



CORE/WL 4

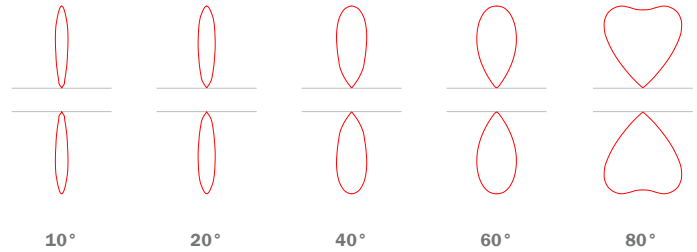
SQUARE, WET LOCATION, DIRECT/INDIRECT ILLUMINATION



SPECIFICATIONS

PROFILE	Square
SIZE	4.5" x 4.5"
LED OUTPUT	700lm - 3,000lm
CCT/CRI	2700K/3000K/3500K/4000K • 83 CRI or 98 CRI
DIMMING/ DRIVER	Internal, Canopy, and Remote Driver: 0-10V, Phase, DALI, DMX, eldoLED, Lutron®. Dimming to 0% for select models.
POWER	11.2W to 58.6W per fixture
INPUT	100VAC to 277VAC Phase dimmable versions are 120VAC only
OPTICS	10° - 80° distribution spun aluminum reflectors. Field replaceable without tools.
FINISHES	16 powder coat finishes Custom finishes also available
MATERIAL	Extruded aluminum with stainless steel hardware
ENVIRONMENT	Wet location, IP66 rated LED module

DISTRIBUTIONS & PROFILES

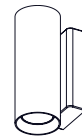


Available in any combination of distributions for direct and indirect.

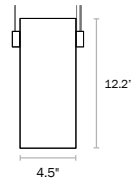
CORE/WL 4
DIRECT/INDIRECT
PENDANT



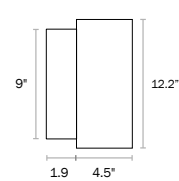
CORE/WL 4
DIRECT/INDIRECT
SCONCE



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: CST4/WL – 20982740HL – 20982740DF – RV10 – 2C – SW – EMB
 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

1. MODEL (CHOOSE 1)	2. OUTPUT - DIRECT * (CHOOSE 1)	3. CRI - DIRECT (CHOOSE 1)	4. CCT - DIRECT (CHOOSE 1)
CST4/WL Pendant	07 700lm	83 83	27 2700K
CSU4/WL Sconce	10 950lm	98 98	30 3000K
	13 1300lm		35 3500K
	20 2000lm		40 4000K
	30¹ 3000lm		

¹Available for 83CRI only

5. REFLECTOR - DIRECT (CHOOSE 1)	6. OPTICAL ACCESSORY - DIRECT (CHOOSE 1)	7. OUTPUT - INDIRECT (CHOOSE 1)	8. CRI - INDIRECT (CHOOSE 1)
10² 10° (0.3 S/MH)	NN None	07 700lm	83 83
20 20° (0.4 S/MH)	HL Honeycomb Louver	10 950lm	98 98
40 40° (0.7 S/MH)	DF Diffusion Lens	13 1300lm	
60 60° (0.8 S/MH)	LS Linear Spread Lens (60° x 1°)	20 2000lm	
80 80° (1.3 S/MH)	WW Wall Wash Lens (shifts beam 20° from vertical)	30³ 3000lm	
	FT⁴ Forward Throw		

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

9. CCT - INDIRECT (CHOOSE 1)	10. REFLECTOR - INDIRECT (CHOOSE 1)	11. OPTICAL ACCESSORY - INDIRECT (CHOOSE 1)	12. DRIVER LOCATION * (CHOOSE 1)
27 2700K	10⁵ 10° (0.3 S/MH)	NN None	N^{6,7} Internal
30 3000K	20 20° (0.4 S/MH)	DF Diffusion Lens	R Remote
35 3500K	40 40° (0.7 S/MH)	LS Linear Spread Lens (60° x 1°)	D⁸ Deep Canopy
40 4000K	60 60° (0.8 S/MH)	WW Wall Wash Lens (shifts beam 20° from vertical)	
	80 80° (1.3 S/MH)	FT⁹ Forward Throw	

⁵Beam angles noted above are nominal.
⁶Available for 700lm, 950lm, and 1300lm only.
⁷Available for sconce only.
⁸See 'Dimming/driver location compatibility' on page 6 to ensure correct dimming specification.
⁹Sconce only.
¹⁰Internal drivers located in arm on sconces.
¹¹Not available for sconces.

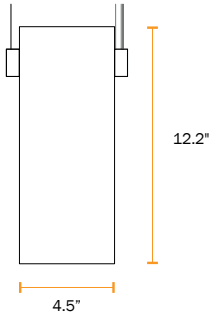
13. DIMMING * (CHOOSE 1)	14. NUMBER OF CIRCUITS (CHOOSE 1)	15. SHELL COLOR* (CHOOSE 1)	16. EMERGENCY OPTIONS* (OPTIONAL)
V10 (0-10V, dim to 10%)	1C 1 Circuit	STANDARD FINISHES	EMB¹⁰ Emergency Battery
P10 (ELV/TRIAC phase dim to 10%)	2C 2 Circuits	SW <input type="checkbox"/> Satin White	
ELDVO¹¹ (eidoLED, 0-10V, dim to 0%)		SB <input type="checkbox"/> Satin Black	
LDE1¹² (Lutron ECOSYS1, 0-10V, dim to 1%)		AS <input type="checkbox"/> Aluminum Silver Anodized Effect	
DALI¹³ (DALI, dim to 0%)		TB <input type="checkbox"/> Textured Black	
DMX¹⁴ (DMX, dim to 0%)		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	

¹⁰Emergency 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.
¹¹Available for remote driver only.
¹²See page 4 for finish chart.
¹³Manually type the finish code into the parametric code above.

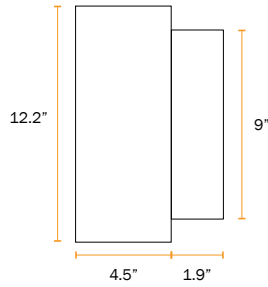


DIMENSIONS AND MOUNTING

CORE/WL 4 DIRECT/INDIRECT PENDANT



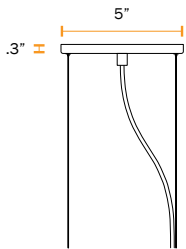
CORE/WL 4 DIRECT/INDIRECT SCONCE



REMOTE DRIVER

STANDARD SHALLOW CANOPY

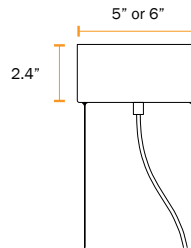
PENDANT ONLY



DEEP CANOPY MOUNTED DRIVER^{11,12}

DEEP CANOPY FOR CANOPY MOUNTED LED DRIVERS

PENDANT ONLY



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

¹¹Deep canopy diameter depends on LED driver size

¹²Dual output emergency battery fixtures may require 7" canopy

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FINISHES

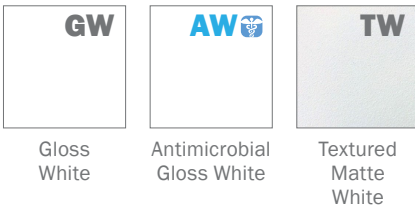
Standard finishes are available at no additional charge.

STANDARD FINISHES

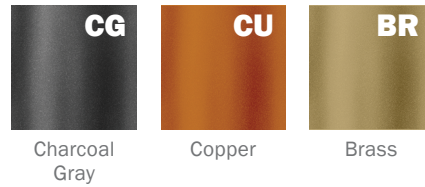


PREMIUM FINISHES

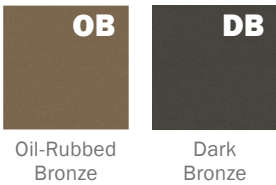
BASIC POWDER COAT



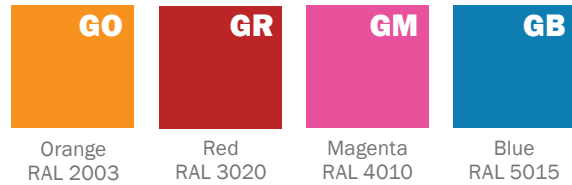
METALLIC POWDER COAT



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.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

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PERFORMANCE DETAILS

REFLECTOR OPTION ¹³	CRI	OUTPUT OPTIONS	DELIVERED LUMENS ¹⁴	EFFICACY (LM/W)	SYSTEM WATTS(W)	CCT OPTIONS
10° 20° 40° 60° 80°	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.

¹³10° Reflector only available for 1300lm and lower.

¹⁴Actual 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.
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

*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 ¹⁵	IEEE P1789 & HD TV STUDIO ¹⁶
V10	●		
P10	●		
ELDV0	●	●	●
DALI	●	●	●
DMX	●	●	●
LDE1	●	●	●

● - Indicates compatibility

*Standard lamping (STD) - 700-3000LM

¹⁵Fixtures 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.

¹⁶The 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		●	●

*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) ¹⁷ (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](#).

¹⁷Spacing 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 for more information.

OUTDOOR RATINGS

Fixture and mounting not rated for high wind environments.

IP 6 6

SOLID OBJECT INGRESS LEVEL	WATER INGRESS LEVEL
6	6
Dust tight	Protected against powerful water jets and heavy seas

WEIGHT

CORE/WL 6			
PENDANT	SURFACE MOUNT	SCONCE	YOKE
9 lbs/ 4.1 kg	9 lbs/ 4.1 kg	9 lbs/ 4.1 kg	9 lbs/ 4.1 kg