

ROUND LIGHTPLANE 1

RLP1 | SUSPENDED, WALL

STANDARD SIZES

1" Diameter Light Bars
Configurable in straight run sections

LAMPING

LED - Direct or Indirect - 80/90 CRI - 3000K/3500K/4000K
Output Options: LOW/MED/DECOR
Dimming down to 0%

FINISH

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

CONSTRUCTION

Industrial Strength Extruded 6061 Aluminum





PRODUCT SUBMITTAL WORKSHEET

SAMPLE PRODUCT CODE

RLP1S – S5 – MED/90/3500 – 0/10V/0% – EXT – AL – UNV – EMB/1 – OS/1 – COMBO – SB
1 2 3 4 5 6 7 8A 8B 8C

1. BASE MODEL (CHOOSE ONE)

- RLP1S** 1" Suspended, rotatable channel for direct, indirect, wall wash, etc.
- RLP1SM.4** 1" Wall, Stem-Mount, rotatable channel, 4" arms, JBOX-2 canopy (Incl. 2" J-Box)
- RLP1SM.7** 1" Wall, Stem-Mount, rotatable channel, 7" arms, JBOX-2 canopy (Incl. 2" J-Box)
- RLP1SM.11** 1" Wall, Stem-Mount, rotatable channel, 11" arms, JBOX-2 canopy (Incl. 2" J-Box)

2. LENGTH (ENTER LENGTH IN FEET)

S__ Individual/Straight Run Section (enter length over 2ft, ex. S5)

*Lengths are nominal and may vary based on lamping and other specification selections. Consult ALW when exact lengths are required.

3. LED LAMPING (CHOOSE ONE UNDER A, B, & C, AS NECESSARY)

A. OUTPUT

- LOW**
- MED**
- DECOR**

*CRI Not applicable for DECOR lamping

B. CRI*

- 80**
- 90**

C. CCT

- 3000K**
- 3500K**
- 4000K**

DELIVERED LUMENS (LM/FT)	WATTS (W/FT)	EFFICACY (LM/W)
See page 5 for complete details.		Up to 83 lm/W

4. REMOTE DRIVER (CHOOSE ONE)

- 0/10V/S** 0-10V dimming down to 5% (Standard Dimming – Down to 10% for DECOR)
- 0/10V/1%** 0-10V dimming down to 1%
- 0/10V/0%** 0-10V premium dimming down to 0%
- DALI** DALI flicker-free dimming down to 0%
- DMX** DMX flicker-free dimming down to 0%
- ECOSYS1** Lutron Hi-lume 1% EcoSystem, constant current or constant voltage
- ECOSYS5** Lutron 5-Series 5% EcoSystem, constant current (Not available with DECOR Lamping)

*Driver specifications provided upon request to assist with control system integration.

5. LENS

EXT Extra diffuse

6. FINISH (CHOOSE ONE)

- AL** Natural Anodized Aluminum (Standard Finish)
- 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

SS110618-A.0



7. VOLTAGE (CHOOSE ONE)

- UNV** Universal Voltage (120VAC-277VAC)
 347 347 Volt (*Driver options may be limited*)

8. ADDITIONAL OPTIONS (OPTIONAL – CHOOSE ONE UNDER A & B, IF DESIRED)

A. EMERGENCY OPTIONS

- EMB/___¹** Emergency Battery (*indicate quantity – each battery powers 4ft with a delivered lumen output of approx. 750lm*)
 EMC/___¹ Emergency Circuit (*indicate quantity of 4ft sections to be illuminated by emergency circuit*)

¹For fixtures under 4ft in length, entire fixture will be illuminated with a proportional lumen output. Consult ALW for available options.

B. SENSOR OPTIONS (COMPATIBLE ONLY WITH 0-10V DRIVERS – INDICATE SPECIFIC QTY IF DESIRED, OTHERWISE QTY WILL BE AUTOMATICALLY CALCULATED)

- ENLGH/___²** Enlighted® remote smart sensor (*occupancy, daylight, networking, and more*)
 OS/___ 0-10V remote occupancy sensor
 PH/___ 0-10V remote photocell/daylight sensor

²Enlighted® Gateway and Energy Manager (by others) plus programming required. Learn more at enlightedinc.com.

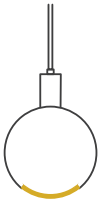
C. ADDITIONAL OPTIONS (COMPATIBLE ONLY WITH SUSPENDED MODELS)

- COMBO** Combination 4.5" canopy at power feed locations to accommodate both power cord & suspension mount hardware.
 SB Seismic Bracing



MECHANICAL DIAGRAMS – MOUNTING & DIMENSIONS

Direct



1- 3/16"

RLP1S
SUSPENDED

Indirect



1- 3/16"

RLP1S
SUSPENDED

Wall Wash



1- 3/16"

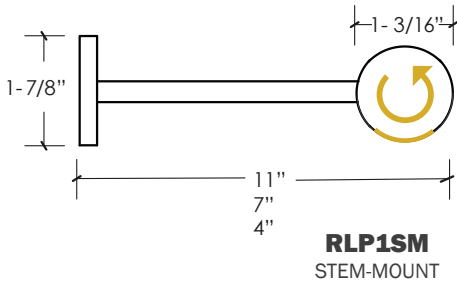
RLP1S
SUSPENDED

Variable



1- 3/16"

RLP1S
SUSPENDED



SUSPENSION MOUNTING



CEILING HARDWARE

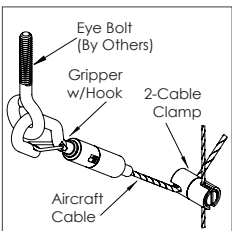
- (1) 4.5" canopy per power feed location,
- (1) bullet mount,
- (1) 8' aircraft cable
- (1) 2" canopy (for use with T-bar mounting) per suspension point



COMBO CANOPY

Choose option COMBO to specify 4.5" canopies at feed locations with power feed and aircraft cable suspension mounting.

Canopy finish is always white. Contact ALW for alternate colors.



SEISMIC BRACING

Add-on hardware includes cable gripper with hook, 2-cable clamp and specified length of aircraft cable per suspension point.



PERFORMANCE DETAILS – LED LAMPING

OUTPUT	DELIVERED LUMENS (LM/FT)	WATTS (W/FT)	EFFICACY (LM/W)	CRI OPTIONS	CCT OPTIONS
LOW	574	6.9	83	80 90	3000K 3500K 4000K
MED	765	9.2	83		
DECOR	280	5.9	47	N/A	

Performance calculations are extrapolated estimates based on actual test data of MED output at 3500K

ROUND LIGHTPLANE 1 VOLTAGE DROP CHART FOR REMOTE DRIVERS - WHITE LED, 28VDC

The below table should be used as a general guide to calculate the maximum run length between the luminaire and the remote driver. See alwusa.com/voltage-drop-calculator/ to calculate maximum recommended run length for specific wattages. Please note that the provided values are estimates only, and may vary depending on various factors such as temperature, wire/connector quality, etc. Each remote driver powers either a 2ft, 3ft, or 4ft section, intermediate lengths are typically powered using a combination of these lengths (e.g. 8ft is two 4ft sections). In this case, use 4ft for wattage calculations.

WIRE GAUGE	10W 0.61A	20W 0.61A	30W 0.91A	40W 1.21A	50W 1.52A
18 AWG	176 ft.	84 ft.	53 ft.	38 ft.	28 ft.
16 AWG	284 ft.	138 ft.	89 ft.	65 ft.	50 ft.
14 AWG	457 ft.	224 ft.	147 ft.	108 ft.	85 ft.
12 AWG	732 ft.	362 ft.	238 ft.	177 ft.	140 ft.
10 AWG	1169 ft.	580 ft.	384 ft.	286 ft.	227 ft.



ADDITIONAL OPTIONS & SPECIFICATIONS

ELECTRICAL PERFORMANCE

Class 2 LED remote drivers. $L_{80} > 54,000$ hours. 80+ CRI. Luminous flux +/- 5%.

LENS

Extruded, twin-layered, high-impact acrylic. EXT is white and extra diffuse with minimal- to no-source visibility.



EXT Lens

HOUSING

100% recyclable, extruded architectural grade 6061 aluminum with a 0.08" minimum wall thickness.

SAFETY & REGULATORY

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#9.0:1996 Ed. 1+S1.

OPERATING CONDITIONS

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

WARRANTY

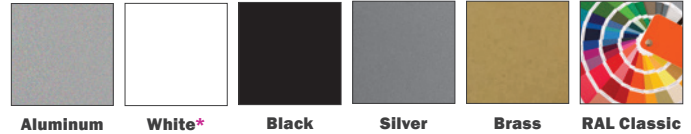
Limited 5-year warranty. Details: alwusa.com/warranty

SENSOR OPTIONS

Optional, occupancy detection (OS) and/or daylight harvesting (PS) sensor available. Or upgrade to an optional Enlighted® Smart Sensor (ENLGHT) for additional capabilities. Contact ALW for details.

FINISH

Standard finish is "Ultimatte" aluminum — a smooth, clean, and durable finish achieved from a deep etch and two-step clear anodizing process. Other options are shown below.



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