

# 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 \_\_\_\_\_



1'x4'

2'x2'

2'x4'

### SPECIFICATIONS

**HOUSING:** 20-gauge CRS. Hole-free, one-piece, seam-welded construction. Integral aluminum heat sink 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:** 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 3500K, 4000K and 5000K color temperatures with maximum 3-step MacAdam variation allowance. 120-277VAC, 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 660µA maximum source current.

**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](http://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 K230 Leakage Standard for luminaire leakage in pressurized environments and FED-STD-209E/Class 1 (ISO 3) Cleanrooms. DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC listed. Please check the DLC Qualified Products List [here](#) for listed configuration details. Suitable for installation into -30°C to 40°C ambient environments, unless otherwise noted.



### ORDERING INFORMATION (Ex: CSEDI-24-67L40K-DCC-DV-2F-2H-SYM)

Model	Size	Lamp Type	Driver	Voltage	Doorframe	Housing	Optics	Options	Accessories
CSEDI			DCC		SYM				

Size	Lamp Type	2'x4'	Housing Options
14 1'x4'	1'x4'	45L35K* 45 Watt 3500K LED (82 CRI)	2H 20-Ga CRS (STD)
22 2'x2'	45L40K* 45 Watt 4000K LED (82 CRI)	45L40K* 45 Watt 4000K LED (82 CRI)	5H 20-Ga Type 304 SS
24 2'x4'	45L50K* 45 Watt 5000K LED (82 CRI)	45L50K* 45 Watt 5000K LED (82 CRI)	PAH .050" Painted Aluminum
	67L35K 67 Watt 3500K LED (82 CRI)	67L35K 67 Watt 3500K LED (82 CRI)	<b>Optics</b>
	67L40K 67 Watt 4000K LED (82 CRI)	67L40K 67 Watt 4000K LED (82 CRI)	SYM Symmetric, Diffused DR Acrylic
	67L50K 67 Watt 5000K LED (82 CRI)	67L50K 67 Watt 5000K LED (82 CRI)	<b>Options</b>
	90L35K 90 Watt 3500K LED (82 CRI)	90L35K 90 Watt 3500K LED (82 CRI)	LEL‡ Emergency Battery Pack (not available with DV or 347 Voltage option)
	90L40K 90 Watt 4000K LED (82 CRI)	90L40K 90 Watt 4000K LED (82 CRI)	10KV 10KV/KA Surge Protection per IEEE/ANSI C62.41 Cat. A
	90L50K 90 Watt 5000K LED (82 CRI)	90L50K 90 Watt 5000K LED (82 CRI)	AMF▲ Antimicrobial Finish
	2'x2'	135L35K 135 Watt 3500K LED (82 CRI)	FS Fuse & Holder
	45L35K* 45 Watt 3500K LED (82 CRI)	135L40K 135 Watt 4000K LED (82 CRI)	HJ Sealed Wireway
	45L40K* 45 Watt 4000K LED (82 CRI)	135L50K 135 Watt 5000K LED (82 CRI)	MS Motion Sensor (n/a with 347 Voltage Option)
	45L50K* 45 Watt 5000K LED (82 CRI)	180L35K 180 Watt 3500K LED (82 CRI)	RF• Radio Frequency Filter
	67L35K 67 Watt 3500K LED (82 CRI)	180L40K 180 Watt 4000K LED (82 CRI)	RM† Continuous Row Mounting
	67L40K 67 Watt 4000K LED (82 CRI)	180L50K 180 Watt 5000K LED (82 CRI)	2C Two Circuit Wiring
	67L50K 67 Watt 5000K LED (82 CRI)	<b>Driver Type</b>	<b>Accessories</b>
	90L35K 90 Watt 3500K LED (82 CRI)	DCC Dimming Constant Current	IF*† Install Frame
	90L40K 90 Watt 4000K LED (82 CRI)	<b>Voltage</b>	
	90L50K 90 Watt 5000K LED (82 CRI)	DV 120/277VAC, 50/60Hz	
		120 120VAC	
		277 277VAC	
		347 347VAC	
		<b>Doorframe Options</b>	
		5F 20-Ga Type 304 SS Brushed	
		2F 18-Ga CRS (STD)	
		AF Anodized Aluminum	
		PAF Painted Fabricated Aluminum	

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

\* Add .375" to ceiling cut out dimensions  
† Only available when installed in drywall ceilings (flange mount)  
• Voltage specific selection required  
‡ Height of fixture is 5.875" with LEL Option  
▲ Applied only to exposed painted surfaces of luminaire (not available on stainless steel doorframes)  
▼ n/a with 2C Option



[www.kenall.com](http://www.kenall.com)

P: 800-4-Kenall

F: 262-891-9701

10200 55th Street Kenosha, Wisconsin 53144

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**SIMPLESEAL™****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	45L35K	5,403	110	49	100	80,000
	45L40K	5,587	114	49	100	80,000
	45L50K	5,970	122	49	100	80,000
	67L35K	8,277	115	72	75	80,000
	67L40K	8,559	119	72	75	80,000
	67L50K	9,144	127	72	75	80,000
	90L35K	10,560	108	98	100	60,000
	90L40K	10,920	111	98	100	60,000
	90L50K	11,667	119	98	100	60,000
CSEDI22	45L35K	5,226	107	49	100	80,000
	45L40K	5,404	110	49	100	80,000
	45L50K	5,774	118	49	100	80,000
	67L35K	8,005	111	72	75	80,000
	67L40K	8,278	115	72	75	80,000
	67L50K	8,844	123	72	75	80,000
	90L35K	10,286	105	98	100	60,000
	90L40K	10,637	109	98	100	60,000
	90L50K	11,365	116	98	100	60,000
CSEDI24	45L35K	5,160	105	49	100	80,000
	45L40K	5,336	109	49	100	80,000
	45L50K	5,701	116	49	100	80,000
	67L35K	8,537	119	72	75	80,000
	67L40K	8,828	123	72	75	80,000
	67L50K	9,432	131	72	75	80,000
	90L35K	10,970	112	98	100	60,000
	90L40K	11,344	116	98	100	60,000
	90L50K	12,120	124	98	100	60,000
	135L35K	15,550	106	147	100	60,000
	135L40K	16,081	109	147	100	60,000
	135L50K	17,181	117	147	100	60,000
	180L35K	21,203	108	196	100	60,000
	180L40K	21,927	112	196	100	60,000
	180L50K	23,427	120	196	100	60,000

Displayed information is for selected luminaires only. Additional wattages and color temperatures are also available. Visit [www.kenall.com](http://www.kenall.com) for additional information.



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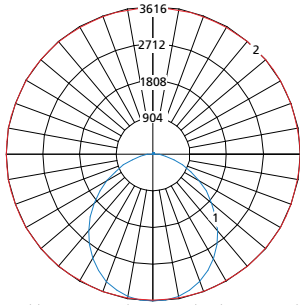
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# SIMPLESEAL™

## CSEDI SERIES – TECHNICAL DATA

### PERFORMANCE

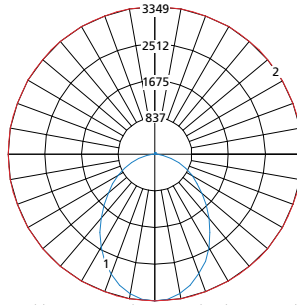
Model: CSEDI14-67L40K-DCC-1-DV-2F-2H



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.)

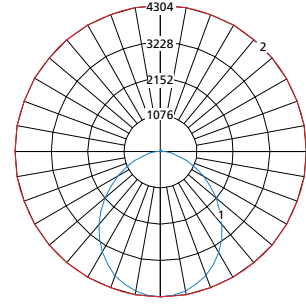
Model: CSEDI22-67L40K-DCC-1-DV-2F-2H



Maximum Candela = 3349 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.)

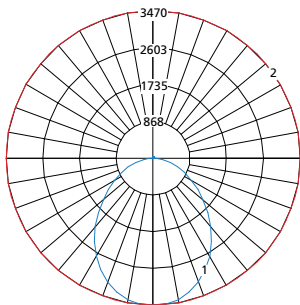
Model: CSEDI22-90L40K-DCC-1-DV-2F-2H-SYM



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.)

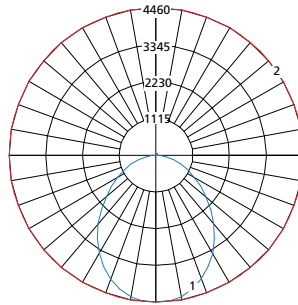
Model: CSEDI24-67L40K-DCC-1-DV-2F-2H



Maximum Candela = 3470 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.)

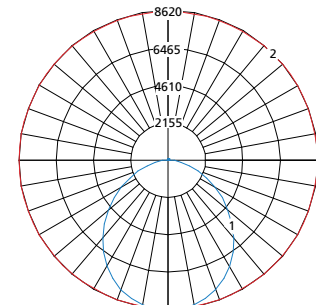
Model: CSEDI24-90L40K-DCC-1-DV-2F-2H



Maximum Candela = 4460 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.)

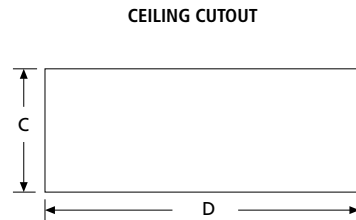
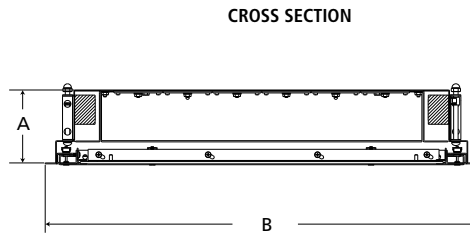
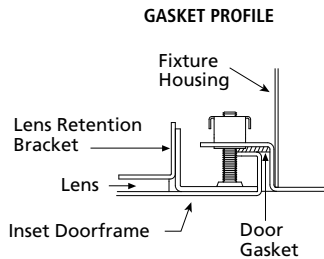
Model: CSEDI24-180L40K-DCC-1-DV-2F-2H-SYM



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  
\*\* Height is 5.875" (15 cm) with LEL option



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