



# POLYGON BEYOND

## RPDO2 | SUSPENDED PENDANT

DESIGN BY  
**NEIDHARDT**

### STANDARD SIZES

Hexagonal & Octagonal Shapes  
6L: 46-107 inches, 8L: 62-146 inches

### LAMPING

LED - 90+ CRI - 2700K/3000K/3500K/4000K  
Output Options: Standard/RGB/RGB+W  
Dimming down to 0%

### FINISH

Brushed Aluminum, White, Black, Silver, Brass, RAL Classic Colors

### CONSTRUCTION

Industrial Strength Extruded Aluminum





## PRODUCT SUBMITTAL WORKSHEET

### SAMPLE PRODUCT CODE

RPD02-6L – 107 – 3500 – 0/10V/0% – BK – UNV – EMB  
1 2 3 4 5 6 7

#### 1. BASE MODEL (CHOOSE ONE)

- RPD02-6L** Hexagonal Pendant (6 sides)  
 **RPD02-8L** Octagonal Pendant (8 sides)

#### 2. NOMINAL SIZE (CHOOSE ONE)

##### Hexagonal

- 46** 6 sides, 46" outer diameter  
 **66** 6 sides, 66" outer diameter  
 **86** 6 sides, 86" outer diameter  
 **107** 6 sides, 107" outer diameter

##### Octagonal

- 62** 8 sides, 62" outer diameter  
 **90** 8 sides, 90" outer diameter  
 **118** 8 sides, 118" outer diameter  
 **146** 8 sides, 146" outer diameter


#### 3. LED LAMPING (CHOOSE ONE – APPROX. 700 LUMENS / 9 WATTS PER LINEAR FOOT FOR WHITE LED)

- 2700** 2700K (very warm)  
 **3000** 3000K (warm)  
 **3500** 3500K (slightly warm)  
 **4000** 4000K (neutral)  
 **RGB** Red, Green, and Blue LED  
 **RGBW** Red, Green, Blue, and White (4000K) LED

#### 4. REMOTE DRIVER (CHOOSE ONE)

- 0/10V/S** 0-10V dimming down to 10% (Standard Dimming)  
 **0/10V/1%** 0-10V dimming down to 1%  
 **0/10V/0%** 0-10V premium dimming down to 0%  
 **DMX** DMX flicker-free dimming down to 0% (Recommended for RGB or RGBW lamping)  
 **ECOSYS1** Lutron Hi-Lume 1% EcoSystem, constant current or constant voltage  
 **LTEA** Lutron Hi-Lume 1% 2-wire TRIAC dimming (120V forward-phase only), constant current or constant voltage

#### 5. FINISH (CHOOSE ONE)

- BAL** Brushed Aluminum  
 **BK** Black Powder Coat  
 **BRS** Brass Metallic Powder Coat  
 **SV** Silver Powder Coat  
 **WH** White Powder Coat  
 **WH/AM**  White Antimicrobial Powder Coat (for healthcare environments)  
 **RAL\_\_\_\_\_** Specify RAL Classic Color code (ex: RAL3003) [ralcolorchart.com/ral-classic](http://ralcolorchart.com/ral-classic)

#### 6. VOLTAGE

- UNV** Universal Voltage (120VAC-277VAC)

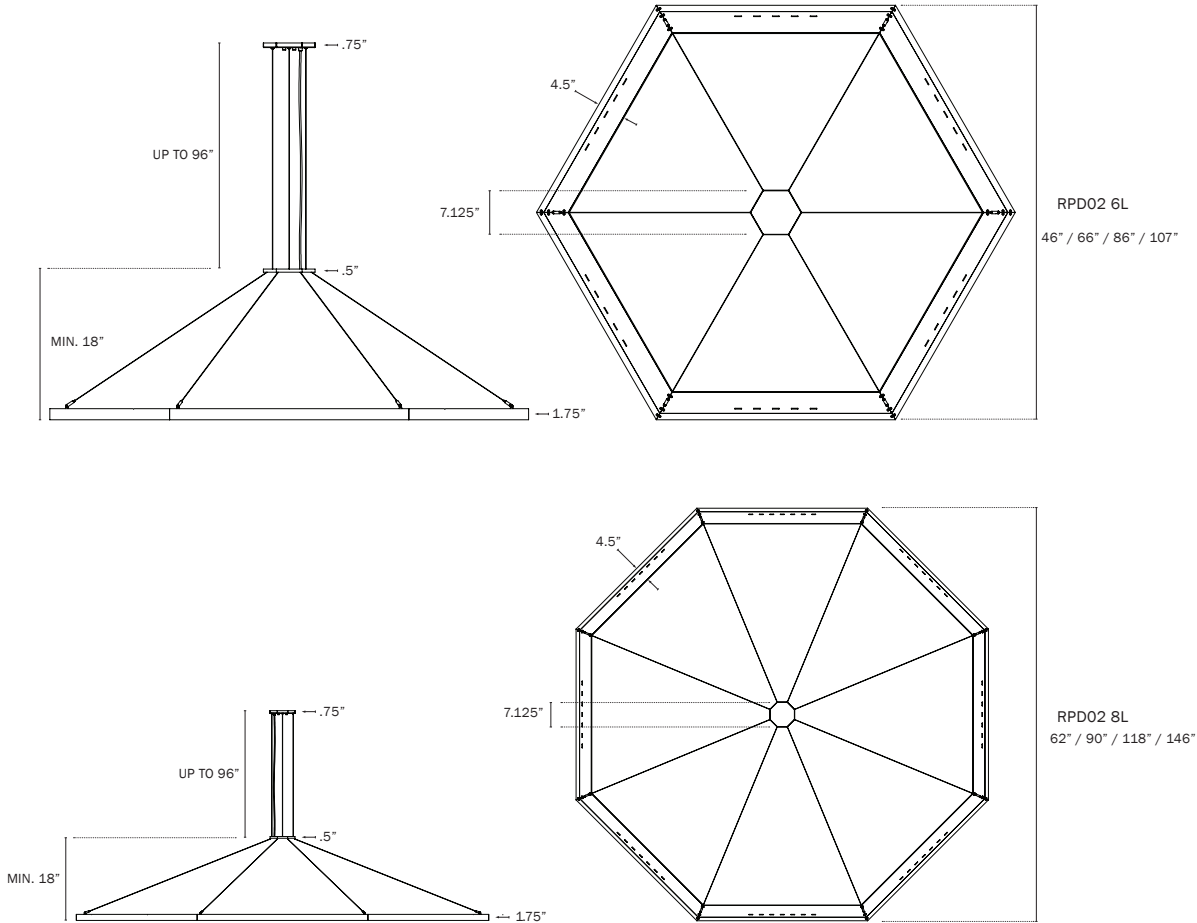
#### 7. EMERGENCY OPTIONS (OPTIONAL)

- EMB** Emergency Battery Pack

SS110618-A.0



## MECHANICAL DIAGRAMS



## POLYGON BEYOND VOLTAGE DROP CHART FOR REMOTE DRIVERS – 24VDC

For best performance, ensure proper wire gauge is installed between the remote LED driver and canopy that is dropping power to your fixture. This chart only applies to RPD02 at 24VDC and 0/10V drivers. Do not use this chart to calculate voltage drop for other fixtures.

WIRE GAUGE	6L-46 100W	6L-66 81W (x2)	6L-86 69W (x3)	6L-107 89W (x3)	8L-62 69W (x2)	8L-90 72W (x3)	8L-118 93W (x3)	8L-146 88W (x4)
18 AWG	5 ft.	8 ft.	11 ft.	7 ft.	11 ft.	10 ft.	6 ft.	7 ft.
16 AWG	13 ft.	18 ft.	23 ft.	16 ft.	23 ft.	21 ft.	15 ft.	16 ft.
14 AWG	26 ft.	34 ft.	41 ft.	30 ft.	41 ft.	39 ft.	28 ft.	30 ft.
12 AWG	46 ft.	59 ft.	70 ft.	53 ft.	70 ft.	67 ft.	50 ft.	53 ft.
10 AWG	78 ft.	98 ft.	117 ft.	89 ft.	117 ft.	112 ft.	85 ft.	90 ft.



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## ADDITIONAL OPTIONS & SPECIFICATIONS

### LENS

Extra diffused opal acrylic lens (LENS).

### HOUSING

100% recyclable, extruded architectural grade aluminum

### SAFETY & REGULATORY

ETL Listed (U.S. & Canada). Suitable for dry locations only.  
Conforms to UL std. 2108, Low Voltage Luminaires / Low Voltage Lighting Systems.  
Certified to CSA std. C22.2#250.0:2008 Ed. 3+G1;G2.

### OPERATING TEMPERATURE

Luminaire should be installed and operated ONLY in environments where the ambient temperature ranges from -4 °F to 122 °F ( -20 °C to 50 °C). Luminaire operation in environments outside the listed temperature range voids the warranty AND may damage the product or adversely impact lamp life, lumen output and color consistency.

### FINISH



**Brushed Aluminum**



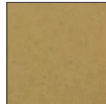
**White\***



**Black**



**Silver**



**Brass**



**RAL Classic**

\*For healthcare environments, a white antimicrobial finish (WH/AM) is also available.