

# SIMPLESEAL™

## CSEPO SERIES – LED – PLENUM ACCESS OVERLAPPING DOOR

### PRODUCT FEATURES:

- » Gasketed plenum access panel secured with captive hardware, providing a reliable seal
- » Large access passage with reinforced structure
- » One-piece overlapping doorframe to ensure air-tight integrity of luminaire
- » Diffused high-efficiency lens for reduced glare
- » Universal installation into 1.0" and 1.5" grid or drywall (flange) ceilings
- » Optional Food Zone/Non-Contact listing, ideal for food processing applications



### PROJECT INFORMATION

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

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

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

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

### SPECIFICATIONS

**HOUSING:** 20-gauge CRS. Hole-free, die formed, seam-welded construction. Integral aluminum heatsink for thermal dissipation. 18-gauge housing flange with mitered and welded corners. White TGIC polyester powder coat finish – 5-step pre-treatment. Salt spray test: 1,000 hours; Reflectance: 92%.

**DOORFRAME:** 20-gauge type 304 stainless steel (#4 finish-post fabrication). One-piece 60° beveled perimeter construction. Continuous angle lens retention system. Mechanical guide for doorframe fastener alignment. Doorframe secured to housing with stainless steel aircraft cables and captive flush mounted Phillips head stainless steel fasteners (8) for 2x2, (12) for 2x4. Thumb screws used for FN option.

**OPTICS:** Symmetric optic includes diffused, impact-resistant acrylic lens. FN option includes FDA approved Food Zone clear polycarbonate lens outer lens; diffused acrylic inner lens.

**DOORFRAME GASKET:** One-piece closed cell extruded Nitrile gasket seals Doorframe to housing and ceiling structure.

**ACCESS PANEL:** 18-gauge CRS panel is cable hinged to housing for room-side removal. 18-gauge welded steel reinforced access opening prevents damage from service personnel. Panel is sealed with a closed cell gasket to housing inner surface.

**ELECTRICAL:** Available 3500K, 4000K and 5000K color temperatures with maximum 3-step MacAdam variation allowance. 120-277VAC or 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 per circuit). Optional 0-10V dimming with 0.1-100% range and dim-to-dark capabilities via eldoLED SOLoDrive series driver (n/a 347V input; ≤0.5V required from dimming control for dim-to-dark operation; 400µA max. source current). Optional DALI control with 1-100% dimming range.

**INSTALLATION:** Non-IC recessed ceiling mounting into grid and flange application types. Flange installation utilizes included adjustable swing-out mounting brackets. Grid installation suitable for 1" and 1.5" T-bar ceilings. Housing is field-convertible between grid and flange-style mounting types. See Options for install frame.

**PHOTOMETRICS:** Photometry tested to the IESNA LM-79-08 standard. For additional photometric data, please go to [www.kenall.com](http://www.kenall.com).

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

**LISTINGS:** Luminaire is certified to UL standards by Intertek Testing Laboratories for Wet Location. Certified IP6x from above ceiling (Dust Tight). Certified IP66 from below per IEC 60598. NSF2 Splash/Non-Food Zone. CCEA Approved. Suitable for Biosafety Labs Rated BSL 3 and 4. FED-STD-209E/Class 1 (ISO 3) Cleanrooms. Optional NSF2 Food Zone/Non-Contact.



### ORDERING INFORMATION (Ex: CSEPO-24-67L-40K8-DIM1-DV-2F-2H-SYM)

Model	Size	Lamp Power	Lamp Color	Driver	Voltage	Doorframe	Housing	Optics	Options	Accessories
<b>CSEPO</b>	<b>24</b>						<b>2H</b>	<b>SYM</b>		
<b>Size</b>	<b>24</b> 2'x4'	<b>Lamp Power</b>		<b>Driver Type</b>				<b>Optics</b>		
		<b>45LD</b> 45 Watt Dual-Row LED		<b>DIM1</b> 0-10V Dimming to 1%				<b>SYM</b> Symmetric, Diffused DR Acrylic		
		<b>67L</b> 67 Watt LED		<b>DIM01</b> 0-10V Dimming to 0.1% (n/a with 347V)				<b>Options</b>		
		<b>90L</b> 90 Watt LED		<b>DALI</b> DALI Dimming to 1% (n/a with 347V)				<b>LEL</b> 10W Self-Testing Emergency Battery Backup (120V and 277V specified voltages only)		
		<b>Lamp Color</b>		<b>Voltage</b>				<b>AMF*</b> Antimicrobial Finish		
		<b>35K8</b> 3500K / 82 CRI min.		<b>DV</b> 120-277VAC, 50/60Hz				<b>FN**</b> Food Zone/Non-Contact		
		<b>40K8</b> 4000K / 82 CRI min.		<b>120</b> 120VAC				<b>FS</b> Fuse & Holder		
		<b>50K8</b> 5000K / 82 CRI min.		<b>277</b> 277VAC				<b>HJ</b> Sealed Wireway		
				<b>347</b> 347VAC				<b>2C</b> Two Circuit Wiring		
				<b>Doorframe Options</b>				<b>Accessories</b>		
				<b>5F</b> 20-Ga Type 304 SS with 4B Brushed Finish (STD)				<b>IF</b> Install Frame		
				<b>2F</b> 20-Ga CRS in Gloss White						
				<b>Housing Options</b>						
				<b>2H</b> 20-Ga CRS in Gloss White						

\*\* Lensing consists of FDA approved Food Zone clear polycarbonate outer lens and diffused acrylic inner lens  
 ▲ Applied only to exposed painted surfaces of luminaire (not available on stainless steel doorframes)



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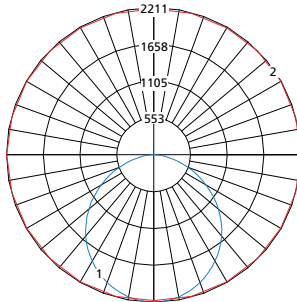
## CSEPO SERIES – LED – PLENUM ACCESS OVERLAPPING DOOR

### PERFORMANCE

Lamp Type	Initial Delivered Lumens		Input Power (W)	Drive Current (mA)	Estd. L70 LED Life (Hrs)	Delivered Output in LEL Battery Mode (lm)
	@ 25°C	Efficacy (lm/W)				
45LD-35K8	5,777	123	47	50	80,000	1,234
45LD-40K8	5,974	128	47	50	80,000	1,276
45LD-50K8	6,383	136	47	50	80,000	1,364
67L-35K8	8,366	115	73	75	80,000	1,152
67L-40K8	8,652	119	73	75	80,000	1,191
67L-50K8	9,244	127	73	75	80,000	1,273
90L-35K8	10,773	109	99	100	60,000	1,093
90L-40K8	11,141	113	99	100	60,000	1,130
90L-50K8	11,903	121	99	100	60,000	1,208

NOTE: Performance information provided with the SYM optic. Reduce output by 11% when specified with FN option. Information subject to change without notice. Visit [www.kenall.com](http://www.kenall.com) for IES files and additional information.

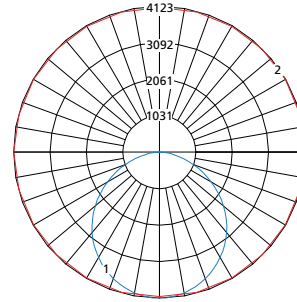
Model: CSEPO24-45LD-40K8-DIM1-DV-2F-2H-SYM



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: CSEPO24-90L-40K8-DIM1-DV-2F-2H-SYM

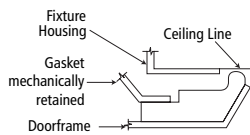


Max Candela = 4469 Located At Horizontal Angle = 0, Vertical Angle = 0

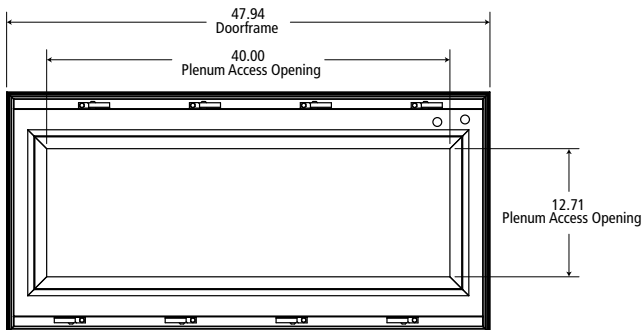
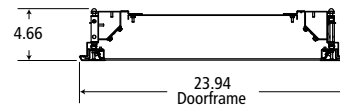
- 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
- 2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

### DIMENSIONAL DATA

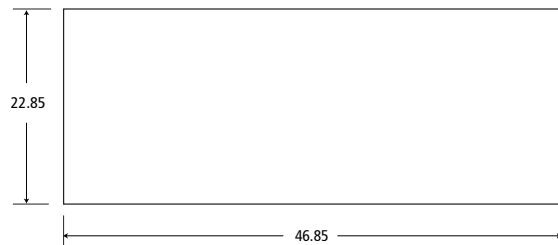
#### GASKET PROFILE



#### CROSS SECTION



#### CEILING CUTOUT



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