75 ft. For longer remote distances, please contact Lumenpulse Application Engineering Team for application validation.

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

42. Available for RM and NC installation types only.

43. Emergency battery backup options require ceiling access for test button use. The battery will operate for 90 minutes minimum and maintain a minimum of 1 fc from a 7 ft 2 in height as per UL 924. For indoor use only in dry or damp locations.

44. Emergency battery backup options are field installed and not presided by Lumenpulse. Refer to related installation instructions for details.

45. Not available with LT control option.