

# SIMPLESEAL™

## CSEDI SERIES using Indigo-Clean Technology

### PRODUCT FEATURES:

- » Provides on-demand environmental disinfection via LED light
- » Single, white disinfection mode
- » Independent laboratory tested to kill harmful bacteria, including Staph\*, such as MRSA\*\*
- » Effective and efficient lighting performance
- » Suitable for universal installation into 1" and 1.5" grid and flange (drywall) ceilings



### 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:** Serviceable mid-power white and 405nm Indigo LED array. Available 3200K, 3700K and 4300K color temperatures with 3-step MacAdam variation allowance. Minimum 82 CRI standard. 120-277VAC and 347VAC electrical input with serviceable high power factor electronic, constant-current drivers (<10% THD, >0.90 PF). Minimum 85% driver efficiency. Standard 0-10V dimming with 1-100% range and dim-to-dark capabilities (non dim-to-dark with 347V). 660µA maximum source current. Single, white disinfection mode.

**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" (2.54cm) and 1.5" (3.81cm) 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 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. FED-STD-209E/Class 1 (ISO 3) Cleanrooms. Suitable for EU GMP Grade A cleanrooms. EPA Est. No. 99283-WI-1.

\* Per independent lab report #5GS-09517036476. Contact Kenall for a copy of this report.

\*\*Antimicrobial Activity of a Continuous Visible Light Disinfection System by Rutala, et. al, ID Week 2016.



### ORDERING INFORMATION (Ex: CSEDI-24-110C43K-DIM1-DV-2F-2H-SYM)

Model	Size	Lamp Type	Driver	Voltage	Doorframe	Housing	Optics	Options	Accessories
<b>CSEDI</b>			<b>DIM1</b>				<b>SYM</b>		
<b>Size</b>		<b>Lamp Type</b>		<b>2'x4'</b>		<b>Housing Options</b>			
<b>14</b>	1'x4'	<b>1'x4'</b>		<b>55CD32K</b> 55 Watt 3200K White & Indigo LED		<b>4H</b> 24-Ga CRS (STD)			
<b>22</b>	2'x2'	<b>55C32K</b> 55 Watt 3200K White & Indigo LED		<b>55CD37K</b> 55 Watt 3700K White & Indigo LED		<b>2H</b> 20-Ga CRS			
<b>24</b>	2'x4'	<b>55C37K</b> 55 Watt 3700K White & Indigo LED		<b>55CD43K</b> 55 Watt 4300K White & Indigo LED		<b>5H</b> 20-Ga Type 304 SS			
		<b>55C43K</b> 55 Watt 4300K White & Indigo LED		<b>82C32K</b> 82 Watt 3200K White & Indigo LED		<b>PAH</b> .050" Painted Aluminum			
		<b>82C32K</b> 82 Watt 3200K White & Indigo LED		<b>82C37K</b> 82 Watt 3700K White & Indigo LED			<b>Optics</b>		
		<b>82C37K</b> 82 Watt 3700K White & Indigo LED		<b>82C43K</b> 82 Watt 4300K White & Indigo LED			<b>SYM</b> Symmetric, Diffused DR Acrylic		
		<b>82C43K</b> 82 Watt 4300K White & Indigo LED		<b>110C32K</b> 110 Watt 3200K White & Indigo LED			<b>Options</b>		
		<b>110C32K</b> 110 Watt 3200K White & Indigo LED		<b>110C37K</b> 110 Watt 3700K White & Indigo LED			<b>LEL</b> † 8.4 W Emergency Battery Pack		
		<b>110C37K</b> 110 Watt 3700K White & Indigo LED		<b>110C43K</b> 110 Watt 4300K White & Indigo LED			<b>AMF</b> † Antimicrobial Finish		
		<b>110C43K</b> 110 Watt 4300K White & Indigo LED					<b>FS</b> Fuse & Holder		
							<b>HJ</b> Sealed Wireway		
							<b>RM</b> † Continuous Row Mounting		
							<b>2C</b> Two Circuit Wiring (1'x4'-55C single circuit operation will yield uneven lens luminance)		
							<b>Accessories</b>		
							<b>IF</b> † Install Frame		

Click [HERE](#) for CSEDI-ICT 'Fast Track' Ordering Options

Ships in 10 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. Voltage specific selection required, n/a with 347V. 0°C/32°F min. operating environment.  
 ▲ Applied only to exposed painted surfaces of luminaire (not available on stainless steel doorframes)



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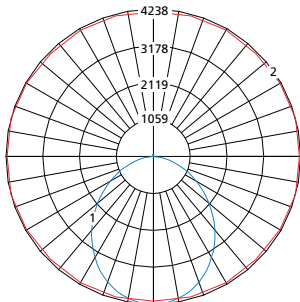
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PERFORMANCE		Initial Delivered Lumens		Input Power (W)	Drive Current (mA)	Estd. L70 LED Life (Hrs)
Model	Lamp Type	@ 25°C	Efficacy (lm/W)			
CSEDI14	55C32K	5,254	83	63	125	80,000
	55C37K	5,390	86	63	125	80,000
	55C43K	5,445	86	63	125	80,000
	82C32K	7,934	85	93	93	80,000
	82C37K	8,139	88	93	93	80,000
	82C43K	8,222	88	93	93	80,000
	110C32K	9,777	77	127	125	60,000
	110C37K	10,030	79	127	125	60,000
	110C43K	10,133	80	127	125	60,000
CSEDI22	55CD32K	5,081	81	63	125	80,000
	55CD37K	5,213	83	63	125	80,000
	55CD43K	5,266	84	63	125	80,000
	82C32K	7,674	83	93	93	80,000
	82C37K	7,872	85	93	93	80,000
	82C43K	7,953	86	93	93	80,000
	110C32K	9,456	74	127	125	60,000
	110C37K	9,701	76	127	125	60,000
	110C43K	9,800	77	127	125	60,000
CSEDI24	55CD32K	6,167	106	58	125	80,000
	55CD37K	6,327	109	58	125	80,000
	55CD43K	6,391	110	58	125	80,000
	82C32K	7,577	81	93	93	80,000
	82C37K	7,773	84	93	93	80,000
	82C43K	7,852	84	93	93	80,000
	110C32K	9,337	74	127	125	60,000
	110C37K	9,579	75	127	125	60,000
	110C43K	9,677	76	127	125	60,000
	165C32K	13,559	71	190	125	60,000
	165C37K	13,910	73	190	125	60,000
	165C43K	14,052	74	190	125	60,000

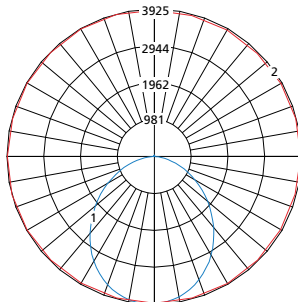
Displayed information is for selected luminaires only. Additional wattages and color temperatures are also available. Visit [www.kenall.com](http://www.kenall.com) for additional information.

Model: CSEDI14-110C37K-DIM1-DV-2F-2H-SYM



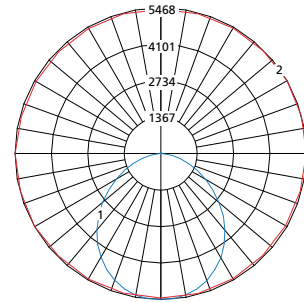
Maximum Candela = 4238 Located At Horizontal Angle = 15, Vertical Angle = 2.5  
 1 - Vertical Plane Through Horizontal Angles (15-195) (Through Max. Cd.)  
 2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

Model: CSEDI22-110C37K-DIM1-DV-2F-2H-SYM



Maximum Candela = 3925 Located At Horizontal Angle = 195, Vertical Angle = 2.5  
 1 - Vertical Plane Through Horizontal Angles (195-15) (Through Max. Cd.)  
 2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

Model: CSEDI24-165C37K-DIM1-DV-2F-2H-SYM



Max Candela = 5468 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.)



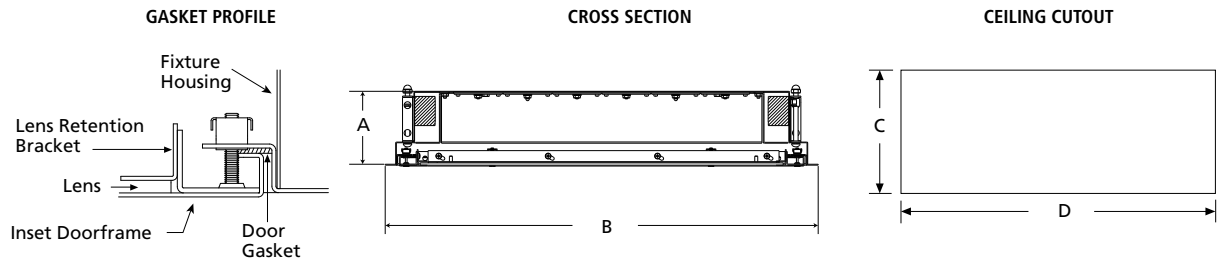
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**DIMENSIONAL DATA**



**DIMENSIONAL DATA (IN INCHES & CENTIMETERS)**

	A	B	C	D
<b>12x48</b>	4.20	11.75 × 47.75	10.85	46.85
<b>30.48cm×121.92cm</b>	10.67	29.85 × 121.29	27.56	119.00
<b>24x24</b>	4.20	23.75 × 23.75	22.85	22.85
<b>60.96cm×60.96cm</b>	10.67	60.33 × 60.33	58.04	58.04
<b>24x48</b>	4.20	23.75 × 47.75	22.85	46.85
<b>60.96cm×121.92cm</b>	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 LEL option



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