**Project Name** _____    **Qty** _____

**Type** _____    **Catalog / Part Number** _____
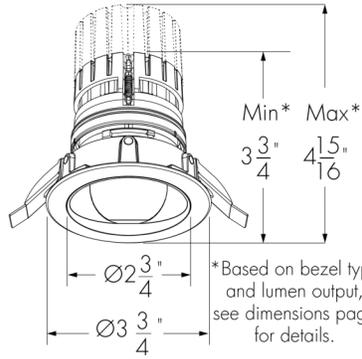


IWW Optic Shown



**Round Trim, Invisio Wallwash Bezel**
**Invisio Wallwash Optic**
(Shown with 1 in ceiling springs)
Round trim ceiling cutout: Ø3.25 in
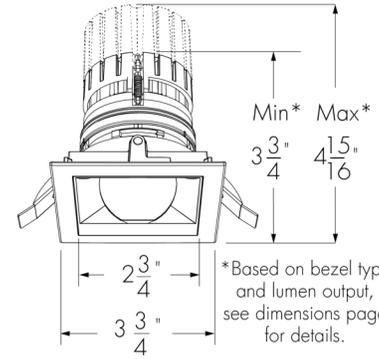


**Square Trim, Invisio Wallwash Bezel**
**Invisio Wallwash Optic**
(Shown with 1 in ceiling springs)
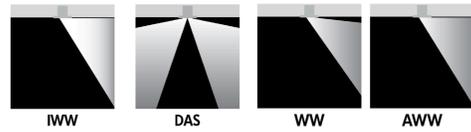Square trim ceiling cutout: 3.25 in x 3.25 in

## Photometric Summary

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

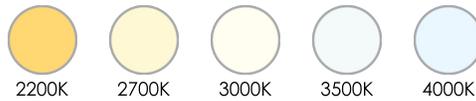| Nominal output [lm] | Delivered output [lm][1] | Insulated ceiling | | Non-insulated ceiling | |
|---|---|---|---|---|---|
| | | Power (120V) [W] | Efficacy [lm/W] | Power (120V) [W] | Efficacy [lm/W] |
| 700 | 416 | 7.5 | 55 | 9.5 | 44 |
| 1000 | 546 | 11 | 50 | 13 | 42 |
| 1300 | 742 | 13 | 57 | 15 | 49 |

1. Consult website for latest IES files.

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

## Optics



IWW    DAS    WW    AWW

## Color and Color Temperature



2200K    2700K    3000K    3500K    4000K

## Controls

ON/OFF    0-10V    PRO 0-10V    PH

PPH    PHB    ⚡LUTRON    DALI    PRO DALI

✦DMXrdm    lumentalk

## Color Rendering

CRI 80+    CRI 90+    CRI 95+

## Description

The Lumencore Recessed Nano 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 Nano Wallwash possesses a previously unseen lifespan, is quick to install, and can be used with a number of different control options.
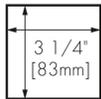
## Physical

| | |
|---|---|
| **Cutout** | **R:** Round, **S:** Square |
| **Decorative Bezel** | **IB:** Invisio Wallwash<br>**IRB:** Invisio Rollover Wallwash<br>**SB:** Standard<br>**T:** Tilt (0° rotation, factory set 30° tilt) |
| **Trim** | **RD:** Round<br>**SR:** Square Trim with Round Hole<br>**TLR:** Trimless Round<br>**SQ:** Square<br>**TLS:** Trimless Square |
| **Ceiling Thickness** | **1:** 0.04 in to 1 in Ceiling Thickness<br>**2:** 1.05 in to 2 in Ceiling Thickness |
| **Housing Material** | Aluminum |
| **Weight** | 3 lbs with RM installation type,<br>4.2 lbs with NC installation type, 7.2 lbs with PC, IC, IC/AT and RMR installation types<br>(Weights are approximate based on the heaviest fixture configuration)<br><br>Please consult factory if exact fixture weight is needed |

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## Ceiling Cutout Shapes



Ø3 1/4" [83mm]
**R** - Round

3 1/4" [83mm]
**S** - Square

## Decorative Bezels (Square Trim)



**SB -** Standard   **T -** Fixed Tilt   **IB -** Invisio Wallwash   **IRB** - Invisio Rollover Wallwash

## Decorative Bezels (Round Trim)



**SB -** Standard   **T -** Fixed 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

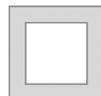**SWT -** Satin wheat   **CC -** Custom color and finish (specify 4-digit RAL K7 color)   **SP -** Special color (choose from color palette in complete specification sheet)
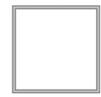
## Trim Shapes



**RD -** Round   **SQ -** Square   **SR -** Square round hole

**TLR -** Trimless round   **TLS -** Trimless square

**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/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

**Color and Color Temperature** — **22K:** 2200K, **27K:** 2700K, **30K:** 3000K, **35K:** 3500K, **40K:** 4000K

**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 (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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## Standard Finishes for Trim

**MWH -** Matte white  **MBK -** Matte black  **MSI -** Matte Silver

**NKS -** Nickel satin  **CC -** Custom color and finish (specify 4-digit RAL K7 color)  **SP -** Special color (choose from standard Point Source color palette)

## Adjustability

**30° fixed tilt**

**T -** Fixed tilt decorative bezel

## Options

Emergency battery backup

## Rating

IP20

## Certifications

c(UL)us  RoHS  5 YEARS lumenpulse

| | |
|---|---|
| **Wattage Range** | 8.5W to 21W (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<br>**NO3:** On/Off Control 347V<br>**DAMC:** Standard 0-10V Dimming 1% Linear Curve<br>**DA1:** Standard 0-10V Dimming 1% Linear Curve<br>**DA2:** Standard 1-10V Dimming 1% Logarithmic Curve<br>**DA3:** Standard 0-10V Dimming 1% Linear Curve (347V)<br>**PDA1:** Professional 0-10V Dimming 0.1% Linear Curve<br>**PDA2:** Professional 0-10V Dimming 0.1% Logarithmic Curve<br>**PH:** Phase Dimming<br>**PPH:** Phase Dimming 1%<br>**PHB:** Pro Phase Dimming ERP PHB Series<br>**ESP:** Lutron® Hi-lume Premier 0.1% EcoSystem® PEQ0 Soft-on/Fade-to-Black<br>**SDALI1:** Standard DALI Dimming 1% Linear Curve<br>**SDALI2:** Standard DALI Dimming 1% Logarithmic Curve<br>**DALI1:** Professional DALI Dimming 0.1% Linear Curve<br>**DALI2:** Professional DALI Dimming 0.1% Logarithmic Curve<br>**DMX/RDM:** DMX/RDM Enabled Dimming 1%<br>**LT:** Lumentalk Enabled Dimming |

## Performance

| | |
|---|---|
| **Maximum Delivered Output** | Up to 742 lm<br>(Invisio Wallwash optic, 4000K, CRI 80)<br>Up to 870 lm<br>(Double Asymmetric Wallwash 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)<br>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 control option), 32 °F to 104 °F (NO3, ESP control options and EBB and EBI options) |

## 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.

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## Photometric Information

### IWW - Invisio Wallwash, 4000K

| Nominal output [lm] | Delivered output [lm]† | | |
|---|---|---|---|
| | CR80 | CR90 | CR95 |
| 700 | 416 | 437 | 374 |
| 1000 | 542 | 569 | 488 |
| 1300 | 742 | 779 | 668 |
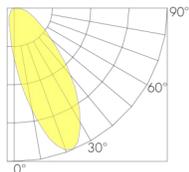
### DAS - Double Asymmetric Wallwash, 4000K

| Nominal output [lm] | Delivered output [lm]† | | |
|---|---|---|---|
| | CR80 | CR90 | CR95 |
| 700 | 487 | 512 | 438 |
| 1000 | 635 | 667 | 572 |
| 1300 | 870 | 914 | 783 |
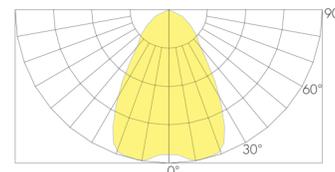
### WW - Accent Wallwash, 4000K

| Nominal output [lm] | Delivered output [lm]† | | |
|---|---|---|---|
| | CR80 | CR90 | CR95 |
| 700 | 415 | 435 | 373 |
| 1000 | 546 | 573 | 491 |
| 1300 | 743 | 780 | 669 |
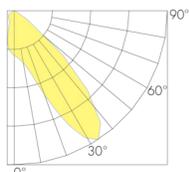
### AWW - True Asymmetric Wallwash, 4000K

| Nominal output [lm] | Delivered output [lm]† | | |
|---|---|---|---|
| | CR80 | CR90 | CR95 |
| 700 | 418 | 439 | 376 |
| 1000 | 550 | 577 | 495 |
| 1300 | 749 | 786 | 674 |
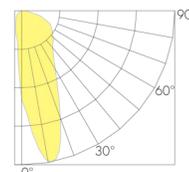
† Consult website for IES files. Delivered output: +/- 10% tolerance.
Consult Power consumption section for more wattage information.

Refer to application section of brochure for details.

## TM-30

### CRI 80+

| CRI 80 + | | | |
|---|---|---|---|
| CCT | CIE | | TM-30 |
| 3500K | $R_a$ | 84 | 84 | $R_f$ |
| | $R_9$ | 15 | 97 | $R_g$ |
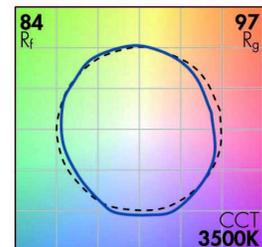
### CRI 90+

| CRI 90 + | | | |
|---|---|---|---|
| CCT | CIE | | TM-30 |
| 3500K | $R_a$ | 94 | 91 | $R_f$ |
| | $R_9$ | 55 | 98 | $R_g$ |
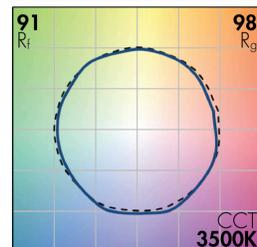
### CRI 95+

| CRI 95 + | | | |
|---|---|---|---|
| CCT | CIE | | TM-30 |
| 3500K | $R_a$ | 97 | 91 | $R_f$ |
| | $R_9$ | 97 | 99 | $R_g$ |
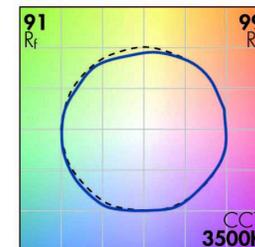
Refer to TM-30 Reference Guide for details.

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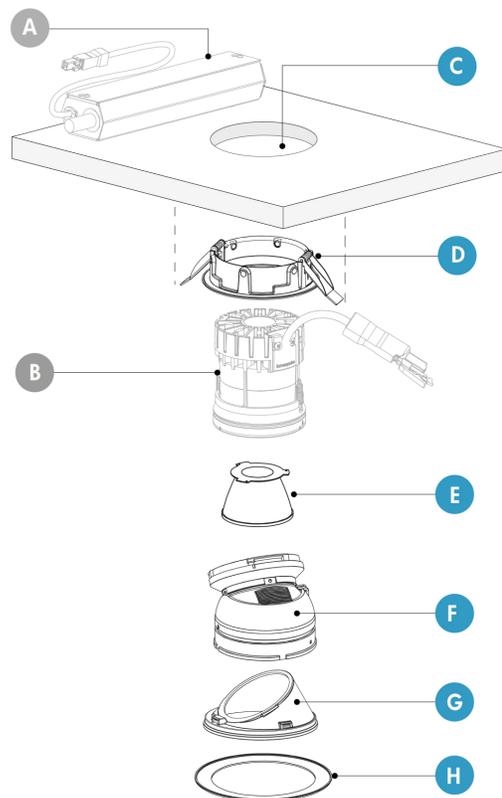## Exploded Overview - Part Selection (IWW Optic)
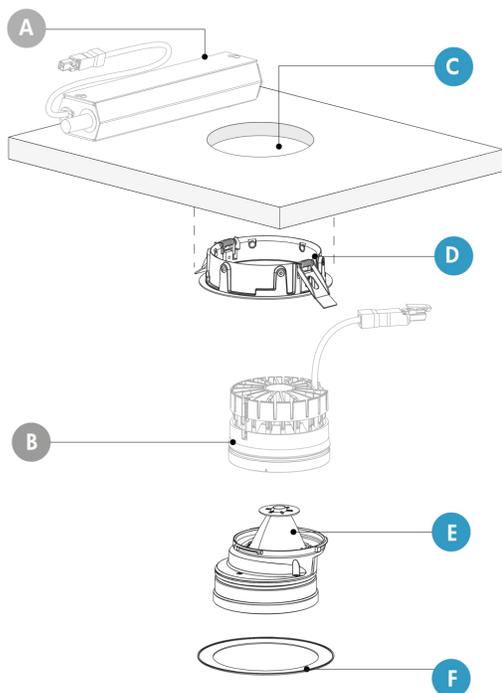
**Standard Parts**

**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 | Control | Output/Color Rendering | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | L07 | L10 | L13 | L20 | | L30 | | L40 |
| | | CR80/90/95 | | | CR80/CR90 | CR95 | CR80/CR90 | CR95 | CR80/CR90 |
| RM | NO/PH/ESP | 12"x 8"x 6" (with trim) 12"x 8"x 8" (trimless) | | | N/A | | | | |
| | DA/PDA/SDALI/DALI/LT/DMX-RDM | 15"x 8"x 8" (with trim) 15"x 8"x 12" (trimless) | | | N/A | | | | |
| NC | NO/PH/ESP | 15"x 10"x 6" (with trim) 15"x 10"x 8" (trimless) | | | N/A | | | | |
| | DA/PDA/SDALI/DALI/LT/DMX-RDM | 15"x 10"x 8" (with trim) 15"x 9"x 12" (trimless) | | | N/A | | | | |
| PC/IC/ICAT/RMR | ALL | 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.

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## Installation Types

### RM : Remodel Non-Insulated Ceiling (Plenum Rated in Accordance to UL 2043 & CAN/ULC-S142) (NO, PH, ES and ESP Controls Only)
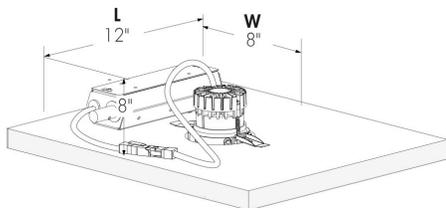
Ceiling cavity space requirements up to L13
CR80/90/95 shown, trimless version.

### RM: Remodel Non-Insulated Ceiling (Plenum Rated in Accordance to UL 2043 & CAN/ULC-S142) (Other Controls)
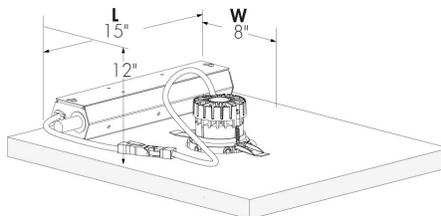
Ceiling cavity space requirements up to L13
CR80/90/95 shown, trimless version.

### NC: New Construction Non-Insulated Ceiling (Plenum Rated in accordance to UL 2043 & CAN/ULC-S142) (NO, PH, ES and ESP Control Options only)
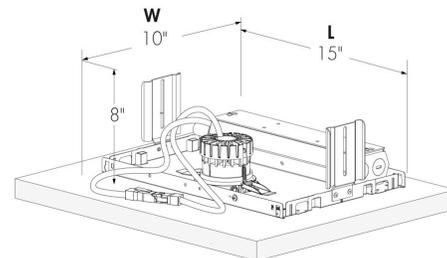
Ceiling cavity space requirements up to L13
CR80/90/95 shown, trimless version.

### NC: New Construction Non-Insulated Ceiling (Plenum Rated In Accordance To UL 2043 & CAN/ULC-S142) (Other Controls)
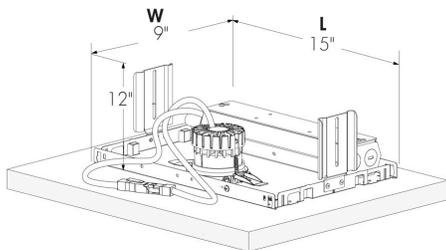
Ceiling cavity space requirements up to L13
CR80/90/95 shown, trimless version.

### IC, PC, IC/AT: New Construction Insulated and Non-Insulated Ceiling (Enclosed Box)
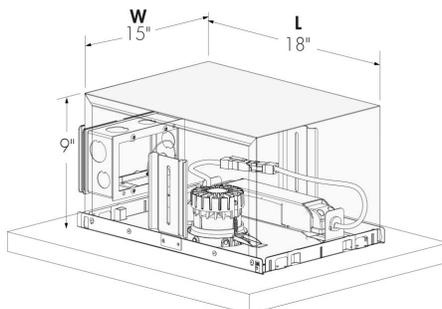
**IC -** New construction insulated ceiling (enclosed box)
**PC -** Plenum non-insulated ceiling (enclosed box)
**IC/AT** - New construction insulated ceiling (Chicago Plenum/airtight, enclosed box)*

*Consult factory for remote driver. Ceiling cavity space requirements for L13 CR80/90/95 shown.

### RMR: Remote Recessed Insulated Ceiling/Plenum (Enclosed Box)
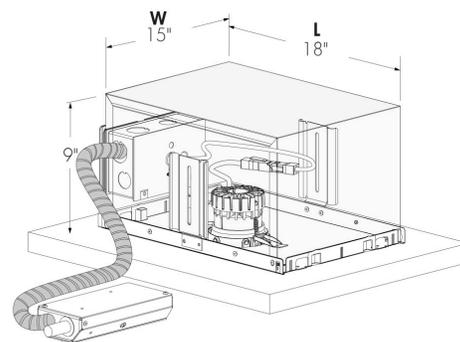
Luminaire ceiling cavity space requirements for L13
CR80/90/95 shown.

Refer to remote driver box dimensions in installation instructions for space required for driver.

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

## Ceiling Requirements

### Ceiling Cutout
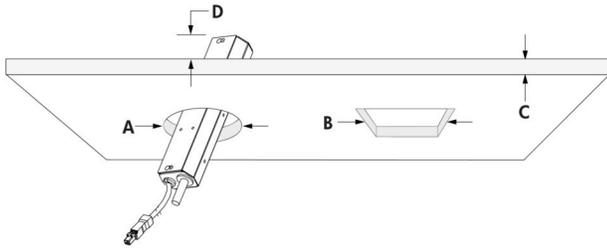


**A -** Ceiling cutout: Ø3.25 in

**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
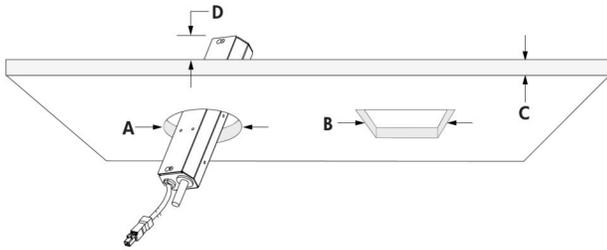
### Setback and Spacing Information
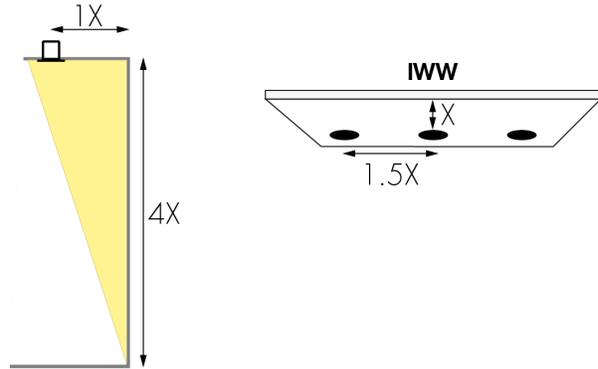


**Guidelines for Invisio Wallwash Optic (IWW):**

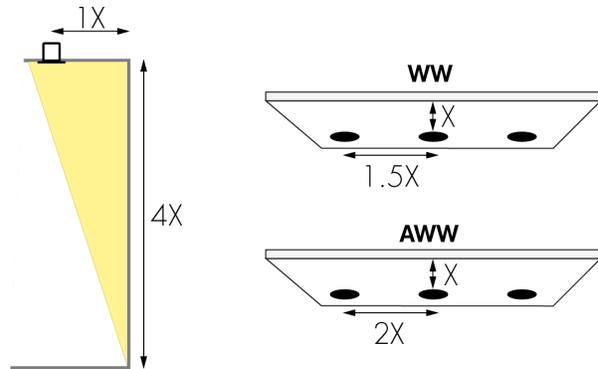Setback ratio: 1:4

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: 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

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**Ceiling Thickness Options**

**Ceiling Thickness 1**

**Ceiling Thickness 2**
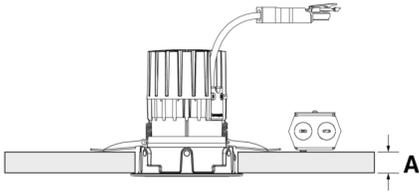
**A -** Ceiling thickness range: 0.04 in to 1 in
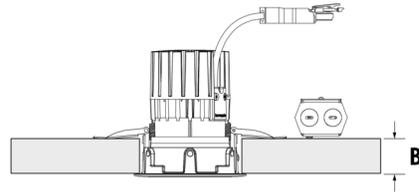
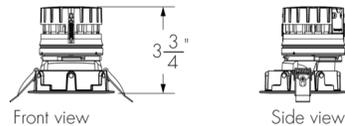**B -** Ceiling thickness range: 1.05 in to 2 in

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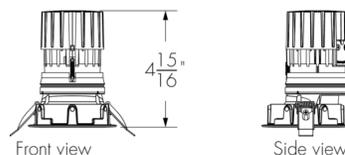
## Dimensions

**IWW - Invisio Wallwash Optic**
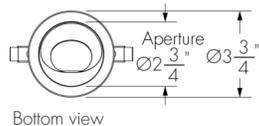
**IWW - Invisio Wallwash**
**IB - Invisio Wallwash Bezel**

**IWW - Invisio Wallwash**
**IRB - Invisio Rollover Wallwash Bezel**

**L07 and L10 (CR80/90/95), L13 (CR80)**

$3\frac{3}{4}$"

Front view     Side view

**L07 and L10 (CR80/90/95), L13 (CR80)**

$3\frac{3}{4}$"

Front view     Side view

**L13 (CR90/95)**

$4\frac{15}{16}$"

Front view     Side view

**L13 (CR90/95)**

$4\frac{15}{16}$"

Front view     Side view

**RD - Round Shape, Round Trim**

Aperture $\varnothing 2\frac{3}{4}$"   $\varnothing 3\frac{3}{4}$"

Bottom view

Aperture $\varnothing 2\frac{3}{4}$"   $\varnothing 3\frac{3}{4}$"

Bottom view

**TLR - Trimless Round**

Aperture $\varnothing 2\frac{3}{4}$"   $\varnothing 5\frac{7}{8}$"

Bottom view

**SQ - Square Shape, Square Trim**

Aperture $2\frac{3}{4}$"   $3\frac{3}{4}$"

Bottom view

Aperture $2\frac{3}{4}$"   $3\frac{3}{4}$"

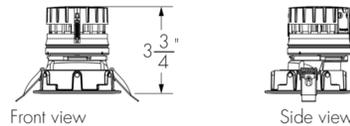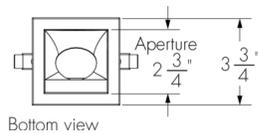Bottom view

**TLS - Trimless Square**
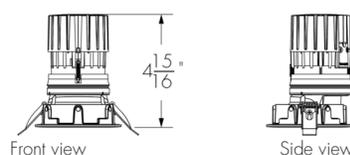
Aperture $2\frac{3}{4}$"   $5\frac{7}{8}$"

Bottom view

**SR - Square Shape, Round Hole**

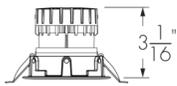Aperture $\varnothing 2\frac{3}{4}$"   $\varnothing 3\frac{3}{4}$"

Bottom view

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

**DAS - Double Asymmetric Wallwash Optic**

**L07, L10, L13**



Front view
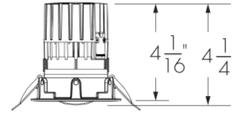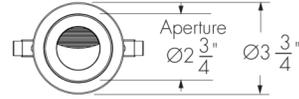
**RD - Round Shape, Round Trim**



Bottom view
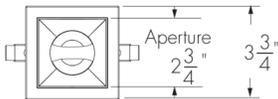
**SQ - Square Shape, Square Trim**



Bottom view
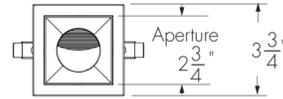
**SR - Square Shape, Round Hole**
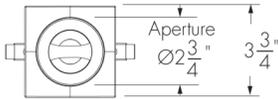


Bottom view
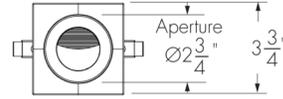
**TLR - Trimless Round**
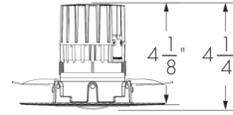


Front View



Bottom View

**TLS - Trimless Square**



Bottom View

**AWW - Asymmetric Wallwash Optic**

**L07 and L10 (CR80/90/95), L13 (CR80)**



Front view



Bottom view



Bottom view



Front view



Bottom view



Bottom view

**L13 (CR90/95)**



Front view



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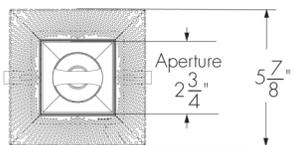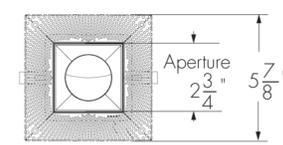
Round ceiling cutout: Ø3.25 in
Square ceiling cutout: 3.25 in x 3.25 in

## WW - Accent Wallwash Optic

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

**L07 and L10 (CR80/90/95), L13 (CR80)**



$4\frac{3}{4}$"

Front view

**L13 (CR90/95)**



$5\frac{3}{4}$"

Front view
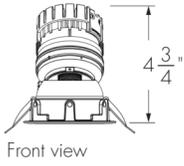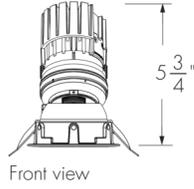
### T - Tilt (0° Rotation, Factory Set 30° Tilt, Trimless Version)

**L07 and L10 (CR80/90/95), L13 (CR80)**
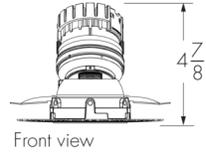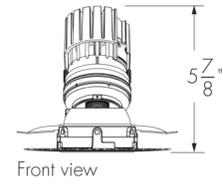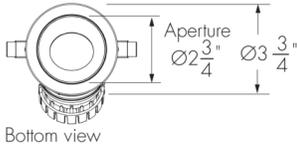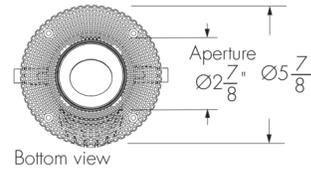


$4\frac{7}{8}$"

Front view

**L13 (CR90/95)**



$5\frac{7}{8}$"

Front view

### RD - Round Shape, Round Trim



Aperture
$\varnothing 2\frac{3}{4}$" $\varnothing 3\frac{3}{4}$"

Bottom view

### SQ - Square Shape, Square Trim



Aperture
$2\frac{3}{4}$" $3\frac{3}{4}$"

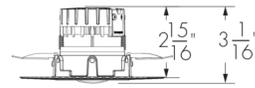Bottom view

### SR - Square Shape, Round Hole



Aperture
$\varnothing 2\frac{3}{4}$" $3\frac{3}{4}$"

Bottom view

### TLR - Trimless Round



Aperture
$\varnothing 2\frac{7}{8}$" $\varnothing 5\frac{7}{8}$"

Bottom view

### TLS - Trimless Square



Aperture
$2\frac{7}{8}$" $5\frac{7}{8}$"

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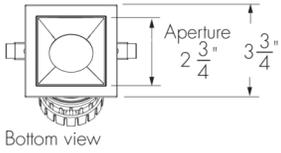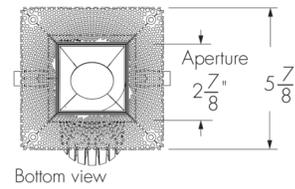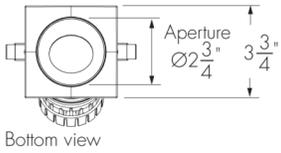
Round ceiling cutout: Ø3.25 in
Square ceiling cutout: 3.25 in x 3.25 in

## Beam Cutoff Angle

**IWW - Invisio Wallwash**
**IB - Invisio Wallwash Bezel**



89°
Beam Cutoff
Angle
0°
(Nadir)
48°
Beam Cutoff
Angle
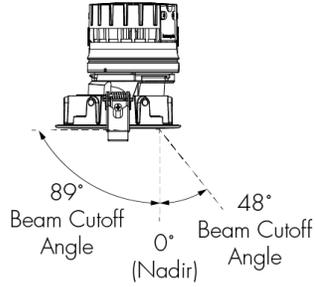
Side view

**IWW - Invisio Wallwash**
**IRB - Invisio Rollover Wallwash Bezel**



89°
Beam Cutoff
Angle
0°
(Nadir)
48°
Beam Cutoff
Angle
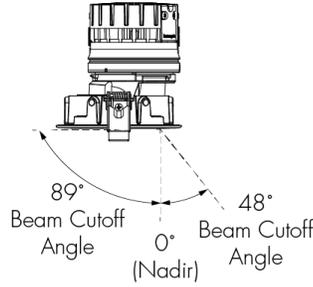
Side view

**DAS - Double Asymmetric Wallwash**
**SB - Standard Bezel**



85°
Beam Cutoff
Angle
0°
(Nadir)
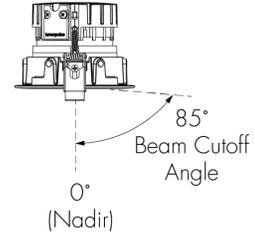
Side view

**WW - Accent Wallwash**
**T - Fixed Tilt Bezel**



60°
Beam Cutoff
Angle
0°
(Nadir)
30°
Beam Cutoff
Angle
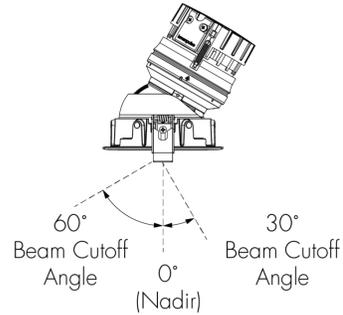
Side view
(Based on 30° fixed tilt)

**AWW - True Asymmetric Wallwash**
**SB - Standard Bezel**



85°
Beam Cutoff
Angle
0°
(Nadir)
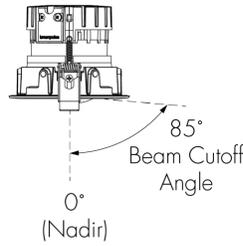
Side view

## Delivery - How it Works

**Standard Shipping (1 delivery)**
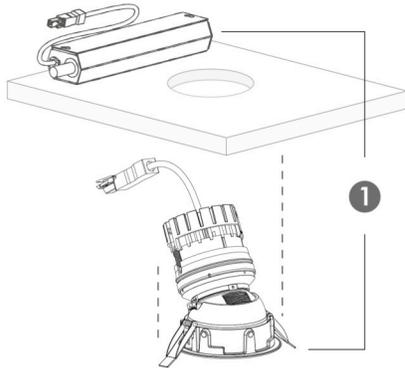


**Included**

**1.** MTG Mounting kit and complete fixture assembly

**Advanced Shipping of Mounting kit (2 Separate Deliveries)**
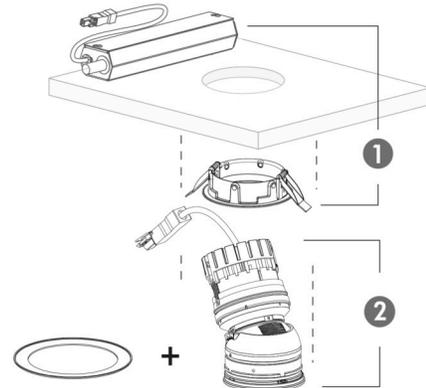


**Included**

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**

Round bezel

Round trim

**SQ - Square Ceiling Cutout**

Square bezel

Square trim
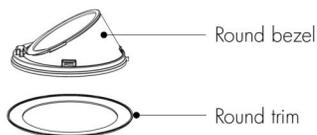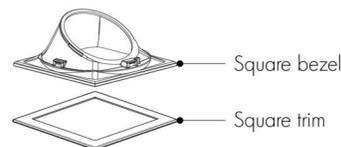
## Decorative Bezel Options

**RD - Compatible Round Decorative Bezels**

**SB** - Standard

**T** - Fixed Tilt

**IB -** Invisio Wallwash

**IRB** - Invisio Rollover Wallwash

**SQ - Compatible Square Decorative Bezels**

**SB** - Standard

**T** - Fixed Tilt

**IB -** Invisio Wallwash

**IRB** - Invisio Rolllover 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.

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## 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**<br>Invisio Wallwash | **WW**<br>Accent Wallwash | **AWW**<br>True Asymmetric Wallwash | **DAS**<br>Double Asymmetric Wallwash |
| **Interchangeable optics** | N/A | NS*<br>N*<br>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.

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## Power Consumption

| | Power consumption [W] | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | IWW - WW - AWW | | | | DAS | | | |
| | 120 V | | 277 V | | 120 V | | 277 V | |
| Output [lm] | 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 |

- Power consumption values are for non-insulated ceiling (RM and NC) and remote recessed insulated ceiling/plenum (RMR) installation types. For plenum ceiling (PC), 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 4 watts per fixture when specifying 347V.

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

### NO And PH Controls - Wiring Detail
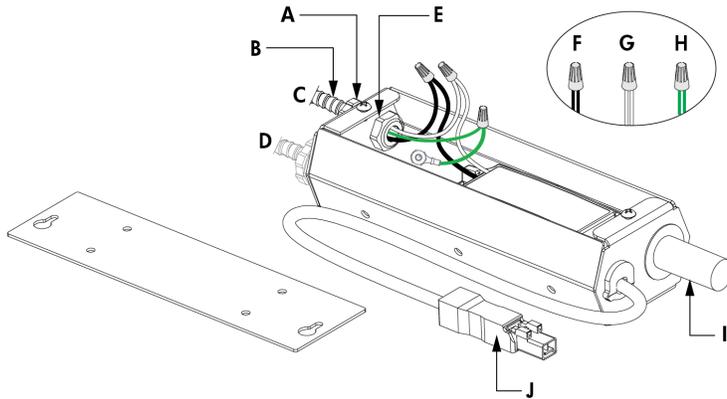
**A -** Conduit fitting (by others)
**B -** Conduit (by others)
**C -** Power Input
**D -** Optional Output
**E -** Locknut (by others)
**F -** Line
**G -** Neutral
**H -** Ground
**I -** Thermal protector
**J -** Output to luminaire

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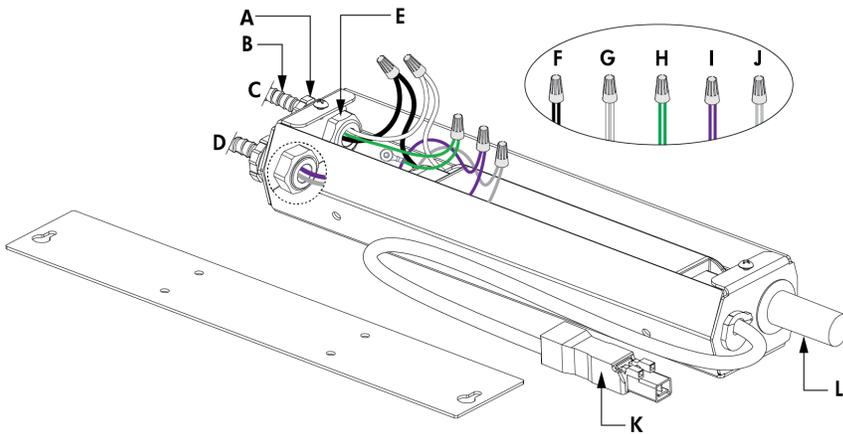
**A -** Conduit fitting (by others)
**B -** Conduit (by others)
**C -** Power Input
**D -** Data Input from Control System
**E -** Locknut (by others)
**F -** Line
**G -** Neutral
**H -** Ground
**I -** Data +
**J -** Data -
**K -** Output to luminaire
**L -** Thermal protector

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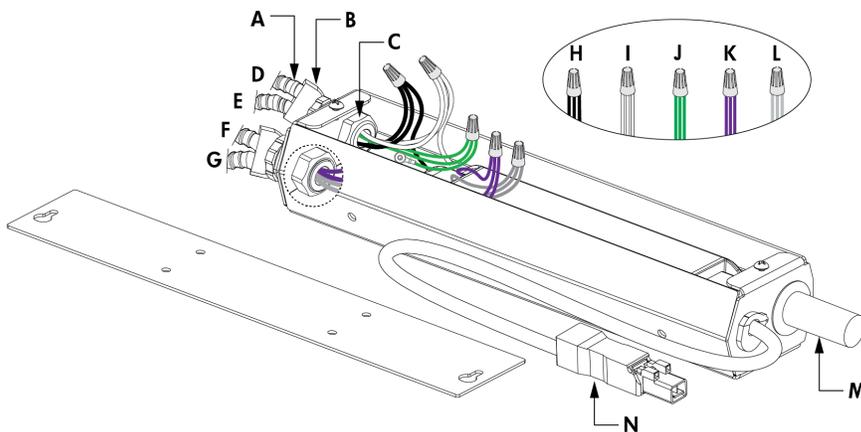
**A -** Conduit (by others)
**B -** Duplex connector (by others)
**C -** Locknut (by others)
**D -** Power Output to next luminaire
**E -** Power input
**F -** Data Output to next luminaire
**G -** Data Input from Control System
**H -** Line
**I -** Neutral
**J -** Ground
**K -** Data +
**L -** Data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

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

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## Options

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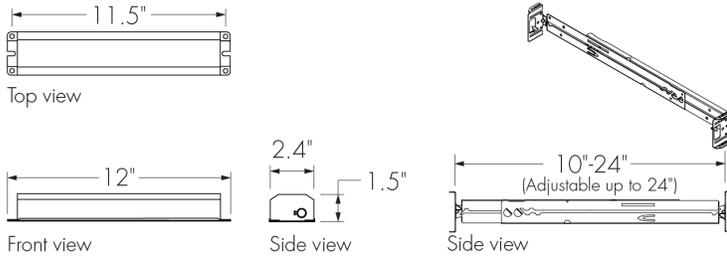


11.5"

Top view

12"

2.4"

1.5"

Front view    Side view

10"-24"
(Adjustable up to 24")

Side view

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)
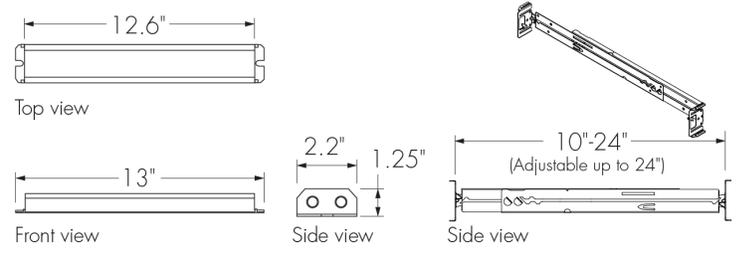


12.6"

Top view

13"

2.2"   1.25"

Front view    Side view

10"-24"
(Adjustable up to 24")

Side view

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 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 Contol 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 [7] |
|---|---|---|---|---|---|---|---|---|---|
| **LCRN** Lumencore Recessed Nano - 2.75 in | **A** UL/cUL | **WA** Wallwash | **120** 120 Volts<br><br>**277** 277 Volts<br><br>**347** 347 Volts [2] [3] | **R** Round<br><br>**S** Square | **L07** 700 lm<br><br>**L10** 1000 lm<br><br>**L13** 1300 lm | **22K** 2200K [4]<br><br>**27K** 2700K<br><br>**30K** 3000K<br><br>**35K** 3500K<br><br>**40K** 4000K | **80** CRI 80+<br><br>**90** CRI 90+<br><br>**95** CRI 95+ | **IWW** Invisio Wallwash<br><br>**DAS** Double Asymmetric Wallwash [5]<br><br>**WW** Accent Wallwash<br><br>**AWW** True Asymmetric Wallwash [6] | **NO** On/Off Control [8] [9]<br><br>**NO3** On/Off Control 347V [2]<br><br>**DAMC** Standard 0-10V Dimming 1% Linear Curve [9] [10]<br><br>**DA1** Standard 0-10V Dimming 1% Linear Curve [9] [11]<br><br>**DA2** Standard 1-10V Dimming 1% Logarithmic Curve [9] [11]<br><br>**DA3** Standard 0-10V Dimming 1% Linear Curve (347V) [2]<br><br>**PDA1** Professional 0-10V Dimming 0.1% Linear Curve [9] [11]<br><br>**PDA2** Professional 0-10V Dimming 0.1% Logarithmic Curve [9] [11]<br><br>**PH** Phase Dimming [12] [13]<br><br>**PPH** Phase Dimming 1% [13] [14]<br><br>**PHB** Pro Phase Dimming ERP PHB Series [15] [16] [17]<br><br>**ESP** Lutron® Hi-lume Premier 0.1% EcoSystem® PEQ0 Soft-on/Fade-to-Black [9] [18]<br><br>**SDALI1** Standard DALI Dimming 1% Linear Curve [9]<br><br>**SDALI2** Standard DALI Dimming 1% Logarithmic Curve [9]<br><br>**DALI1** Professional DALI Dimming 0.1% Linear Curve [9]<br><br>**DALI2** Professional DALI Dimming 0.1% Logarithmic Curve [9]<br><br>**DMX/RDM** DMX/RDM Enabled Dimming 1% [9] [19] [20] [21]<br><br>**LT** Lumentalk Enabled Dimming [9] [22] |

## 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.** Available for CRI 80 only.
**5.** The color of the double asymmetric baffle is metallic gray.
**6.** The color of the asymmetric wallwash baffle matches the color specified for the decorative bezel.
**7.** Control options vary according to color temperature, color rendering, optics and installation type combination. Refer to website product configurator for details.
**8.** Manufacturer's choice driver. Order code may change to NO1.
**9.** Not available with 347V.
**10.** Manufacturer's choice driver. Order code may change to DAMC1 or DAMC2.
**11.** Driver cuts off power to the fixture when the control signal drops below 0.5V.
**12.** Manufacturer's choice driver. Order code may change to PH1 or PH2.

**13.** Available for 120V voltage option only.
**14.** Manufacturer's choice driver. Order code is subject to change.
**15.** Not available for 700 lumens.
**16.** Not available for DAS optic when combined with 1000 lumens.
**17.** Not available for DTW, DTWP, DWH, DWW or DWWP color options.
**18.** One EcoSystem® address per fixture.
**19.** Configurable between 8 or 16-bit dimming control via RDM. DMX/RDM requires LumenID, LumenID software and onsite commissioning.
**20.** A Control Box (CBX-DS or CBX-ST) and lumenID (LID) must be specified.
**21.** Configurable to 1, 2, or 3 channel control via RDM in the field.
**22.** 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 (28) | Trim Finish (28) | Installation Type | Ceiling Thickness (32) | Option | Accessories |
|---|---|---|---|---|---|---|---|
| **IB** Invisio Wallwash (23) <br><br> **IRB** Invisio Rollover Wallwash (23) <br><br> **SB** Standard (24) <br><br> **T** Tilt (0° rotation, factory set 30° tilt) (25) | **MWH** Matte White <br><br> **MBK** Matte Black <br><br> **MSI** Matte Silver <br><br> **NKS** Nickel Satin <br><br> **DCH** Dark Chrome <br><br> **BCH** Bright Chrome <br><br> **SWT** Satin Wheat <br><br> **CC** Custom Color Trim (26) <br><br> **SP** Special Point Source Color (27) | **RD** Round (29) <br><br> **SR** Square Trim with Round Hole (29) <br><br> **TLR** Trimless Round (29) <br><br> **SQ** Square (30) <br><br> **TLS** Trimless Square (30) | **MWH** Matte White <br><br> **MBK** Matte Black <br><br> **MSI** Matte Silver <br><br> **NKS** Nickel Satin <br><br> **CC** Custom Color Trim (26) <br><br> **SP** Special Point Source Color (27) | **RM** Remodel Non-Insulated Ceiling (Plenum Rated in Accordance to UL 2043 & CAN/ULC-S142) <br><br> **NC** New Construction Non-Insulated Ceiling (Plenum Rated in Accordance to UL 2043 & CAN/ULC-S142) <br><br> **PC** Plenum Non-Insulated Ceiling (Enclosed Box) <br><br> **IC** New Construction Insulated Ceiling (Enclosed Box) <br><br> **IC/AT** New Construction Insulated Ceiling (Chicago Plenum/airtight, enclosed box) <br><br> **RMR** Remote Recessed Insulated Ceiling/Plenum (enclosed box) (31) | **1** 0.04 in to 1 in Ceiling Thickness <br><br> **2** 1.05 in to 2 in Ceiling Thickness | **EBB** Emergency Battery Backup with Hanger Bar (Bodine BSL17C-C2) (9) (33) (34) (35) (36) <br><br> **EBI** Emergency Battery Backup with Hanger Bar (Iota ILB-CP07-A TBTS) (9) (33) (34) (35) (36) | **NA** No Accessory |

## Notes:

**9.** Not available with 347V.
**23.** Available for IWW optic only.
**24.** Available for AWW and DAS optics only.
**25.** Available for WW optic only.
**26.** Longer lead times can be expected for custom RAL color finishes.
**27.** Refer to Cylinder specification sheet and brochure for color options.
**28.** Not available for IWW optic when combined with IRB decorative bezel.
**29.** Cannot be combined with square ceiling cutout.
**30.** Cannot be combined with round ceiling cutout.

**31.** Remote distance is a maximum of 75 ft. For longer remote distances, please contact Lumenpulse Application Engineering Team for application validation.
**32.** Ceiling springs are field changeable, consult factory and installation instructions for details.
**33.** Available for RM and NC installation types only.
**34.** 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.
**35.** Emergency battery backup options are field installed and not presided by Lumenpulse. Refer to related installation instructions for details.
**36.** Not available with LT control option.