

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. CSEDI is participating in Declare. Build America, Buy America Act compliant.



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 ‡ 10W 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 / CRI		2H 20-Ga CRS						
		30K8 3000K / 82 CRI min.		5H 20-Ga Type 304 SS						
		30K9 3000K / 90 CRI min.		PAH .050" Painted Aluminum						
		35K8 3500K / 82 CRI min.		Optics						
		35K9 3500K / 90 CRI min.		SYM Symmetric, Diffused DR Acrylic						
		40K8 4000K / 82 CRI min.								
		40K9 4000K / 90 CRI min.								
		50K8 5000K / 82 CRI min.								
		50K9 5000K / 90 CRI min.								

Click [HERE](#) for CSEDI 'Fast Track' Ordering Options
Ships in 5 days



www.kenall.com | P: 800-4-Kenall | F: 262-891-9700 | 10200 55th Street Kenosha, Wisconsin 53144, USA
This product is able to comply with the latest domestic preference legislation, such as the Buy American Act (BAA), Trade Agreement Act (TAA), Build America, Buy America Act (BABA), and others. It may be covered by patents found at www.kenall.com/patents. Content of specification sheets is subject to change; please consult www.kenall.com for current product details. ©2025 Kenall Mfg. Co.

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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	5,241	107	49	100	80,000
	45L-35K8	5,403	110			
	45L-40K8	5,587	114			
	45L-50K8	5,810	119			
	67L-30K8	8,028	112	72	75	80,000
	67L-35K8	8,277	115			
	67L-40K8	8,559	119			
	67L-50K8	8,901	124			
	90L-30K8	10,243	105	98	100	60,000
	90L-35K8	10,560	108			
	90L-40K8	10,920	111			
	90L-50K8	11,357	116			
CSEDI22	45LD-30K8	5,069	103	49	100	80,000
	45LD-35K8	5,226	107			
	45LD-40K8	5,404	110			
	45LD-50K8	5,620	115			
	67L-30K8	7,765	108	72	75	80,000
	67L-35K8	8,005	111			
	67L-40K8	8,278	115			
	67L-50K8	8,609	120			
	90L-30K8	9,978	102	98	100	60,000
	90L-35K8	10,286	105			
	90L-40K8	10,637	109			
	90L-50K8	11,062	113			
CSEDI24	45LD-30K8	5,851	127	46	50	100,000
	45LD-35K8	6,238	136			
	45LD-40K8	6,347	138			
	45LD-50K8	6,601	143			
	67L-30K8	8,139	113	72	75	80,000
	67L-35K8	8,677	121			
	67L-40K8	8,828	123			
	67L-50K8	9,181	128			
	90L-30K8	10,641	109	98	100	60,000
	90L-35K8	10,970	112			
	90L-40K8	11,344	116			
	90L-50K8	11,798	120			
	135L-30K8	15,084	103	147	100	60,000
	135L-35K8	15,550	106			
	135L-40K8	16,081	109			
	135L-50K8	16,724	114			
	180L-30K8	20,568	105	196	100	60,000
	180L-35K8	21,203	108			
180L-40K8	21,927	112				
180L-50K8	22,804	116				

90 CRI MULTIPLIER

Lamp Color / CCT	Lumen Multiplier
30K9	0.83
35K9	0.87
40K9	0.89
50K9	0.89

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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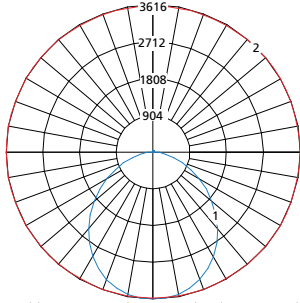
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CSEDI SERIES – TECHNICAL DATA

PERFORMANCE

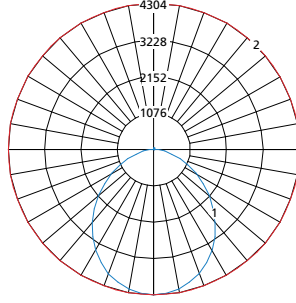
Model: CSEDI-14-67L-40K8-DIM1-DV-2F-2H-SYM



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.)

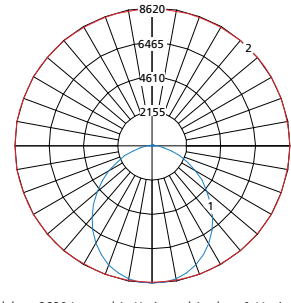
Model: CSEDI-22-90L-40K8-DIM1-DV-2F-2H-SYM



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.)

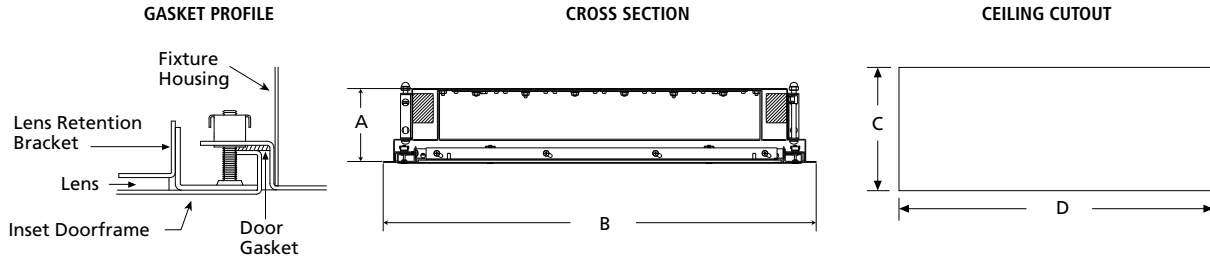
Model: CSEDI-24-180L-40K8-DIM1-DV-2F-2H-SYM



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
30.48cm x 121.92cm	10.67	29.85 x 121.29	27.56	119.00
24x24	4.20	23.75 x 23.75	22.85	22.85
60.96cm x 60.96cm	10.67	60.33 x 60.33	58.04	58.04
24x48	4.20	23.75 x 47.75	22.85	46.85
60.96cm x 121.92cm	10.67	60.33 x 121.29	58.04	119.00

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



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