



MOONDISH

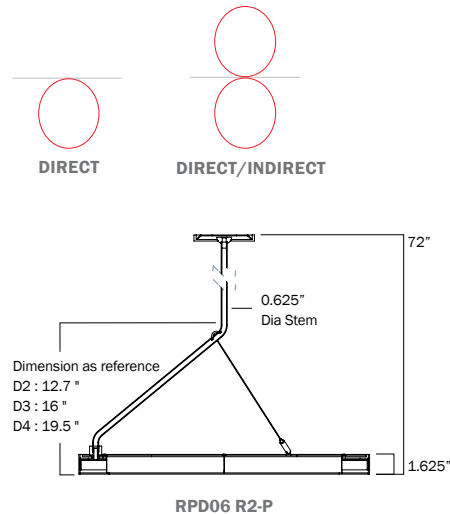
RPD06/R2 | SUSPENDED, SURFACE



SPECIFICATIONS

PROFILE	Extruded Aluminum Frame
SIZES	Ring diameters of 2, 3, or 4 feet
CCT/CRI	2700K/3000K/3500K/4000K • 90+ CRI
DIMMING/ DRIVER	Remote Driver: 0-10V, DMX, eldoLED, Lutron® Dimming to 0% for select models.
POWER	57W - 104W per ring
INPUT	120VAC, 277VAC
OPTICS	Sandblasted clear lexan lens
FINISHES	17 powder coat finishes Custom finishes also available
MATERIAL	Extruded architectural grade aluminum
ENVIRONMENT	Dry or damp locations

DISTRIBUTIONS & PROFILES



Not to scale. Dimensions are nominal. Consult factory for CAD drawing



*Safety and Performance information available on last page. Weights and other specifications available on page 5.

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PRODUCT SPECIFICATION SHEET

1	2	3	4	5	6	7	8	9
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EXAMPLE: RPD06-R2P — D2 — 2700 — ECOSYS1 — LENS — BA — SW — UNV — EMB

1. BASE MODEL (CHOOSE 1)	2. SIZE (CHOOSE 1)	3. LED LAMPING (CHOOSE 1)	4. REMOTE DRIVER (CHOOSE 1)
RPD06-R2P Ceiling Pendant	D2 (1547 lm) 2' (24") outer diameter	2700	0/10V/0% (0-10V, dim to 0%)
RPD06-R2S Ceiling or Wall Surface Mount	D3 (2312 lm) 3' (36") outer diameter	3000	0/10V/1% (0-10V, dim to 1%)
	D4 (3201 lm) 4' (48") outer diameter	3500	0/10V/S (0-10V, dim to 10%)
		4000	ECOSYS1 (Lutron ECOSYS1, 0-10V, dim to 0%)
		RGB	DMX (DMX, dim to 0%)
		RGBW	

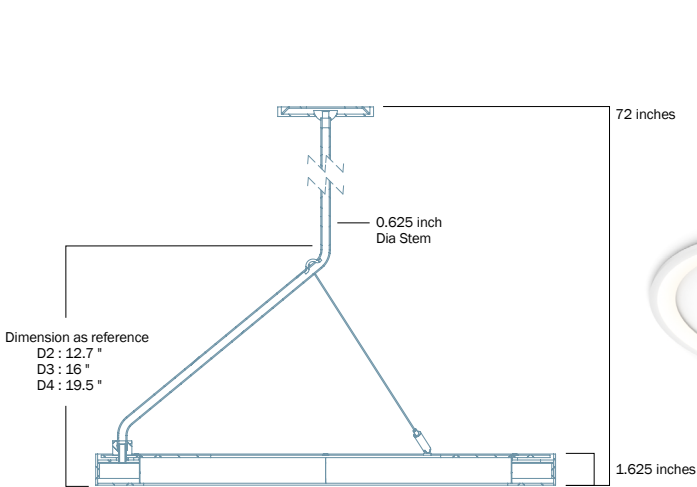
5. LENS	6. EXTERIOR FINISH* (CHOOSE 1 FOR EACH)	7. INTERIOR FINISH* (CHOOSE 1 FOR EACH)	8. VOLTAGE
LENS Sandblasted clear lexan lens	STANDARD FINISHES SW <input type="checkbox"/> Satin White SB <input checked="" type="checkbox"/> Satin Black AS <input type="checkbox"/> Aluminum Silver Anodized Effect TB <input checked="" type="checkbox"/> Textured Black BA <input type="checkbox"/> Brushed Aluminum PREMIUM FINISHES --- See chart on page 4 for premium finishes. Manually type in the finish code (Ex: OB = Oil-Rubbed Bronze) SPECIAL ORDER FINISHES* RAL_____ Specify RAL Classic Color (Ex: RAL 3003) CCM_____ Custom Color Match <small>*Manually type in the finish code for special order finishes types</small>	STANDARD FINISHES SW <input type="checkbox"/> Satin White SB <input checked="" type="checkbox"/> Satin Black AS <input type="checkbox"/> Aluminum Silver Anodized Effect TB <input checked="" type="checkbox"/> Textured Black BA <input type="checkbox"/> Brushed Aluminum PREMIUM FINISHES --- See chart on page 4 for premium finishes. Manually type in the finish code (Ex: OB = Oil-Rubbed Bronze) SPECIAL ORDER FINISHES* RAL_____ Specify RAL Classic Color (Ex: RAL 3003) CCM_____ Custom Color Match <small>*Manually type in the finish code for special order finishes types</small>	UNV Universal Voltage (120VAC-277VAC)

9. EMERGENCY OPTIONS (OPTIONAL)
EMB Emergency Battery

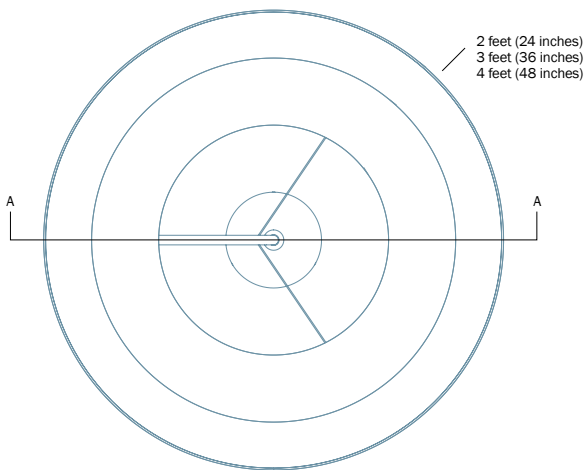
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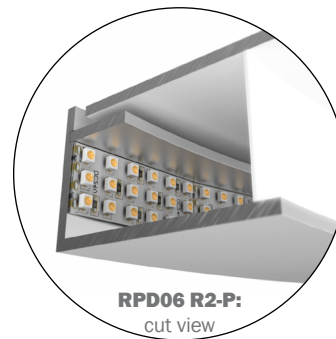
MECHANICAL DIAGRAMS



RPD06 R2-P:
Section A-A side cut view



RPD06 R2-P:
bottom view



LEDs: High performance LED boards shine thru a sandblasted clear lexan lens for perfect illumination.

CABLE: One aircraft cable loops round the stem to two swivel griplock grippers on the fixture

INTERIOR & EXTERIOR SURFACES:
The inside surfaces can have a color difference than the exterior surfaces.

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FINISHES

Standard finishes are available at no additional charge.

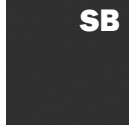
STANDARD FINISHES



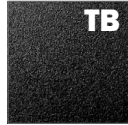
Satin
White



Aluminum Silver
Anodized Effect



Satin
Black



Textured
Black



Brushed
Aluminum

PREMIUM FINISHES

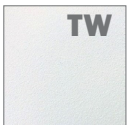
BASIC POWDER COAT



Gloss
White



Antimicrobial
Gloss White

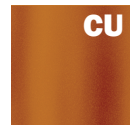


Textured
Matte
White

METALLIC POWDER COAT



Charcoal
Gray



Copper



Brass

SATIN ANODIZED EFFECT POWDER COAT



Oil-Rubbed
Bronze



Dark
Bronze

GLOSS POWDER COAT (80-95% GLOSS)



Orange
RAL 2003



Red
RAL 3020



Magenta
RAL 4010



Blue
RAL 5015

Contact ALW Quotes for sample paint finish swatches.

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.alw-inc.com/resources/finishes



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)

*Printed or on-screen colors are only approximations - consult actual Color Chip Set before specifying



PERFORMANCE DETAILS - RPD06¹

SIZE	DELIVERED LUMENS (LM) ²	WATTS (W) ²	APPROX.WEIGHT (LBS)
D2 (RPD06)	1547	57	10
D3 (RPD06)	2312	85	15
D4 (RPD06)	3201	104	20

¹Performance calculations are based on LM-79 test of D4 ring output at 90 CRI and 3100K. D2 and D3 calculations are extrapolated values.

²Lumens/Watt and Watts/ft have been calculated assuming a driver efficiency of 85%. Depending on field conditions, actual measured values may fluctuate by 5-8%.

MOONDISH 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 RPD06/R2 at 24VDC. Do not use this chart to calculate voltage drop for other fixtures. Estimated 9 Watts per linear foot (W/lf) for White LEDs, and 5 W/lf for RGB/RGBW LEDs.

WIRE GAUGE	D2 (White) 57W	D2 (RGB/W) 32W	D3 (White) 85W	D3 (RGB/W) 48W	D4 (White) 52W (x2)	D4 (RGB/W) 29W (x2)
18 AWG	50 ft.	34 ft.	35 ft.	20 ft.	25 ft.	38 ft.
16 AWG	85 ft.	59 ft.	55 ft.	36 ft.	40 ft.	66 ft.
14 AWG	130 ft.	98 ft.	90 ft.	63 ft.	65 ft.	109 ft.
12 AWG	210 ft.	162 ft.	140 ft.	105 ft.	105 ft.	179 ft.
10 AWG	335 ft.	262 ft.	220 ft.	172 ft.	170 ft.	290 ft.



DRIVERS

PRODUCT CODE	DESCRIPTION
0/10V/0	0-10V dimming down to 0% (dim to off).
0/10V/1%	0-10V dimming down to 1%.
0/10V/S	0-10v dimming down to 10%
ECOSYS1	(LDE1) Lutron Hi-lume 0% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology.
DMX	DMX flicker-free dimming down to 0%.

*Most drivers can be programmed to specific dimming levels if desired. Contact ALW for specific dimming level requests.

ALW lighting fixtures are intended for use with a wide range of sensors, lighting controls, LED drivers, and building management systems. If there are specific components required for your application that aren't listed on this spec sheet, please contact ALW customer support today to specify a compatible solution of your choice.

DRIVER/LED LAMPING COMPATIBILITY						
	STD	TUNE	RGB	RGB(W)	CA TITLE 24 JA8/JA10 ³	IEEE P1789 & HD TV STUDIO ^{*4}
0/10V/0	●	●			●	
0/10V/1%	●	●			●	
0/10V/S	●	●			●	
ECOSYS1	●				●	●
DMX	●	●		●	PER REQUEST	PER REQUEST

● - Indicates compatibility

*Standard lamping (STD)

³Fixtures specified with 90CRI 2700K, 3000K, and 3500K lamping with applicable LED drivers have the ability to conform to California Title 24 JA8 and JA10 Appendices

⁴The following drivers conform to IEEE P1789 Flicker Standard: 'IEEE Recommended Practices for Modulating Current in High-Brightness LEDs for Mitigating Health Risks to Viewers'. These drivers may also be installed in HD TV Studio applications utilizing high frequency camera equipment.



ADDITIONAL OPTIONS & SPECIFICATIONS

LENS

Sandblasted clear lexan lens

HOUSING

100% recyclable, extruded architectural grade aluminum

SAFETY & REGULATORY

Fixtures specified with 90CRI, 2700K, 3000K, 3500K, and 4000K lamping with applicable LED drivers have the ability to conform to **California Title 24 JA8 and JA10** Appendices. EldoLED drivers can conform to IEEE P1789 Flicker Standard: 'IEEE Recommended Practices for Modulating Current in High-Brightness LEDs for Mitigating Health Risks to Viewers'.

Contact [ALW customer support](#) today and we can help you with your project requirements.

ETL Listed (U.S. & Canada). Suitable for dry or damp locations. 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.

WARRANTY

Limited 11 year warranty. Details: alw-inc.com/warranty

OPERATING TEMPERATURE

Luminaire should be installed and operated **ONLY** in dry or damp 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.

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.

WEIGHT

See "Performance & Lamping Details" Chart.

CONTROLS, SENSORS, & LED DRIVER

ALW lighting fixtures are intended for use with a wide range of sensors, lighting controls, LED drivers, and building management systems. Our component portfolio is continually expanding to adopt to the latest technologies and specification needs. We currently support integration with Lutron, Enlighted, nLight, Cooper Wavelinx, eldoLED, Molex PoE, NuLEDs PoE, Igor PoE, Osram, Philips, and more. If there's a component or system needed that you don't see on the spec sheet please contact [ALW customer support](#) today so we can review your requirements.