

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 3000K, 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 SOLDrive 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.

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
CSEPO	24						2H	SYM		
Size	24 2'x4'	Lamp Power		Driver Type				Optics		
		45LD 45 Watt Dual-Row LED		DIM1 0-10V Dimming to 1%				SYM Symmetric, Diffused DR Acrylic		
		67L 67 Watt LED		DIM01 0-10V Dimming to 0.1% (n/a with 347V)				Options		
		90L 90 Watt LED		DALI DALI Dimming to 1% (n/a with 347V)				LEL 10W Self-Testing Emergency Battery Backup (120V and 277V specified voltages only)		
		Lamp Color		Voltage				AMF* Antimicrobial Finish		
		30K8 3000K / 82 CRI min.		DV 120-277VAC, 50/60Hz				FN** Food Zone/Non-Contact		
		35K8 3500K / 82 CRI min.		120 120VAC				FS Fuse & Holder		
		40K8 4000K / 82 CRI min.		277 277VAC				HJ Sealed Wireway		
		50K8 5000K / 82 CRI min.		347 347VAC				2C Two Circuit Wiring		
				Doorframe Options				Accessories		
				5F 20-Ga Type 304 SS with 4B Brushed Finish (STD)				IF Install Frame		
				2F 20-Ga CRS in Gloss White						
				Housing Options						
				2H 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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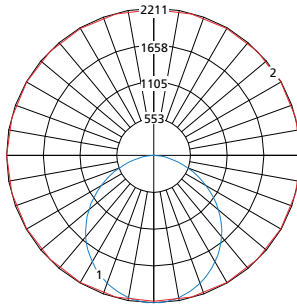
CSEPO SERIES – LED – PLENUM ACCESS OVERLAPPING DOOR

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-30K8	5,604	120	47	50	80,000	1,197
45LD-35K8	5,777	123				1,234
45LD-40K8	5,974	128				1,276
45LD-50K8	6,383	136				1,364
67L-30K8	8,116	112	73	75	80,000	1,117
67L-35K8	8,366	115				1,152
67L-40K8	8,652	119				1,191
67L-50K8	9,244	127				1,273
90L-30K8	10,450	106	99	100	60,000	1,060
90L-35K8	10,773	109				1,093
90L-40K8	11,141	113				1,130
90L-50K8	11,903	121				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 for IES files and additional information.

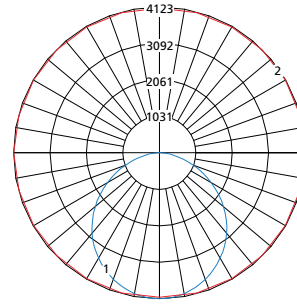
Model: CSEPO24-45LD-40K8-DIM1-DV-2F-2H-SYM



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

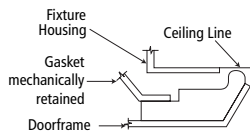


Max Candela = 4469 Located At Horizontal Angle = 0, Vertical Angle = 0

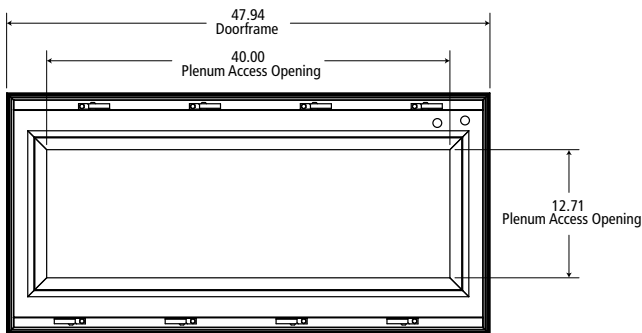
- 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
- 2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

DIMENSIONAL DATA

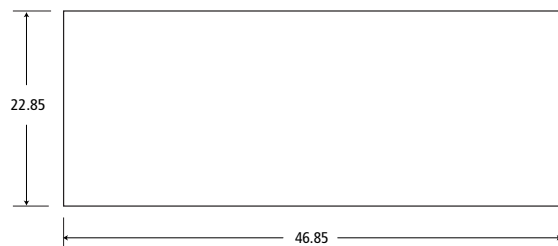
GASKET PROFILE



CROSS SECTION



CEILING CUTOUT



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