



# CORE/WL 4

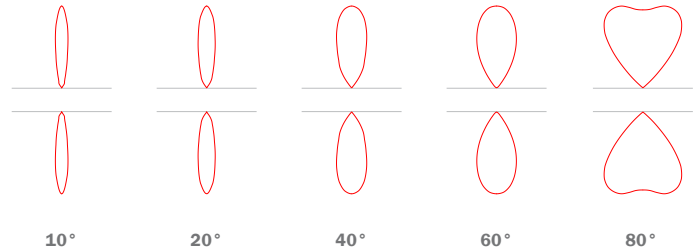
ROUND, WET LOCATION, DIRECT/INDIRECT ILLUMINATION



## 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>	11.2W to 58.6W 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

## DISTRIBUTIONS & PROFILES

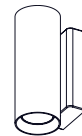


Available in any combination of distributions for direct and indirect.

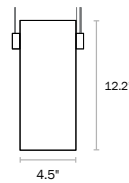
CORE/WL 4  
DIRECT/INDIRECT  
PENDANT



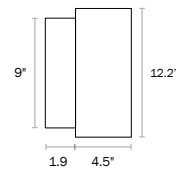
CORE/WL 4  
DIRECT/INDIRECT  
SCONCE



CORE/WL 4  
DIRECT/INDIRECT  
PENDANT



CORE/WL 4  
DIRECT/INDIRECT  
SCONCE



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

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





## PRODUCT SUBMITTAL QUICK WORKSHEET

-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

**EXAMPLE: CRT4/WL – 20982740HL – 20982740DF – RV10 – 2C – BA – EMB**

1. MODEL (CHOOSE 1)	2. OUTPUT - DIRECT* (CHOOSE 1)	3. CRI - DIRECT (CHOOSE 1)	4. CCT - DIRECT (CHOOSE 1)
<input type="checkbox"/> <b>CRT4/WL</b> Pendant	<input type="checkbox"/> <b>07</b> 700lm	<input type="checkbox"/> <b>83</b> 83	<input type="checkbox"/> <b>27</b> 2700K
<input type="checkbox"/> <b>CRU4/WL</b> Sconce	<input type="checkbox"/> <b>10</b> 950lm	<input type="checkbox"/> <b>98</b> 98	<input type="checkbox"/> <b>30</b> 3000K
	<input type="checkbox"/> <b>13</b> 1300lm		<input type="checkbox"/> <b>35</b> 3500K
	<input type="checkbox"/> <b>20</b> 2000lm		<input type="checkbox"/> <b>40</b> 4000K
	<input type="checkbox"/> <b>30<sup>1</sup></b> 3000lm		

<sup>1</sup>Available for 83CRI only

5. REFLECTOR - DIRECT (CHOOSE 1)	6. OPTICAL ACCESSORY - DIRECT (CHOOSE 1)	7. OUTPUT - INDIRECT* (CHOOSE 1)	8. CRI - INDIRECT (CHOOSE 1)
<input type="checkbox"/> <b>10<sup>2</sup></b> 10° (0.3 S/MH)	<input type="checkbox"/> <b>NN</b> None	<input type="checkbox"/> <b>07</b> 700lm	<input type="checkbox"/> <b>83</b> 83
<input type="checkbox"/> <b>20</b> 20° (0.4 S/MH)	<input type="checkbox"/> <b>HL</b> Honeycomb Louver	<input type="checkbox"/> <b>10</b> 950lm	<input type="checkbox"/> <b>98</b> 98
<input type="checkbox"/> <b>40</b> 40° (0.7 S/MH)	<input type="checkbox"/> <b>DF</b> Diffusion Lens	<input type="checkbox"/> <b>13</b> 1300lm	
<input type="checkbox"/> <b>60</b> 60° (0.8 S/MH)	<input type="checkbox"/> <b>LS</b> Linear Spread Lens (60° x 1°)	<input type="checkbox"/> <b>20</b> 2000lm	
<input type="checkbox"/> <b>80</b> 80° (1.3 S/MH)	<input type="checkbox"/> <b>WW</b> Wall Wash Lens (shifts beam 20° from vertical)	<input type="checkbox"/> <b>30<sup>3</sup></b> 3000lm	
	<input type="checkbox"/> <b>FT<sup>4</sup></b> Forward Throw		

<sup>2</sup>Beam angles noted above are nominal.  
<sup>3</sup>Available for 700lm, 950lm, and 1300lm only.  
<sup>4</sup>Available for sconce only.

9. CCT - INDIRECT (CHOOSE 1)	10. REFLECTOR - INDIRECT (CHOOSE 1)	11. OPTICAL ACCESSORY - INDIRECT (CHOOSE 1)	12. DRIVER LOCATION* (CHOOSE 1)
<input type="checkbox"/> <b>27</b> 2700K	<input type="checkbox"/> <b>10<sup>2</sup></b> 10° (0.3 S/MH)	<input type="checkbox"/> <b>NN</b> None	<input type="checkbox"/> <b>N<sup>5,6</sup></b> Internal
<input type="checkbox"/> <b>30</b> 3000K	<input type="checkbox"/> <b>20</b> 20° (0.4 S/MH)	<input type="checkbox"/> <b>DF</b> Diffusion Lens	<input type="checkbox"/> <b>R</b> Remote
<input type="checkbox"/> <b>35</b> 3500K	<input type="checkbox"/> <b>40</b> 40° (0.7 S/MH)	<input type="checkbox"/> <b>LS</b> Linear Spread Lens (60° x 1°)	<input type="checkbox"/> <b>D<sup>7</sup></b> Deep Canopy
<input type="checkbox"/> <b>40</b> 4000K	<input type="checkbox"/> <b>60</b> 60° (0.8 S/MH)	<input type="checkbox"/> <b>WW</b> Wall Wash Lens (shifts beam 20° from vertical)	
	<input type="checkbox"/> <b>80</b> 80° (1.3 S/MH)	<input type="checkbox"/> <b>FT<sup>4</sup></b> Forward Throw	

<sup>5</sup>See 'Dimming/driver location compatibility on page 6 to ensure correct dimming specification.  
<sup>6</sup>Sconce only.  
<sup>7</sup>Internal drivers located in arm on sconces.  
<sup>8</sup>Not available for sconces.

13. DIMMING* (CHOOSE 1)	14. NUMBER OF CIRCUITS (CHOOSE 1)	15. SHELL COLOR* (CHOOSE 1)	16. EMERGENCY OPTIONS* (OPTIONAL)
<input type="checkbox"/> <b>V10</b> (0-10V, dim to 10%)	<input type="checkbox"/> <b>1C</b> 1 Circuit	<b>FINISHES**</b>	<input type="checkbox"/> <b>EMB<sup>9</sup></b> Emergency Battery
<input type="checkbox"/> <b>P10</b> (Phase, dim to 10%)	<input type="checkbox"/> <b>2C</b> 2 Circuits	<input type="checkbox"/> <b>SG</b> Silver Gray	
<input type="checkbox"/> <b>ELDV0<sup>8</sup></b> (eLdLED, 0-10V, dim to 0%)		<input type="checkbox"/> <b>SW</b> Satin White	
<input type="checkbox"/> <b>LDE1<sup>8</sup></b> (Lutron ECOSYS1, 0-10V, dim to 1%)		<input type="checkbox"/> <b>SB</b> Satin Black	
<input type="checkbox"/> <b>LTEA<sup>8</sup></b> (Lutron HI-Lume, Phase dim, 2-wire to 1%)		<input type="checkbox"/> <b>---</b> Specify Finish Code (Ex: OB = Oil-Rubbed Bronze)	
<input type="checkbox"/> <b>DALI<sup>9</sup></b> (DALI, dim to 0%)		<b>SPECIAL ORDER FINISHES**</b>	
<input type="checkbox"/> <b>DMX<sup>9</sup></b> (DMX, dim to 0%)		<input type="checkbox"/> <b>RAL_____</b> Specify RAL Classic Color (Ex: RAL 3003) -	
		<input type="checkbox"/> <b>CAT_____</b> Specify Catalog Colors	
		<input type="checkbox"/> <b>CCM_____</b> Specify Custom Color Match	

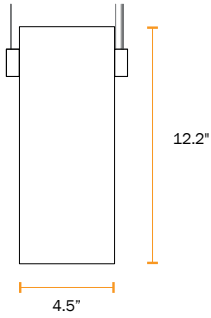
<sup>8</sup>See 'Driver' and 'dimming/driver compatibility' charts for dimming compatibility.  
<sup>9</sup>Premium drivers available for remote driver location only.  
<sup>10</sup>Emergency options only available with 0-10V driver options. Third party inverter system recommended for other driver options. Refer to [ALW EM Solution Catalog](#) for all compatibility exceptions.  
<sup>11</sup>Available for remote driver only.  
<sup>12</sup>See page 4 for finish chart.  
<sup>13</sup>Manually type the finish code into the parametric code above.

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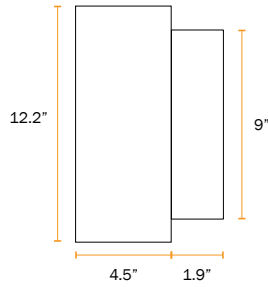


## DIMENSIONS AND MOUNTING

### CORE/WL 4 DIRECT/INDIRECT PENDANT

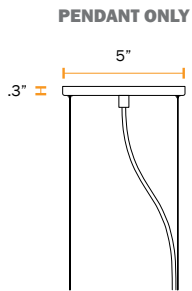


### CORE/WL 4 DIRECT/INDIRECT SCONCE



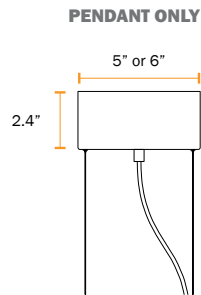
### REMOTE DRIVER

#### STANDARD SHALLOW CANOPY



### DEEP CANOPY MOUNTED DRIVER<sup>10,11</sup>

#### DEEP CANOPY FOR CANOPY MOUNTED LED DRIVERS



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>10</sup>Deep canopy diameter depends on LED driver size

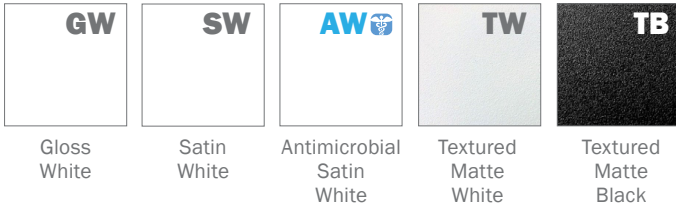
<sup>11</sup>Dual output emergency battery fixtures may require 7" canopy

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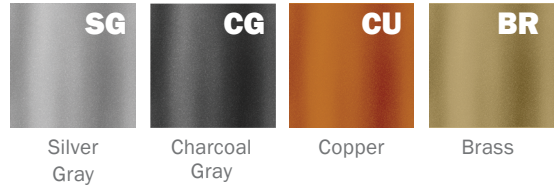


## FINISHES

### BASIC POWDER COAT



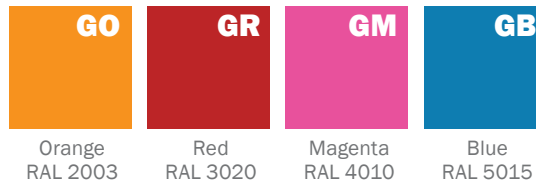
### METALLIC POWDER COAT



### SATIN ANODIZED EFFECT POWDER COAT



### GLOSS POWDER COAT (80-95% GLOSS)



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.alwusa.com/finishes](http://www.alwusa.com/finishes)



### CUSTOM COLOR MATCH: CCM\_ \_ \_ \_

Custom powder coat color matching is available for a premium setup fee. Consult ALW for additional information.



### 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.

\*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>12</sup>	CRI	OUTPUT OPTIONS	DELIVERED LUMENS <sup>13</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	

\*Based on 40° reflector for all outputs.

\*Refer to IES files for full performance data.

<sup>12</sup>10° Reflector only available for 1300lm and lower.

<sup>13</sup>Actual lumens measured in field may differ +/- 10%.



## DRIVERS

PRODUCT CODE	DESCRIPTION
V10	0-10V dimming down to 10%
P10	ELV/TRIAC Phase dimming down to 10%
ELDV0	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
LTEA	LTEA. Lutron Hi-lume 1% 2-wire TRIAC dimming (120V forward-phase only)

\*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>14</sup>	IEEE P1789 & HD TV STUDIO <sup>15</sup>
V10	●		
P10	●		
ELDV0	●	●	●
DALI	●	●	●
DMX	●	●	●
LDE1	●	●	●
LTEA	●	●	

● - Indicates compatibility

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

<sup>14</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>15</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	●	●	●
ELDV0		●	●
DALI		●	●
DMX		●	●
LDE1		●	●
LTEA		●	●

\*Internal driver only available for sconces. For sconces, driver located in sconce arm.



**PHOTOMETRICS CORE/WL**

BEAM ANGLE (°)	POLAR PLOT (CD)	MTG HEIGHT (FT)	LIGHT LEVEL (FC)	BEAM DIAMETER (FT)	SPACING CRITERION (SC) <sup>16</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>16</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 [alwusa.com/warranty](http://alwusa.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