



|              |         |
|--------------|---------|
| CONTRACTOR:  |         |
| PROJECT:     | DATE:   |
| PREPARED BY: | MODEL#: |

## SERIES SPECIFICATIONS



### CLY3

#### 3" Round Low Profile LED Down Light

The CLY series features an ultra low-profile design at a value contractors need. The detachable junction box allows for more freedom of installation during remodels and new construction.



## CONSTRUCTION

### Intended use:

The CLY series is ideal for applications with restricted plenum access, as the low profile design and detachable junction box allow for installation with only 3.5" of clearance.

### Construction:

Steel detachable junction box for flexible installation. Durable aluminum housing and trim.

### Optics:

Precision-molded polycarbonate lenses are engineered for superior light area distribution. The CLY3 series has a beam spread of 100°.

### Electrical:

70% lumen maintenance at >40,000 hours. Long-life LEDs, coupled with high-efficiency drivers, provide extended service life. The CLY3 delivers up to 56 lumens per watt. Driver disconnect is provided to comply with U.S. and Canadian codes. Thermally protected driver standard.

### Dimming:

LED drivers delivers smooth continuous dimming.

### Installation:

Remote driver allows for an easy installation to stud while the spring loaded clips in the fixture allow for quick installation while pulling the fixture flush to the mounting hole.

### Listings:

ETL listed to US and Canadian safety standards. Wet location listed. IC Rated. For use in ambient operating temperatures ranging from -30°C to 105°C.

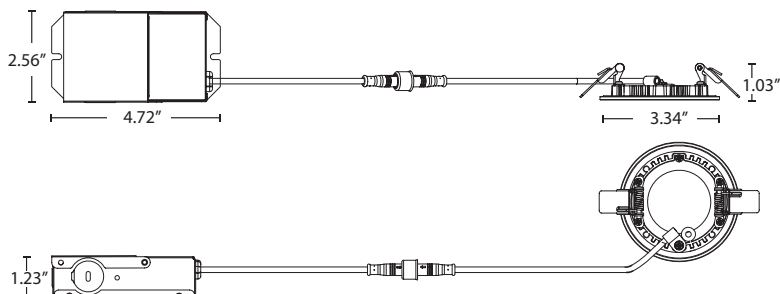
### Warranty:

5-year limited warranty.

**NOTE:** Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

## LINE DRAWING

Ceiling Opening:  $\varnothing$  2 7/8" (72mm)





|              |         |
|--------------|---------|
| CONTRACTOR:  |         |
| PROJECT:     | DATE:   |
| PREPARED BY: | MODEL#: |

## ORDERING INFORMATION

EXAMPLE: CLY3-30K/BK

| SERIES | SIZE       | COLOR TEMP.           | COLOR           |
|--------|------------|-----------------------|-----------------|
| CLY    | [ 3 ] : 3" | [ -27 ] : 80CRI 2700K | [ /WH ] : WHITE |
|        |            | [ -30 ] : 80CRI 3000K |                 |
|        |            | [ -40 ] : 80CRI 4000K |                 |
|        |            | [ -50 ] : 80CRI 5000K |                 |

## PERFORMANCE SPECIFICATIONS

| SERIES | LUMENS | LPW | MAX WATTAGE | AMPS @ 120V |
|--------|--------|-----|-------------|-------------|
| CLY3   | 420    | 56  | 7.5         | 0.072       |

### General Driver Information

|                                  |  |                 |
|----------------------------------|--|-----------------|
| ELECTRICAL SPECIFICATIONS        |  | 7.5 W           |
| <b>Input</b>                     |  |                 |
| Input Voltage (VAC)              |  | 120V            |
| Frequency Range (Hz)             |  | 60 Hz (+/- 10%) |
|                                  |  | <b>120V</b>     |
| Input Current Max (A) Per Driver |  | 0.61            |
| THD @ Full Load                  |  | < 20%           |
| Efficiency @ Full Load           |  | > 80%           |
| Power Factor @ Full Load         |  | > 0.9           |
| <b>Output</b>                    |  |                 |
| Output Voltage (VDC)             |  | 36-42VDC        |
| Output Current (mA) Per Driver   |  | 180mA           |



## POLAR GRAPH

## LUMINAIRE CLASSIFICATION GRAPH

The graph shows the beam spread and illuminance of the luminaire. The radial scale represents illuminance in foot-candles (fc) with markings at 25, 50, 75, and 100. The concentric circles represent beam diameters in feet with markings at 30, 60, and 100. The angular scale represents beam spread in degrees with markings at 30, 60, 90, and 100. The graph is divided into four quadrants: Uplight (top), Front (right), Back (left), and a fourth unlabeled quadrant (bottom). The 'Luminaire' is represented by a green shaded area in the Front quadrant, extending from 0 to 30 degrees and reaching an illuminance of 100 fc. The 'Luminaire' is also represented by a blue shaded area in the Back quadrant, extending from 30 to 60 degrees and reaching an illuminance of 100 fc.

## ISOCANDELA PLOT

Figure 10 is a graph titled "ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE". The vertical axis represents illuminance in footcandles, with markings at 0, 1, 2, and 3. The horizontal axis represents distance in feet, with markings at 0, 12, 25, 37, 45, and 67. The graph shows three sets of concentric semi-circular lines representing illuminance levels of 1, 2, and 3 footcandles. The lines are labeled "House Side" and "Street Side". The 1 footcandle line is the outermost, followed by the 2 footcandle line, and then the 3 footcandle line. The lines are centered at a distance of 0 feet from the vertical axis.

Distance In Units Of Mounting Height  
Values Based On 10 Foot Mounting Height  
1/2 Maximum Candela Trace Shown As Dashed Curve  
(+) = Maximum Candela Point