

# SIMPLESEAL™

## CSEDO SERIES – HIGH OUTPUT LED – OVERLAPPING 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
- » Suitable for universal installation into 1.0" and 1.5" grid or flange (drywall) ceilings
- » One piece overlapping door provides air-tight integrity of luminaire



### PROJECT INFORMATION

Job Name \_\_\_\_\_

Fixture Type \_\_\_\_\_

Catalog Number \_\_\_\_\_

Approved by \_\_\_\_\_

### 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:** 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.

**OPTICS:** Narrow and Wide optical distribution patterns. 0.125" polycarbonate outer lens continuously sealed to perimeter of lens frame. Inner frost acrylic (FA) and clear textured acrylic (TA) lens options provide enhanced glare control.

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

**ELECTRICAL:** Available 4000K and 5000K color temperatures with maximum 5-step MacAdam variation allowance. 120-277VAC or 277-480VAC, 50/60Hz electrical input with serviceable high power factor electronic, constant-current driver (<20% THD, >0.95 PF). Standard 0-10V dimming with 5-100% dimming range with dim-to-dark capabilities @ 0V (100µA maximum 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. Housing is field-convertible between grid and flange-style mounting types. See Options for install frames.

**WARRANTY:** Limited five (5) year LED warranty.

**LISTINGS:** Luminaire certification to UL standards by Intertek Testing Laboratories for Wet Location and marked spacings (36" x 36" x 24"). Certified IP66 per IEC 60598. Certified to NSF2 Splash/Non-Food Zone. Suitable for biosafety labs rated BSL 3 and 4. FED-STD-209E/Class 1 (ISO 3) Cleanrooms. Suitable for installation into -30°C to 30°C ambient environments, unless otherwise noted.



### ORDERING INFORMATION (Ex: CSEDO-2424-184L-40K8-DIM5-DV-2F-2H-TA-W)

Model	Size	Lamp Power	Lamp Color	Driver	Voltage	Doorframe	Housing	Optics	Options	Accessories
<b>CSEDO</b>	<b>2424</b>			<b>DIM5</b>						
	<b>Size</b> 2424 2' x 2'			<b>Driver Type</b> DIM5 0-10V Dimming to 5%			<b>Housing Options</b> 2H 20-Ga CRS (STD) 5H 20-Ga Type 304 SS PAH .050" Painted Aluminum			
	<b>Lamp Power</b> 184L 184 Watt LED 250L 250 Watt LED			<b>Voltage</b> DV 120-277VAC, 50/60Hz CV 277-480VAC, 50/60Hz			<b>Optics</b> TA-W Textured Acrylic with Wide Distribution FA-N Frosted Acrylic with Narrow Distribution			
	<b>Lamp Color</b> 40K7 4000K / 70CRI min. 40K8 4000K / 80CRI min. 50K7 5000K / 70CRI min. 50K8 4000K / 80CRI min.			<b>Doorframe Options</b> 5F 20-Ga Type 304 SS (STD) 2F 20-Ga CRS XF 20-Ga Type 316 SS PAF .063" Painted Fabricated Aluminum			<b>Options</b> LEL 20W Integral Emergency Battery Backup (n/a CV input voltage) AMF* Antimicrobial Finish FS Fuse & Holder HJ Sealed Wireway IF Install Frame (drywall ceilings only)			

\* Applied only to exposed painted surfaces of luminaire (not available on stainless steel doorframes)



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CSEDO-2424-051722

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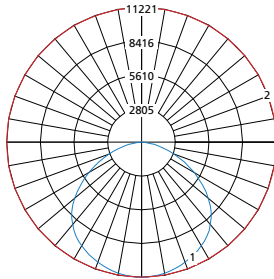
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### PERFORMANCE

Model	Optic Type	Lamp Power	Initial Delivered Lumens, By Lamp Color				Efficacy (lm/W)	Input Power (W)	Estd. L70 LED Life (hrs)
			40K8	40K7	50K8	50K7			
CSEDO2424	TA-W	184L	24,546	27,200	25,873	27,200	117 - 130	209	125,000
		250L	30,587	33,894	32,240	33,894	112 - 124	274	
	FA-N	184L	25,527	28,287	26,907	28,287	122 - 135	209	90,000
		250L	31,809	35,248	33,528	35,248	116 - 129	274	

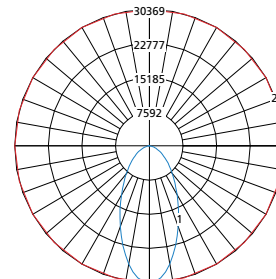
Photometry tested to the IESNA LM-79-08 standard by an ILAC/ISO17025 accredited laboratory. For additional photometric data, please go to [www.kenall.com](http://www.kenall.com).

Model: CSEDO-2424-250L-40K7-DIM5-xxx-yyy-zzz-TA-W



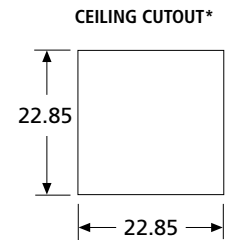
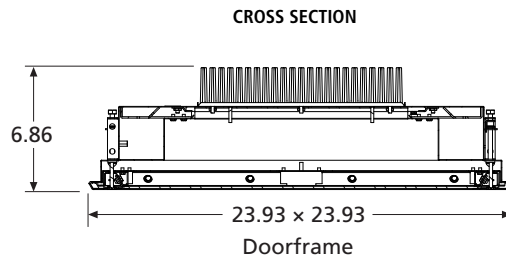
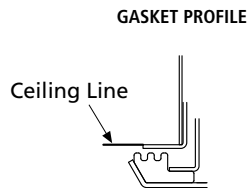
Max Candela = 11221 Located At Horizontal Angle = 5, Vertical Angle = 2.5  
 1 - Vertical Plane Through Horizontal Angles (5 - 185) (Through Max. Cd.)  
 2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

Model: CSEDO-2424-250L-40K7-DIM5-xxx-yyy-zzz-FA-N



Max Candela = 30369 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.)

### DIMENSIONAL DATA



Nominal Fixture Weight of 44 lbs

\* Add .375" to ceiling cut out dimensions when IF Option is specified



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