



GO FIGURE

RPD07 | SUSPENDED, SURFACE

STANDARD SIZES

2" Aperture

Nominal lengths from 6in. to 8ft. (6in increments)

Customizable 3D design, tailor-made to illuminate any space

LAMPING

LED - Single-Sided Illumination

90+ CRI - 2700K/3000K/3500K/4000K

Dimming down to 0%

FINISH

16 powder coat finishes

RAL classic colors, TCI / Tiger Drylac catalog colors, and custom color match also available

CONSTRUCTION

Industrial Strength Extruded Aluminum

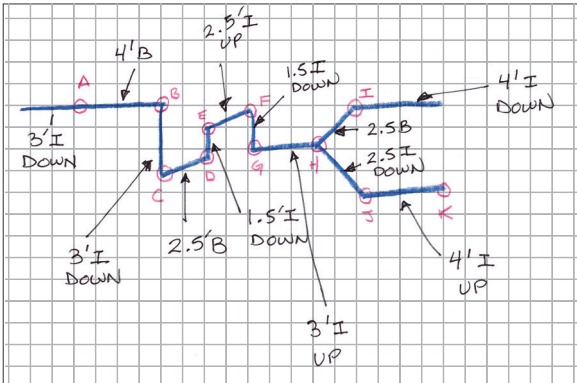




HOW TO SUBMIT YOUR RPD07 CONFIGURATION

1. CREATE YOUR DESIGN USING THE CAD-READY STEP FILES.

Alternatively, you can sketch your design on the configuration graph on page 4. Save your CAD assembly as a .STEP AP214 file and submit to ALW.



2. CALCULATE TOTAL BAR LENGTH IN FEET WITH THE BAR LENGTH CALCULATOR (PG. 5).

BAR LENGTH WORKSHEET

Use the tool below to determine component quantities

1. Add up the total RPD07 lengths (feet): Single-Side Illuminated (S), Blank Unilluminated (B), & Hubs (H).

2. Copy the totals into Step 3 of the WORKSHEET (pg. 2).

SINGLE-SIDE (S) ILLUMINATED			BLANK (B) UNILLUMINATED			HUBS (H)		
BAR LENGTH	QTY	TOTAL (ft.)	BAR LENGTH	QTY	TOTAL (ft.)	TYPE	QTY	TOTAL
0.5 ft.	x	=	0.5 ft.	x	=	ID	x	=
1 ft.	x	=	1 ft.	x	=	H90	x	=
1.5 ft.	x	=	1.5 ft.	x	=	WH1207	x	=
2 ft.	x	=	2 ft.	x	=	WH1200	x	=
2.5 ft.	x	=	2.5 ft.	x	=	WH950	x	=
3 ft.	x	=	3 ft.	x	=	WH60	x	=
3.5 ft.	x	=	3.5 ft.	x	=	WH120	x	=
4 ft.	x	=	4 ft.	x	=	WH950	x	=
4.5 ft.	x	=	4.5 ft.	x	=	WH60	x	=
5 ft.	x	=	5 ft.	x	=	WH120	x	=
5.5 ft.	x	=	5.5 ft.	x	=	WH950	x	=
6 ft.	x	=	6 ft.	x	=	WH60	x	=
6.5 ft.	x	=	6.5 ft.	x	=	WH120	x	=
7 ft.	x	=	7 ft.	x	=	WH950	x	=
7.5 ft.	x	=	7.5 ft.	x	=	WH60	x	=
8 ft.	x	=	8 ft.	x	=	WH120	x	=
TOTAL (ft.)			TOTAL (ft.)			TOTAL (ft.)		

3. COMPLETE THE PRODUCT SUBMITTAL WORKSHEET (PGS. 6-7).

PRODUCT SUBMITTAL WORKSHEET

RPD07 - S - 35 - 5 - 3500 - 0/10V/5 - BAL - UNV - EMB - COMBO

1. BASE MODEL (CHOOSE ONE)

☐ RPD07 Suspension/Pendant Mount

☐ RPD07-C Surface Mount (for wall or ceiling)

2. BAR LENGTH & HUB COUNT (USE CHART ON PAGE 5 TO CALCULATE TOTAL LINEAR LENGTH OF BARS IN FEET)

TOTAL LINEAR LENGTH (FEET) OF BARS			COMPLETE CODE
Single Illuminated (S)	Blank Unilluminated (B)	Quantity of Hubs (H)	Separate each with a dash and enter in box below: ex: S - 6 - 10

3. LED LAMPING (CHOOSE ONE)

	LUMENS (LM) ¹	WATTS (W) ¹
<input type="checkbox"/> 2700 90+ CRI, 2700K	655	9
<input type="checkbox"/> 3000 90+ CRI, 3000K		
<input type="checkbox"/> 3500 90+ CRI, 3500K		
<input type="checkbox"/> 4000 90+ CRI, 4000K		
<input type="checkbox"/> RGB Red, Green, and Blue LED		
<input type="checkbox"/> RGBW Red, Green, Blue, and 4000K White		

¹Performance values based off 1ft. Single-Sided (S) Illuminated section.

4. REMOTE DRIVER (CHOOSE ONE)

<input type="checkbox"/> 0/10V/5 0-10V dimming down to 10% (Standard Dimming)	
<input type="checkbox"/> 0/10V/1% 0-10V dimming down to 1%	
<input type="checkbox"/> 0/10V/0% 0-10V premium dimming down to 0%	
<input type="checkbox"/> DMX DMX flicker free dimming down to 0% (Select for RGB or RGBW lamping)	
<input type="checkbox"/> ECO5YS1 Lutron Hi-lume 5% EcoSystem, constant voltage	
<input type="checkbox"/> LTA Lutron Hi-lume 1% 2-wire TRIAC dimming (120V forward phase only), constant voltage	

¹LED drivers are remote. Fixture is ETL listed and conforms to UL Standard 2205. Driver specifications provided upon request to assist with control system integration.

4. SUBMIT FORMS BELOW TO ALW FOR REVIEW.

1. CONFIGURATION GRAPH (PG. 4) or STEP AP214 FILE
2. PRODUCT CODE WORKSHEET (PGS. 5-7)

CONFIGURATION GRAPH EXAMPLE

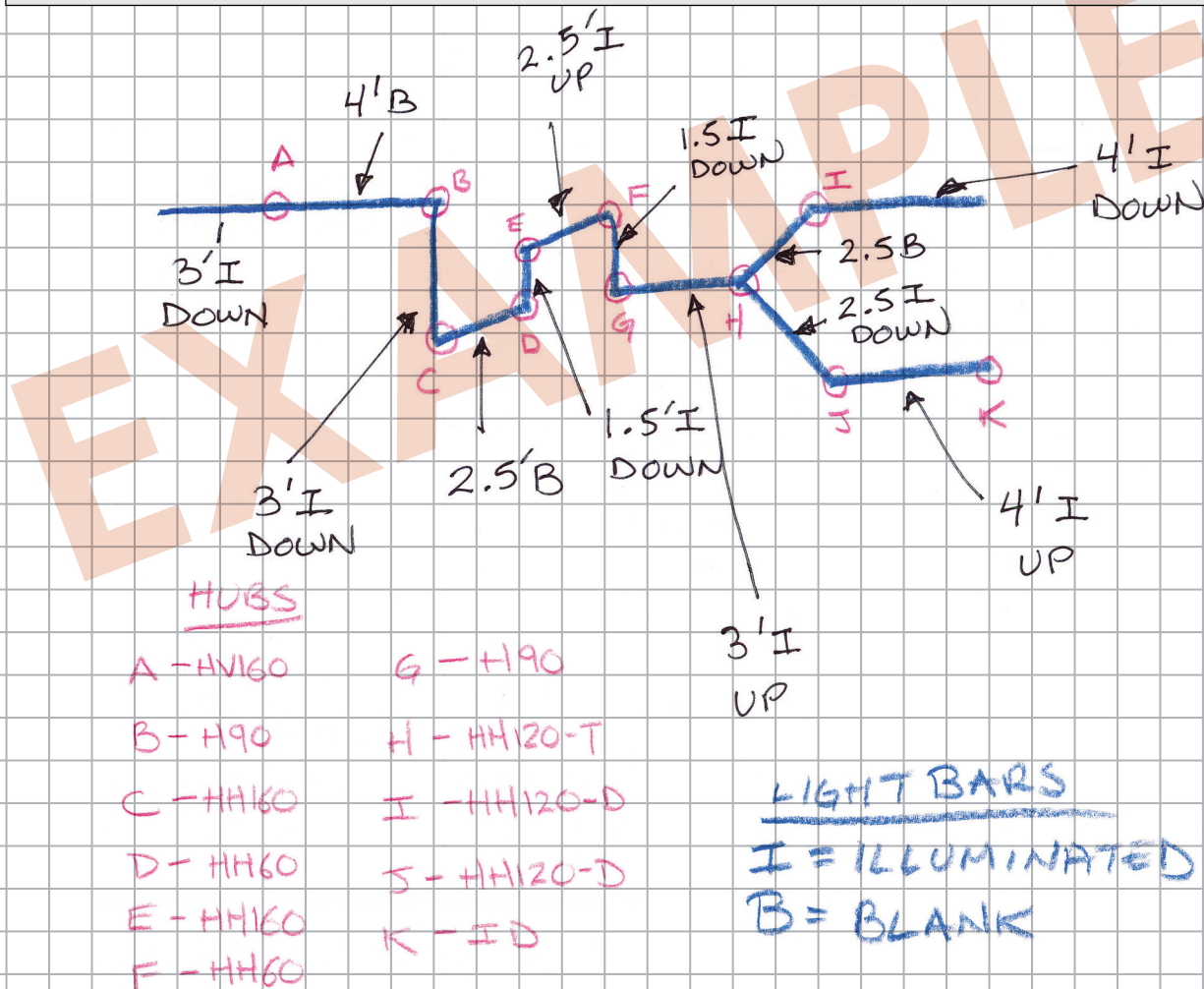
HOW TO SUBMIT YOUR REQUIRED CONFIGURATION DRAWING

PREFERRED: Configure your Go Figure design using the CAD-ready STEP files provided for all light bar section lengths and joiner hubs. The STEP files are available for download at alwusa.com/go-figure. Save final, full-assembly CAD configuration as a STEP AP214 file and submit to ALW along with completed worksheet (pgs. 5-7).

**Drawings submitted digitally in the preferred format reduce production cycle time and enable us to ship orders sooner.*

ALTERNATIVE: Following the example shown below, use the following page to sketch out and label a plan view of your intended configuration and submit to ALW along with completed worksheet (pgs. 5-7). Make sure to include the following call-outs:

- Nominal length of each light bar (ex: 2.5')
- Illuminated or blank designation for each light bar (I for Illuminated, B for blank)
- The direction of each illuminated light bar (up or down)
- The name of each hub type (ex: HV160)





CONFIGURATION GRAPH

<p>JOB:</p> <p>PROJECT:</p>



BAR LENGTH WORKSHEET

- Use the tool below to determine component quantities
- 1. Add up the total RPD07 lengths (feet): Single-Side Illuminated (S), Blank Unilluminated (B), & Hubs (H).
 - 2. Copy the totals into Step 2 of the WORKSHEET (pg. 6).

SINGLE-SIDE (S) ILLUMINATED

BAR LENGTH	QTY	TOTAL (ft.)
0.5 ft.	x	=
1 ft.	x	=
1.5 ft.	x	=
2 ft.	x	=
2.5 ft.	x	=
3 ft.	x	=
3.5 ft.	x	=
4 ft.	x	=
4.5 ft.	x	=
5 ft.	x	=
5.5 ft.	x	=
6 ft.	x	=
6.5 ft.	x	=
7 ft.	x	=
7.5 ft.	x	=
8 ft.	x	=
TOTAL (B):		

BLANK (B) UNILLUMINATED

BAR LENGTH	QTY	TOTAL (ft.)
0.5 ft.	x	=
1 ft.	x	=
1.5 ft.	x	=
2 ft.	x	=
2.5 ft.	x	=
3 ft.	x	=
3.5 ft.	x	=
4 ft.	x	=
4.5 ft.	x	=
5 ft.	x	=
5.5 ft.	x	=
6 ft.	x	=
6.5 ft.	x	=
7 ft.	x	=
7.5 ft.	x	=
8 ft.	x	=
TOTAL (S):		

HUBS (H)

TYPE	QTY
ID	x
H90	x
HH120-T	x
HH120-D	x
HH160	x
HH60	x
HV120	x
HV160	x
HV60	x
TOTAL (H):	

Add up nominal lengths and round total to the nearest whole foot.



PRODUCT SUBMITTAL WORKSHEET

SAMPLE PRODUCT CODE

RPD07 – 35 – 8 – 5 – 3500 – 0/10V/S – SW – UNV – EMB
1 2 3 4 5 6 7

1. BASE MODEL (CHOOSE ONE)

- ☐ **RPD07** Suspension/Pendant Mount
☐ **RPD07-C** Surface Mount (for wall or ceiling)

2. BAR LENGTH & HUB COUNT (USE CHART ON PAGE 5 TO CALCULATE TOTAL LINEAR LENGTH OF BARS IN FEET)

TOTAL LINEAR LENGTH (FEET) OF BARS QUANTITY OF HUBS			COMPLETE CODE Separate each with a dash and enter in box below. ex: 5 - 6 - 10
Single Illuminated (S)	Blank Unilluminated (B)	Quantity of Hubs (H)	
_____	_____	_____	_____ - _____ - _____

3. LED LAMPING (CHOOSE ONE)

- ☐ **2700** 90+ CRI, 2700K (very warm)
☐ **3000** 90+ CRI, 3000K (warm)
☐ **3500** 90+ CRI, 3500K (slightly warm)
☐ **4000** 90+ CRI, 4000K (neutral)

DELIVERED LUMENS PER LINEAR FOOT	WATTS PER LINEAR FOOT
686 LM/FT (WHITE)	9 W/FT (WHITE)

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%
☐ **ECOSYS1** Lutron Hi-lume 1% EcoSystem, constant voltage
☐ **LTEA** Lutron Hi-lume 1% 2-wire TRIAC dimming (120V forward-phase only), constant voltage

*All drivers are remote. Fixture is ETL listed and conforms to UL Standard 2108. Driver specifications provided upon request to assist with control system integration.

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5. FINISH — FIXTURE (CHOOSE ONE. SEE PAGE 7 FOR LARGER SWATCHES AND ADDITIONAL INFORMATION)

STANDARD FINISHES

- | | |
|------------------------------------|--|
| <input type="checkbox"/> AS | <input type="checkbox"/> Aluminum Silver Anodized Effect |
| <input type="checkbox"/> SW | <input type="checkbox"/> Satin White |
| <input type="checkbox"/> SB | <input type="checkbox"/> Satin Black |
| <input type="checkbox"/> TB | <input type="checkbox"/> Textured Black |

PREMIUM FINISHES

BASIC POWDER COAT

- | | |
|--|--|
| <input type="checkbox"/> GW | <input type="checkbox"/> Gloss White |
| <input type="checkbox"/> AW  | <input type="checkbox"/> Antimicrobial Gloss White |
| <input type="checkbox"/> TW | <input type="checkbox"/> Textured White |

SATIN ANODIZED EFFECT POWDER COAT

- | | |
|------------------------------------|--|
| <input type="checkbox"/> OB | <input type="checkbox"/> Oil-Rubbed Bronze |
| <input type="checkbox"/> DB | <input type="checkbox"/> Dark Bronze |



METALLIC POWDER COAT

- | | |
|------------------------------------|--|
| <input type="checkbox"/> CG | <input type="checkbox"/> Charcoal Gray |
| <input type="checkbox"/> CU | <input type="checkbox"/> Copper |
| <input type="checkbox"/> BR | <input type="checkbox"/> Brass |

GLOSS POWDER COAT (80-95% GLOSS)

- | | |
|------------------------------------|---|
| <input type="checkbox"/> GO | <input type="checkbox"/> Orange (RAL 2003) |
| <input type="checkbox"/> GR | <input type="checkbox"/> Red (RAL 3020) |
| <input type="checkbox"/> GM | <input type="checkbox"/> Magenta (RAL 4010) |
| <input type="checkbox"/> GB | <input type="checkbox"/> Blue (RAL 5015) |

SPECIAL ORDER FINISHES

- | | |
|---|---|
| <input type="checkbox"/> RAL _____ |  Specify RAL Classic Color (Ex: RAL 3003) - Most RAL Colors are available for powder coat. See www.alw-inc.com/resources/finishes |
| <input type="checkbox"/> CCM _____ |  Custom Color Match - Specify a custom powder coat color match |

6. VOLTAGE

- | | |
|--|-----------------------------------|
| <input checked="" type="checkbox"/> UNV | Universal Voltage (120VAC-277VAC) |
|--|-----------------------------------|

7. ADDITIONAL OPTIONS (OPTIONAL — CHOOSE ONE IF DESIRED)

- | | |
|--|-------------------|
| <input type="checkbox"/> EMB ¹ | Emergency Battery |
| <input type="checkbox"/> EMC ¹ | Emergency Circuit |

¹Consult ALW for more details.



FIXTURE LENGTHS

0.5 ft nominal (4.06 inch actual)



1.0 ft nominal (10.625 inch actual)



1.5 ft nominal (17.188 inch actual)



2.0 ft nominal (23.75 inch actual)



2.5 ft nominal (30.313 inch actual)



3.0 ft nominal (36.875 inch actual)



3.5 ft nominal (43.438 inch actual)



4.0 ft nominal (46.688 inch actual)



4.5 ft nominal (53.25 inch actual)



5.0 ft nominal (59.813 inch actual)



5.5 ft nominal (66.375 inch actual)



6.0 ft nominal (72.938 inch actual)



6.5 ft nominal (79.5 inch actual)



7.0 ft nominal (82.75 inch actual)



7.5 ft nominal (89.313 inch actual)



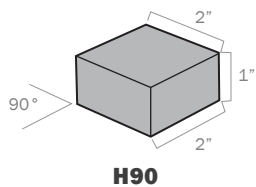
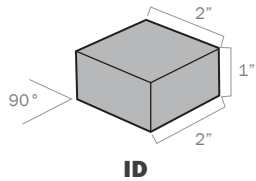
8.0 ft nominal (95.875 inch actual)



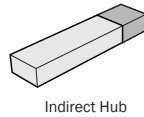
NOTE: 0.125 inch tolerance applies to "actual" measurements

MECHANICAL DIAGRAM — HUBS

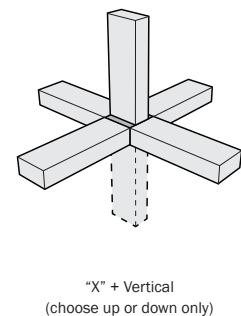
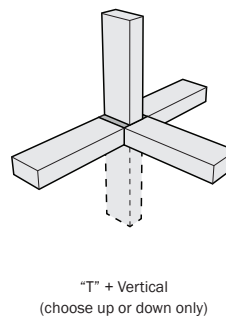
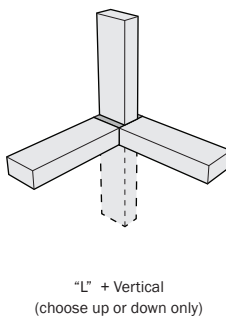
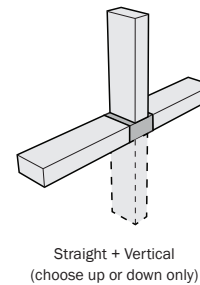
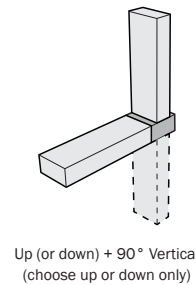
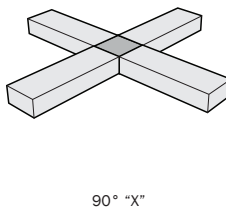
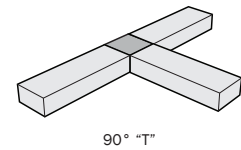
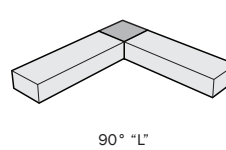
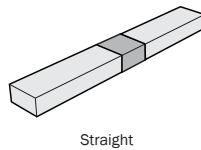
DIMENSIONS



CONNECTION(S)

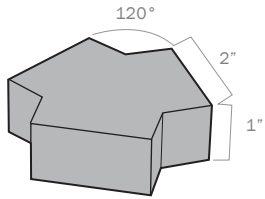


NOTE: Any Illuminated (L) sections that will be set as indirect up-lighting AND do not connect to another section on one end will have an ID Hub placed at the end of that section; please account for these when completing the worksheet on page 2.

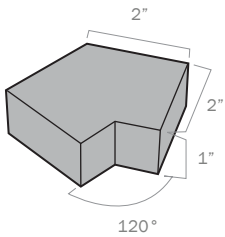


MECHANICAL DIAGRAMS — HUBS (CONT.)

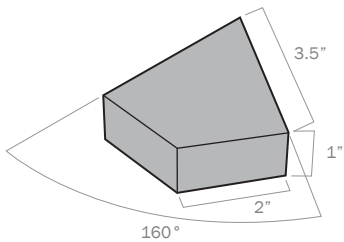
DIMENSIONS



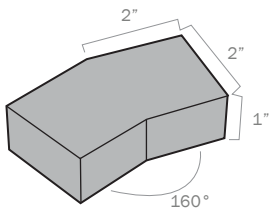
HH120-T



HH120-D

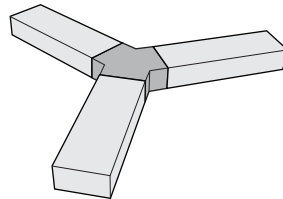


HH60

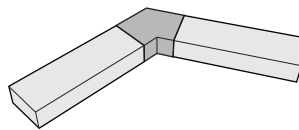


HH160

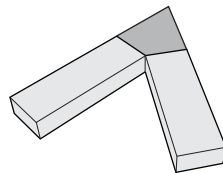
CONNECTION(S)



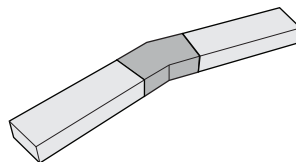
Triple 120° Hub



Double 120° Hub



Horizontal 60° Hub

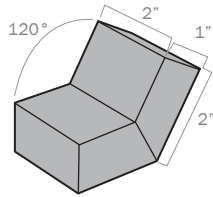


Horizontal 160° Hub

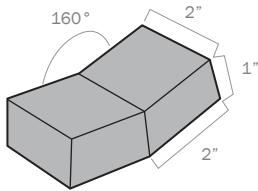


MECHANICAL DIAGRAMS — HUBS (CONT.)

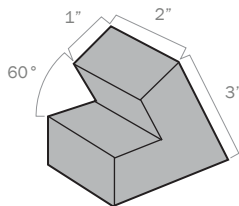
DIMENSIONS



HV120

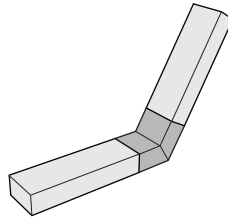


HV160

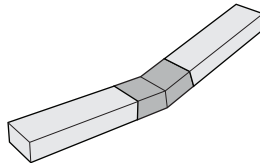


HV60

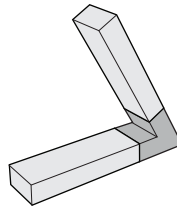
CONNECTION(S)



Vertical 120° Hub



Vertical 160° Hub



Vertical 60° Hub

REMOTE DRIVER VOLTAGE DROP INFORMATION

The below table should be used as a general guide to calculate the maximum run length between the luminaire and the remote driver for 0-10V drivers. See alwusa.com/voltage-drop-calculator/ to calculate maximum recommended run length for specific configurations. Please note that the provided values are estimates only, and may vary depending on various factors such as temperature, wire/connector quality, etc.

WIRE GAUGE	20W 0.83A	30W 1.25A	40W 1.67A	50W 2.08A	60W 2.50A	70W 2.92A	80W 3.33A	90W 3.75A	100W 4.17A
18 AWG	59 ft.	37 ft.	25 ft.	19 ft.	14 ft.	11 ft.	8 ft.	7 ft.	5 ft.
16 AWG	99 ft.	63 ft.	45 ft.	35 ft.	27 ft.	22 ft.	18 ft.	15 ft.	13 ft.
14 AWG	163 ft.	106 ft.	77 ft.	60 ft.	49 ft.	40 ft.	34 ft.	30 ft.	26 ft.
12 AWG	264 ft.	173 ft.	128 ft.	100 ft.	82 ft.	69 ft.	60 ft.	52 ft.	46 ft.
10 AWG	424 ft.	280 ft.	208 ft.	164 ft.	136 ft.	115 ft.	100 ft.	88 ft.	78 ft.

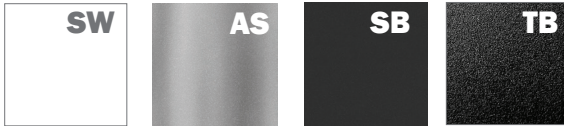
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FINISHES

Standard finishes are available at no additional charge.

STANDARD FINISHES



Satin
White

Aluminum Silver
Anodized Effect

Satin
Black

Textured
Black

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](http://www.alw-inc.com) 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



ADDITIONAL OPTIONS & SPECIFICATIONS

ELECTRICAL

Remote LED Drivers are Class 2.
90+ CRI. Luminous flux +/- 5%.

LENS

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

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.

WARRANTY

Limited 5-year warranty. Details: alw-inc.com/warranty

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.



CANOPY

For Suspended units Canopy finish is always white. Contact ALW for alternate colors.