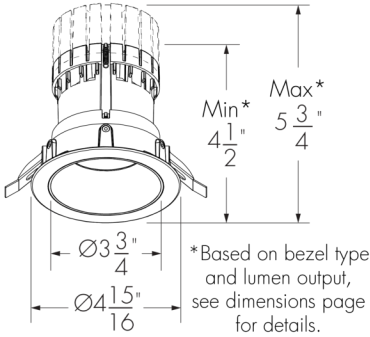


Project Name

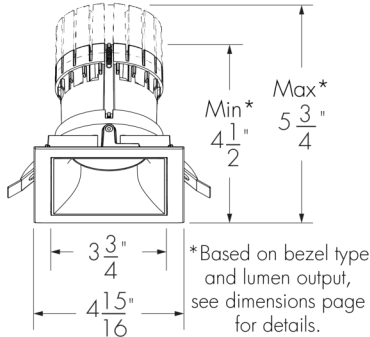
Qty

Type

Catalog / Part Number



**Round trim**  
(Deep decorative bezel shown with 1 in ceiling springs)  
Round trim ceiling cutout: Ø4.5 in



**Square trim**  
(Deep decorative bezel shown with 1 in ceiling springs)  
Square trim ceiling cutout: 4.5 in x 4.5 in

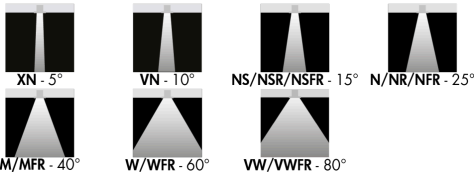
Photometric Summary

Based on Wide Faceted Reflector (nominal 600°), 4000K, CRI 90+

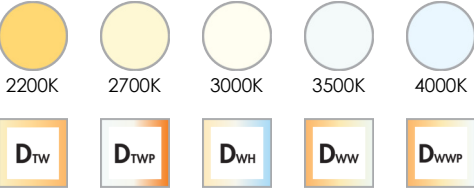
| Nominal output [lm] | Delivered output [lm] <sup>(1)</sup> | Non-insulated ceiling             |     | Insulated ceiling                 |     |
|---------------------|--------------------------------------|-----------------------------------|-----|-----------------------------------|-----|
|                     |                                      | Power (120V): Efficacy [W] [lm/W] |     | Power (120V): Efficacy [W] [lm/W] |     |
| 700                 | 696                                  | 8.5                               | 82  | 6.5                               | 107 |
| 1000                | 899                                  | 10                                | 90  | 8                                 | 112 |
| 1300                | 1,247                                | 13                                | 96  | 11                                | 113 |
| 2000                | 1,943                                | 20                                | 97  | 18                                | 108 |
| 3000                | 2,900                                | 25                                | 116 | N/A                               | N/A |
| 4000                | 3,816                                | 33                                | 116 | N/A                               | N/A |
| 5000                | 4,503                                | 41                                | 110 | N/A                               | N/A |

1. Consult website for latest IES files.  
2. Photometric performance is measured in compliance with IESNA LM-79-24.

Optics



Color and Color Temperature



Description

The Lumencore Recessed Small Downlight is a high-performance LED downlight for ceiling applications. Available in an array of trims and finishes, outputs (up to 4000lm), optics, color renderings, accessories, and a WET IP54 option, these luminaires are here to outperform. The Lumencore Recessed Small Downlight 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    | SB: Standard, MB: Mid/Semi Recess, DB: Deep Recess, DR: Deep Rollover                                                                                                                                        |
| Trim                | RD: Round, SR: Square Trim with Round Hole, TLR: Trimless Round, SQ: Square, TLS: Trimless Square                                                                                                            |
| Ceiling Thickness   | 1: 0.04 in to 1 in Ceiling Thickness<br>2: 1.05 in to 2 in Ceiling Thickness                                                                                                                                 |
| Housing Material    | Aluminum                                                                                                                                                                                                     |
| TIR Optics Material | Clear polycarbonate                                                                                                                                                                                          |
| Reflector Material  | Aluminum                                                                                                                                                                                                     |
| Weight              | 3.4 lbs with RM installation type,<br>4.75 lbs with NC installation type,<br>10.8 lbs with PC, IC, IC/AT and RMR installation types<br>(Weights are approximate based on the heaviest fixture configuration) |
|                     | Please consult factory if exact fixture weight is needed                                                                                                                                                     |

Color Rendering

CRI  
80+

CRI  
90+

CRI  
95+

Controls

ON/OFF

0-10V

PRO  
0-10V

PH

PRO  
PH

0LUTRON

Caseta Wireless  
by 0LUTRON

vive  
by 0LUTRON

nLIGHT

DALI

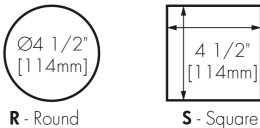
PRO  
DALI

DALIT8

DMXRdm

lumen  
talk

Ceiling Cutout Shapes



Decorative Bezels (Round Trim)



Decorative Bezels (Square Trim)



Standard Finishes - Decorative Bezels



Ceiling Space Requirements (Length x Width x Height)

Up to 18 in x 18 in x 8 in with RM and NC installation types,  
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, L30: 3000 lm, L40: 4000 lm, L50: 5000 lm

Color and Color Temperature

22K: 2200K, 27K: 2700K, 30K: 3000K, 35K: 3500K, 40K: 4000K, DTW: Dim to Warm, DTWP: Dim to Warm Plus, DWH: Dynamic White, DWW: Dynamic Warm White, DWWP: Dynamic Warm White Plus

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)

Options

EBB: Emergency Battery Backup with Hanger Bar (Bodine BSL17C-C2)  
EBI: Emergency Battery Backup with Hanger Bar (Iota ILB-CP07-A TBTS)  
WET: IP54 rating suitable for wet locations.  
For IP55 Shower Rated "Dead Front" applications see Lumencore Small Shower Rated specification sheet

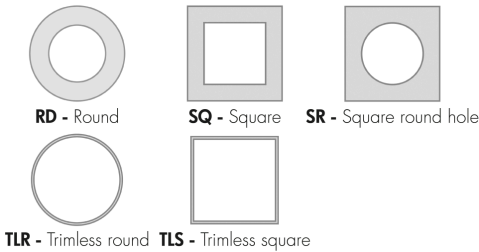
Certifications

UL compliant (this luminaire is listed & labeled for such use in accordance with UL2043 & CAN/ULC-S142), UL Wet Location (WET option only), ENERGY STAR®, RoHS

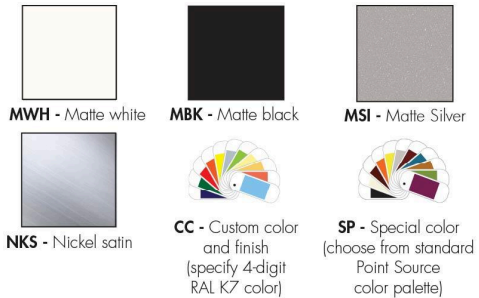
Warranty

5-year limited warranty

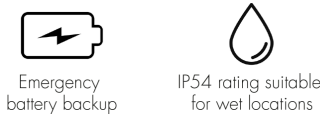
Trim Shapes



Standard Finishes for Trim



Options



Ratings



Lumencycle™ Program



Certifications



Electrical and Control

|               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Voltage       | 120: 120 Volts, 277: 277 Volts, 347: 347 Volts                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Wattage Range | 8.5W to 42W (wattage will vary based on voltage, output, color temperature, color rendering, optic, control and installation type, refer to Power Consumption table for details)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Control       | <b>NO:</b> On/Off Control<br><b>NO3:</b> On/Off Control 347V<br><b>DAMC:</b> Standard 0-10V Dimming 1% Linear Curve<br><b>DA1:</b> Standard 0-10V Dimming 1% Linear Curve<br><b>DA2:</b> Standard 1-10V Dimming 1% Logarithmic Curve<br><b>DA3:</b> Standard 0-10V Dimming 1% Linear Curve (347V)<br><b>PDA1:</b> Professional 0-10V Dimming 0.1% Linear Curve<br><b>PDA2:</b> Professional 0-10V Dimming 0.1% Logarithmic Curve<br><b>PH:</b> Phase Dimming<br><b>PPH:</b> Phase Dimming 1%<br><b>PHB:</b> Pro Phase Dimming ERP PHB Series<br><b>ES:</b> Lutron® Hi-lume 1% EcoSystem® LDE1/PEQ1 Soft-on/Fade-to-Black<br><b>ESP:</b> Lutron® Hi-lume Premier 0.1% EcoSystem® PEQ0 Soft-on/Fade-to-Black<br><b>CA:</b> Lutron® Caséta dimming compatible (Lutron Hi-lume 1% 2-wire LTEA) (temporarily unavailable)<br><b>VI:</b> Lutron® Vive control enabled (Lutron VIVE FCJS-010)<br><b>NL:</b> nLight® control enabled (nPS-80-EZ)<br><b>NLER:</b> nLight® emergency control enabled (nPS-80-EZ-ER)<br><b>NL347:</b> nLight® control enabled 347V (nPS-80-EZ-347)<br><b>SDALI1:</b> Standard DALI Dimming 1% Linear Curve<br><b>SDALI2:</b> Standard DALI Dimming 1% Logarithmic Curve<br><b>DALI1:</b> Professional DALI Dimming 0.1% Linear Curve<br><b>DALI2:</b> Professional DALI Dimming 0.1% Logarithmic Curve<br><b>DALIT8:</b> DALI-2 T8 Enabled Dimming 1%<br><b>DMX/RDM:</b> DMX/RDM Enabled Dimming 1%<br><b>LT:</b> Lumentalk Enabled Dimming |

Performance

|                             |                                                                    |
|-----------------------------|--------------------------------------------------------------------|
| Maximum Delivered Output    | Up to 4,539 lm (Narrow Faceted Reflector optic 25°, 4000K, CRI 90) |
| Maximum Delivered Intensity | Up to 45,181 cd (Extra Narrow Spot optic 5°, 4000K, CRI 80)        |
| Color Consistency           | 2 SDCM, 3 SDCM (XN optic only)                                     |
| Color Rendering             | <b>80:</b> CRI 80+, <b>90:</b> CRI 90+, <b>95:</b> CRI 95+         |
| Lumen Maintenance           | L95 55,000 hrs (Ta 25 °C)<br>L70 225,000 hrs (Ta 25 °C)            |

Environmental

|                           |                                                                                                                            |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Ingress Protection Rating | IP20, IP54 (with CL, SL or PD accessory and WET option specified)                                                          |
| Environment               | Damp location rating (interior applications only)<br>Wet location rating (with CL, SL or PD accessory and WET option only) |

|                                                            |                                                                                                                                                                                                                                                                            |
|------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operating Temperature (Ceiling Cavity Ambient Temperature) | -4 °F to 104 °F (DA1, DA2, DA3, PDA1, PDA2, SDALI1, SDALI2, DALI1, DALI2, DALIT8, 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, ES, ESP and CA 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

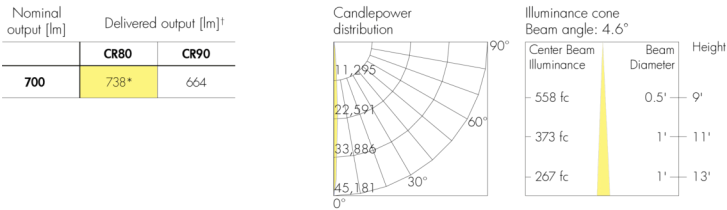
This website (<https://www.lmpg.com/patents-trademarks>) is provided to satisfy the virtual patent marking provisions of applicable jurisdictions. Some products listed may be covered by additional patents not referenced here.

Lumencycle™ Program

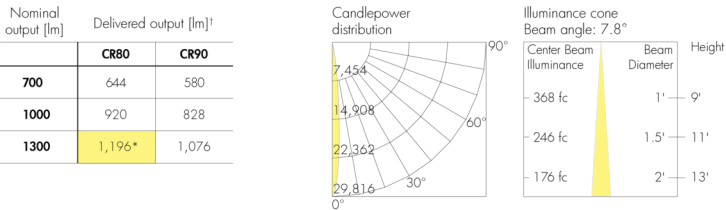
Lumencycle is a comprehensive program designed to maximize the life of Lumenpulse fixtures while preserving their performance, quality, and design intent. Built around three pillars—Repair, Restore, and Recycle—the program provides clear pathways to maintain existing installations, restore fixtures,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

Photometric Information

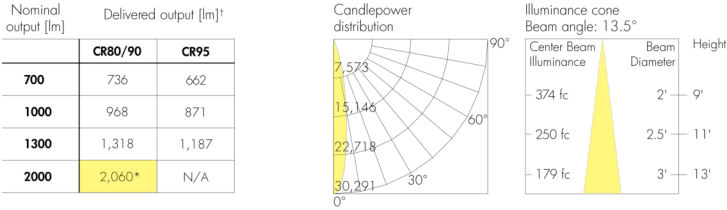
XN - Extra Narrow Spot (Nominal 5°), 4000K



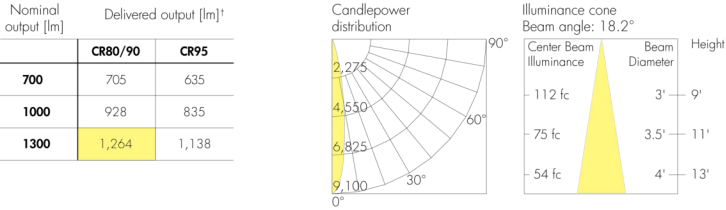
VN - Very Narrow Spot (Nominal 10°), 4000K



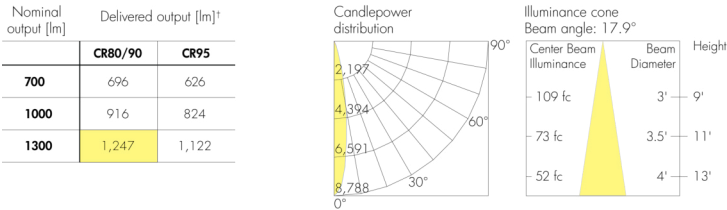
NS - Narrow Spot (Nominal 15°), 4000K



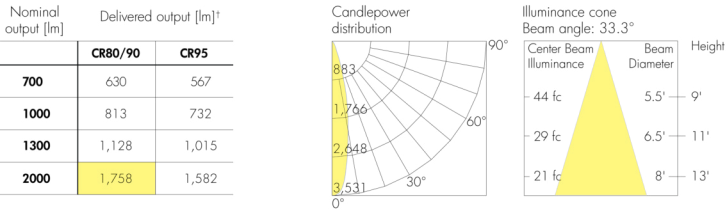
NSR - Narrow Spot Reflector (Nominal 15°), 4000K



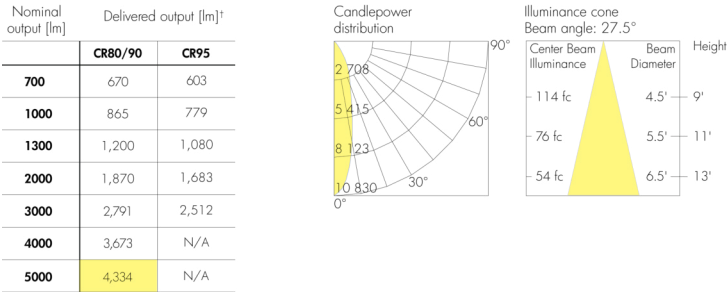
NSFR - Narrow Spot Faceted Reflector (Nominal 15°), 4000K



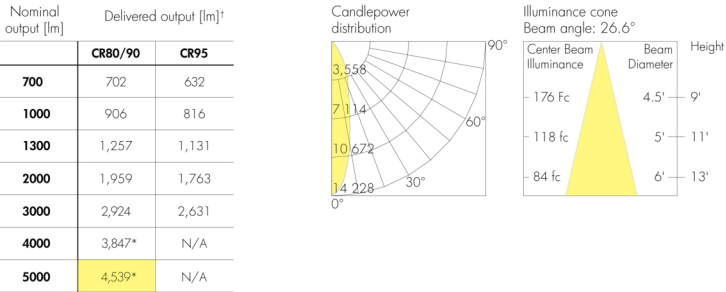
N - Narrow (Nominal 25°), 4000K



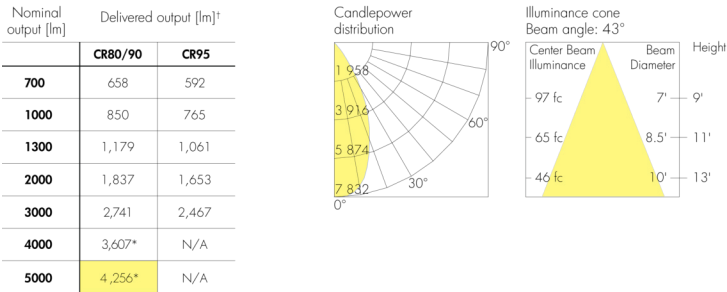
NR - Narrow Reflector (Nominal 25°), 4000K



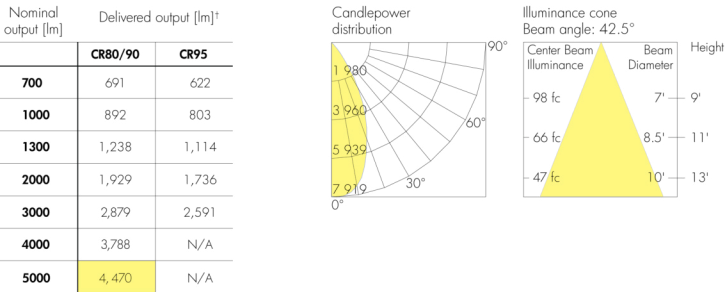
NFR - Narrow Faceted Reflector (Nominal 25°), 4000K



M - Medium (Nominal 40°), 4000K

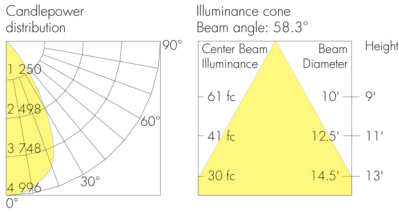


MFR - Medium Faceted Reflector (Nominal 40°), 4000K



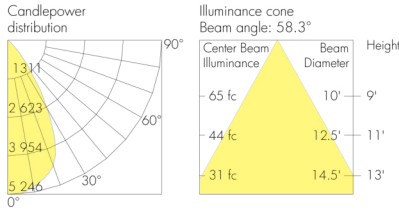
W - Wide (Nominal 60°), 4000K

| Nominal<br>output [lm] | Delivered output [lm]† |       |
|------------------------|------------------------|-------|
|                        | CR80/90                | CR95  |
| 700                    | 663                    | 597   |
| 1000                   | 856                    | 771   |
| 1300                   | 1,188                  | 1,069 |
| 2000                   | 1,850                  | 1,665 |
| 3000                   | 2,762                  | 2,486 |
| 4000                   | 3,634*                 | N/A   |
| 5000                   | 4,288*                 | N/A   |



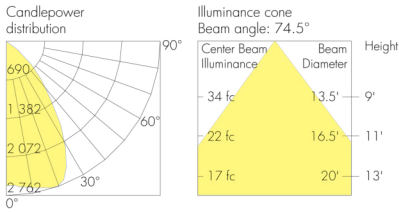
WFR - Wide Faceted Reflector (Nominal 60°), 4000K

| Nominal<br>output [lm] | Delivered output [lm]† |       |
|------------------------|------------------------|-------|
|                        | CR80/90                | CR95  |
| 700                    | 696                    | 626   |
| 1000                   | 899                    | 809   |
| 1300                   | 1,247                  | 1,122 |
| 2000                   | 1,943                  | 1,749 |
| 3000                   | 2,900                  | 2,610 |
| 4000                   | 3,816                  | N/A   |
| 5000                   | 4,503                  | N/A   |



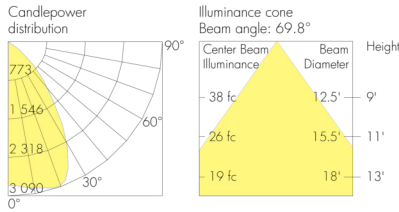
VW - Very Wide (Nominal 80°), 4000K

| Nominal<br>output [lm] | Delivered output [lm]† |       |
|------------------------|------------------------|-------|
|                        | CR80/90                | CR95  |
| 700                    | 659                    | 593   |
| 1000                   | 851                    | 766   |
| 1300                   | 1,181                  | 1,063 |
| 2000                   | 1,840                  | 1,656 |
| 3000                   | 2,746                  | 2,471 |
| 4000                   | 3,613*                 | N/A   |
| 5000                   | 4,263*                 | N/A   |



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

| Nominal<br>output [lm] | Delivered output [lm]† |       |
|------------------------|------------------------|-------|
|                        | CR80/90                | CR95  |
| 700                    | 692                    | 623   |
| 1000                   | 894                    | 804   |
| 1300                   | 1,240                  | 1,116 |
| 2000                   | 1,932                  | 1,739 |
| 3000                   | 2,883                  | 2,595 |
| 4000                   | 3,794                  | N/A   |
| 5000                   | 4,477                  | N/A   |



Based on Standard Bezel and Round or Square trim configuration.

† Consult website for IES files. Delivered output: +/- 10% tolerance.

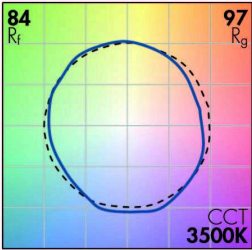
Consult Power consumption section for more wattage information.

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

TM-30

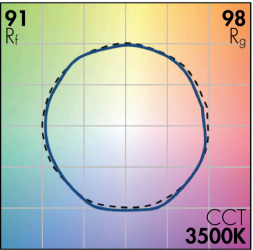
CRI 80+

| CRI 80 + |                |    |       |                |
|----------|----------------|----|-------|----------------|
| CCT      | CIE            |    | TM-30 |                |
| 3500K    | R <sub>a</sub> | 84 | 84    | R <sub>f</sub> |
|          | R <sub>g</sub> | 15 | 97    | R <sub>g</sub> |



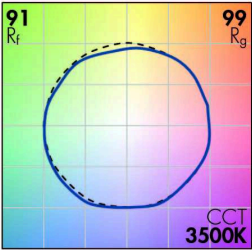
CRI 90+

| CRI 90 + |                |    |       |                |
|----------|----------------|----|-------|----------------|
| CCT      | CIE            |    | TM-30 |                |
| 3500K    | R <sub>a</sub> | 94 | 91    | R <sub>f</sub> |
|          | R <sub>g</sub> | 55 | 98    | R <sub>g</sub> |



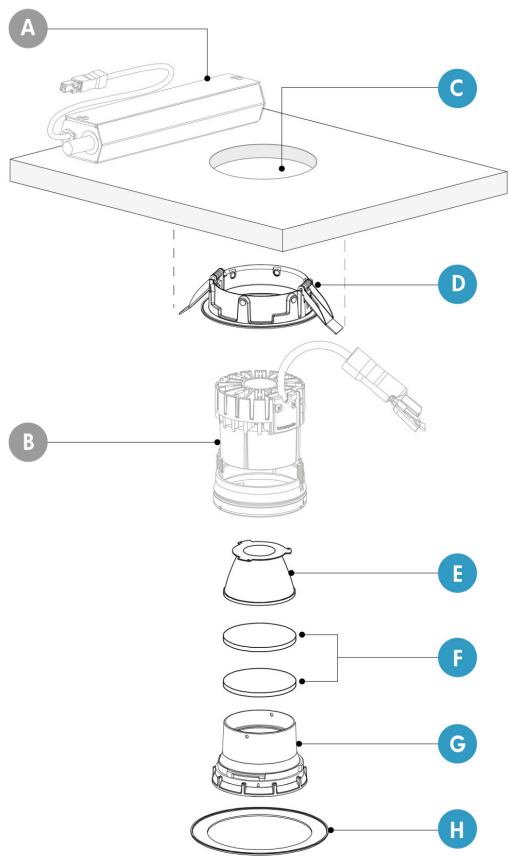
CRI 95+

| CRI 95 + |                |    |       |                |
|----------|----------------|----|-------|----------------|
| CCT      | CIE            |    | TM-30 |                |
| 3500K    | R <sub>a</sub> | 97 | 91    | R <sub>f</sub> |
|          | R <sub>g</sub> | 97 | 99    | R <sub>g</sub> |



Refer to TM-30 Reference Guide for details.

Exploded Overview - Part Selection



Standard parts

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

Customizable Parts

- C - Ceiling cutout shape (round or square)
- D - Ceiling mounting ring (round or square, based on ceiling cutout selection)
- E - Optic\*
- F - Optical accessory (up to two optical accessories can be combined in the fixture, field changeable)
- G - Decorative bezel\*\*
- H - Trim (round or square, based on ceiling ring selection)\*\*

\*Field changeable. Consult Interchangeable Optics section of the specification sheet for details. Consult factory for ordering details.

\*\*Field changeable, consult installation instructions for details. Consult factory for ordering details.

Ceiling Requirements

Ceiling Cavity Space Requirements (Length x Width x Height)

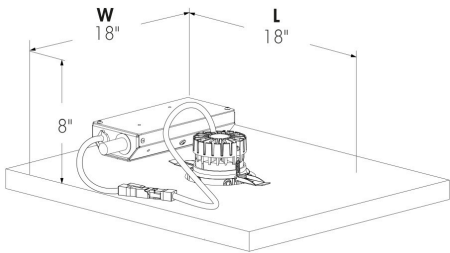
| Installation type | Bezel Options          | Output/Color Rendering                              |     |     |                                                     |      |              |      |           |
|-------------------|------------------------|-----------------------------------------------------|-----|-----|-----------------------------------------------------|------|--------------|------|-----------|
|                   |                        | L07                                                 | L10 | L13 | L20                                                 |      | L30          |      | L40       |
|                   |                        | CR80/90/95                                          |     |     | CR80/CR90                                           | CR95 | CR80/CR90    | CR95 | CR80/CR90 |
| RM                | SB or MB bezel options | 11"x 11"x 4" (with trim)<br>11"x 11"x 7" (trimless) |     |     | 12"x 12"x 6" (with trim)<br>12"x 12"x 7" (trimless) |      | 18"x 18"x 8" |      |           |
|                   | DB or DR bezel options | 11"x 11"x 6" (with trim)<br>11"x 11"x 7" (trimless) |     |     |                                                     |      |              |      |           |
| NC                | SB or MB bezel options | 14"x 11"x 4" (with trim)<br>14"x 11"x 7" (trimless) |     |     | 14"x 11"x 6" (with trim)<br>14"x 11"x 7" (trimless) |      | 18"x 18"x 8" |      |           |
|                   | DB or DR bezel options | 14"x 11"x 6" (with trim)<br>14"x 11"x 7" (trimless) |     |     |                                                     |      |              |      |           |
| PC/IC/ICAT/RMR    | ALL                    | 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

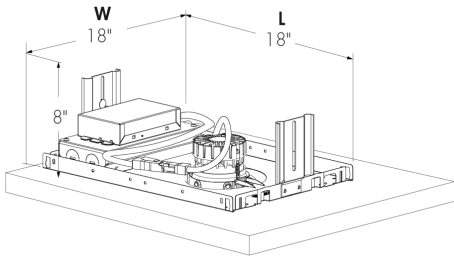
Installation Types

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



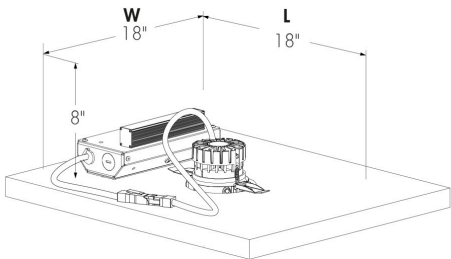
Ceiling cavity space requirements for L30 CR90/95 and L40 CR80/90 shown.

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



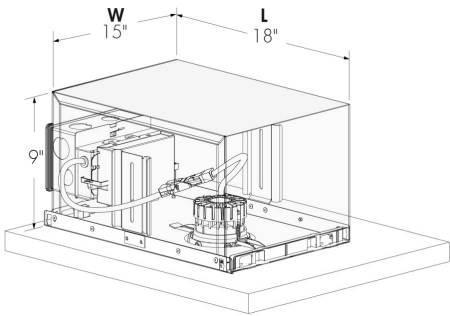
Ceiling cavity space requirements for L30 CR90/95 and L40 CR80/90 shown.

**RM: Remodel Non-Insulated Ceiling (Plenum Rated In Accordance To UL 2043 & CAN/ULC-S142) (DALI18, DMX/RDM and LT Control Options Only)**



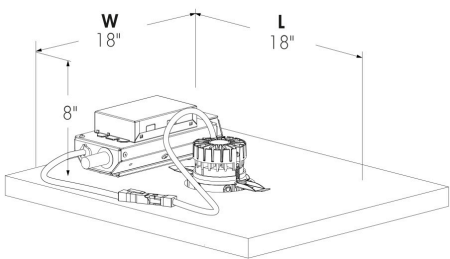
Ceiling cavity space requirements for L30 CR90/95 and L40 CR80/90 shown.

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



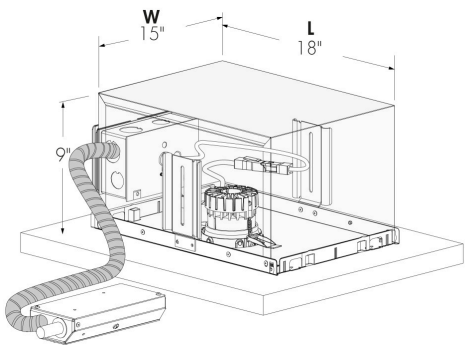
Ceiling cavity space requirements for L13 CR80/90/95 and L20 CR80/90 shown.

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



Ceiling cavity space requirements for L30 CR90/95 and L40 CR80/90 shown.

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



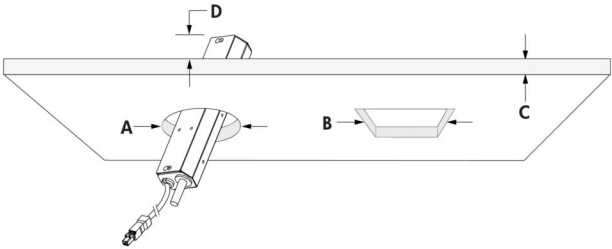
Luminaire ceiling cavity space requirements for L13 CR80/90/95 and L20 CR80/90/95 shown. Refer to remote driver box dimensions in installation instructions for space required for driver.

Remote distance is a maximum of 75 ft, consult Lumenpulse Application Engineering Team for longer remote distances.

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

Ceiling Requirements

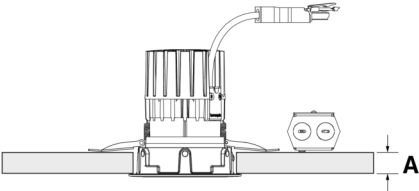
Ceiling Cutout



- A - Ceiling cutout: 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

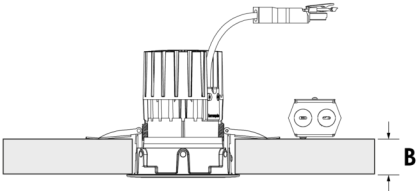
Ceiling Thickness Options

Ceiling Thickness 1



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

Ceiling Thickness 2



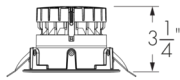
- B - Ceiling thickness range: 1.05 in to 2 in

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

Dimensions

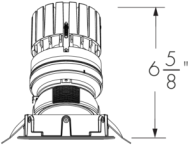
SB - Standard

L07, L10, L13, L20 (CR80/90/95)  
L30 (CR80)



Front view

L30 (CR90, CR95), L40 CR80/CR90  
L50 (CR90)



Front view

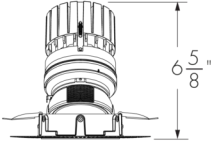
SB - Standard (Trimless Version)

L07, L10, L13, L20 (CR80/90/95)  
L30 (CR80)



Front view

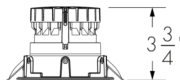
L30 (CR90, CR95), L40 CR80/CR90  
L50 (CR90)



Front view

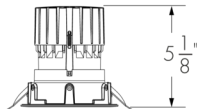
MB - Mid/Semi Recess

L07, L10, L13, L20 (CR80/90/95)  
L30 (CR80)



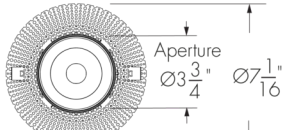
Front view

L30 (CR90, CR95), L40 (CR80)



Front view

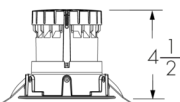
TLR - Trimless Round



Bottom view

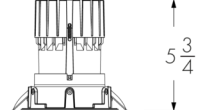
DB - Deep Recess  
DR - Deep Rolled Over

L07, L10, L13, L20 (CR80/90/95)  
L30 (CR80)



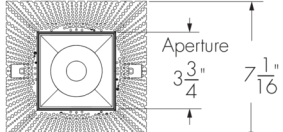
Front view

L30 (CR90, CR95), L40 (CR80)



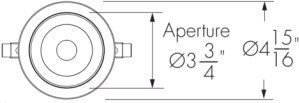
Front view

TLS - Trimless Square



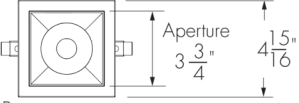
Bottom view

RD - Round Shape, Round Trim



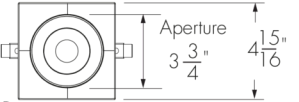
Bottom view

SQ - Square Shape, Square Trim



Bottom view

SR - Square Shape, Round Hole

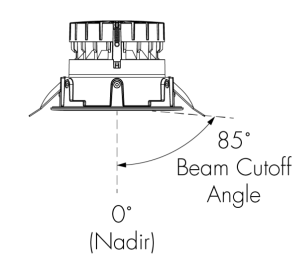


Bottom view

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

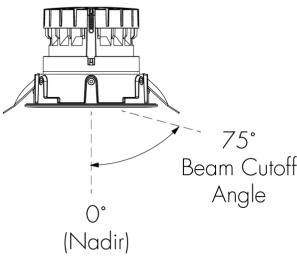
Beam Cutoff Angle

SB - Standard



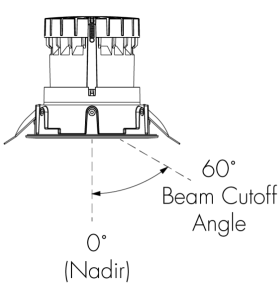
Front view

MB - Mid/Semi Recess



Front view

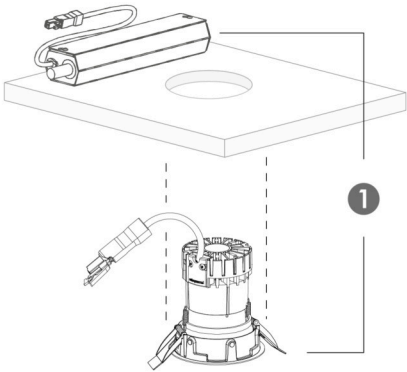
DB - Deep Recess  
DR - Deep Rolled Over



Front view

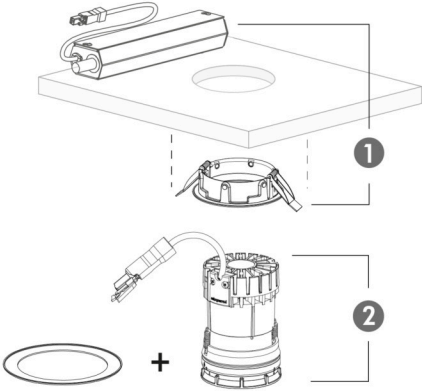
Delivery - How it Works

Standard Shipping (1 delivery)



- Included
- 1. MTG kit and complete fixture assembly

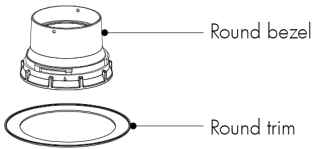
Advanced Shipping of Mounting kit (2 Separate Deliveries)



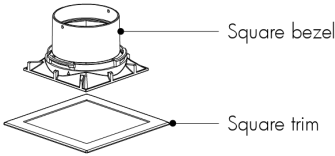
- Included
- 1. Optional advanced delivery: MTG kit and ceiling mounting ring
  - 2. Second delivery: LUM Core (heatsink, universal fixing ring, LED module, optic, accessories, decorative bezel) and trim
- Consult factory for Advanced Shipping details.

Ceiling Cutout Shape Options

RD - Round Ceiling Cutout



SQ - Square Ceiling Cutout



Decorative Bezel Options

RD - Compatible Round Decorative Bezels



SB - Standard



MB - Mid/semi recess



DB - Deep recess



DR - Deep rolled over

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\*

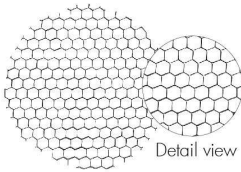


SP - Special colour\*\*

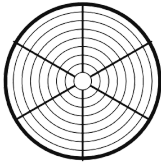
\*Custom color: specify 4-digit RAL K7 color.  
\*\*Special color: choose one of the standard Point Source colors from the Point Source product brochure or Lumencore Cylinder specification sheets. Contact manufacturer for additional information.

Optical Accessories

HL - Honeycomb Louver



XLVR - Concentric Ring Louver



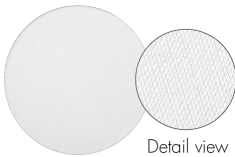
CL - Clear Glass Lens



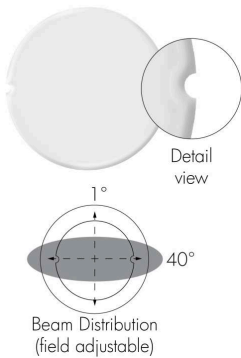
SL - Softening Glass Lens



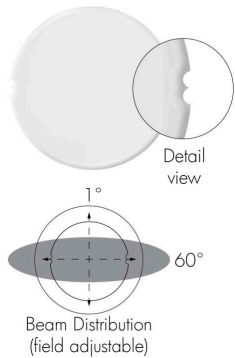
PD - Prismatic Diffuser



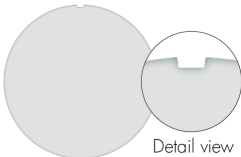
LSN - Linear Spread Lens Narrow (1° x 40°)



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

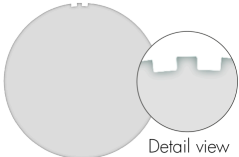


BW1 - Beam Widening Lens (+10°)



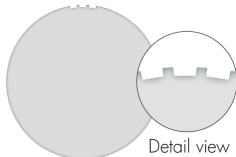
Refer to Beam Widening Lens table for beam distribution based on optic installed in the fixture.

BW2 - Beam Widening Lens (+20°)



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

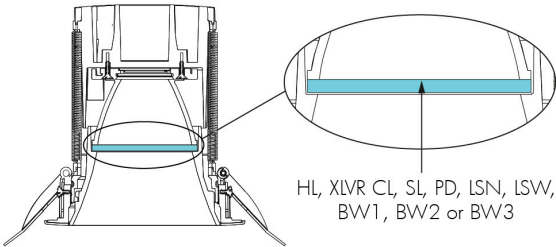
BW3 - Beam widening lens (+30°)



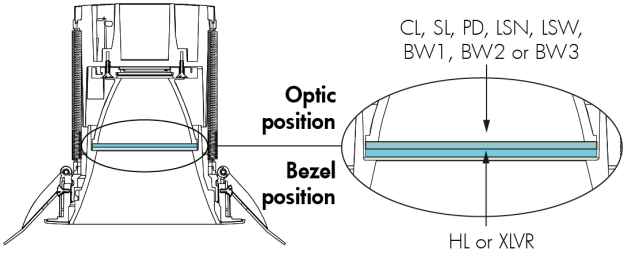
Refer to Beam Widening Lens table for beam distribution based on optic installed in the fixture.

Optical Accessories - Installation Options (Field Changeable)

One Optical Accessory Installed

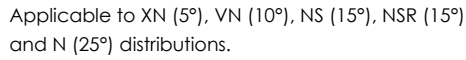


Two Optical Accessories Installed

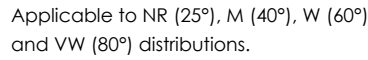


Accessories specified in the fixture code will ship from the factory in the order shown above.

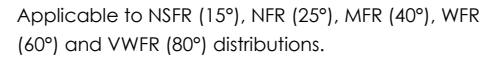
### TIR Optic - Total Internal Reflection



### Semi-Specular Reflector



## Faceted Reflector



|     | Optic installed in fixture |           |           |            |             |          |           |            |          |            |          |            |           |             |
|-----|----------------------------|-----------|-----------|------------|-------------|----------|-----------|------------|----------|------------|----------|------------|-----------|-------------|
|     | XN<br>5°                   | VN<br>10° | NS<br>15° | NSR<br>15° | NSFR<br>15° | N<br>25° | NR<br>25° | NFR<br>25° | M<br>40° | MFR<br>40° | W<br>60° | WFR<br>60° | VW<br>80° | VWFR<br>80° |
| BW1 | 11°                        | 13°       | 17°       | 17°        | 17°         | 30°      | 30°       | 30°        | 41°      | 41°        | 61°      | 61°        | 81°       | 81°         |
| BW2 | 21°                        | 22°       | 24°       | 24°        | 24°         | 34°      | 34°       | 34°        | 45°      | 45°        | 63°      | 63°        | 82°       | 82°         |
| BW3 | 30°                        | 31°       | 33°       | 33°        | 33°         | 41°      | 41°       | 41°        | 50°      | 50°        | 67°      | 67°        | 85°       | 85°         |

Beam widening lenses should not be used with other accessories with the nominal results above.

|                        | Optic installed in fixture |           |             |            |             |            |            |            |             |
|------------------------|----------------------------|-----------|-------------|------------|-------------|------------|------------|------------|-------------|
|                        | XN<br>5°                   | VN<br>10° | NS<br>15°   | NSR<br>15° | N<br>25°    | NR<br>25°  | M<br>40°   | W<br>60°   | VW<br>80°   |
| Interchangeable optics | N/A                        | N/A       | NSR<br>NSFR | NS<br>NSFR | NR          | N          | N          | N          | N           |
|                        |                            |           |             |            | NFR         | NFR        | NR         | NR         | NR          |
|                        |                            |           |             |            | M           | M          | NFR        | NFR        | NFR         |
|                        |                            |           |             |            | MFR         | MFR        | MFR        | M          | M           |
|                        |                            |           |             |            | W           | W          | W          | MFR        | MFR         |
|                        |                            |           |             |            | WFR         | WFR        | WFR        | W          | W           |
|                        |                            |           |             |            | VW          | VW         | VW         | WFR        | WFR         |
|                        |                            |           |             |            | VWFR        | VWFR       | VWFR       | VWFR       | VWFR        |
|                        |                            |           |             |            | NSFR<br>15° | NFR<br>25° | MFR<br>40° | WFR<br>60° | VWFR<br>80° |
|                        |                            |           |             |            |             |            |            |            |             |
| NS<br>NSR              | N                          | N         | N           | N          |             |            |            |            |             |
|                        | NR                         | NR        | NR          | NR         |             |            |            |            |             |
|                        | M                          | NFR       | NFR         | NFR        |             |            |            |            |             |
|                        | MFR                        | M         | M           | M          |             |            |            |            |             |
|                        | W                          | W         | MFR         | MFR        |             |            |            |            |             |
|                        | WFR                        | WFR       | W           | W          |             |            |            |            |             |
|                        | VW                         | VW        | VW          | WFR        |             |            |            |            |             |
| VWFR                   | VWFR                       | VWFR      | VW          |            |             |            |            |            |             |

\* Consult the Lumencore Recessed Small Wallwash specification sheet for details.

Power Consumption

Static White Color Temperatures

| Power consumption [W] |                    |       |                                   |      |         |      |                                                                                                    |       |         |       |
|-----------------------|--------------------|-------|-----------------------------------|------|---------|------|----------------------------------------------------------------------------------------------------|-------|---------|-------|
| Output [lm]           | XN (5°) - VN (10°) |       | NS (15°) - NSR (15°) - NSFR (15°) |      |         |      | N (25°) - NR (25°) - NFR (25°) - M (40°) - MFR (40°) - W (60°) - WFR (60°) - VW (80°) - VWFR (80°) |       |         |       |
|                       | 120 V              | 277 V | 120 V                             |      | 277 V   |      | 120 V                                                                                              |       | 277 V   |       |
|                       | CR80/90            |       | CR80/90                           | CR95 | CR80/90 | CR95 | CR80/90                                                                                            | CR95  | CR80/90 | CR95  |
| 700                   | 13                 | 15    | 9.5                               | 10   | 10.5    | 12   | 8.5                                                                                                | 9     | 9.5     | 11    |
| 1000                  | 17*                | 18*   | 13                                | 14.5 | 14      | 16   | 10                                                                                                 | 13    | 12      | 15    |
| 1300                  | 23*                | 24*   | 15                                | 20   | 16      | 21   | 13                                                                                                 | 15    | 15      | 16    |
| 2000                  | N/A                | N/A   | 23**                              | 30** | 24**    | 30** | 20                                                                                                 | 23    | 21      | 24    |
| 3000                  | N/A                | N/A   | N/A                               | N/A  | N/A     | N/A  | 25***                                                                                              | 42*** | 26***   | 42*** |
| 4000                  | N/A                | N/A   | N/A                               | N/A  | N/A     | N/A  | 33***                                                                                              | N/A   | 34***   | N/A   |
| 5000                  | N/A                | N/A   | N/A                               | N/A  | N/A     | N/A  | 41***                                                                                              | N/A   | 41***   | N/A   |

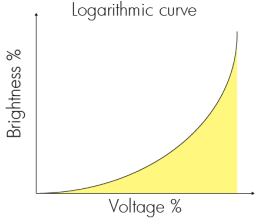
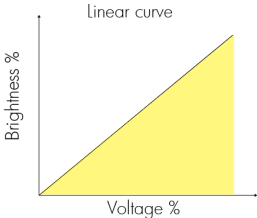
\*Not applicable to XN optic.  
\*\*Not applicable to NSR and NSFR optics.  
\*\*\*Not applicable to N optic.

Dynamic Colors

| Power consumption [W] |                                                                                          |                  |            |                  |
|-----------------------|------------------------------------------------------------------------------------------|------------------|------------|------------------|
| Output [lm]           | NR (25°) - NFR (25°) - M (40°) - MFR (40°) - W (60°) - WFR (60°) - VW (80°) - VWFR (80°) |                  |            |                  |
|                       | 120 V                                                                                    |                  | 277 V      |                  |
|                       | DTW - DTWP                                                                               | DWW - DWH - DWWP | DTW - DTWP | DWW - DWH - DWWP |
| 1000                  | 14                                                                                       | N/A              | 15         | N/A              |
| 1300                  | 17                                                                                       | 26               | 18         | 26               |
| 2000                  | 27                                                                                       | N/A              | 28         | N/A              |

- 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.

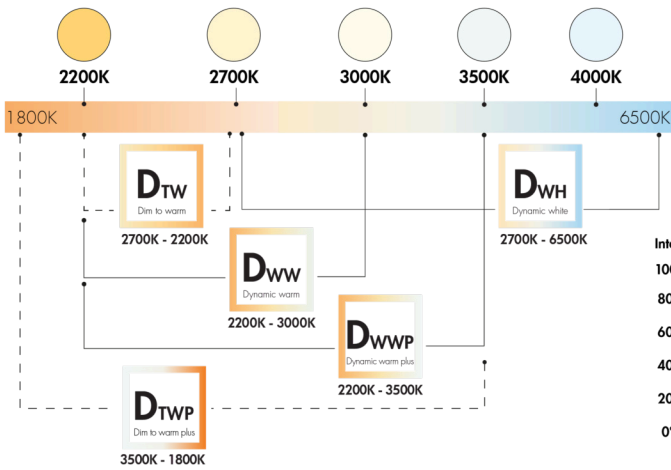
Control



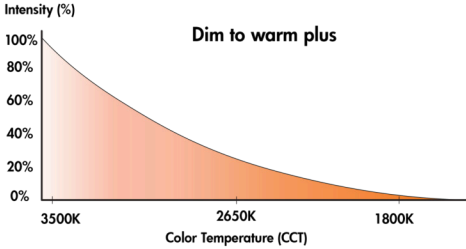
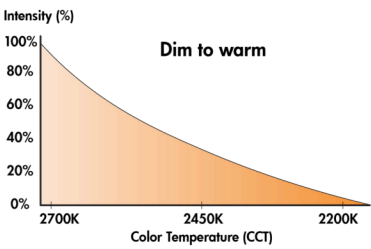
| Dimming              | Control options with linear dimming curve |     |       |     |     |    |        | Control options with logarithmic dimming curve |        |       |                     |
|----------------------|-------------------------------------------|-----|-------|-----|-----|----|--------|------------------------------------------------|--------|-------|---------------------|
| Dimming down to 0.1% | PDA1                                      | ESP | DALI1 |     |     |    |        | PDA2                                           | DALI2  | DALI8 |                     |
| Dimming down to 1%   | DA1                                       | DA3 | DAMC  | PPH | PHB | ES | SDALI1 | DA2                                            | SDALI2 | DALI8 | DMXrdrm* lumen talk |

Color and Color Temperature

Color Temperature Ranges

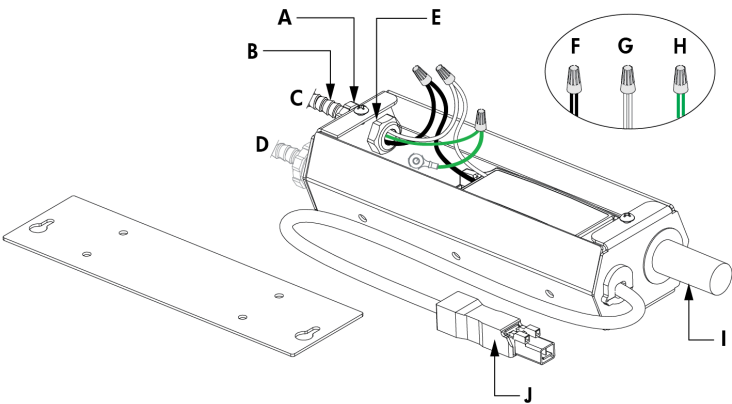


- 1 channel (DTW, DTWP) Compatible with: DA1 ES SDALI1 SDALI2 DMXrdm lumen talk
  - 2 channels\* (DWH, DWW, DWWP) Compatible with: DALI8 DMXrdm lumen talk
  - 3 channels (DWH, DWW, DWWP) Compatible with: DALI8 DMXrdm lumen talk
- \*Can be changed in the field via RDM & IT for individual CCT control.



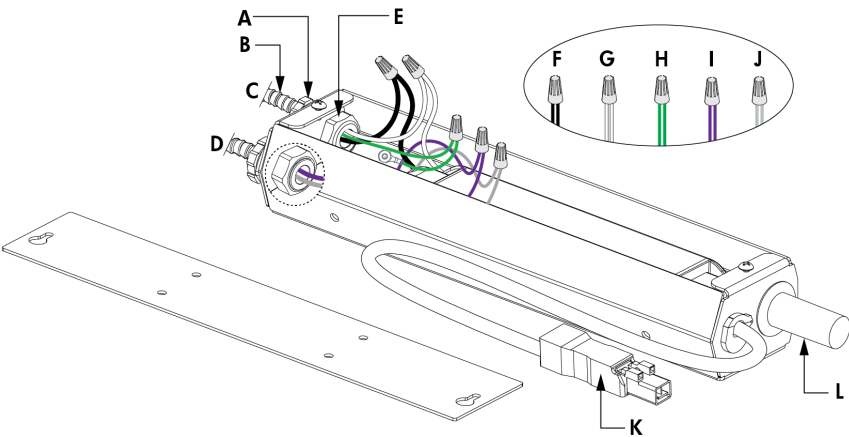
Wiring Details RM: Remodel Non-Insulated Ceiling (Plenum Rated in Accordance to UL 2043 & CAN/ULC-S142)

NO And PH Controls - Wiring Detail



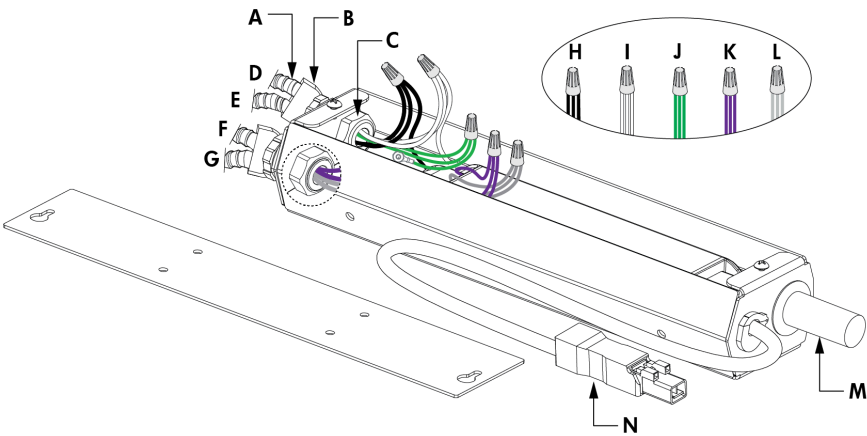
- A - Conduit fitting (by others)
- B - Conduit (by others)
- C - Power Input
- D - Optional Output
- E - Locknut (by others)
- F - Line
- G - Neutral
- H - Ground
- I - Thermal protector
- J - Output to luminaire

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

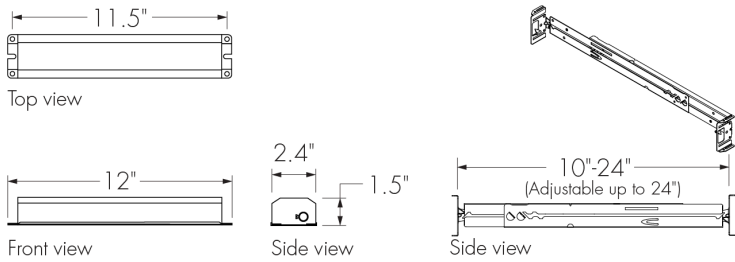


- A - Conduit (by others)
- B - Duplex connector (by others)
- C - Locknut (by others)
- D - Power Output to next luminaire
- E - Power input
- F - Data Output to next luminaire
- G - Data Input from Control System
- H - Line
- I - Neutral
- J - Ground
- K - Data +
- L - Data -
- M - Thermal protector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

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

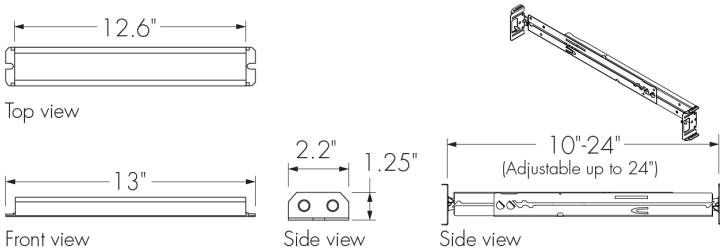
Options

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)

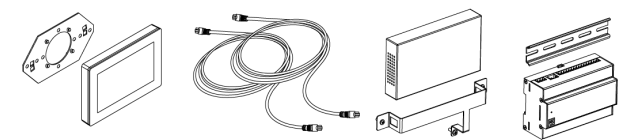
LID - LumenID



The updated LumenID (LID) is an all-in-one diagnostic and addressing solution for both DMX/RDM and Lumentalk (LT) systems. Engineered for versatility, it streamlines commissioning and troubleshooting across protocols—no need for multiple tools. Cable option may vary; please consult factory. For complete details, refer to the LID specification sheet.

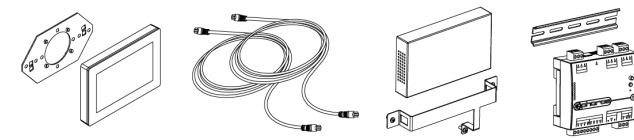
Control Systems (Order Separately)

PHAROS - Pharos® Designer Lighting Control Kit



The Pharos Designer Lighting Control Kit, available for 1 or 2 DMX universes, allows for complete control of large lighting installations.

EXPERT - Pharos® Expert Control Kit



The Pharos Expert Control Kit, available for 1, 2, 4 or 6 DMX universes, allows for complete control of large lighting installations.

How to Order

| Housing <sup>(1)</sup>                         | EZ Ship                             | Certification                                                                | Type                   | Voltage                                                                                                                                                          | Cutout                                      | Output (Nominal Lumens)                                                                                                                                                                                                                                                                                                                          | Color and Color Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Color Rendering                                                                             | Optics (Nominal Distribution)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------------------------------------|-------------------------------------|------------------------------------------------------------------------------|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>LCRS</b><br>Lumencore Recessed Small - 4 in | <b>EZ</b><br>EZ Ship <sup>(2)</sup> | <b>A</b><br>UL/cUL<br><br><b>ESR</b><br>UL/cUL & ENERGY STAR® <sup>(3)</sup> | <b>FD</b><br>Downlight | <b>120</b><br>120 Volts<br><br><b>277</b><br>277 Volts<br><br><b>347</b><br>347 Volts <sup>(4)</sup> <sup>(5)</sup> <sup>(6)</sup> <sup>(7)</sup> <sup>(8)</sup> | <b>R</b><br>Round<br><br><b>S</b><br>Square | <b>L07</b><br>700 lm <sup>(9)</sup><br><br><b>L10</b><br>1000 lm<br><br><b>L13</b><br>1300 lm<br><br><b>L20</b><br>2000 lm<br><br><b>L30</b><br>3000 lm <sup>(10)</sup> <sup>(11)</sup><br><br><b>L40</b><br>4000 lm <sup>(9)</sup> <sup>(10)</sup> <sup>(11)</sup><br><br><b>L50</b><br>5000 lm <sup>(10)</sup> <sup>(12)</sup> <sup>(13)</sup> | <b>22K</b><br>2200K <sup>(7)</sup> <sup>(14)</sup> <sup>(15)</sup><br><br><b>27K</b><br>2700K <sup>(15)</sup><br><br><b>30K</b><br>3000K <sup>(15)</sup><br><br><b>35K</b><br>3500K <sup>(15)</sup><br><br><b>40K</b><br>4000K <sup>(15)</sup><br><br><b>DTW</b><br>Dim to Warm (2700K to 2200K) <sup>(7)</sup> <sup>(14)</sup> <sup>(17)</sup> <sup>(18)</sup><br><br><b>DTWP</b><br>Dim to Warm Plus (3500K to 1800K) <sup>(7)</sup> <sup>(16)</sup> <sup>(17)</sup> <sup>(18)</sup><br><br><b>DWH</b><br>Dynamic White (2700K to 6500K) <sup>(7)</sup> <sup>(17)</sup> <sup>(19)</sup> <sup>(20)</sup><br><br><b>DWW</b><br>Dynamic Warm White (2200K to 3000K) <sup>(7)</sup> <sup>(17)</sup> <sup>(19)</sup> <sup>(20)</sup><br><br><b>DWWP</b><br>Dynamic Warm White Plus (2200K to 3500K) <sup>(7)</sup> <sup>(17)</sup> <sup>(19)</sup> <sup>(20)</sup> | <b>80</b><br>CRI 80+<br><br><b>90</b><br>CRI 90+<br><br><b>95</b><br>CRI 95+ <sup>(7)</sup> | <b>XN</b><br>Extra Narrow Spot Distribution 5° <sup>(7)</sup> <sup>(21)</sup><br><br><b>VN</b><br>Very Narrow Spot Distribution 10° <sup>(7)</sup> <sup>(22)</sup><br><br><b>NS</b><br>Narrow Spot Distribution 15° <sup>(23)</sup><br><br><b>NSR</b><br>Narrow Spot Reflector 15° <sup>(24)</sup> <sup>(25)</sup><br><br><b>NSFR</b><br>Narrow Spot Faceted Reflector 15° <sup>(24)</sup> <sup>(25)</sup><br><br><b>N</b><br>Narrow Distribution 25° <sup>(26)</sup><br><br><b>NR</b><br>Narrow Reflector 25°<br><br><b>NFR</b><br>25° Faceted Reflector<br><br><b>M</b><br>Medium 40°<br><br><b>MFR</b><br>40° Faceted Reflector<br><br><b>W</b><br>Wide 60°<br><br><b>WFR</b><br>60° Faceted Reflector<br><br><b>VW</b><br>80° Reflector<br><br><b>VWFR</b><br>80° Faceted Reflector |

Notes:

1. Refer to website product configurator for all exceptions.

2. Refer to website for EZ Ship configurations.

3. Refer to website for ENERGY STAR certified product configurations.

4. Not available for 700 lumens. Not available for 1000 lumens when combined with 80 color rendering option.

5. Not available for DTW, DTWP, DWH, DWW or DWWP color options.

6. Not available for XN and VN optics.

7. Not available for ENERGY STAR certification.

8. Not available for CR90.

9. For ENERGY STAR certification, not available with RM or NC installation types when combined with 90 color rendering option.

10. Available for NR, NFR, M, MFR, W, WFR, VW and VWFR optics only.

11. Not available with PC, IC, IC/AT or RMR installation types.

12. Available for CR90 only.

13. Available for RM and NC Installation Types only.

14. Available for CRI 80 only.

15. Compatible with all control options except for DALI18.

16. Available for 1000, 1300 and 2000 lumens when combined with 90 color rendering option and NR, NFR, M, MFR, W, WFR, VW or VWFR optics only.

17. NFR, MFR, WFR and VWFR faceted reflector optics are recommended for optimal performance.

18. Compatible with DA1, ES, SDALI1, SDALI2, DMX/RDM and LT control options only.

19. Available for 1300 lumens when combined with 80 color rendering option and NR, NFR, M, MFR, W, WFR, VW or VWFR optics only.

20. Compatible with LT, DMX/RDM and DALI18 control options only.

21. Available for 700 lumens when combined with 80 or 90 color rendering options and 27K, 30K, 35K or 40K color temperature options only.

22. Available up to 1300 lumens when combined with 80 or 90 color rendering options and 27K, 30K, 35K or 40K color temperature options only.

23. Available up to 2000 lumens when combined with 80 color rendering option. Available up to 1300 lumens when combined with 90 or 95 color rendering options.

24. Available up to 1300 lumens when combined with 80, 90 or 95 color rendering options.

25. Available with S8 bezel only.

26. Available up to 2000 lumens when combined with 80, 90 or 95 color rendering options.

How to Order

| Control <sup>(27)</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Decorative Bezel                                                                                                | Decorative Bezel Finish                                                                                                                                                                                                                                                                                                                                                                                                                                      | Trim <sup>(59)</sup>                                                                                                                                                                                                                   | Trim Finish                                                                                                                                                                                                                         | Installation Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Ceiling Thickness <sup>(67)</sup>                                                              | Option                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Accessories <sup>(76)</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>NO</b><br>On/Off Control <sup>(7)</sup> <sup>(28)</sup> <sup>(29)</sup><br><b>NO3</b><br>On/Off Control 347V <sup>(4)</sup> <sup>(6)</sup> <sup>(7)</sup><br><b>DAMC</b><br>Standard 0-10V Dimming 1% Linear Curve <sup>(5)</sup> <sup>(7)</sup> <sup>(29)</sup> <sup>(30)</sup> <sup>(31)</sup> <sup>(32)</sup><br><b>DA1</b><br>Standard 0-10V Dimming 1% Linear Curve <sup>(29)</sup> <sup>(33)</sup><br><b>DA2</b><br>Standard 1-10V Dimming 1% Logarithmic Curve <sup>(29)</sup> <sup>(33)</sup><br><b>DA3</b><br>Standard 0-10V Dimming 1% Linear Curve (347V) <sup>(4)</sup> <sup>(6)</sup> <sup>(7)</sup><br><b>PDA1</b><br>Professional 0-10V Dimming 0.1% Linear Curve <sup>(29)</sup> <sup>(33)</sup><br><b>PDA2</b><br>Professional 0-10V Dimming 0.1% Logarithmic Curve <sup>(29)</sup> <sup>(33)</sup><br><b>PH</b><br>Phase Dimming <sup>(34)</sup> <sup>(35)</sup><br><b>PPH</b><br>Phase Dimming 1% <sup>(5)</sup> <sup>(6)</sup> <sup>(7)</sup> <sup>(32)</sup> <sup>(35)</sup> <sup>(36)</sup><br><b>PHB</b><br>Pro Phase Dimming ERP PHB Series <sup>(5)</sup> <sup>(31)</sup> <sup>(37)</sup> <sup>(38)</sup> <sup>(39)</sup><br><b>ES</b><br>Lutron® Hi-lume 1% EcoSystem® LDE1/PEQ1 Soft-on/Fade-to-Black <sup>(7)</sup> <sup>(29)</sup> <sup>(40)</sup> <sup>(41)</sup><br><b>ESP</b><br>Lutron® Hi-lume Premier 0.1% EcoSystem® PEQ0 Soft-on/Fade-to-Black <sup>(7)</sup> <sup>(29)</sup> <sup>(42)</sup> <sup>(43)</sup><br><b>CA</b><br>Lutron® Caséta dimming compatible (Lutron Hi-lume 1% 2-wire LTEA) (temporarily unavailable) <sup>(6)</sup> <sup>(35)</sup> <sup>(37)</sup> <sup>(44)</sup> <sup>(45)</sup><br><b>VI</b><br>Lutron® Vive control enabled (Lutron VIVE FCJS-010) <sup>(7)</sup> <sup>(29)</sup> <sup>(46)</sup> <sup>(47)</sup><br><b>NL</b><br>nLight® control enabled (nPS-80-EZ) <sup>(7)</sup> <sup>(29)</sup> <sup>(46)</sup> <sup>(47)</sup><br><b>NLER</b><br>nLight® emergency control enabled (nPS-80-EZ-ER) <sup>(7)</sup> <sup>(29)</sup> <sup>(46)</sup> <sup>(47)</sup><br><b>NL347</b><br>nLight® control enabled 347V (nPS-80-EZ-347) <sup>(6)</sup> <sup>(7)</sup> <sup>(37)</sup> <sup>(46)</sup> <sup>(47)</sup><br><b>SDALI1</b><br>Standard DALI Dimming 1% Linear Curve <sup>(7)</sup> <sup>(29)</sup><br><b>SDALI2</b><br>Standard DALI Dimming 1% Logarithmic Curve <sup>(7)</sup> <sup>(29)</sup><br><b>DALI1</b><br>Professional DALI Dimming 0.1% Linear Curve <sup>(7)</sup> <sup>(29)</sup><br><b>DALI2</b><br>Professional DALI Dimming 0.1% Logarithmic Curve <sup>(7)</sup> <sup>(29)</sup><br><b>DALIT8</b><br>DALI-2 T8 Enabled Dimming 1% <sup>(6)</sup> <sup>(7)</sup> <sup>(29)</sup> <sup>(48)</sup> <sup>(49)</sup><br><b>DMX/RDM</b><br>DMX/RDM Enabled Dimming 1% <sup>(7)</sup> <sup>(29)</sup> <sup>(50)</sup> <sup>(51)</sup> <sup>(52)</sup><br><b>LT</b><br>Lumentalk Enabled Dimming <sup>(7)</sup> <sup>(29)</sup> <sup>(53)</sup> | <b>SB</b><br>Standard<br><b>MB</b><br>Mid/Semi Recess<br><b>DB</b><br>Deep Recess<br><b>DR</b><br>Deep Rollover | <b>MWH</b><br>Matte White<br><b>MBK</b><br>Matte Black <sup>(54)</sup><br><b>MSI</b><br>Matte Silver<br><b>NKS</b><br>Nickel Satin <sup>(55)</sup><br><br><b>DCH</b><br>Dark Chrome <sup>(54)</sup><br><br><b>BCH</b><br>Bright Chrome <sup>(55)</sup><br><br><b>SWT</b><br>Satin Wheat <sup>(56)</sup><br><br><b>CC</b><br>Custom Color Trim <sup>(56)</sup> <sup>(57)</sup><br><br><b>SP</b><br>Special Point Source Color <sup>(56)</sup> <sup>(58)</sup> | <b>RD</b><br>Round <sup>(60)</sup><br><b>SR</b><br>Square Trim with Round Hole <sup>(60)</sup><br><b>TLR</b><br>Trimless Round <sup>(60)</sup><br><b>SQ</b><br>Square <sup>(61)</sup><br><b>TLS</b><br>Trimless Square <sup>(61)</sup> | <b>MWH</b><br>Matte White<br><b>MBK</b><br>Matte Black<br><b>MSI</b><br>Matte Silver<br><b>NKS</b><br>Nickel Satin<br><b>CC</b><br>Custom Color Trim <sup>(57)</sup><br><br><b>SP</b><br>Special Point Source Color <sup>(58)</sup> | <b>RM</b><br>Remodel Non-Insulated Ceiling (Plenum Rated in Accordance to UL 2043 & CAN/ULC-S142) <sup>(62)</sup><br><b>NC</b><br>New Construction Non-Insulated Ceiling (Plenum Rated in Accordance to UL 2043 & CAN/ULC-S142) <sup>(62)</sup><br><b>PC</b><br>Plenum Non-Insulated Ceiling (Enclosed Box) <sup>(43)</sup> <sup>(63)</sup> <sup>(64)</sup> <sup>(65)</sup><br><b>IC</b><br>New Construction Insulated Ceiling (Enclosed Box) <sup>(43)</sup> <sup>(63)</sup> <sup>(64)</sup> <sup>(65)</sup><br><b>IC/AT</b><br>New Construction Insulated Ceiling (Chicago Plenum/airtight, enclosed box) <sup>(43)</sup> <sup>(63)</sup> <sup>(64)</sup> <sup>(65)</sup><br><b>RMR</b><br>Remote Recessed Insulated Ceiling/Plenum (enclosed box) <sup>(43)</sup> <sup>(63)</sup> <sup>(64)</sup> <sup>(65)</sup> <sup>(66)</sup> | <b>1</b><br>0.04 in to 1 in Ceiling Thickness<br><b>2</b><br>1.05 in to 2 in Ceiling Thickness | <b>WET</b><br>IP54 Rating Suitable for Wet Locations <sup>(68)</sup> <sup>(69)</sup> <sup>(70)</sup> <sup>(71)</sup> <sup>(72)</sup><br><b>EBB</b><br>Emergency Battery Backup with Hanger Bar (Bodine BSL17C-C2) <sup>(5)</sup> <sup>(7)</sup> <sup>(29)</sup> <sup>(73)</sup> <sup>(74)</sup> <sup>(75)</sup><br><b>EBI</b><br>Emergency Battery Backup with Hanger Bar (Iota ILB-CP07-A TBTS) <sup>(5)</sup> <sup>(7)</sup> <sup>(29)</sup> <sup>(73)</sup> <sup>(74)</sup> <sup>(75)</sup> | <b>NA</b><br>No Accessory<br><b>HL</b><br>Honeycomb Louver <sup>(7)</sup> <sup>(77)</sup><br><b>XLVR</b><br>Concentric Ring Louver <sup>(7)</sup> <sup>(78)</sup> <sup>(79)</sup><br><b>CL</b><br>Clear Glass Lens <sup>(71)</sup><br><b>SL</b><br>Softening Glass Lens <sup>(7)</sup><br><b>PD</b><br>Prismatic Diffuser <sup>(71)</sup> <sup>(80)</sup><br><b>LSN</b><br>Linear Spread Lens Narrow (1° x 40°) <sup>(7)</sup> <sup>(81)</sup> <sup>(82)</sup><br><b>LSW</b><br>Linear Spread Lens Wide (1° x 60°) <sup>(7)</sup> <sup>(82)</sup> <sup>(83)</sup><br><b>BW1</b><br>Beam Widening Lens (+10°) <sup>(7)</sup> <sup>(82)</sup><br><b>BW2</b><br>Beam Widening Lens (+20°) <sup>(7)</sup> <sup>(82)</sup><br><b>BW3</b><br>Beam Widening Lens (+30°) <sup>(7)</sup> <sup>(82)</sup> |

Notes:

4. Not available for 700 lumens. Not available for 1000 lumens when combined with 80 color rendering option.
5. Not available for DTW, DTWP, DWH, DWW or DWWP color options.
6. Not available for XN and VN optics.
7. Not available for ENERGY STAR certification.
27. Control options vary according to color temperature, color rendering, optics and installation type combination. Refer to website product configurator for details.
28. Manufacturer's choice driver. Order code may change to NO1.

29. Not available with 347V.
30. Manufacturer's choice driver. Order code may change to DAMC1 or DAMC2.
31. Not available for XN and VN optics.
32. Available up to 3000 lumens when combined with 80 color rendering option. Available up to 2000 lumens when combined with 90 or 95 color rendering options.
33. Driver cuts off power to the fixture when the control signal drops below 0.5V.
34. Manufacturer's choice driver. Order code may change to PH1 or PH2.

35. Available for 120V voltage option only.

36. Manufacturer's choice driver. Order code is subject to change.

37. Not available for 700 lumens.

38. Not available for N, NR, NFR, M, MFR, W, WFR, VW and VWFR optics when combined with 1000 lumens.

39. Not available for 5000 lumens when combined CR80.

40. One EcoSystem® address per fixture. Available for static white color temperature options and DTW, DTWP color options only.

41. Available for 3000 lumens and 4000 lumens only.

42. One EcoSystem® address per fixture. Lutron® EcoSystem® Enabled dimming not available for 1300 lumens combined with VN optic. Available for static white color temperatures only.

43. Not available for 3000 and 4000 lumens.

44. Consult factory for CA control option.

45. Requires Caseta Wireless Dimmer PRO Wall Dimmer.

46. Available for RM, NC And RMR installation types only.

47. 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.

48. Available for DWH, DWW and DWWP color options only. DALI-2 Type 8 controller required.

49. Not available for PC, IC or IC/AT installation types.

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

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

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

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

54. For ENERGY STAR certification, not available with MB, DB and DR decorative bezels when combined with RM or NC installation types or PC, IC and IC/AT installation types when combined with 90 color rendering option.

55. For ENERGY STAR certification, not available with MB, DB and DR decorative bezels when combined with RM or NC installation types.

56. For ENERGY STAR certification, not available with MB, DB and DR decorative bezels.

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

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

59. Not applicable to DR bezel option.

60. Cannot be combined with square ceiling cutout.

61. Cannot be combined with round ceiling cutout.
62. Available for 700 lumens when combined with XN optic and up to 1300 lumens when combined with VN. Available up to 2000 lumens when combined with NS, NSR, NSFR and N optics. Available up to 4000 lumens when combined with NR and NFR, M, MFR, W, WFR, VW and VWFR optics. Refer to optic option notes for color rendering limitations.

63. Available for 700 lumens when combined with XN optic. Available up to 1300 lumens when combined with VN, NS, NSR and NSFR optics. Available up to 2000 lumens when combined with N, NR, NFR, M, MFR, W, WFR, VW and VWFR optics. Refer to optic option notes for color rendering limitations.

64. Not available for 2000 lumens when combined with DTW and DTWP color options.

65. Not available for DWH, DWW or DWWP color options.

66. Remote distance is a maximum of 75 ft. For longer remote distances, please contact Lumenpulse Application Engineering Team for application validation.

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

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

69. DR bezel is recommended for outdoor canopy installations.

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

71. For ENERGY STAR certification, not available with RM or NC installation types when combined with 90 color rendering option combined and 2000 lumens.

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

73. Available for RM and NC installation types only.

74. 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.

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

76. Maximum two accessories per fixture.

77. Not available for DTW and DTWP color options.

78. Available for XN, VN and NS optics only.

79. Can be combined with PD accessory only.

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

81. Recommended for XN, VN, NS, NSR, NSFR, N, NR and NFR optics when combined with 2200K, 2700K, 3000K, 3500K, 4000K color temperature options. Nominal 10° x 40° distribution when used with the NS optic. Available for NFR optic when combined with DTW, DTWP, DWH, DWW or DWWP color options only.

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

83. Recommended for XN, VN, NS, NSR, NSFR, N, NR and NFR optics when combined with 2200K, 2700K, 3000K, 3500K, 4000K color temperature options. Nominal 10° x 60° distribution when used with the NS optic. Available for NFR optic when combined with DTW, DTWP, DWH, DWW or DWWP color options only.