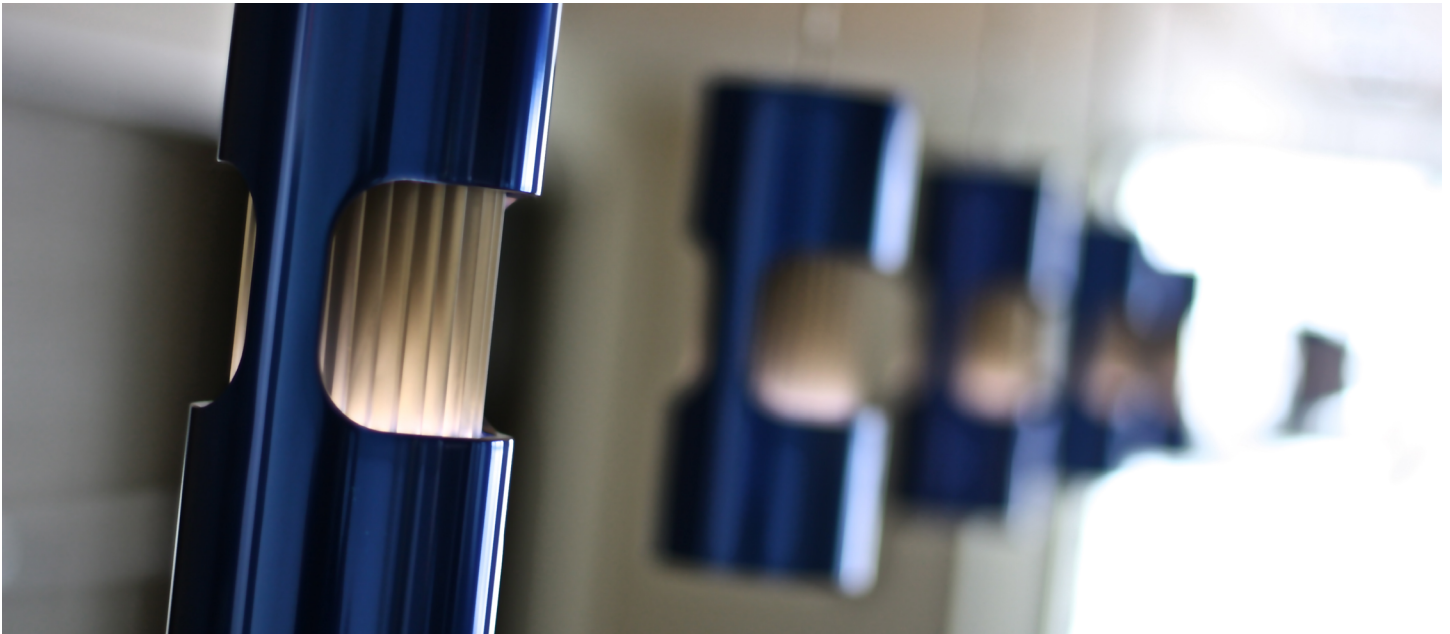




# CORE/WL 4

ROUND, CUTOUT, **WET LOCATION**, DIRECT ILLUMINATION



## SPECIFICATIONS

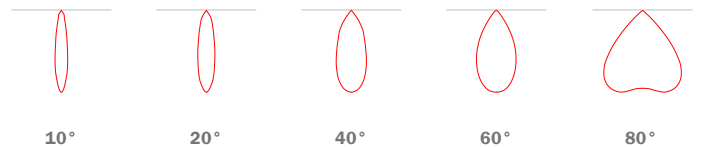
<b>PROFILE</b>	Round
<b>SIZE</b>	4.5" diameter
<b>LED OUTPUT</b>	700lm - 3,000lm
<b>CCT/CRI</b>	2700K/3000K/3500K/4000K • 83 CRI or 98 CRI
<b>DIMMING/ DRIVER</b>	Internal, Canopy, and Remote Driver: 0-10V, Phase, DALI, DMX, eldoLED, Lutron®. Dimming to 0% for select models.
<b>POWER</b>	5.6W to 29.3W per fixture
<b>INPUT</b>	100VAC to 277VAC Phase dimmable versions are 120VAC only
<b>OPTICS</b>	10° - 80° distribution spun aluminum reflectors. Field replaceable without tools.
<b>FINISHES</b>	Powder coat - TGIC polyester for exterior and interior use
<b>MATERIAL</b>	Extruded aluminum with stainless steel hardware
<b>ENVIRONMENT</b>	Wet location, IP66 rated LED module

### WELL

For UGR values and recommended options that contribute to meeting the WELL Building Standard™ see [WELL addendum](#).

\*Safety and Performance information available on last page. Output and other specifications available on page 6.

## DISTRIBUTIONS & PROFILES



CORE/WL 4  
PENDANT



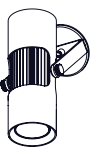
CORE/WL 4  
SURFACE MOUNT



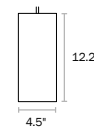
CORE/WL 4  
SCONCE



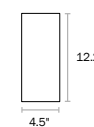
CORE/WL 4  
YOKE



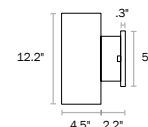
CORE/WL 4  
PENDANT



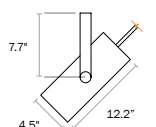
CORE/WL 4  
SURFACE MOUNT



CORE/WL 4  
SCONCE



CORE/WL 4  
YOKE



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





## PRODUCT SUBMITTAL QUICK WORKSHEET

1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

**EXAMPLE: CCP4/WL – 20982740HL – RV10 – DOB – SW/BK – AC – EMB**

1. MODEL (CHOOSE 1)	2. OUTPUT* (CHOOSE 1)	3. CRI (CHOOSE 1)	4. CCT (CHOOSE 1)
<b>CCP4/WL</b> Pendant	<b>07</b> 700lm	<b>83</b> 83	<b>27</b> 2700K
<b>CCM4/WL</b> Surface Mount	<b>10</b> 950lm	<b>98</b> 98	<b>30</b> 3000K
<b>CCS4/WL</b> Sconce	<b>13</b> 1300lm		<b>35</b> 3500K
<b>CCY4/WL</b> Yoke	<b>20</b> 2000lm		<b>40</b> 4000K
	<b>30<sup>2</sup></b> 3000lm		

<sup>2</sup>Available for 83CRI only

5. REFLECTOR* (CHOOSE 1)	6. OPTICAL ACCESSORY* (CHOOSE 1)	7. DRIVER LOCATION* (CHOOSE 1)	8. DIMMING* (CHOOSE 1)
<b>10<sup>3</sup></b> 10° (0.3 S/MH)	<b>NN</b> None	<b>N<sup>6</sup></b> Internal	<b>V10</b> (0-10V, dim to 10%)
<b>20</b> 20° (0.4 S/MH)	<b>HL<sup>4</sup></b> Honeycomb Louver	<b>R</b> Remote	<b>P10</b> (ELV/TRIAC phase dim to 10%)
<b>40</b> 40° (0.7 S/MH)	<b>DF</b> Diffusion Lens	<b>D</b> Deep Canopy	<b>ELDV0<sup>7</sup></b> (elidoLED, 0-10V, dim to 0%)
<b>60</b> 60° (0.8 S/MH)	<b>LS</b> Linear Spread Lens (60° x 1°)		<b>LDE1<sup>7</sup></b> (Lutron ECOSYS1, 0-10V, dim to 1%)
<b>80</b> 80° (1.3 S/MH)	<b>WW</b> Wall Wash Lens (shifts beam 20° from vertical)		<b>DALI<sup>7</sup></b> (DALI, dim to 0%)
<b>BF<sup>5</sup></b> Baffle	<b>FT<sup>5</sup></b> Forward Throw		<b>DMX<sup>7</sup></b> (DMX, dim to 0%)

<sup>3</sup>Beam angles noted above are nominal.

<sup>4</sup>Available for 1300lm and lower.

<sup>5</sup>Baffles are only compatible with the NN optical accessory.

<sup>4</sup>Not available for UP sconce style.

<sup>5</sup>Available for sconce only.

<sup>6</sup>See 'Dimming/driver location compatibility on page 7 to ensure correct dimming specification.

<sup>6</sup>Internal driver located in shell.

<sup>7</sup>See 'Driver' and 'dimming/driver compatibility' charts for dimming compatibility.

<sup>7</sup>Premium drivers available for remote driver location only.

9. SHELL CUTOUT* (CHOOSE 1)	10. HEAT SINK FINISH* (CHOOSE 1)	11. SHELL COLOR* (CHOOSE 1)	12. SUSPENSION* (CHOOSE 1)
<b>R</b> Round	<b>STANDARD HEAT SINK FINISHES**</b>	<b>STANDARD FINISHES</b>	<b>PENDANT OPTIONS</b>
<b>S</b> Square	-- Manually type in finish code (Ex: OB = Oil-Rubbed Bronze)	<b>SW</b> <input type="checkbox"/> Satin White	<b>BK<sup>9</sup></b> Black Cord
<b>D</b> Dual	<b>SPECIAL ORDER HEAT SINK FINISHES**</b>	<b>SB</b> <input type="checkbox"/> Satin Black	<b>RS##<sup>10</sup></b> Rigid Stem
<b>Z<sup>8</sup></b> Custom	<b>RAL_____</b> Specify RAL Classic Color (Ex: RAL 3003) -	<b>AS</b> <input type="checkbox"/> Aluminum Silver Anodized Effect	<b>SS##<sup>10</sup></b> Swivel Stem
	<b>CAT_____</b> Specify Catalog Colors	<b>TB</b> <input type="checkbox"/> Textured Black	<b>YOKE OPTIONS</b>
	<b>CCM_____</b> Custom Color Match	<b>PREMIUM FINISHES</b>	<b>SC</b> Standard Canopy
		-- See chart on page 5 for premium finishes. Manually type in the finish code (Ex: OB = Oil-Rubbed Bronze)	<b>RS##<sup>10</sup></b> Rigid Stem
		<b>SPECIAL ORDER FINISHES*</b>	<b>SS##<sup>10</sup></b> Swivel Stem
		<b>RAL_____</b> Specify RAL Classic Color (Ex: RAL 3003)	
		<b>CCM_____</b> Custom Color Match	

<sup>8</sup>See page 3 for standard shell cutout options.

<sup>8</sup>Consult factory for custom cutout options.

<sup>\*\*</sup>See page 5 for finish chart.

<sup>\*\*</sup>Manually type the finish code into the parametric code above.

<sup>\*</sup>See page 5 for finish chart.

<sup>\*</sup>Manually type the finish code into the parametric code above.

<sup>9</sup>Selection not required for surface mount and sconce.

<sup>10</sup>Standard cord length 6ft. For longer cords, type desired length after cord style in product code above (i.e BK/8 = Black Cord + 8ft cord length)

<sup>10</sup>Type desired stem length (4" - 100") into product code above.

13. SUSPENSION OPTIONS* (OPTIONAL CHOOSE 1)	14. EMERGENCY OPTIONS* (OPTIONAL)
<b>PENDANT OPTIONS</b>	<b>EMB<sup>13</sup></b> Emergency Battery
<b>AC</b> Aircraft Cable	
<b>SB<sup>14</sup></b> Seismic Bracing	
<b>SCONCE OPTIONS</b>	
<b>UP<sup>12</sup></b> Uplight	

<sup>\*</sup>Emergency options only available with 0-10V driver options. Third party inverter system recommended for other driver options. Refer to ALW EM Solution Catalog for all compatibility exceptions.

<sup>13</sup>Available for remote driver only.

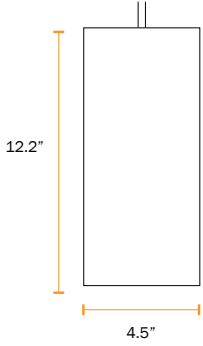
<sup>14</sup>Seismic bracing only available for Rigid Stem suspensions.

<sup>12</sup>Includes reflector cover.

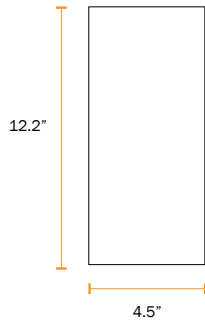


## DIMENSIONS AND MOUNTING

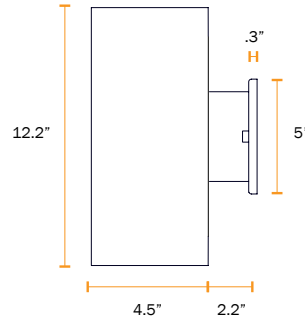
**CORE/WL 4  
PENDANT**



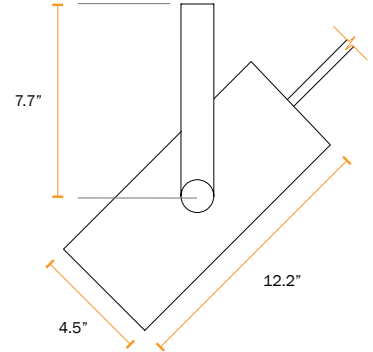
**CORE/WL 4  
SURFACE**



**CORE/WL 4  
SCONCE**



**CORE/WL 4  
YOKE**



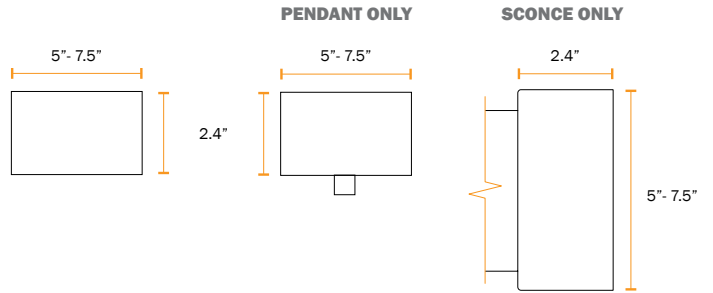
### REMOTE DRIVER

STANDARD SHALLOW CANOPY



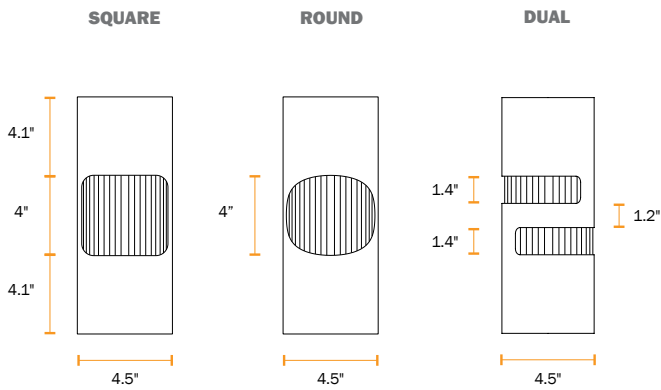
### DEEP CANOPY MOUNTED DRIVER<sup>14</sup>

DEEP CANOPY FOR CANOPY MOUNTED LED DRIVERS



### CUTOUT DIMENSIONS<sup>15</sup>

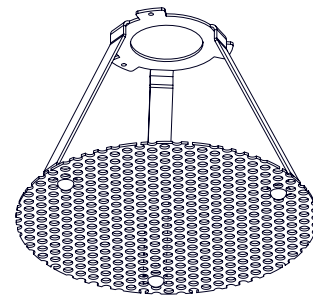
STANDARD DIMENSIONS FOR CUTOUT



### BAFFLE

Baffles are available for all cutout fixtures.

The baffle reflects light back into the fixture illuminating the heatsink and cutout features.



Not to scale. Dimensions are nominal. Consult factory for CAD drawings  
All canopies fit standard 3.5" and 4" round and octagonal junction boxes.

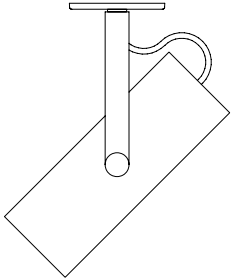
<sup>14</sup>Deep canopy diameter depends on LED driver size

<sup>15</sup>Cutout position and dimension is consistent for all standard cutouts.



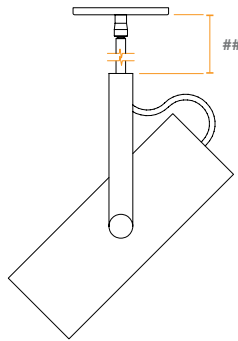
## DIMENSIONS AND MOUNTING

### YOKE STANDARD CANOPY



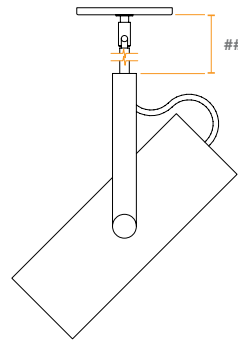
### YOKE RIGID STEM

includes 10° hang straight



### YOKE SWIVEL STEM

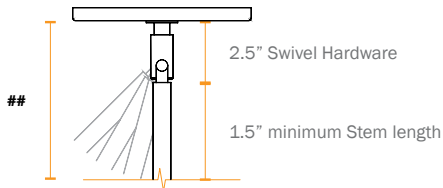
360° rotation x 90° tilt swivel



## = length in inches from bottom of canopy to top of yoke

## PENDANT SUSPENSION OPTIONS

### SWIVEL STEM

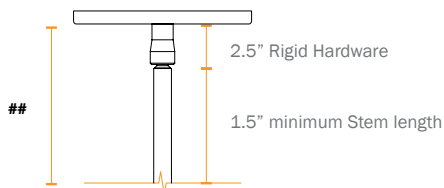


Order Code = **SS##**

## = length in inches from bottom of canopy to top of fixture. Includes the swivel hardware. Minimum length for swivel hardware + stem is 4". Total length (##) for swivel hardware alone is 2.5".

360° rotation x 90° tilt swivel

### RIGID STEM

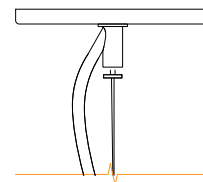


Order Code = **RS##**

## = length in inches from bottom of canopy to top of fixture. Includes the rigid hardware. Minimum length for rigid hardware + stem is 4". Total length (##) for rigid hardware alone is 2.5".

Includes 10° hang straight

### AIRCRAFT CABLE



Order Code = **AC**

Standard cable length = 6'  
Cable length is field adjustable



## FINISHES

Standard finishes are available at no additional charge and no extended lead time for standard configurations.

### STANDARD FINISHES



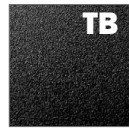
Aluminum Silver Anodized Effect



Satin White



Satin Black



Textured Black

### PREMIUM FINISHES

#### BASIC POWDER COAT



Gloss White

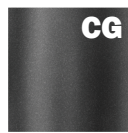


Antimicrobial Gloss White

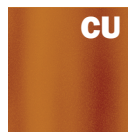


Textured Matte White

#### 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](http://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

### CORD OPTIONS



Black  
Order Code = **BK**

For all locations



**PERFORMANCE DETAILS**

REFLECTOR OPTION <sup>17</sup>	CRI	OUTPUT OPTIONS	DELIVERED LUMENS <sup>18</sup>	EFFICACY (LM/W)	SYSTEM WATTS(W)	CCT OPTIONS
<b>10°</b> <b>20°</b> <b>40°</b> <b>60°</b> <b>80°</b>	Ra = 83 ± 3	700	643	115	5.6	2700K 3000K 3500K 4000K
		950	873	106	8.2	
		1300	1196	102	11.7	
		2000	1839	94	19.5	
	Ra = 98 ± 3	3000	2761	94	29.3	
		700	643	86.9	7.4	
		950	873	80.1	10.9	
		1300	1196	76.7	15.6	
2000	1839	69.7	26.4			

<sup>\*</sup>Based on 40° reflector for all outputs.

<sup>\*</sup>Refer to IES files for full performance data.

<sup>17</sup>10° Reflector only available for 1300lm and lower.

<sup>18</sup>Actual lumens measured in field may differ +/- 10%.



## DRIVERS

PRODUCT CODE	DESCRIPTION
V10	0-10V dimming down to 10%
P10	Driver supports both TRIAC Forward Phase 2-Wire and ELV Reverse Phase 3-Wire dimming controls.
ELDVO	eldoLED, 0-10V dimming down to 0%
DALI	DALI flicker-free dimming down to 0%.
DMX	DMX flicker-free dimming down to 0%.
LDE1	ECOSYS1, (LDE1) Lutron Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology

\*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*	CA TITLE 24 JA8/JA10 <sup>19</sup>	IEEE P1789 & HD TV STUDIO <sup>20</sup>
V10	●		
P10	●		
ELDVO	●	●	●
DALI	●	●	●
DMX	●	●	●
LDE1	●	●	●

● - Indicates compatibility

\*Standard lamping (STD) - 700-3000LM

<sup>19</sup>Fixtures specified with 83CRI, 98CRI, 2700K, 3000K, 3500K, and 4000K lamping with applicable LED drivers have the ability to conform to California Title 24 JA8 and JA10 Appendices.

<sup>20</sup>The 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.

DRIVER LOCATION/DRIVER COMPATIBILITY			
	INTERNAL	DEEP CANOPY	REMOTE
V10	●	●	●
P10	●	●	●
ELDVO		●	●
DALI		●	●
DMX		●	●
LDE1		●	●



**PHOTOMETRICS CORE/WL**

BEAM ANGLE (°)	POLAR PLOT (CD)	MTG HEIGHT (FT)	LIGHT LEVEL (FC)	BEAM DIAMETER (FT)	SPACING CRITERION (SC) <sup>21</sup> (0° - 180°) (90° - 270°)	MAX INTENSITY (CD)	BUG RATING
10°		6	315.8	1.8	.30 .30	11370	B2-U0-G0
		8	177.7	2.4			
		10	113.7	3.0			
		12	79.0	3.5			
		14	58.0	4.1			
		16	44.4	4.7			
20°		6	173.0	2.6	.40 .40	6228	B2-U0-G0
		8	97.3	3.4			
		10	62.3	4.3			
		12	43.3	5.1			
		14	31.8	6.0			
		16	24.3	6.8			
40°		6	87.6	4.5	.65 .65	3154	B2-U1-G0
		8	49.3	5.9			
		10	31.5	7.4			
		12	21.9	8.9			
		14	16.1	10.4			
		16	12.3	11.9			
60°		6	40.7	5.9	.80 .80	1465	B1-U1-G1
		8	22.9	7.9			
		10	14.7	9.8			
		12	10.2	11.8			
		14	7.5	13.7			
		16	5.7	15.7			
80°		6	34.4	10.2	1.31 1.31	1355	B2-U0-G0
		8	19.3	13.6			
		10	12.4	17.0			
		12	8.6	20.4			
		14	6.3	23.8			
		16	4.8	27.2			

\*Photometric calculations based on 2000lm 2700K-4000K 83CRI-98CRI fixture combination. Actual results may vary in the field.

For footcandle and output multipliers refer to the [ALW IES File Multipliers Chart](#).

<sup>21</sup>Spacing criterion refers to maximum distance luminaires can be spaced to provide uniform illumination on the working plane or surface.  
Luminaire spacing = Spacing Criterion (SC) x Mounting Height (MH) (ex. 1.14 (SC) x 10' (MH) = 11.4' Luminaire Spacing).





## ADDITIONAL OPTIONS & SPECIFICATIONS

### LED PERFORMANCE

> 55,000 hours at 70% lumen maintenance, LM80 / TM-21

### COLOR CONSISTENCY

1x2 SDCM (MacAdam) along BBL, CCT +/- 40K to 70K, Duv +/- .001

### HOUSING

Extruded aluminum with stainless steel hardware

### SAFETY & REGULATORY

Can be used to comply with **Title 24 JA8 and JA10** requirements. Contact ALW customer support today and we can help you with your project requirements.

ETL Listed (U.S. & Canada). Suitable for wet locations.  
Conforms to UL 1598, 2108, 8750  
Certified to CSA std. CSA C22.2# 9 & #250.0

### OPERATING TEMPERATURE

Luminaire should be installed and operated **ONLY** in environments where the ambient temperature ranges from -4 °F to 104 °F ( -20 °C to 40 °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.

### CONTROLS & 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. 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.

### WARRANTY

LIMITED WARRANTY. Visit [alw-inc.com/warranty](http://alw-inc.com/warranty) for more information.

### WEIGHT

CORE/WL 4			
PENDANT	SURFACE MOUNT	SCONCE	YOKE
7 lbs/ 3.2 kg	7 lbs/ 3.2 kg	7 lbs/ 3.2 kg	7 lbs/ 3.2 kg