POLYGON BEYOND
RPD02 | SUSPENDED PENDANT

STANDARD SIZES
Hexagonal & Octagonal Shapes
6L: 45-108 inches, 8L: 62-146 inches

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

FINISH
18 standard finishes available at no extra charge
RAL classic colors, TCI / Tiger Drylac catalog colors, and custom color
match also available

CONSTRUCTION
Industrial Strength Extruded Aluminum

Intertek
ETL Listed
2108

![ALW logo]

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, 45" outer diameter
☐	**66**	6 sides, 68" outer diameter
☐	**86**	6 sides, 85" outer diameter
☐	**107**	6 sides, 108" 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)

☐	**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 (3500K) LED

RAW LUMENS PER LINEAR FOOT	SYSTEM WATTS PER LINEAR FOOT
700 LM/FT (WHITE)	9 W/FT (WHITE)

4. REMOTE DRIVER (CHOOSE ONE .STD & RGB(W) TABLE INDICATES COMPATIBLE LED LAMPING)

		STD	RGB(W)	
☐	**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%
☐	**ECOSYS1**	●		(L3DA) Lutron Hi-lume 1% EcoSystem 24V LED Driver
☐	**LTEA**	●		Lutron Hi-lume 1% 2-wire TRIAC dimming (120V forward-phase only), constant voltage
☐	**DMX**	●	●	DMX flicker-free dimming down to 0%

Driver specifications provided upon request.

ALW

5. FINISH (CHOOSE ONE. SEE PAGE 5 FOR LARGER SWATCHES AND ADDITIONAL INFORMATION)

STANDARD FINISHES

ALUMINUM

☐ **BA**　　Brushed Aluminum

BASIC POWDER COAT

☐ **GW**　☐ Gloss White
☐ **SW**　☐ Satin White
☐ **AW**　☐ Antimicrobial Satin White
☐ **TW**　　Textured Matte White
☐ **TB**　　Textured Matte Black

METALLIC POWDER COAT

☐ **SG**　　Silver Gray
☐ **CG**　　Charcoal Gray
☐ **CU**　　Copper
☐ **BR**　　Brass

SATIN ANODIZED EFFECT POWDER COAT

☐ **CS**　　Clear Silver
☐ **OB**　　Oil-Rubbed Bronze
☐ **DB**　　Dark Bronze
☐ **SB**　　Satin Black

GLOSS POWDER COAT (80-95% GLOSS)

☐ **GO**　　Orange (RAL 2003)
☐ **GR**　　Red (RAL 3020)
☐ **GM**　　Magenta (RAL 4010)
☐ **GB**　　Blue (RAL 5015)

SPECIAL ORDER FINISHES

☐ **RAL____**　Specify RAL Classic Color (Ex: RAL 3003) - Most RAL Colors are available for powder coat. See www.alwusa.com/finishes
☐ **CAT____**　Specify Catalog Colors - Specify colors from the Tiger Drylac and TCI catalogs
☐ **CCM____**　Custom Color Match - Specify a custom powder coat color match

6. VOLTAGE

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

7. EMERGENCY OPTIONS (OPTIONAL)

☐ **EMB**　　Emergency Battery Pack

MECHANICAL DIAGRAMS

.75"

UP TO 96"

.5"

MIN. 18"

1.75"

4.5"

7.125"

RPD02 6L
45" / 68" / 85" / 108"

.75"

UP TO 96"

.5"

MIN. 18"

1.75"

4.5"

7.125"

RPD02 8L
62" / 90" / 118" / 146"

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.
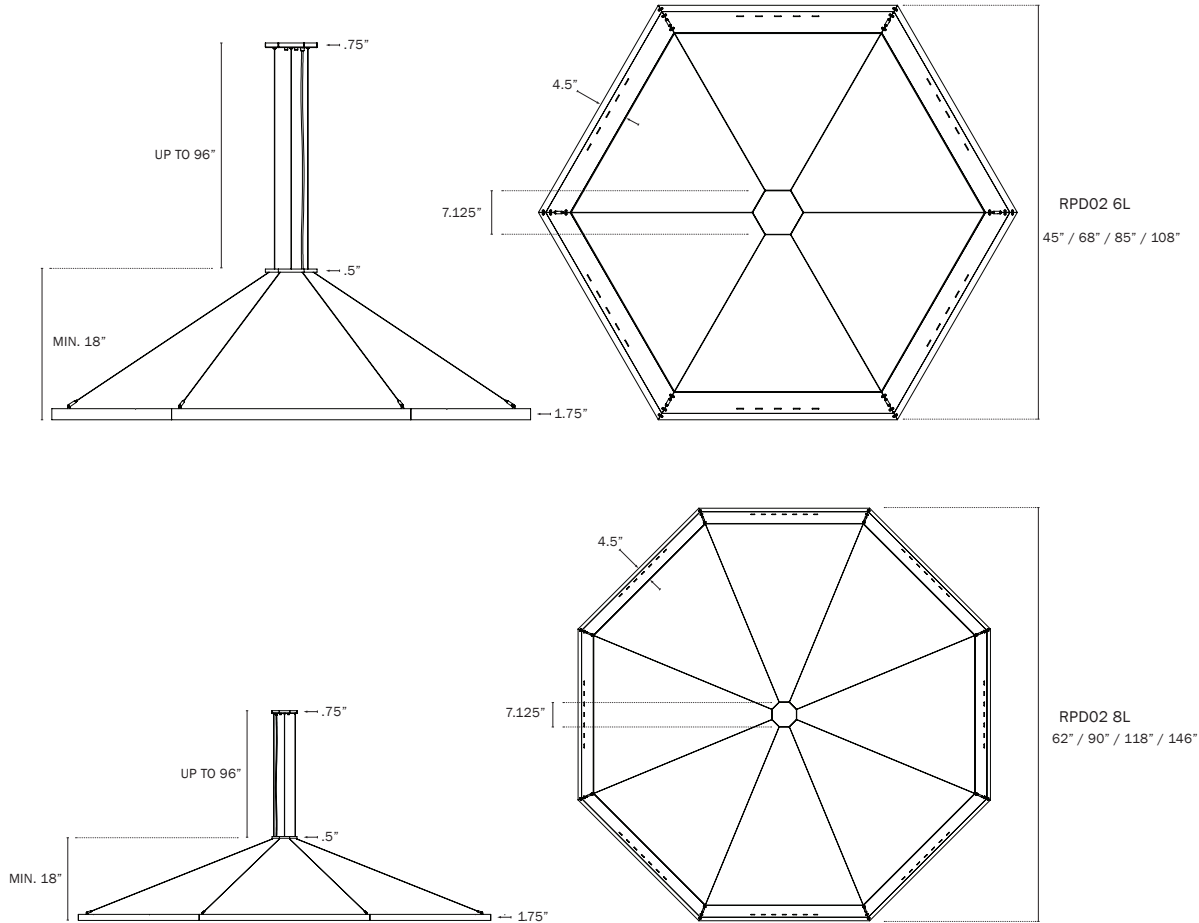
WIRE GAUGE	6L-46 100W	6L-66 81W (x2)	6L-86 69W (x3)	6L-107 89W (x3)	8L-62 69W (x2)	8L-90 72W (x3)	8L-118 93W (x3)	8L-146 88W (x4)
18 AWG	5 ft.	8 ft.	11 ft.	7 ft.	11 ft.	10 ft.	6 ft.	7 ft.
16 AWG	13 ft.	18 ft.	23 ft.	16 ft.	23 ft.	21 ft.	15 ft.	16 ft.
14 AWG	26 ft.	34 ft.	41 ft.	30 ft.	41 ft.	39 ft.	28 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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STANDARD FINISHES

Standard finishes are available at no additional charge.

ALUMINUM

BA

Brushed
Aluminum

BASIC POWDER COAT

GW	SW	AW ⚕	TW	TB
Gloss White	Satin White	Antimicrobial Satin White	Textured Matte White	Textured Matte Black

METALLIC POWDER COAT

SG	CG	CU	BR
Silver Gray	Charcoal Gray	Copper	Brass

SATIN ANODIZED EFFECT POWDER COAT

CS	OB	DB	SB
Clear Silver	Oil-Rubbed Bronze	Dark Bronze	Satin Black

GLOSS POWDER COAT (80-95% GLOSS)

GO	GR	GM	GB
Orange RAL 2003	Red RAL 3020	Magenta RAL 4010	Blue RAL 5015

SPECIAL ORDER FINISHES*

RAL CLASSIC COLORS (80-95% GLOSS): RAL_ _ _ _
Most RAL Classic Colors are available for a minimum setup fee. On your specification submittal choose your RAL color by entering the 4-digit RAL code (Ex: RAL 3003).
See www.alwusa.com/finishes

CATALOG COLORS: CAT_ _ _ _
The complete range of powder coat colors from Tiger Drylac and TCI catalogs are available for a minimum setup fee. Consult ALW for a catalog color you would like to specify.
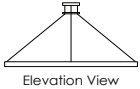
CUSTOM COLOR MATCH: CCM_ _ _ _
Custom powder coat color matching is available for a premium setup fee. Consult ALW for additional information.

*An individual setup fee will apply to each unique Special Order Finish per purchase order.
 (ex: RAL 5023 and RAL 2008 are specified for multiple line items on a purchase order. 2x setup fees will apply)

MOUNTING DIAGRAM

Elevation View

Central Collared Suspension (CCS)
(1) White central axis canopy and
(1) Collared ring that all aircraft cables and power feeds route through. Shape of collar matches the specified body shape and color matches specified body finish.

POWER CABLES

Power cables come standard in a transparent sheathing to match steel aircraft suspension cables. Please contact customer support if custom cables are required for your application. Power cables cannot be swapped in the field as it will void the ETL Safety Listing and Product Warranty.

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.

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