

SIMPLESEAL™ ENVIRONMENTAL ESEDI 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'
- » 20-gauge hole-free, one-piece cold rolled steel housing
- » Closed cell extruded silicone gasket seals doorframe to housing
- » UL certified IP65 per IEC 60598

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 construction welded corners. White TGIC polyester powder coat – 5-stage pre-treatment. Salt spray test: 1,000 hours; Reflectance: 92%. Lens frame secured to housing with continuous hinge and (2) for 2x2, (3) for 1x4, 2x4 captive mounted Phillips head stainless steel fasteners. Closed cell extruded silicone gasket seals doorframe to housing.

LENS: 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; 800µA maximum source current.

INSTALLATION: Adjustable swing-out mounting brackets standard.

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: UL and CUL Listed for Wet Location. UL certified IP65 per IEC 60598. CCEA approved.



PROJECT INFORMATION

Job Name _____
 Fixture Type _____
 Catalog Number _____
 Approved by _____



1'x4'

2'x2'

2'x4'

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

Model	Size	Lamp Type	Driver	Voltage	Doorframe	Housing	Optics	Options
ESEDI			DCC	DV			SYM	
Size		Lamp Type	2'x4'			Housing/Flange Options		
14	1'x4'	1'x4'	45L35K 45 Watt 3500K LED (82 CRI)	45L35K 45 Watt 3500K LED (82 CRI)		2H 20-Ga CRS/18-Ga CRS (STD)		
22	2'x2'	45L40K 45 Watt 4000K LED (82 CRI)	45L40K 45 Watt 4000K LED (82 CRI)	45L40K 45 Watt 4000K LED (82 CRI)		5H5 20-Ga Type 304 SS/18-Ga Type 304 SS		
24	2'x4'	45L50K 45 Watt 5000K LED (82 CRI)	45L50K 45 Watt 5000K LED (82 CRI)	45L50K 45 Watt 5000K LED (82 CRI)		2H5 20-Ga CRS/18-Ga Type 304 SS		
		67L35K 67 Watt 3500K LED (82 CRI)	67L35K 67 Watt 3500K LED (82 CRI)	67L35K 67 Watt 3500K LED (82 CRI)		PAH .050" Painted Aluminum		
		67L40K 67 Watt 4000K LED (82 CRI)	67L40K 67 Watt 4000K LED (82 CRI)	67L40K 67 Watt 4000K LED (82 CRI)			Optics	
		67L50K 67 Watt 5000K LED (82 CRI)	67L50K 67 Watt 5000K LED (82 CRI)	67L50K 67 Watt 5000K LED (82 CRI)			SYM Symmetric, Diffused DR Acrylic	
		90L35K 90 Watt 3500K LED (82 CRI)	90L35K 90 Watt 3500K LED (82 CRI)	90L35K 90 Watt 3500K LED (82 CRI)			Options	
		90L40K 90 Watt 4000K LED (82 CRI)	90L40K 90 Watt 4000K LED (82 CRI)	90L40K 90 Watt 4000K LED (82 CRI)			LEL Emergency Battery Pack (not available with DV Voltage option)	
		90L50K 90 Watt 5000K LED (82 CRI)	90L50K 90 Watt 5000K LED (82 CRI)	90L50K 90 Watt 5000K LED (82 CRI)			10KV 10KV/KA Surge Protection per IEEE/ANSI C62.41 Cat. A	
		2'x2'	135L35K 135 Watt 3500K LED (82 CRI)	135L35K 135 Watt 3500K LED (82 CRI)			FS Fuse & Holder	
		45L35K 45 Watt 3500K LED (82 CRI)	135L40K 135 Watt 4000K 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)	135L50K 135 Watt 5000K LED (82 CRI)			IF*† Install Frame	
		45L50K 45 Watt 5000K LED (82 CRI)	180L35K 180 Watt 3500K LED (82 CRI)	180L35K 180 Watt 3500K LED (82 CRI)			PF* Plaster Frame	
		67L35K 67 Watt 3500K LED (82 CRI)	180L40K 180 Watt 4000K LED (82 CRI)	180L40K 180 Watt 4000K LED (82 CRI)			RF• Radio Frequency Filter (MIL-STD 461F Compliance)	
		67L40K 67 Watt 4000K LED (82 CRI)	180L50K 180 Watt 5000K LED (82 CRI)	180L50K 180 Watt 5000K LED (82 CRI)			RM† Continuous Row Mounting	
		67L50K 67 Watt 5000K LED (82 CRI)					TH 1/2" Trade Size Threaded Hub	
		90L35K 90 Watt 3500K LED (82 CRI)						
		90L40K 90 Watt 4000K LED (82 CRI)						
		90L50K 90 Watt 5000K LED (82 CRI)						
			Driver Type					
			DCC Dimming Constant Current					
			Voltage					
			DV 120/277VAC, 50/60Hz					
			120 120VAC					
			277 277VAC					
			347 347VAC					
			Doorframe Options					
			2F 18-Ga CRS Painted (STD)					
			AF Anodized Aluminum					
			PAF Painted Fabricated Aluminum					
			5F 20-Ga Type 304 SS Brushed					

* Add .375" to ceiling cut out dimensions

† Only available when installed in drywall ceilings (flange mount)

• Voltage specific



www.kenall.com

P: 800-4-Kenall

F: 262-891-9701

10200 55th Street Kenosha, Wisconsin 53144

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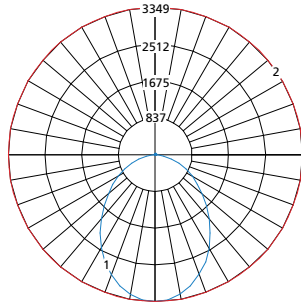
SIMPLESEAL™

ESEDI SERIES – LED – INSET DOOR

PERFORMANCE		Initial Delivered Lumens				
Model	Lamp Type	@ 25°C	Efficacy (lm/W)	Input Power (W)	Drive Current (mA)	Estd. L70 LED Life (Hrs)
ESEDI14	45L35K	5,403	110	49	100	80,000
	45L40K	5,587	114	49	100	80,000
	45L50K	5,970	122	49	100	80,000
ESEDI22	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
ESEDI24	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

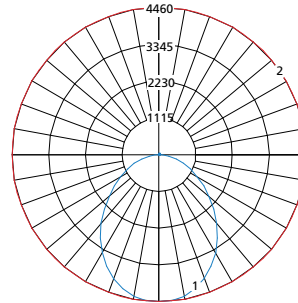
Displayed information is for selected luminaires only. Additional wattages and color temperatures are also available. Visit www.kenall.com for additional information.

Model: ESEDI22-67L40K-DCC-1-DV-2F-2H



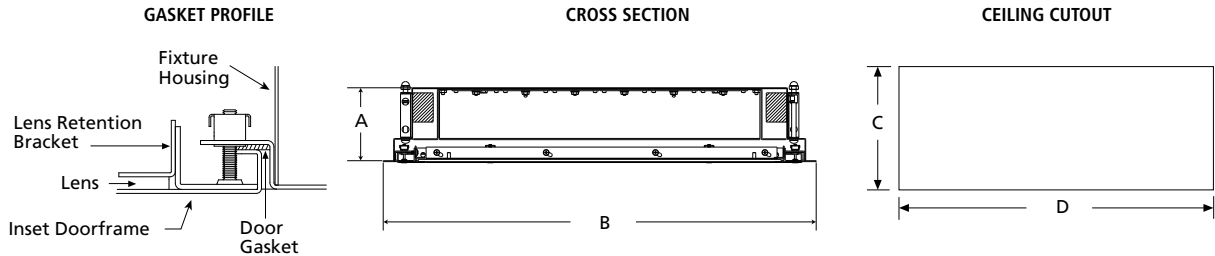
Maximum Candela = 3349 Located At Horizontal Angle = 0, Vertical Angle = 0
 1 - Vertical Plane Through Horizontal Angles (0-180) (Through Max. Cd.)
 2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

Model: ESEDI24-90L40K-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.)

DIMENSIONAL DATA



DIMENSIONAL DATA (IN INCHES)				
	A	B	C	D
1x4	4.20	11.75 x 47.75	10.85	46.85
2x2	4.20	23.75 x 23.75	22.85	22.85
2x4	4.20	23.75 x 47.75	22.85	46.85

* Add .375" to ceiling cut out dimensions when IF Option is specified
 ** Height is 8.691" with LEL option



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