

SIMPLESEAL™

CSEDO 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: 20-gauge type 304 stainless steel (#4 finish-post fabrication). One-piece 60° beveled perimeter construction. Continuous angle lens retention system. Mechanical guide for doorframe fastener alignment. Doorframe secured to housing with stainless steel aircraft cables and captive flush mounted Phillips head stainless steel fasteners (8) for 2x2, (12) for 2x4.

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

DOORFRAME GASKET: One-piece closed cell extruded Nitrile gasket seals doorframe to housing and ceiling structure.

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" and 1.5" T-bar ceilings. Housing is universal between grid and flange-style mounting types. 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 warranty.

LISTINGS: Luminaire is certified to UL standards by Intertek Testing Laboratories for Wet Location. Certified IP66 per IEC 60598. NSF2 Splash/Non-Food Zone. CCEA Approved. Suitable for biosafety labs rated BSL 3 and 4. Optional NSF Protocol P442 certified. 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 #SGS-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: CSEDO-24-82C37K-DIM1-DV-2F-2H-SYM)

Model	Size	Lamp Type	Driver	Voltage	Doorframe	Housing	Optics	Options	Accessories
CSEDO			DIM1				SYM		
Size		Lamp Type		2'x4'		Housing Options			
14	1'x4'	1'x4'		55CD32K 55 Watt 3200K White & Indigo LED		4H 24-Ga CRS (STD)			
22	2'x2'	55C37K 55 Watt 3700K White & Indigo LED		55CD37K 55 Watt 3700K White & Indigo LED		2H 20-Ga CRS			
24	2'x4'	55C43K 55 Watt 4300K White & Indigo LED		55CD43K 55 Watt 4300K White & Indigo LED		5H 20-Ga Type 304 SS			
		82C32K 82 Watt 3200K White & Indigo LED		82C32K 82 Watt 3200K White & Indigo LED		XH 20-Ga Type 316 SS			
		82C37K 82 Watt 3700K White & Indigo LED		82C37K 82 Watt 3700K White & Indigo LED		PAH .050" Painted Aluminum			
		82C43K 82 Watt 4300K White & Indigo LED		82C43K 82 Watt 4300K White & Indigo LED			Optics		
		110C32K 110 Watt 3200K White & Indigo LED		110C32K 110 Watt 3200K White & Indigo LED			SYM Symmetric, Diffused DR Acrylic		
		110C37K 110 Watt 3700K White & Indigo LED		110C37K 110 Watt 3700K White & Indigo LED				Options	
		110C43K 110 Watt 4300K White & Indigo LED		110C43K 110 Watt 4300K White & Indigo LED				LEL† 8.4W Emergency Battery Pack	
		2'x2'		165C32K 165 Watt 3200K White & Indigo LED				AMF* Antimicrobial Finish	
		55CD32K 55 Watt 3200K White & Indigo LED		165C37K 165 Watt 3700K White & Indigo LED				FS Fuse & Holder	
		55CD37K 55 Watt 3700K White & Indigo LED		165C43K 165 Watt 4300K White & Indigo LED				HJ Sealed Wireway	
		55CD43K 55 Watt 4300K White & Indigo LED						RM* Continuous Row Mounting	
		82C32K 82 Watt 3200K White & Indigo LED	Driver Type					2C Two Circuit Wiring (1'x4'-55C single circuit operation will yield uneven lens luminance)	
		82C37K 82 Watt 3700K White & Indigo LED	DIM1 0-10V Dimming to 1%					P442‡ Optional NSF Protocol P442 Certified	
		82C43K 82 Watt 4300K White & Indigo LED		Voltage					Accessories
		110C32K 110 Watt 3200K White & Indigo LED		DV 120-277VAC, 50/60Hz					IF** Install Frame
		110C37K 110 Watt 3700K White & Indigo LED		120 120VAC					
		110C43K 110 Watt 4300K White & Indigo LED		277 277VAC					
				347 347VAC					
					Doorframe Options				
					5F 20-Ga Type 304 SS (STD)				
					2F 20-Ga CRS				
					XF 20-Ga Type 316 SS				
					PAF .063" Painted Fabricated Aluminum				

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

Ships in 10 days

- * Add .375" to ceiling cut out dimensions
- † 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)
- § P442 only available on CSEDO24
- ♦ Only available when installed in drywall ceilings (flange mount)



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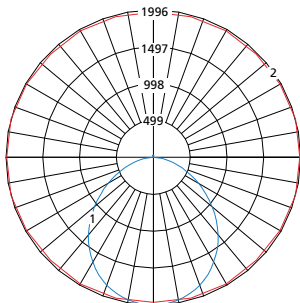
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PERFORMANCE

Model	Lamp Type	Initial Delivered Lumens		Input Power (W)	Drive Current (mA)	Estd. L70 LED Life (Hrs)
		@ 25°C	Efficacy (lm/W)			
CSEDO14	55C32K	4,918	78	63	125	80,000
	55C37K	5,045	80	63	125	80,000
	55C43K	5,096	81	63	125	80,000
	82C32K	7,426	80	93	93	80,000
	82C37K	7,618	82	93	93	80,000
	82C43K	7,696	83	93	93	80,000
	110C32K	9,151	72	127	125	60,000
	110C37K	9,388	74	127	125	60,000
CSEDO22	110C43K	9,484	75	127	125	60,000
	55CD32K	5,224	83	63	125	80,000
	55CD37K	5,360	85	63	125	80,000
	55CD43K	5,414	86	63	125	80,000
	82C32K	7,889	85	93	93	80,000
	82C37K	8,094	87	93	93	80,000
	82C43K	8,176	88	93	93	80,000
	110C32K	9,722	77	127	125	60,000
CSEDO24	110C37K	9,974	79	127	125	60,000
	110C43K	10,076	79	127	125	60,000
	55CD32K	6,518	112	58	63	80,000
	55CD37K	6,687	115	58	63	80,000
	55CD43K	6,755	116	58	63	80,000
	82C32K	8,009	86	93	93	80,000
	82C37K	8,216	88	93	93	80,000
	82C43K	8,300	89	93	93	80,000
	110C32K	9,869	78	127	125	60,000
	110C37K	10,125	80	127	125	60,000
	110C43K	10,228	81	127	125	60,000
	165C32K	14,332	75	190	125	60,000
165C37K	14,703	77	190	125	60,000	
165C43K	14,853	78	190	125	60,000	

Displayed information is for described luminaires only. Subject to change without notice. Visit www.kenall.com for IES files additional information.

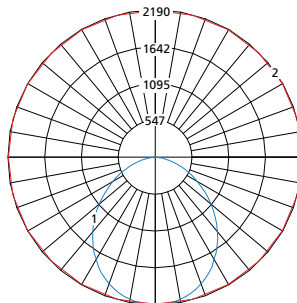
Model: CSEDO14-55C37K-DIM1-DV-2F-2H-SYM



Maximum Candela = 1196 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.)

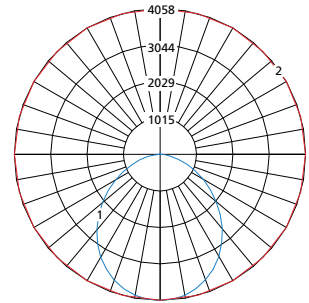
Model: CSEDO22-55CD37K-DIM1-DV-2F-2H-SYM



Maximum Candela = 2190 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: CSEDO24-110C37K-DIM1-DV-2F-2H-SYM



Max Candela = 4058 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.)



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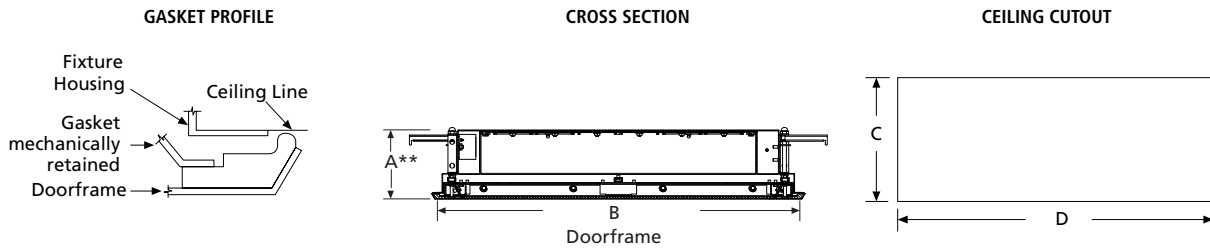
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DIMENSIONAL DATA



DIMENSIONAL DATA (IN INCHES)

	A	B	C	D
1x4	4.43	11.94 x 47.94	10.85	46.85
2x2	4.43	23.94 x 23.94	22.85	22.85
2x4	4.43	23.94 x 47.94	22.85	46.85

* Add .375" to ceiling cut out dimensions when IF Option is specified
 ** Height is 5.875" with LEL option



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