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'×4', 2'×2', 2'×4'

» 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

1'×4'　　**2'×2'**　　**2'×4'**

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.

LED ｜ c**ETL**us ｜ **IP65** ｜ **NSF** ｜ **ISO 3 Class 1** ｜ **CCEA Approved** ｜ **BSL 1-2**

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
14 1'×4'
22 2'×2'
24 2'×4'

Lamp Power

1'×4'
45L 45 Watt LED
67L 67 Watt LED
90L 90 Watt LED

2'×2'
45LD 45 Watt Dual-Row LED
67L 67 Watt LED
90L 90 Watt LED

2'×4'
45LD 45 Watt Dual-Row LED
67L 67 Watt LED
90L 90 Watt LED
135L 135 Watt LED
180L 180 Watt LED

Lamp Color
30K8 3000K / 82 CRI min.
35K8 3500K / 82 CRI min.
40K8 4000K / 82 CRI min.
50K8 5000K / 82 CRI min.

Driver Type
DIM1 0-10V Dimming to 1%
DIM01 0-10V Dimming to 0.1% (n/a with 347V)

Voltage
DV 120-277VAC, 50/60Hz
120 120VAC
277 277VAC
347 347VAC

Doorframe Options
5F 20-Ga Type 304 SS Brushed
2F 18-Ga CRS (STD)
AF Anodized Aluminum
PAF Painted Fabricated Aluminum

Housing Options
4H 24-Ga CRS (STD)
2H 20-Ga CRS
5H 20-Ga Type 304 SS
PAH .050" Painted Aluminum

Optics
SYM Symmetric, Diffused DR Acrylic

Options
LEL‡ 8.4W Emergency Battery Pack
20KV 20KV/KA Surge Protection per IEEE/ANSI C62.41.2 Cat. A
AMF▲ Antimicrobial Finish
FS Fuse & Holder
HJ Sealed Wireway
MS Motion Sensor (n/a with 347 Voltage Option)
RF• Radio Frequency Filter
RM† Continuous Row Mounting
2C Two Circuit Wiring (1'x4'-45L single circuit operation will yield uneven lens luminance)

Accessories
IF*† Install Frame

* Add .375" to ceiling cut out dimensions
† Only available when installed in drywall ceilings (flange mount)
• Voltage specific selection required
‡ n/a with 180L lamp option or 347V input; voltage-specific selection required and height of fixture is 5.875" when specified with 135L lamp option; 0°C/32ºF min. operating environment.
▲ Applied only to exposed painted surfaces of luminaire (not available on stainless steel doorframes)

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

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CSEDI SERIES – TECHNICAL DATA

PERFORMANCE

Model	Lamp Type	Initial Delivered Lumens		Input Power (W)	Drive Current (mA)	Estd. L$_{70}$ LED Life (Hrs)
		@ 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			

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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CSEDI SERIES – TECHNICAL DATA
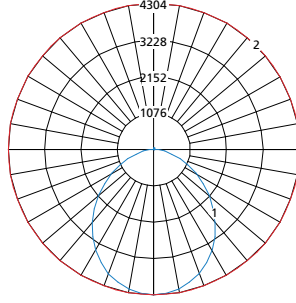
PERFORMANCE

Model: CSEDI-14-67L-40K8-DIM1-DV-2F-2H-SYM
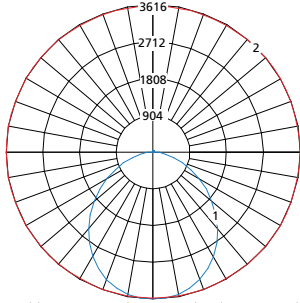
Maximum Candela = 3616 Located At Horizontal Angle = 15, Vertical Angle = 5

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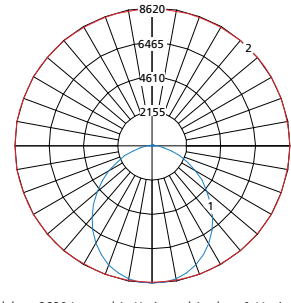— 2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

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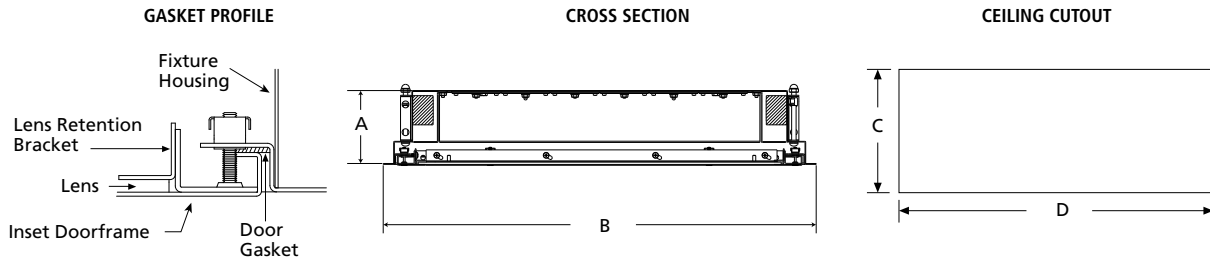
Model: CSEDI-24-180L-40K8-DIM1-DV-2F-2H-SYM

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

GASKET PROFILE

CROSS SECTION

CEILING CUTOUT

DIMENSIONAL DATA (IN INCHES & CENTIMETERS)

	A	B	C	D
12×48	4.20	11.75 × 47.75	10.85	46.85
30.48cm×121.92cm	10.67	29.85 × 121.29	27.56	119.00
24×24	4.20	23.75 × 23.75	22.85	22.85
60.96cm×60.96cm	10.67	60.33 × 60.33	58.04	58.04
24×48	4.20	23.75 × 47.75	22.85	46.85
60.96cm×121.92cm	10.67	60.33 × 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.