

# SIMPLESEAL™

## CESL SERIES – SURFACE MOUNT

### PRODUCT FEATURES:

- » Ceiling surface mount – 1'x4', 2'x2', 2'x4'
- » One-piece closed cell extruded nitrile gasket seals doorframe to housing
- » Extruded aluminum, one-piece doorframe with 60° beveled edge for cleanability
- » One-piece, hole-free seam welded housing



### PROJECT INFORMATION

Job Name \_\_\_\_\_

Fixture Type \_\_\_\_\_

Catalog Number \_\_\_\_\_

Approved by \_\_\_\_\_

### SPECIFICATIONS

**HOUSING:** 20-gauge CRS. Hole-free one-piece seam welded construction. White TGIC polyester powder coat finish – 5-step pre-treatment. Salt spray test: 1,000 hours; Reflectance: 92%.

**DOORFRAME:** Die Formed .063" thick aluminum with welded corners. White TGIC Polyester powder coat finish with 5 stage pre-treatment. Salt spray test: 1,000 hours. Continuous angle lens retention system. Mechanical guide for Doorframe fastener alignment. Doorframe secured to housing with stainless steel aircraft cables and (8) for 2x2, (10) for 1x4, (12) for 2x4 captive flush mounted Phillips head stainless steel fasteners.

**LENS:** .125" impact-resistant diffused acrylic lens sealed to perimeter ledge of lens aperture with silicone sealant and secured with continuous lens retention system. Lens orientation – smooth side out. See Options for alternate lens selections. If required, specify lens overlay combinations inner/outer (Example: R/T).

**DOORFRAME GASKET:** One-piece closed cell extruded nitrile gasket seals Doorframe to housing.

**ELECTRICAL:** Available 3000K, 3500K, 4000K and 5000K color temperatures, 82 CRI; maximum 3-step MacAdam variation allowance. 120-277VAC and 347VAC, 50/60Hz electrical input with serviceable high power factor electronic, constant-current driver (<20% THD, >0.95 PF). Standard 0-10V dimming with 1-100% range and dim-to-dark capabilities (non dim-to-dark with 347V); 330µA maximum source current. Consult factory for fluorescent options.

**SENSOR & CONTROLS:** Optional sensor available with compatible third party controls. To see the full list of compatible controls, [click here](#).

**INSTALLATION:** Four .312" holes for surface mounting. See Options for pendant mounting holes.

**WARRANTY:** Limited five (5) year warranty.

**LISTINGS:** Luminaire is certified to UL standards by Intertek Testing Laboratories for Wet Location. UL Classified IP65 per IEC 60598. NSF2 Splash/Non-Food Zone. FED-STD-209E/Class 1 (ISO 3) Cleanrooms. Build America, Buy America Act compliant.



### ORDERING INFORMATION (Ex: CSESL14-67L-35K8-DIM1-120-AF-2H-SYM)

Model	Lamp Power	Lamp Color	Driver Type	Voltage	Doorframe Option	Housing	Lens Type	Options
			<b>DIM1</b>	<b>PAF</b>				
<b>Model</b>	<b>Lamp Color</b>		<b>Housing Options†</b>		<b>Options</b>			
CSESL14	1'x4'	30K8 3000K / 82 CRI min.	2H 20-Ga CRS (STD)		LEL* LED Emergency Battery Backup			
CSESL22	2'x2'	35K8 3500K / 82 CRI min.	5H 20-Ga Type 304 SS		FN* Food Zone/Non-Contact			
CSESL24	2'x4'	40K8 4000K / 82 CRI min.	XH 20-Ga Type 316 SS		FS Fuse & Holder			
		50K8 5000K / 82 CRI min.	PAH .050" Painted Aluminum		PM Pendant Mounting Holes			
<b>Lamp Power</b>	<b>Driver Type</b>		<b>Lens Type</b>		<b>RF</b> Radio Frequency Filter (Voltage specific selection required; N/A with 347V)			
1'x4'	DIM1 0-10V Dimming to 1%		Acrylic		<b>TH</b> 1/2" Trade Size Threaded Hub			
45L 45 Watt LED			SYM Symmetric, Diffused DR Acrylic		<b>TWA</b> Top Wiring Access Hole			
67L 67 Watt LED	<b>Voltage</b>		<b>Specified Lens</b>					
2'x2'	120 120 Volts		SL Specified Lens					
45LD 45 Watt Dual-Row LED	277 277 Volts							
67L 67 Watt LED	347 347 Volts							
2'x4'	DV 120-277 Volts							
45LD 45 Watt Dual-Row LED	<b>Doorframe Options†</b>							
67L 67 Watt LED	PAF .063" Painted Fabricated Aluminum							
90L 90 Watt LED								

† Matching finishes and materials are recommended  
 \* Lensing consists of FDA approved Food Zone clear polycarbonate outer lens and diffused acrylic inner lens  
 ▲ Voltage-specific selection required; n/a with 347V 0°C/32°F min. operating environment.



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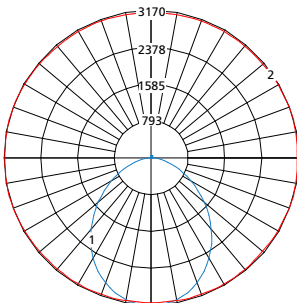
## CESL SERIES – Technical Data

### PERFORMANCE

Model	Lamp Type	Initial Delivered Lumens		Input Power (W)	Drive Current (mA)	Estd. L70 LED Life (Hrs)
		@ 25°C	Efficacy (lm/W)			
CESL14	45L-30K8	4,906	100	49	100	80,000
	45L-35K8	5,140	105			
	45L-40K8	5,230	107			
	45L-50K8	5,439	111			
	67L-30K8	7,514	104	72	75	80,000
	67L-35K8	7,874	109			
	67L-40K8	8,011	111			
	67L-50K8	8,332	116			
CESL22	45LD-30K8	5,212	106	46	50	80,000
	45LD-35K8	5,461	111			
	45LD-40K8	5,556	113			
	45LD-50K8	5,779	118			
	67L-30K8	7,983	111	72	75	80,000
	67L-35K8	8,365	116			
	67L-40K8	8,511	118			
	67L-50K8	8,852	123			
CESL24	45LD-30K8	6,293	137	46	50	100,000
	45LD-35K8	6,593	143			
	45LD-40K8	6,709	146			
	45LD-50K8	6,977	152			
	67L-30K8	8,752	122	72	75	80,000
	67L-35K8	9,171	127			
	67L-40K8	9,331	130			
	67L-50K8	9,704	135			
	90L-30K8	11,247	116	97	100	60,000
	90L-35K8	11,784	121			
	90L-40K8	11,990	124			
	90L-50K8	12,470	129			

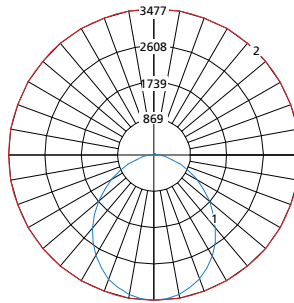
Displayed information is for selected luminaires only. Additional wattages and color temperatures are also available. Visit [www.kenall.com](http://www.kenall.com) for additional information.

Model: CSESL14-67L-40K8-DIM1-DV-PAF-2H-SYM



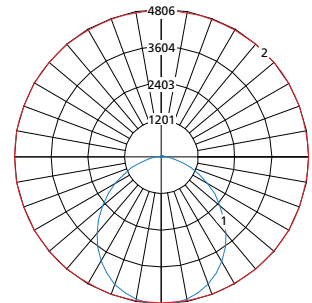
Maximum Candela = 3170 Located At Horizontal Angle = 15, Vertical Angle = 2.5  
 1 - Vertical Plane Through Horizontal Angles (15-195) (Through Max. Cd.)  
 2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

Model: CSESL22-67L-40K8-DIM1-DV-PAF-2H-SYM



Max Candela = 3477 Located At Horizontal Angle = 0, Vertical Angle = 0  
 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
 2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

Model: CSESL24-90L-40K8-DIM1-DV-PAF-2H-SYM



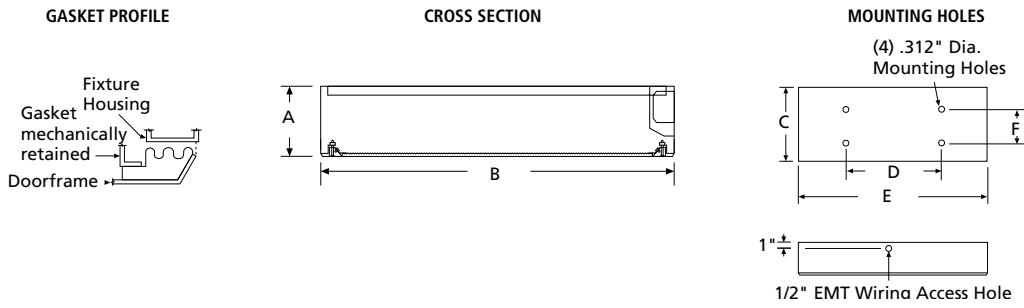
Max Candela = 4806 Located At Horizontal Angle = 0, Vertical Angle = 5  
 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
 2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)



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## CSESL SERIES – Technical Data

### DIMENSIONAL DATA



#### DIMENSIONAL DATA (IN INCHES)

	A	B	C	D	E	F
<b>1x4</b>	4.72	11.44x47.44	11.63	36.00	48.00	7.25
<b>2x2</b>	4.72	23.44x23.44	23.63	12.00	24.00	19.25
<b>2x4</b>	4.72	23.44x47.44	23.63	36.00	48.00	19.25



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