

SIMPLESEAL™

CSEDI SERIES – LED – INSET DOOR

PRODUCT FEATURES:

- » High-output, high-CRI LED lamp sources for accurate color rendition and lighting performance
- » Diffused high-efficiency lens for reduced glare
- » Recessed ceiling mount; grid or flange - 1'x4', 2'x2', 2'x4'
- » Suitable for universal installation into 1.0" and 1.5" grid or flange (drywall) ceilings
- » One piece inset doorframe, secured to housing with aircraft cables



PROJECT INFORMATION

Job Name _____
 Fixture Type _____
 Catalog Number _____
 Approved by _____

SPECIFICATIONS

HOUSING: Standard 24-gauge (optional 20-gauge) cold rolled steel, hole-free, one-piece, seam-welded construction. 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: 18-gauge CRS. One-piece inset-style construction with welded corners. Gloss white TGIC polyester powder coat finish with 5-stage pre-treatment. Doorframe secured to housing with stainless steel aircraft cables and captive, flush-mounted Phillips-head fasteners. Closed-cell silicone gasket seals doorframe to housing.

OPTICS: Symmetric optic includes diffused, impact-resistant acrylic lens.

ELECTRICAL: Available 3000K, 3500K, 4000K and 5000K color temperatures with 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 with dim to dark capabilities (non dim-to-dark with 347V; 660µA maximum source current). 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; 800µA max. source current).

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

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. Universal installation into grid or flange (drywall) ceiling applications. See Options for continuous row mounting and install frames.

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 LED warranty.

LISTINGS: Luminaire is certified to UL standards by Intertek Testing Laboratories for Wet Location. Certified IP65 per IEC 60598. NSF2 Splash/Non-Food Zone. CCEA Approved. Suitable for biosafety labs rated BSL 1 and 2. Meets FED-STD-209E/Class 1 (ISO 3) Cleanrooms. Suitable for EU GMP Grade A cleanrooms. Suitable for installation into -30°C to 40°C ambient environments, unless otherwise noted.



ORDERING INFORMATION (Ex: CSEDI-24-67L-40K8-DIM1-DV-2F-4H-SYM)

Model	Size	Lamp Power	Lamp Color	Driver	Voltage	Doorframe	Housing	Optics	Options	Accessories
CSEDI										SYM
Size		Lamp Power		Driver Type				Options		
14 1'x4'		1'x4'		DIM1 0-10V Dimming to 1%				LEL † 8.4W Emergency Battery Pack		
22 2'x2'		45L 45 Watt LED		DIM01 0-10V Dimming to 0.1% (n/a with 347V)				20KV 20KV/KA Surge Protection per IEEE/ANSI C62.41.2 Cat. A		
24 2'x4'		67L 67 Watt LED		Voltage				AMF ▲ Antimicrobial Finish		
		90L 90 Watt LED		DV 120-277VAC, 50/60Hz				FS Fuse & Holder		
		2'x2'		120 120VAC				HJ Sealed Wireway		
		45LD 45 Watt Dual-Row LED		277 277VAC				MS Motion Sensor (n/a with 347 Voltage Option)		
		67L 67 Watt LED		347 347VAC				RF • Radio Frequency Filter		
		90L 90 Watt LED		Doorframe Options				RM † Continuous Row Mounting		
		2'x4'		5F 20-Ga Type 304 SS Brushed				2C Two Circuit Wiring (1'x4'-45L single circuit operation will yield uneven lens luminance)		
		45LD 45 Watt Dual-Row LED		2F 18-Ga CRS (STD)				Accessories		
		67L 67 Watt LED		AF Anodized Aluminum				IF *† Install Frame		
		90L 90 Watt LED		PAF Painted Fabricated Aluminum						
		135L 135 Watt LED		Housing Options						
		180L 180 Watt LED		4H 24-Ga CRS (STD)						
		Lamp Color		2H 20-Ga CRS						
		30K8 3000K / 82 CRI min.		5H 20-Ga Type 304 SS						
		35K8 3500K / 82 CRI min.		PAH .050" Painted Aluminum						
		40K8 4000K / 82 CRI min.		Optics						
		50K8 5000K / 82 CRI min.		SYM Symmetric, Diffused DR Acrylic						

Click **HERE** for CSEDI 'Fast Track' Ordering Options
 Ships in 5 days



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CSEDI SERIES – TECHNICAL DATA

PERFORMANCE		Initial Delivered Lumens		Input Power (W)	Drive Current (mA)	Estd. L70 LED Life (Hrs)
Model	Lamp Type	@ 25°C	Efficacy (lm/W)			
CSEDI14	45L-30K8	4,906	100	49	100	80,000
	45L-35K8	5,057	103			
	45L-40K8	5,230	107			
	45L-50K8	5,439	111			
	67L-35K8	7,514	104	72	75	80,000
	67L-35K8	7,747	108			
	67L-40K8	8,011	111			
	67L-50K8	8,332	116			
	90L-30K8	9,587	99	97	100	60,000
	90L-35K8	9,884	102			
	90L-40K8	10,221	105			
90L-50K8	10,630	110				
CSEDI22	45LD-30K8	5,212	106	49	100	80,000
	45LD-35K8	5,373	110			
	45LD-40K8	5,556	113			
	45LD-50K8	5,779	118			
	67L-30K8	7,984	111	72	75	80,000
	67L-35K8	8,231	114			
	67L-40K8	8,511	118			
	67L-50K8	8,852	123			
	90L-30K8	10,259	106	97	100	60,000
	90L-35K8	10,576	109			
	90L-40K8	10,937	113			
90L-50K8	11,374	117				
CSEDI24	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	8,753	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	11,594	120			
	90L-40K8	11,990	124			
	90L-50K8	12,470	129			
	135L-30K8	15,943	108	147	100	60,000
	135L-35K8	16,436	112			
	135L-40K8	16,997	116			
	135L-50K8	17,677	120			
	180L-30K8	21,739	111	196	100	60,000
	180L-35K8	22,411	114			
180L-40K8	23,176	118				
180L-50K8	24,103	123				

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



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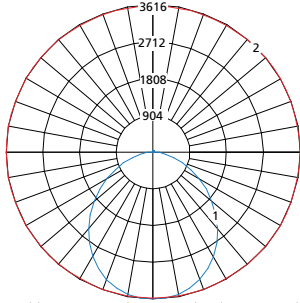
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CSEDI SERIES – TECHNICAL DATA

PERFORMANCE

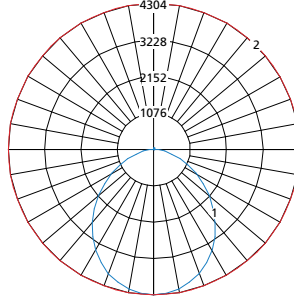
Model: CSEDI-14-67L-40K8-DIM1-DV-2F-2H-SYM



Maximum Candela = 3616 Located At Horizontal Angle = 15, Vertical Angle = 5

— 1 - Vertical Plane Through Horizontal Angles (15-195) (Through Max. Cd.)
 — 2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

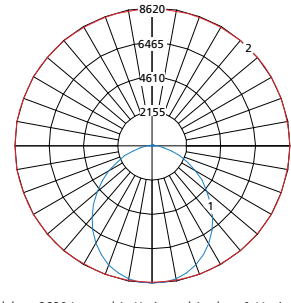
Model: CSEDI-22-90L-40K8-DIM1-DV-2F-2H-SYM



Max Candela = 4304 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.)

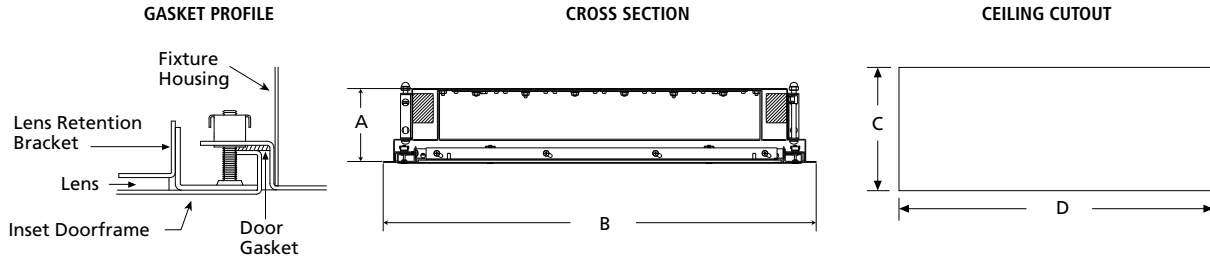
Model: CSEDI-24-180L-40K8-DIM1-DV-2F-2H-SYM



Max Candela = 8620 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.)

DIMENSIONAL DATA



DIMENSIONAL DATA (IN INCHES & CENTIMETERS)

	A	B	C	D
12x48	4.20	11.75 x 47.75	10.85	46.85
30.48cmx121.92cm	10.67	29.85 x 121.29	27.56	119.00
24x24	4.20	23.75 x 23.75	22.85	22.85
60.96cmx60.96cm	10.67	60.33 x 60.33	58.04	58.04
24x48	4.20	23.75 x 47.75	22.85	46.85
60.96cmx121.92cm	10.67	60.33 x 121.29	58.04	119.00

* Add .375" (.95cm) to ceiling cut out dimensions when IF Option is specified

** Height is 5.875" (15 cm) with 135L lamp option when ordered in conjunction with LEL option.



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