

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 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.

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.



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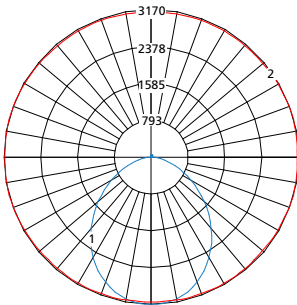
CSESL SERIES – Technical Data

PERFORMANCE

Model	Lamp Type	Initial Delivered Lumens		Input Power (W)	Drive Current (mA)	Estd. L70 LED Life (Hrs)
		@ 25°C	Efficacy (lm/W)			
CSESL14	45L-35K8	5,140	105	49	100	80,000
	45L-40K8	5,230	107	49	100	80,000
	45L-50K8	5,439	111	49	100	80,000
	67L-35K8	7,874	109	72	75	80,000
	67L-40K8	8,011	111	72	75	80,000
	67L-50K8	8,332	116	72	75	80,000
CSESL22	45LD-35K8	5,461	111	46	50	80,000
	45LD-40K8	5,556	113	46	50	80,000
	45LD-50K8	5,779	118	46	50	80,000
	67L-35K8	8,365	116	72	75	80,000
	67L-40K8	8,511	118	72	75	80,000
	67L-50K8	8,852	123	72	75	80,000
CSESL24	45LD-35K8	6,593	143	46	50	100,000
	45LD-40K8	6,709	146	46	50	100,000
	45LD-50K8	6,977	152	46	50	100,000
	67L-35K8	9,171	127	72	75	80,000
	67L-40K8	9,331	130	72	75	80,000
	67L-50K8	9,704	135	72	75	80,000
	90L-35K8	11,784	121	97	100	60,000
	90L-40K8	11,990	124	97	100	60,000
90L-50K8	12,470	129	97	100	60,000	

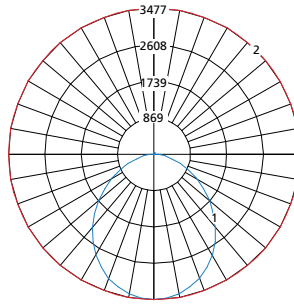
Displayed information is for selected luminaires only. Additional wattages and color temperatures are also available. Visit www.kenall.com for additional information.

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



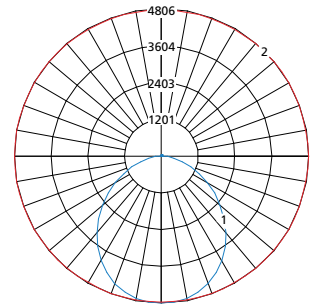
Maximum Candela = 3170 Located At Horizontal Angle = 15, Vertical Angle = 2.5
 1 - Vertical Plane Through Horizontal Angles (15-195) (Through Max. Cd.)
 2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

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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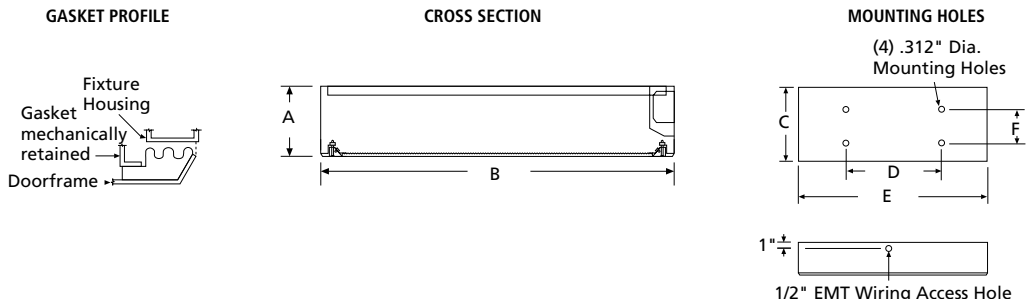
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CSESL SERIES – Technical Data

DIMENSIONAL DATA



DIMENSIONAL DATA (IN INCHES)						
	A	B	C	D	E	F
1x4	4.72	11.44x47.44	11.63	36.00	48.00	7.25
2x2	4.72	23.44x23.44	23.63	12.00	24.00	19.25
2x4	4.72	23.44x47.44	23.63	36.00	48.00	19.25



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