CORE/WL 6
ROUND, CUTOUT, WET LOCATION, DIRECT ILLUMINATION
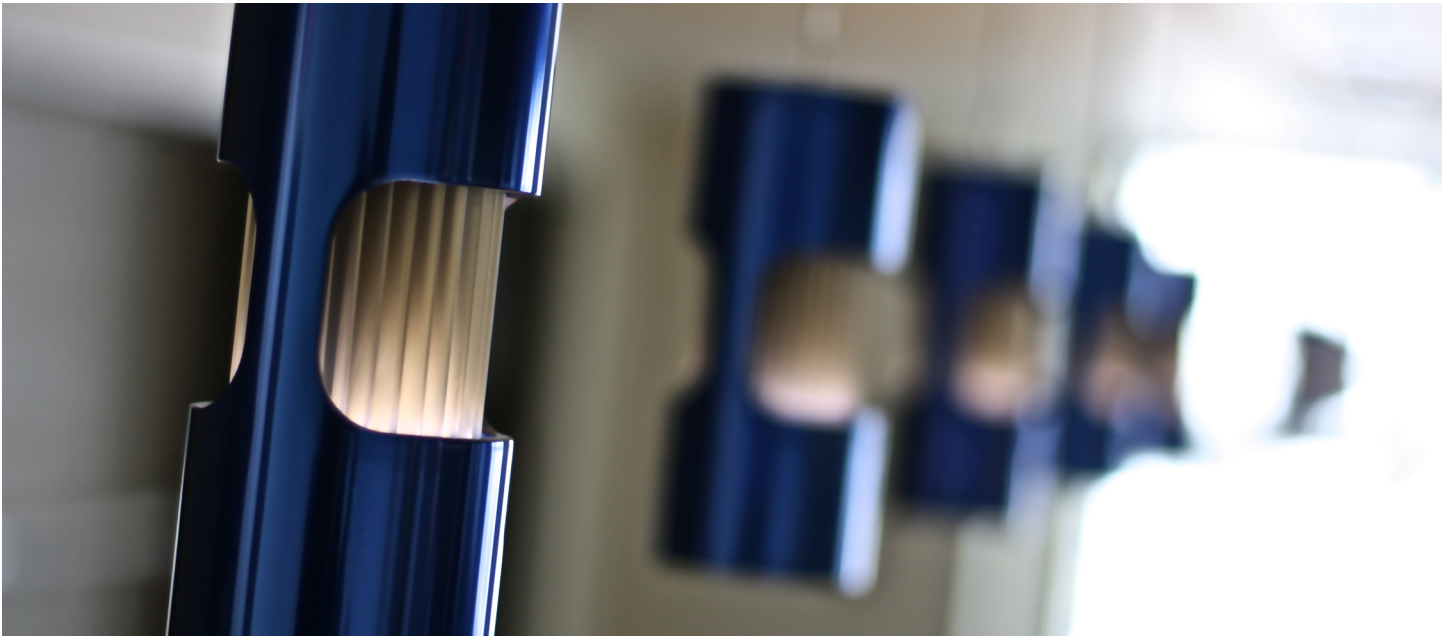
SPECIFICATIONS

PROFILE	Round
SIZE	6" diameter
LED OUTPUT	700lm - 4,000lm
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	5.6W to 39.1W per fixture
INPUT	100VAC to 277VAC Phase dimmable versions are 120VAC only.
OPTICS	10° - 80° distribution spun aluminum reflectors. Field replaceable without tools.
FINISHES	Powder coat - TGIC polyester for exterior and interior use
MATERIAL	Extruded aluminum with stainless steel hardware
ENVIRONMENT	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.
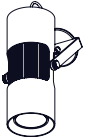
DISTRIBUTIONS & PROFILES

10°	20°	40°	60°	80°
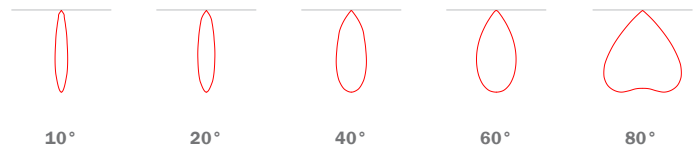
CORE/WL 6 PENDANT | **CORE/WL 6 SURFACE MOUNT** | **CORE/WL 6 SCONCE** | **CORE/WL 6 YOKE**
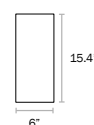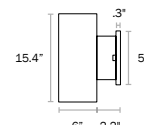
CORE/WL 6 PENDANT — 15.4", 6"
CORE/WL 6 SURFACE MOUNT — 15.4", 6"
CORE/WL 6 SCONCE — .3", 15.4", 5", 6", 2.2"
CORE/WL 6 YOKE — 9.8", 6", 15.4"

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

ETL — Intertek
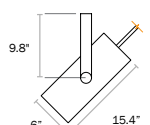
PRODUCT SUBMITTAL QUICK WORKSHEET

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

EXAMPLE: CCP6/WL – 20982740HL – RV10 – DOB – SW – BK – AC – EMB

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

---

1. MODEL (CHOOSE 1)

CCP6/WL	Pendant
CCM6/WL	Surface Mount
CCS6/WL	Sconce
CCY6/WL	Yoke

2. OUTPUT* (CHOOSE 1)

07	700lm
10	950lm
13	1300lm
20	2000lm
30[1]	3000lm
40[1]	4000lm

[1] Available for 83CRI only

3. CRI (CHOOSE 1)

83	83
98	98

4. CCT (CHOOSE 1)

27	2700K
30	3000K
35	3500K
40	4000K

---

5. REFLECTOR* (CHOOSE 1)

10[2]	10° (0.3 S/MH)
20	20° (0.4 S/MH)
40	40° (0.7 S/MH)
60	60° (0.8 S/MH)
80	80° (1.3 S/MH)
BF[3]	Baffle

*Beam angles noted above are nominal.
[2] Available for 2000lm 83CRI and lower or 1300lm 98CRI and lower.
[3] Baffles are only compatible with the NN optical accessory.

6. OPTICAL ACCESSORY* (CHOOSE 1)

NN	None
HL[4]	Honeycomb Louver
DF	Diffusion Lens
LS	Linear Spread Lens (60° x 1°)
WW	Wall Wash Lens (shifts beam 20° from vertical)
FT[5]	Forward Throw

[4] Not available for UP sconce style.
[5] Available for sconce only.

7. DRIVER LOCATION* (CHOOSE 1)

N[6]	Internal
R	Remote
D	Deep Canopy

*See 'Dimming/driver location compatibility on page 7 to ensure correct dimming specification.
[6] Internal driver located in shell.

8. DIMMING* (CHOOSE 1)

V10	(0-10V, dim to 10%)
P10	(ELV/TRIAC phase dim to 10%)
ELDV0[7]	(eldoLED, 0-10V, dim to 0%)
LDE1[7]	(Lutron ECOSYS1, 0-10V, dim to 1%)
DALI[7]	(DALI, dim to 0%)
DMX[7]	(DMX, dim to 0%)

*See 'Driver' and 'dimming/driver compatibility' charts for dimming compatibility.
[7] Premium drivers available for remote driver location only.

---

9. SHELL CUTOUT* (CHOOSE 1)

R	Round
S	Square
D	Dual
Z[8]	Custom

*See page 3 for standard shell cutout options.
[8] Consult factory for custom cutout options.

10. HEAT SINK FINISH* (CHOOSE 1)

STANDARD HEAT SINK FINISHES**

__	Manually type in finish code (Ex: OB = Oil-Rubbed Bronze)

SPECIAL ORDER HEAT SINK FINISHES**

RAL____	Specify RAL Classic Color (Ex: RAL 3003) -
CAT____	Specify Catalog Colors
CCM____	Custom Color Match

*See page 5 for finish chart.
**Manually type the finish code into the parametric code above.

11. SHELL COLOR* (CHOOSE 1)

STANDARD FINISHES

SW ☐	Satin White
SB ◼	Satin Black
AS ▢	Aluminum Silver Anodized Effect
TB ◼	Textured Black

PREMIUM FINISHES

__	See chart on page 5 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

*See page 5 for finish chart.
**Manually type the finish code into the parametric code above.

12. SUSPENSION* (CHOOSE 1)

PENDANT OPTIONS

BK[9]	Black Cord
RS##[10]	Rigid Stem
SS##[10]	Swivel Stem

YOKE OPTIONS

SC	Standard Canopy
RS##[10]	Rigid Stem
SS##[10]	Swivel Stem

*Selection not required for surface mount and sconce.
[9] 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)
[10] Type desired stem length (4" -100") into product code above.

---

13. SUSPENSION OPTIONS* (OPTIONAL CHOOSE 1)

PENDANT OPTIONS

AC	Aircraft Cable
SB[11]	Seismic Bracing

SCONCE OPTIONS

UP[12]	Uplight

[11] Seismic bracing only available for Rigid Stem suspensions.
[12] Includes reflector cover.

14. EMERGENCY OPTIONS* (OPTIONAL)

EMB[13]	Emergency Battery

*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.
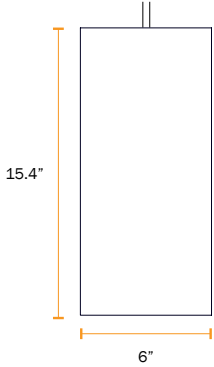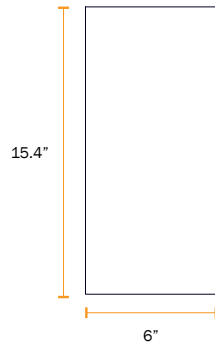[13] Available for remote driver only.

DIMENSIONS AND MOUNTING

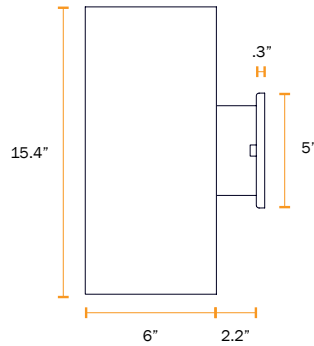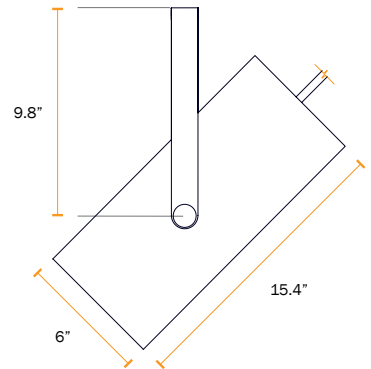**CORE/WL 6 PENDANT**

15.4"

6"

CORE/WL 6 SURFACE

15.4"

6"

CORE/WL 6 SCONCE

.3"
H

15.4"

5"

6"   2.2"

CORE/WL 6 YOKE

9.8"

15.4"

6"

REMOTE DRIVER

STANDARD SHALLOW CANOPY

5"

.3"

PENDANT ONLY

5"

.3"

DEEP CANOPY MOUNTED DRIVER[14]

DEEP CANOPY FOR CANOPY MOUNTED LED DRIVERS

5"- 7.5"

2.4"

PENDANT ONLY

5"- 7.5"

2.4"

SCONCE ONLY

2.4"

5"- 7.5"
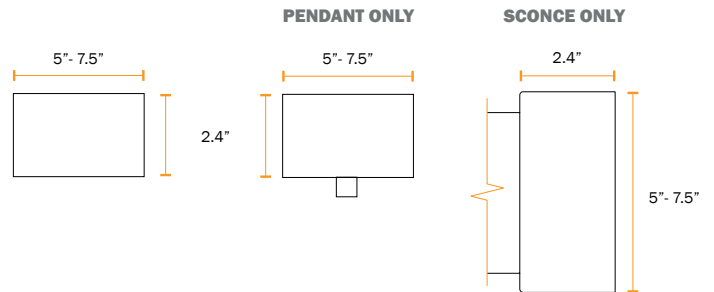
CUTOUT DIMENSIONS[15]

STANDARD DIMENSIONS FOR CUTOUT

SQUARE

5.1"

5.2"

5.1"

6"

ROUND

5.2"

6"

DUAL

1.8"

1.8"

1.6"

6"
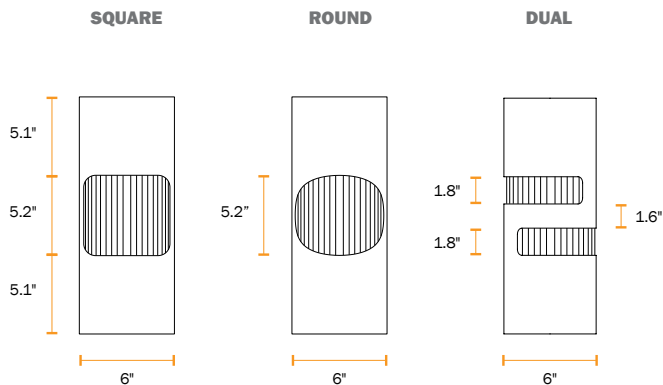
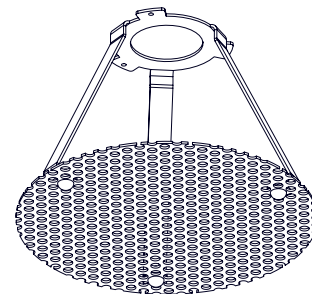### BAFFLE

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.
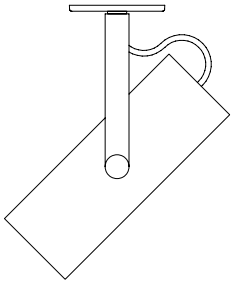[14]Deep canopy diameter depends on LED driver size
[15]Cutout position and dimension is consistant for all standard cutouts.
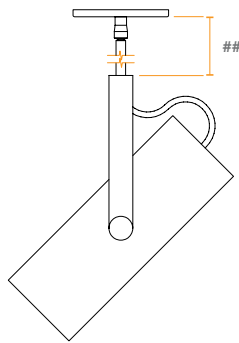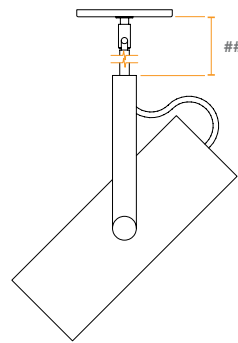
SS093024

DIMENSIONS AND MOUNTING

YOKE
STANDARD CANOPY

YOKE
RIGID STEM

includes 10° hang straight

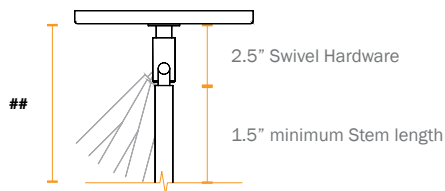### YOKE
SWIVEL STEM

360° rotation x 90° tilt swivel

##

##

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

PENDANT SUSPENSION OPTIONS

SWIVEL STEM

##

2.5" Swivel Hardware

1.5" minimum Stem length

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

##

2.5" Rigid Hardware

1.5" minimum Stem length
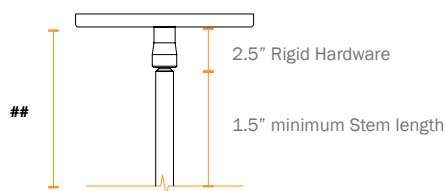
Order Code = **RS##**

= 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
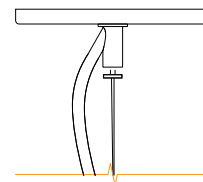
Order Code = **AC**

Standard cable length = 6'

Cable length is field adjustable

Not to scale. Dimensions are nominal consult factory for CAD drawings

CORE/WL 6 – SPECIFICATIONS
ROUND, CUTOUT, WET LOCATION, DIRECT ILLUMINATION

![ALW]

FINISHES

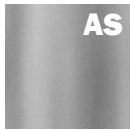Standard finishes are available at no additional charge and no extended lead time for standard configurations.
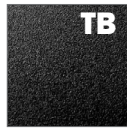
STANDARD FINISHES

AS	**SW**	**SB**	**TB**
Aluminum Silver Anodized Effect	Satin White	Satin Black	Textured Black

PREMIUM FINISHES

BASIC POWDER COAT

GW	**AW**	**TW**
Gloss White	Antimicrobial Gloss White	Textured Matte White
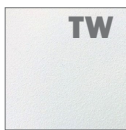
METALLIC POWDER COAT
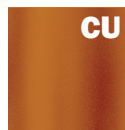
CG	**CU**	**BR**
Charcoal Gray	Copper	Brass

SATIN ANODIZED EFFECT POWDER COAT

OB	**DB**
Oil-Rubbed Bronze	Dark Bronze

GLOSS POWDER COAT (80-95% GLOSS)

GO	**GR**	**GM**	**GB**
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 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[17]	CRI	OUTPUT OPTIONS	DELIVERED LUMENS[18]	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	
		3000	2761	94	29.3	
		4000	3683	94	39.1	
	Ra = 98 ± 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.
[17]*10° Reflector only available for 83CRI 1300lm and lower and 98CRI 950lm and lower.*
[18]*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.
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[19]	IEEE P1789 & HD TV STUDIO[20]
V10	●		
P10	●		
ELDV0	●	●	●
DALI	●	●	●
DMX	●	●	●
LDE1	●	●	●

DRIVER LOCATION/DRIVER COMPATIBILITY			
	INTERNAL	DEEP CANOPY	REMOTE
V10	●	●	●
P10	●	●	●
ELDV0		●	●
DALI		●	●
DMX		●	●
LDE1		●	●

● - Indicates compatibility

*Standard lamping (STD) - 700-4000LM

[19]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.

[20]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.

BEAM ANGLE (°)	POLAR PLOT (CD)	MTG HEIGHT (FT)	LIGHT LEVEL (FC)	BEAM DIAMETER (FT)	SPACING CRITERION (SC)[21] (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.
[21]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 for more information.

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