

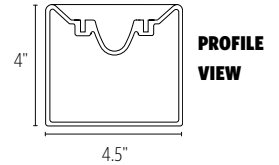


# Glowring™

## PENDANT

### FEATURES



- AVAILABLE IN 80+ CRI AND 90+ CRI
- SEAMLESS ONE-PIECE MOLDED DIFFUSER
- FULLY ENCLOSED TOP SURFACE TO MINIMIZE ACCUMULATION OF DUST AND DEBRIS
- AVAILABLE WITH METAL TRIM ON INNER DIAMETER OR OUTER DIAMETER
- FIELD REPLACEABLE LEDS AND DRIVERS
- 3 STEP LED BINNING



### CATALOG CODES

|        |                |      |          |        |              |         |     |         |         |
|--------|----------------|------|----------|--------|--------------|---------|-----|---------|---------|
| A      | B              | C    | MW       | E      | F            | UNV     | H   | I       | J       |
| SERIES | HANGING SYSTEM | SIZE | DIFFUSER | FINISH | LIGHT SOURCE | VOLTAGE | OAH | CONTROL | OPTIONS |

### SPECIFY CATALOG CODE

| A  | B   | C         | D                     | E  |
|--|---|-----------|-----------------------|--|
| SERIES   | HANGING SYSTEM  | SIZE      | DIFFUSER              | FINISH   |
| <br>GL1 GLOWRING              | <b>P1EM</b> PENDANT WITH VERTICAL AIRCRAFT CABLES TO SEPARATE MOUNTING POINTS AND POWER CORD TO CANOPY (REMOTE DRIVER)      | <b>24</b> | <b>MW</b> MATTE WHITE | <b>POWDER COAT FINISHES</b><br><b>BKP</b> BLACK<br><b>BMP</b> BRASS METALLIC<br><b>BNP</b> BRONZE<br><b>BTP</b> BLACK TEXTURED<br><b>GRP</b> GRAPHITE<br><b>GLP</b> GOLDTASTIC<br><br><b>PREMIUM METAL FINISHES</b><br><b>BAL</b> BRUSHED ALUMINUM |
|  | <b>P1DA</b> PENDANT WITH VERTICAL AIRCRAFT CABLES TO SEPARATE MOUNTING POINTS AND POWER CORD TO CANOPY WITH INTEGRAL DRIVER | <b>36</b> |                       |  |
|  | <b>P1EC</b> PENDANT WITH ANGLED AIRCRAFT CABLES AND POWER CORD TO CANOPY (REMOTE DRIVER)                                    | <b>48</b> |                       |  |
|  | <b>P1DB</b> PENDANT WITH ANGLED AIRCRAFT CABLES AND POWER CORD TO CANOPY WITH INTEGRAL DRIVER                               | <b>60</b> |                       |  |
| <br>GL2 GLOWRING OUTER TRIM |   | <b>72</b> |                       | <b>WTP</b> WHITE TEXTURED<br><br><b>NFA</b> NO FINISH AVAILABLE (GL1 WITH P1EM ONLY)   |

| F   | G  | H  | I   | J   |
|---|--|--|---|---|
| LIGHT SOURCE                                    | VOLTAGE  | OAH*   | CONTROL   | OPTIONS   |
| <b>LED OUTPUT</b><br><b>LED1</b><br><b>LED2</b> | <b>COLOR TEMP</b><br>(80+ CRI)<br><b>27K</b><br><b>30K</b><br><b>35K</b><br><b>40K</b> | <b>COLOR TEMP</b><br>(90+ CRI)<br><b>927K</b><br><b>930K</b><br><b>935K</b><br><b>940K</b> | <b>UNV</b> 120-277<br><br><b>48</b><br><br><b>100</b><br><br><b>144</b> | <b>DM1</b> 0-10V DIMMING 1%<br><b>DM3</b> LUTRON HI-LUME ECOSYSTEM 1% (LDE1)<br><br><b>ULD</b> DAMP LABEL<br><b>BIOS</b> BIOS SKYBLUE™ OR BIOS SKYBLUE™ DYNAMIC LIGHT ENGINE**<br><b>MOD</b> MODIFIED LUMINAIRE (CONTACT LOCAL REP) |

SAMPLE CODE: GL1-P1EM-36-MW-NFA-LED1/35K-UNV-48-DM1

\*For Minimum OAH, see hanging systems details. Fixture will ship with one of three standard OAH's (48", 100" or 144") field adjustable to the desired height.

\*\*Contact factory for BIOS SkyBlue® or BIOS SkyBlue® Dynamic light engine and control options.

Fixtures with P1EM hanging system, canopy will be MWP unless specified.

Fixtures with P1DA, P1EC and P1DB hanging system, canopy will match finish choice.

Power cord white unless specified.

### MODS, NOTES, & COMMENTS

### LUMENS AND WATTAGE CHART

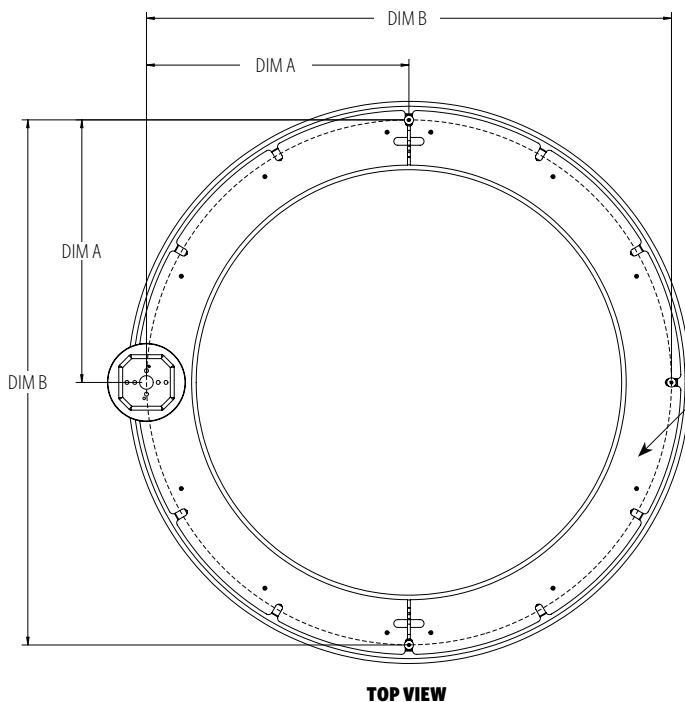
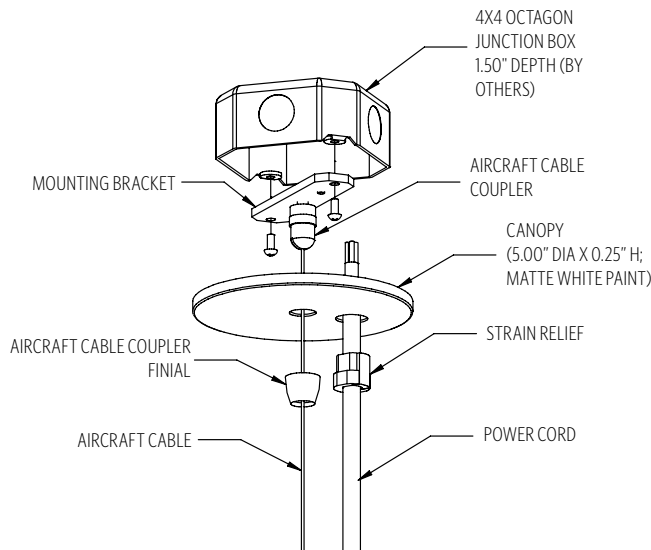
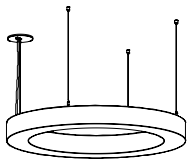
|      |                  | 24   | 36   | 48    | 60    | 72    |
|------|------------------|------|------|-------|-------|-------|
| LED1 | LUMENS DELIVERED | 3675 | 5775 | 7875  | 9975  | 12075 |
|      | SYSTEM WATTAGE   | 35   | 55   | 75    | 95    | 115   |
| LED2 | LUMENS DELIVERED | 5115 | 7905 | 10695 | 13485 | 16275 |
|      | SYSTEM WATTAGE   | 55   | 85   | 115   | 145   | 175   |

This chart was created for a 35K color temp. Multiply by 0.95 for 27k color temp, 0.97 for 30k color temp, and 1.03 for 40k color temp. Lumens delivered shown for GL1 only. GL2, and GL3 will have approx. 30% reduction.

Values shown for 80+ CRI. For 90+ CRI lumens use 0.85 multiplier.

# HANGING SYSTEM

**PIEM** PENDANT WITH VERTICAL AIRCRAFT CABLES TO SEPARATE MOUNTING POINTS AND POWER CORD TO CANOPY (REMOTE DRIVERS)

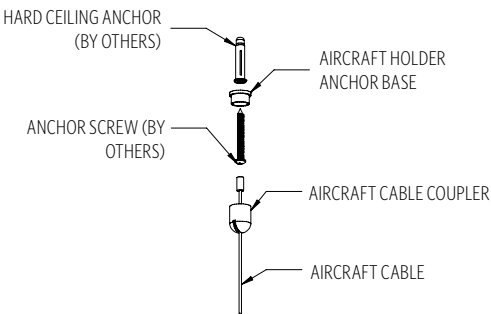


**TOP VIEW**

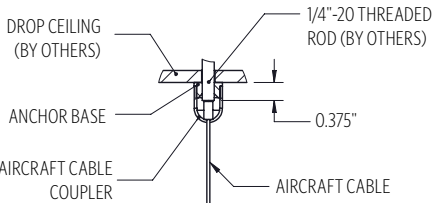
**MOUNTING INFORMATION CHART**

| LUMINAIRE DIAMETER | LUMINAIRE WEIGHT | MOUNTING DISTANCE DIM A | MOUNTING CIRCLE DIM B | MOUNTING POINTS | MIN/MAX OAH |
|--------------------|------------------|-------------------------|-----------------------|-----------------|-------------|
| 24"                | 23 LBS           | 10.67"                  | 21.34"                | 4               | 12/144"     |
| 36"                | 31 LBS           | 16.67"                  | 33.34"                | 4               | 12/144"     |
| 48"                | 41 LBS           | 22.67"                  | 45.34"                | 4               | 12/144"     |
| 60"                | 50 LBS           | 28.67"                  | 57.34"                | 4               | 12/144"     |
| 72"                | 58 LBS           | 34.67"                  | 69.34"                | 4               | 12/144"     |

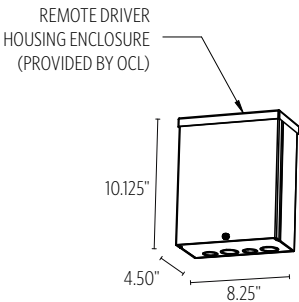
\* PIEM ships with one of three OAH's (48", 100" or 144") and is field adjustable to the desired height.  
PIEM will include ETL listed enclosure for remote mounting drivers. Max 30' distance from luminaire for DM1 and 10' max remote distance for DM3. Enclosure must remain accessible after installation.



**HARD CEILING**



**DROP CEILING**

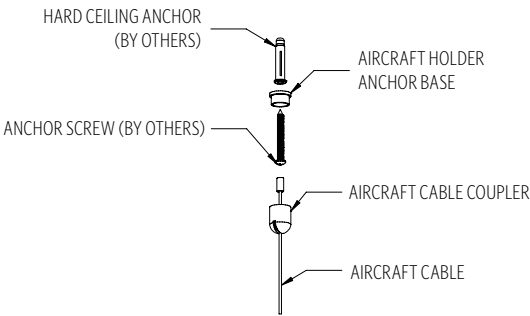
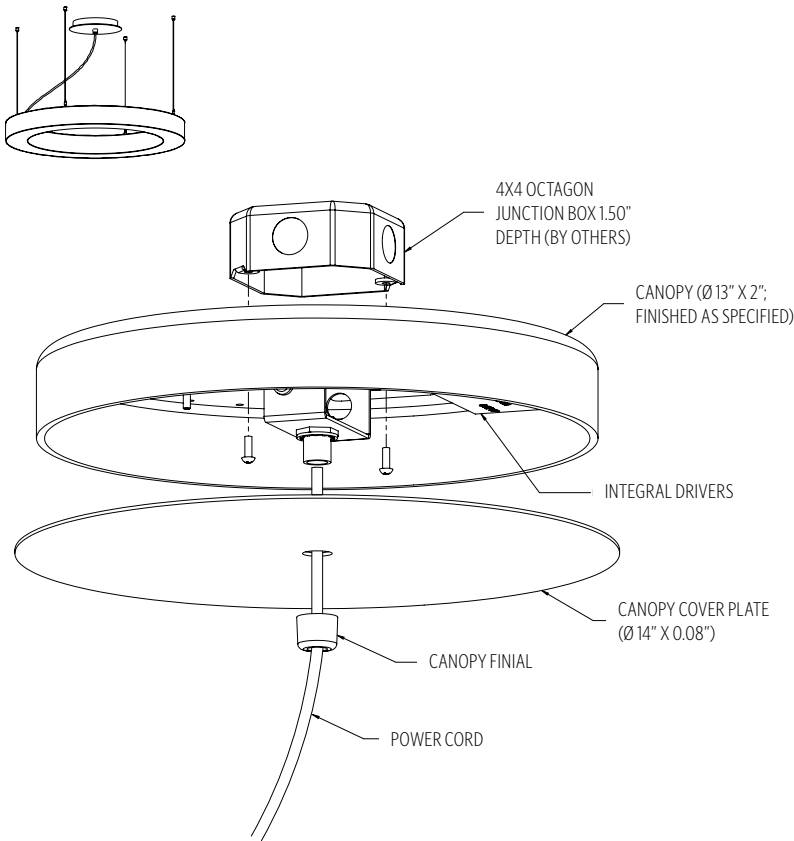


**P1DA** PENDANT WITH VERTICAL AIRCRAFT CABLES TO SEPARATE MOUNTING POINTS AND POWER CORD TO CANOPY WITH INTEGRAL DRIVER

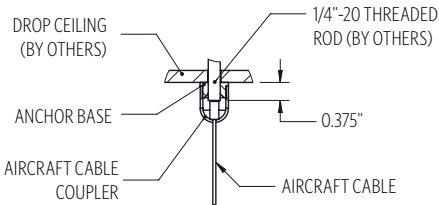
**MOUNTING INFORMATION CHART**

| LUMINAIRE DIAMETER | LUMINAIRE WEIGHT | MOUNTING DISTANCE DIM A | MOUNTING CIRCLE DIM B | MOUNTING POINTS | MIN/MAX OAH |
|--------------------|------------------|-------------------------|-----------------------|-----------------|-------------|
| 24"                | 23 LBS           | 10.67"                  | 21.34"                | 4               | 12/144"     |
| 36"                | 31 LBS           | 16.67"                  | 33.34"                | 4               | 12/144"     |
| 48"                | 41 LBS           | 22.67"                  | 45.34"                | 4               | 12/144"     |
| 60"                | 50 LBS           | 28.67"                  | 57.34"                | 4               | 12/144"     |
| 72"                | 58 LBS           | 34.67"                  | 69.34"                | 4               | 12/144"     |

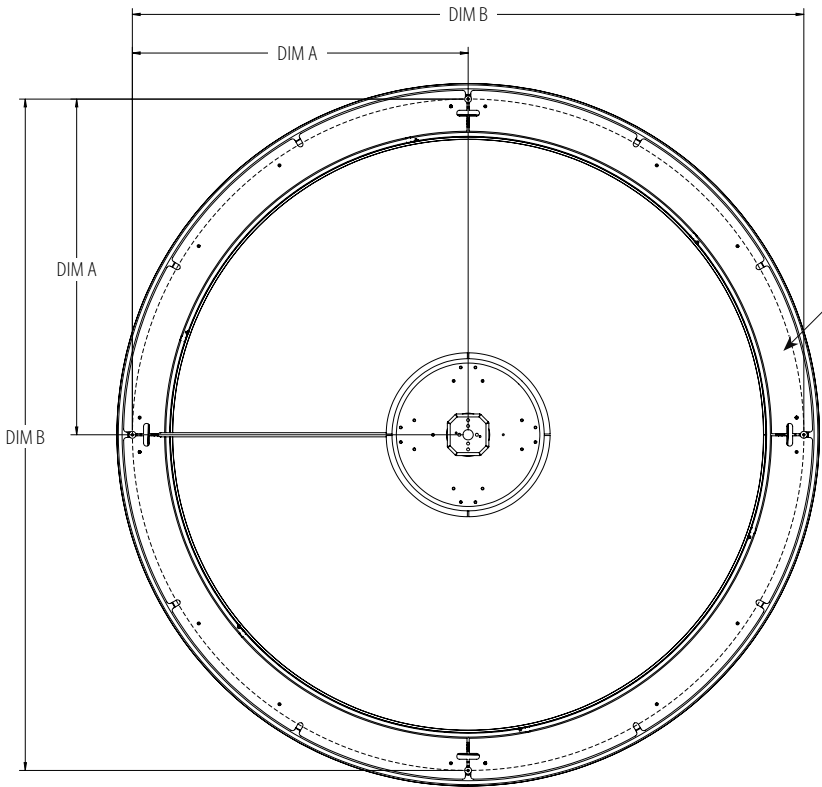
\* P1DA ships with one of three OAH's (48", 100" or 144") and is field adjustable to the desired height.



**HARD CEILING**

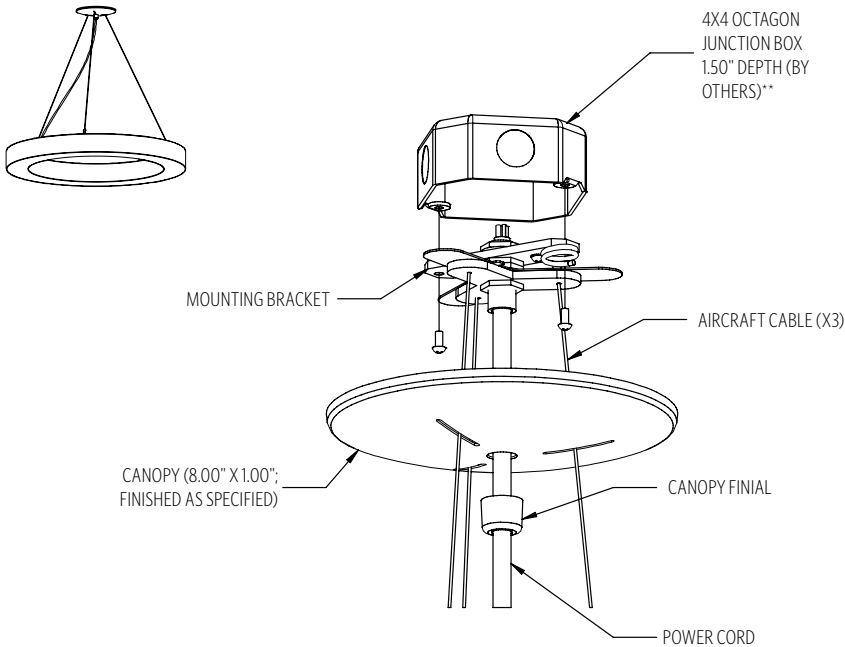


**DROP CEILING**



**TOP VIEW**

**PIEC** PENDANT WITH 3 ANGLED AIRCRAFT CABLES AND A POWER CORD  
TO CANOPY (REMOTE DRIVERS)



**MOUNTING INFORMATION CHART**

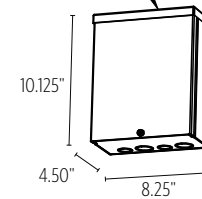
| LUMINAIRE<br>DIAMETER | LUMINAIRE<br>WEIGHT | MOUNTING<br>POINTS | MIN/MAX<br>OAH |
|-----------------------|---------------------|--------------------|----------------|
| 24"                   | 23 LBS              | 1                  | 24/144"        |
| 36"                   | 31 LBS              | 1                  | 24/144"        |
| 48"                   | 41 LBS              | 1                  | 30/144"        |
| 60"                   | 50 LBS              | 1                  | 36/144"        |
| 72"                   | 58 LBS              | 1                  | 36/144"        |

\* PIEC ships with one of three OAH's (48", 100" or 144") and is field adjustable to the desired height.

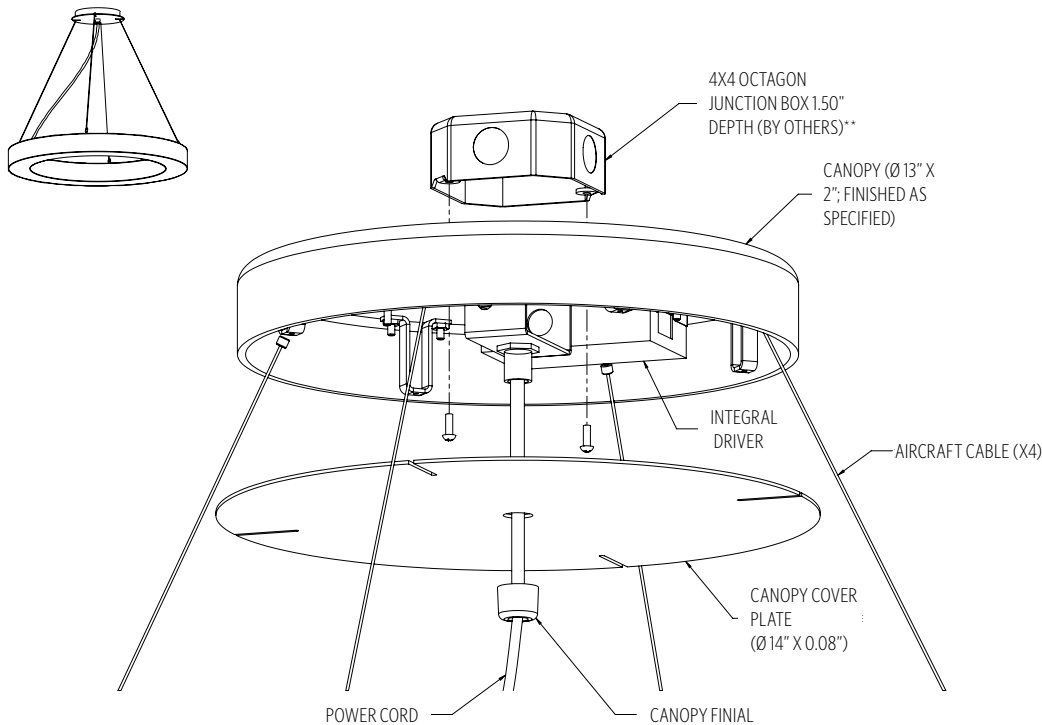
\*\*60" & 72" require structural mounting for the junction box for fixtures over 50 lbs.

PIEC will include ETL listed enclosure for remote mounting drivers. Max 30' distance from luminaire for DM1 and 10' max remote distance for DM3. Enclosure must remain accessible after installation.

REMOTE DRIVER  
HOUSING ENCLOSURE  
(PROVIDED BY OCL)



**P1DB** PENDANT WITH ANGLED AIRCRAFT CABLES AND POWER CORD  
TO CANOPY WITH INTEGRAL DRIVER



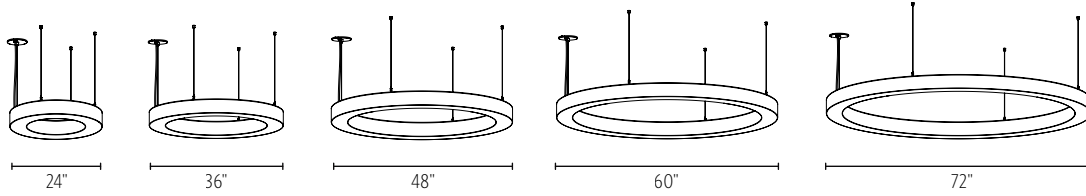
**MOUNTING INFORMATION CHART**

| LUMINAIRE<br>DIAMETER | LUMINAIRE<br>WEIGHT | MOUNTING<br>POINTS | MIN/MAX<br>OAH |
|-----------------------|---------------------|--------------------|----------------|
| 24"                   | 23 LBS              | 1                  | 24/144"        |
| 36"                   | 31 LBS              | 1                  | 24/144"        |
| 48"                   | 41 LBS              | 1                  | 30/144"        |
| 60"                   | 50 LBS              | 1                  | 36/144"        |
| 72"                   | 58 LBS              | 1                  | 36/144"        |

\* P1DB ships with one of three OAH's (48", 100" or 144") and is field adjustable to the desired height.

\*\*60" & 72" require structural mounting for the junction box for fixtures over 50 lbs.

## SIZES



## DIFFUSER

### ACRYLIC FINISHES:



**MW**  
MATTE  
WHITE

### METALLIC POWDER COAT FINISHES:



**SMP**  
SILVER



**GRP**  
GRAPHITE



**SGP**  
STEEL GRAY



**GLP**  
GOLDTASTIC



**BMP**  
BRASS



**BNP**  
BRONZE

### PREMIUM METAL FINISHES:



**BAL**  
BRUSHED  
ALUMINUM

### SOLID POWDER COAT FINISHES:



**SWP**  
SKY WHITE



**MWP**  
MATTE  
WHITE



**BKP**  
BLACK

### TEXTURED POWDER COAT FINISHES:



**BTP**  
BLACK  
TEXTURED



**WTP**  
WHITE  
TEXTURED

**RAL®, Pantone® or custom finishes are also available.**

These colors are for reference only. Please be aware that colors may vary per monitor. Contact your local rep for finish samples or with any questions.

## LIGHT SOURCE

### LUMENS AND WATTAGE CHART

|             |                  | 24   | 36   | 48    | 60    | 72    |
|-------------|------------------|------|------|-------|-------|-------|
|             |                  |      |      |       |       |       |
| <b>LED1</b> | LUMENS DELIVERED | 3675 | 5775 | 7875  | 9975  | 12075 |
|             | SYSTEM WATTAGE   | 35   | 55   | 75    | 95    | 115   |
| <b>LED2</b> | LUMENS DELIVERED | 5115 | 7905 | 10695 | 13485 | 16275 |
|             | SYSTEM WATTAGE   | 55   | 85   | 115   | 145   | 175   |

This chart was created for a 35K color temp. Multiply by 0.95 for 27k color temp, 0.97 for 30k color temp, and 1.03 for 40k color temp. Lumens delivered shown for GL1 only. GL2, and GL3 will have approx. 30% reduction.

Values shown for 80+ CRI. For 90+ CRI lumens use 0.85 multiplier.

| STANDARD COLOR TEMPERATURE OPTIONS | CRI (RA) |     |
|------------------------------------|----------|-----|
| 2700K                              | 80+      | 90+ |
| 3000K                              | 80+      | 90+ |
| 3500K                              | 80+      | 90+ |
| 4000K                              | 80+      | 90+ |

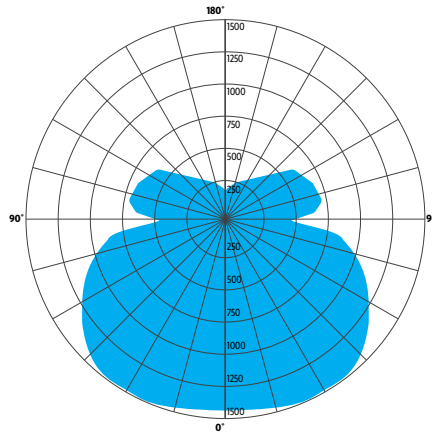
### LUMEN MAINTENANCE

|             |                    |
|-------------|--------------------|
| REPORTED:   | L70 AT >60,000 HRS |
| CALCULATED: | L70 AT 182,000 HRS |
| REPORTED:   | L90 AT 53,000 HRS  |
| CALCULATED: | L90 AT 53,000 HRS  |

Derived from EPA TM-21 calculator. Based on typical conditions. Consult the factory for additional details.

### PHOTOMETRY:

|               |                                    |
|---------------|------------------------------------|
| LUMINAIRE:    | GL1-XXXX-48-MW-PTD-LED2/35K-UNV-XS |
| COLOR TEMP #: | 3500K                              |
| OUTPUT:       | 10695                              |
| EFFICACY:     | 105 LM/W                           |
| TEST REPORT:  | TEST NO. 19440.0                   |



| ZONE   | LUMENS | % OF LUMINAIRE |
|--------|--------|----------------|
| 0-30   | 1220   | 11%            |
| 0-60   | 4370   | 41%            |
| 0-90   | 7258   | 68%            |
| 90-180 | 3441   | 32%            |

Polar graph and zonal lumens shown for GL1 (GL2 and GL3 pending).

For all available IES files, please visit our website at [ocl.com](http://ocl.com).

## CONTROL

### DM1 0-10V DIMMING 1%

- 0-10V DIMMING
- 1% MINIMUM DIM LEVEL
- ELECTRONIC DRIVER
- POWER FACTOR >0.9
- THD <20%
- MINIMUM AMBIENT OPERATING TEMPERATURE -22°F
- FIELD REPLACEABLE

### DM3 LUTRON HI-LUME ECOSYSTEM 1% (LDE1)

- LUTRON HI-LUME SOFT-ON, FADE-TO-BLACK 1%, ECOSYSTEM, LDE1
- ELECTRONIC DRIVER
- POWER FACTOR >0.9
- THD <20%
- MINIMUM AMBIENT OPERATING TEMPERATURE: -32°F
- FIELD REPLACEABLE

## OPTIONS

### ULD DAMP LABEL LUMINAIRE

- MAY BE USED IN A OUTDOOR AREA THAT IS PROTECTED FROM DIRECT CONTACT WITH WIND, RAIN, SNOW OR EXCESSIVE MOISTURE

### MOD MODIFIED LUMINAIRE

- LUMINAIRE IS MODIFIED FROM STANDARD OPTIONS; CONTACT LOCAL REP FOR MORE INFORMATION

### BIOS

- **BIOS SKYBLUE™ DYNAMIC** LIGHT ENGINE IS DIMMABLE AND FEATURES A SIMPLE APPROACH TO CIRCADIAN LIGHTING CONTROLS.
- WHEN PAIRED WITH THE BIOS BIO-DIMMING MODULE, IT OPERATES USING ANY SINGLE CHANNEL CONSTANT CURRENT (CC) LED DRIVER AND CAN BE USED WITH ANY STANDARD DIMMING INTERFACE/PROTOCOL (0-10V, ELV, DMX, WIRELESS) AND COULD WORK WITH EXISTING TWO-CHANNEL CONTROL SYSTEMS AS WELL.
- VISIT **OCL.COM/BIOS** FOR MORE INFORMATION

## SPECIFICATIONS

### CONSTRUCTION

- DIFFUSER IS MOLDED IN ONE PIECE WITHOUT VISIBLE SEAMS OR JOINTS
- LED REFLECTOR ASSEMBLY IS ANODIZED ALUMINUM
- FIXTURE BODY HAS MATTE WHITE ALUMINUM TOP COVER
- HARDWARE IS ZINC PLATED OR STAINLESS STEEL

### ELECTRICAL

- DIMMING ELECTRONIC DRIVER(S), COMES STANDARD WITH 0-10V DOWN TO 1%
- LUTRON (LDE1) ECOSYSTEM 1% ALSO AVAILABLE
- OCL PROPRIETARY LED ARRAYS USE NICHIA 757 DIODES
- 80+ CRI = 80 RA, R9 > 0 (10-15 TYP.)
- 90+ CRI = 90 RA, R9 > 50
- **FOR INTEGRAL DRIVERS:** LUMINAIRE CONNECTS TO BUILDING SUPPLY (120V-277V 50/60HZ)
- **FOR REMOTE DRIVERS:** LUMINAIRE WIRE LEADS ARE LOW-VOLTAGE. THE WIRES SHOULD BE CONNECTED TO OCL PROVIDED REMOTE DRIVER ENCLOSURE ONLY!

### LISTING

- ETL LISTED TO UL 1598 FOR INDOOR, DRY LOCATION (DAMP LOCATION OPTIONAL)

### WARRANTY

- 5 YEAR; ALL ELECTRICAL COMPONENTS RETAIN THE MANUFACTURER'S WARRANTY

### SUSTAINABILITY

- **DECLARE:** DECLARE IS AN INGREDIENT LABEL DISCLOSURE FOR BUILDING PRODUCTS THAT IS DESIGNED TO HELP SPECIFIERS QUICKLY IDENTIFY PRODUCTS THAT SUPPORT HUMAN AND ENVIRONMENTAL HEALTH. LEARN MORE AT **OCL.COM/DECLARE**
- THIS PRODUCT MEETS THE MATERIAL RESTRICTIONS OF ARTICLE 4 OF THE **ROHS** DIRECTIVE (2011/65/EU), INCLUDING COMMISSION DELEGATED DIRECTIVE 2015/863
- **BIOS** LIGHTING CONTRIBUTES TOWARD THE CIRCADIAN LIGHTING DESIGN FEATURE 54 UNDER THE **WELL BUILDING STANDARD™ V1** AND FEATURE L03 UNDER THE **WELL BUILDING STANDARD V2**

**Final assembly location**  
Where was the product made?

**Chemical ingredients**  
What is in this product?

**Red List compliance**  
Are there Red List ingredients in this product?

**Life expectancy + end of life options**  
How long will this product last + what do you do with it when you're done with it?

**VOC info**  
Does this product off-gas?

# Declare.

**Glowring, Loop**  
**OCL Architectural Lighting**

**Final Assembly:** St Louis, Missouri, USA  
**Life Expectancy:** 10 Year(s)  
**End of Life Options:** Recyclable (93), Landfill (7)

**Ingredients:**

Aluminum; Polyethylene Terephthalate; Small Electrical Component<sup>1</sup>; Brass; 1-Hexene, polymer with ethene; Steel manufacture, chemicals; Steel; Iron; Poly(imino(1,6-dioxo-1,6-hexanedyl)imino-1,6-hexanedyl); Zinc; Copper; Cobalt metal powder; Octadecanamide, N,N'-1,2-ethanedibis-; Stearic Acid; Benzenamine, 4-(1-methyl-1-phenylethyl)- N-(4-(1-methyl-1-phenylethyl)phenyl)-; Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-; octadecyl ester; Titanium dioxide; Nickel (Metallic); Unnamed Substance; Silicon; Tin; Organic; Chromium, metallic; Magnesium; Titanium; Water

<sup>1</sup>LBC Temp Exception RL-002 - Small Electrical Components

**Living Building Challenge Criteria:**

**I-13 Red List:**

☐ LBC Red List Free % Disclosed: 100% at 100ppm  
☒ LBC Red List Approved VOC Content: Not Applicable  
☐ Declared

**I-10 Interior Performance:** Not Compliant  
**I-14 Responsible Sourcing:** Not Applicable

OCL-0004  
EXP 01 OCT 2024  
Original Issue Date: 2023



MANUFACTURER CLAIMS VERIFIED BY SGS GLOBAL SERVICES  
INTERNATIONAL LIVING FUTURE INSTITUTE™ [living-future.org/declare](https://living-future.org/declare)

## DECLARE: PRODUCT TRANSPARENCY IN MANUFACTURING

Declare is the only label that combines material transparency and the Red List. It distills complex chemical ingredient information into an easy to read label. Declare helps specifiers find Red List Free products, which are healthy for people, the environment, and communities.

A product's compliance with the LBC Red List is represented on the Declare® label by the product's Declaration Status. There are three Declaration Statuses:

- **DECLARED (RLD)** products disclose 100% of ingredients present in the final product, but contain one or more Red List chemicals that are not covered by an approved exception.
- **LBC RED LIST APPROVED (RLA)** products disclose a minimum of 99% of ingredients present in the final product and meet the LBC Red List Imperative requirements through one or more approved exceptions.
- **LBC RED LIST FREE (RLF)** products disclose 100% of ingredients present at or above 100 ppm (0.01%) in the final product and do not contain any Red List chemicals.

Need more information? Visit [ocl.com/declare](https://ocl.com/declare) to learn more..

## COMMON MODIFICATIONS

### WE'RE BUILT FOR OUT-OF-THE-BOX THINKERS.

Nearly 50% of OCL fixtures we manufacture have some type of modification. Here is a list of common modifications we frequently produce. **Please contact the factory for modifications specific to your fixture or project.**

Need some help? Simply send your questions to us at [OCLQuotes@ocl.com](mailto:OCLQuotes@ocl.com)

- BIOS, TUNABLE WHITE, WARM-DIM, & RGBW LIGHT SOURCES
- SPECIFIC LUMEN OUTPUT
- MODIFIED CLUSTERS OR CONFIGURATIONS / MULTI-DROP CANOPIES
- VARIOUS SHAPES, ARCS, AND CURVES FOR LINEAR PROFILES AND RINGS
- CEILING OR SURFACE MOUNTING
- LARGE SCALE MODIFICATIONS
- RAL, PANTONE, BRAND-SPECIFIC, RETIRED OCL COLOR, OR CUSTOM FINISHES



- EMERGENCY BATTERY BACKUP OR INVERTER OPTIONS
- REMOTE DRIVERS / EXTENDED DISTANCE REMOTE DRIVERS
- DIMMING TO 0.1% (DIM TO DARK)
- NON-STANDARD SIZES OR LENGTHS
- NON-STANDARD CANOPY, BODY AND/OR CORD COLORS
- SEISMIC AND/OR ANTI-SWAY SYSTEMS
- RIGID STEMS
- MODIFIED OVERALL HEIGHTS (LONGER OR SHORTER OAH)
- UPLIGHT ADDITIONS
- LASER ETCHING, ENGRAVING, AND CUTOUTS

The drawings and specifications and ideas, designs and arrangements represented on these drawings are and shall remain the property of The Original Cast Lighting (OCL Architectural Lighting) and no part thereof shall be copied, disclosed, to others or used in conjunction with any work or project other than the specified project for which they have been prepared and developed, without written consent of OCL. Visual contact with these plans or specifications shall constitute conclusive evidence of acceptance of these restrictions. All specifications and information subject to change without notice.