SIMPLESEAL™

CSESI SERIES – SURFACE MOUNT – INSET DOOR

PROJECT INFORMATION

Job Name _____

Fixture Type _____

Catalog Number _____

Approved by _____



PRODUCT FEATURES:

» Surface ceiling mount – 1'×4', 2'×2', 2'×4'

» One-piece inset door

» Closed cell extruded silicone gasket seals doorframe to housing

SPECIFICATIONS

HOUSING: 18-gauge CRS. Hole-free one-piece seam welded construction. White TGIC polyester powder coat – 5-stage pre-treatment. Salt spray test: 1,000 hours; Reflectance: 92%.

DOORFRAME: 18-gauge CRS. One-piece inset construction welded corners. White TGIC polyester powder coat finish – 5-step pre-treatment.Salt spray test: 1,000 hours; Reflectance: 92%. Doorframe secured to housing with aircraft cables and (8) for 1×4, 2×2, (10) for 2×4 captive mounted Phillips head stainless steel fasteners.

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

DOORFRAME GASKET: Closed cell extruded silicone gasket seals doorframe to housing.

ELECTRICAL: Available 3000K, 3500K, 4000K and 5000K color temperatures, 82 CRI; 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 and dim-to-dark capabilities (non dim-to-dark with 347V; 600µA maximum source current per circuit). 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). Consult factory for fluorescent options.

SENSOR & CONTROLS: Optional sensor available with compatible third party controls. To see the full list of compatible controls, click here.

WIRING ACCESS: Standard wiring access hole on end of luminaire. See TWA Option for Top Access Wiring hole.

INSTALLATION: Four .312" (.79cm) holes for surface mounting. Standard with side feed hole, see options for Top Wiring Access (TWA).

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. FED-STD-209E/Class 1 (ISO 3) Cleanrooms. NSF2 Splash/ Non-Food Zone. Suitable for biosafety labs rated BSL 1 and 2. CSESI is participating in Declare.

ORDERING INFORMATION (Ex: CSESI14-67L-40K8-DIM1-120-2F-2H-SYM-DLN)

Model	Lamp Qty/Type	Driver Type	Voltage	Doorframe Option	Housing	Optics	Options
						SYM	

Model
CSESI14 1'×4'
CSESI22 2'×2'
CSESI24 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†
2F 18-Ga CRS Painted (STD)
PAF .063" Painted Fabricated Aluminum
5F 20-Ga Type 304 SS Brushed

Housing Options†
2H 18-Ga CRS (STD)
5H 18-Ga Type 304 SS Brushed
PAH .050" Painted Aluminum

Optics
SYM Symmetric, Diffused DR Acrylic (STD)

Options
LEL‡ 8.4W Emergency Battery Pack
DLN LED Night Light w/Light Level Control (100%-20%, voltage-specific selection required, n/a with 347V)
AMF▼ Antimicrobial Finish
HJ Sealed Wireway
MS Motion Sensor (n/a with 347V)
PM▲ Pendant Mounting Holes
TH 1/2" Trade Size Threaded Hub
TWA Top Access Wiring Hole

* LEL n/a with 347V option
‡ n/a with 135L or 180L Lamp Type. Voltage-specific selection required; n/a with 347V. 0°C/32°F min. operating environment.
▲ n/a in 1×4
† Matching finishes and materials are recommended
▼ Applied only to exposed painted surfaces of luminaire (not available on stainless steel doorframes or housings)

This product is able to comply with the latest domestic preference legislation, such as the Buy American Act (BAA), Trade Agreement Ace (TAA), Build America, Buy America Act (BABA), and others. It may be covered by patents found at www.kenall.com/patents.Content of specification sheets is subject to change; please consult www.kenall.com for current product details. ©2024 Kenall Mfg.Co.

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PERFORMANCE

Model	Lamp Type	Initial Delivered Lumens @ 25°C	Efficacy (lm/W)	Input Power (W)	Drive Current (mA)	Estd. L_{70} LED Life (Hrs)
CSESI14	45L-30K8	5,241	107	49	100	80,000
	45L-35K8	5,491	112			
	45L-40K8	5,587	114			
	45L-50K8	5,811	119			
	67L-30K8	8,028	112	72	75	80,000
	67L-35K8	8,412	117			
	67L-40K8	8,559	119			
	67L-50K8	8,901	124			
	90L-30K8	10,243	105	98	100	60,000
	90L-35K8	10,732	110			
	90L-40K8	10,920	111			
	90L-50K8	11,357	116			
CSESI22	45LD-30K8	5,069	103	49	100	80,000
	45LD-35K8	5,311	108			
	45LD-40K8	5,404	110			
	45LD-50K8	5,620	115			
	67L-30K8	7,765	108	72	75	80,000
	67L-35K8	8,136	113			
	67L-40K8	8,278	115			
	67L-50K8	8,609	120			
	90L-30K8	9,978	102	98	100	60,000
	90L-35K8	10,454	107			
	90L-40K8	10,637	109			
	90L-50K8	11,062	113			
CSESI24	45LD-30K8	5,953	129	46	50	100,000
	45LD-35K8	6,238	136			
	45LD-40K8	6,347	138			
	45LD-50K8	6,601	144			
	67L-30K8	8,281	115	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	11,149	114			
	90L-40K8	11,344	116			
	90L-50K8	11,798	120			
	135L-30K8	15,084	103	147	100	60,000
	135L-35K8	15,805	108			
	135L-40K8	16,081	109			
	135L-50K8	16,724	114			
	180L-30K8	20,568	105	196	100	60,000
	180L-35K8	21,550	110			
	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.

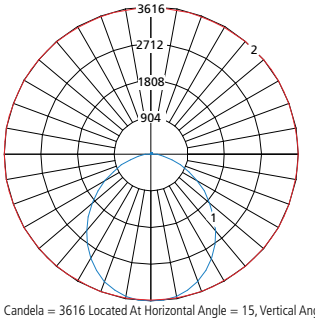
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PERFORMANCE

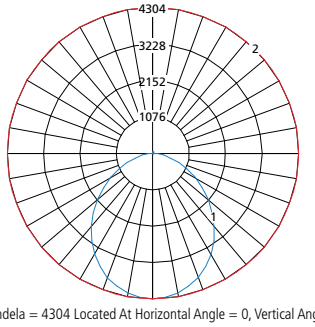
Model: CSESI-14-67L-40K8-DIM1-DV-2F-2H-SYM



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.)

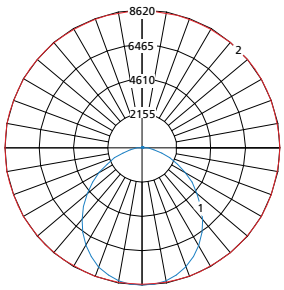
Model: CSESI-22-90L-40K8-DIM1-DV-2F-2H-SYM



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: CSESI-24-180L-40K8-DIM1-DV-2F-2H-SYM

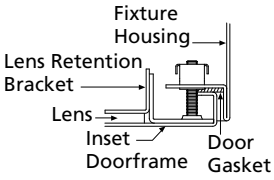


Max Candela = 8620 Located At Horizontal Angle = 0, Vertical Angle = 5

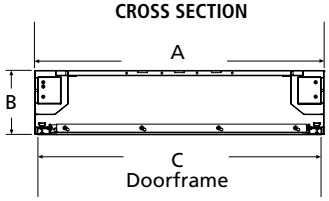
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

DIMENSIONAL DATA

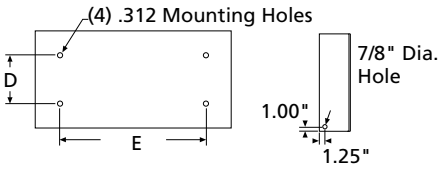
GASKET PROFILE



CROSS SECTION



MOUTING HOLES



Side wiring access shown
See options for Top wiring access (TWA)

DIMENSIONAL DATA (IN INCHES & CENTIMETERS)

	A	B	C	D	E
1×4	10.60×48.13	5.00	10.20×47.70	6.00	36.00
30.48cm×121.92cm	26.92×122.25	12.70	25.91×121.16	15.24	71.12
2×2	22.60×24.13	5.00	22.20×23.70	17.00	13.00
60.96cm×60.96cm	57.40×61.29	12.70	56.39×60.20	43.18	33.02
2×4	22.60×48.13	5.00	22.20×47.70	17.00	36.00
60.96cm×121.92cm	57.40×122.25	12.70	56.39×121.16	43.18	91.44

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