

SIMPLESEAL™

HSESO SERIES – HAZARDOUS LOCATION – SURFACE MOUNT

PRODUCT FEATURES:

- » Surface ceiling mount – 1'x4', 2'x2, 2'x4'
- » One-piece overlapping doorframe secured to housing with aircraft cables
- » 20-gauge, hole-free one-piece cold rolled steel housing
- » Closed cell extruded silicone gasket seals doorframe to housing
- » Class I, Division 2, Groups A, B, C, D Hazardous Location Listing



PROJECT INFORMATION

Job Name _____

Fixture Type _____

Catalog Number _____

Approved by _____

SPECIFICATIONS:

HOUSING: 20-gauge CRS. Hole-free one-piece seam welded construction. White TGIC polyester powder coat finish – 5-step pre-treatment. Salt spray test: 1,000 hours; Reflectance: 92%.

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

DOORFRAME: 20-gauge CRS. 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 (8) for 2x2 (60.96cmx60.96cm), (10) for 1x4 (30.48cmx121.92cm), or (12) for 2x4 (60.96cmx121.92cm) captive flush mounted Phillips head stainless steel fasteners. White TGIC polyester powder coat finish – 5-step pre-treatment. Salt spray test: 1,000 hours; Reflectance: 92%. Doorframe Gasket one-piece closed cell extruded silicone gasket seals doorframe to housing.

ELECTRICAL: Available 3000K, 3500K, 4000K and 5000K color temperatures with maximum 3-step MacAdam variation allowance. 120-277VAC or 347VAC, 50/60Hz electrical input with serviceable high power factor electronic, constant-current driver (<15% THD, >0.90 PF). Standard 0-10V dimming with 1-100% range and dim-to-dark capabilities. 1.2mA maximum source current.

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

INSTALLATION: See page 2 for T Code rating and maximum ambient temperature. Four .312" (.79cm) holes for surface mounting. Hazardous location hub (1/2" trade size) provided for field installation.

WARRANTY: Limited five (5) year LED warranty.

LISTINGS: Luminaire is certified to UL standards by Intertek Testing Laboratories for Wet Location and Hazardous Locations Class I, Division 2 Groups A,B,C,D, and IP65 per IEC 60598. NSF2 Splash/Non-Food Zone. FED-STD-209E/Class 100 (ISO 5) Cleanrooms. HSESO is participating in Declare.



ORDERING INFORMATION (Ex: HSESO24-120L40K-DCC-DV-2F-2H-SYM)

Model	Lamp Type	Driver	Voltage	Doorframe Option	Housing	Lens Type	Options
DCC							
Model		2x4		Doorframe Options		Options	
HSESO14 1'x4'		60L30K 60 Watt 3000K LED (82 CRI)		2F 20-Ga CRS (STD)		HEL* Integral 10W Emergency Battery Pack for Haz Locations (0°C - 40°C ambient temperatures)	
HSESO22 2'x2'		60L35K 60 Watt 3500K LED (82 CRI)		5F 20-Ga Type 304 SS		FS Fuse & Holder	
HSESO24 2'x4'		60L40K 60 Watt 4000K LED (82 CRI)		XF 20-Ga Type 316 SS		RF Radio Frequency Filter	
		60L50K 60 Watt 5000K LED (82 CRI)		PAF .063" Painted Fabricated Aluminum		SFC Silicone Free Construction	
Lamp Type		120L30K 120 Watt 3000K LED (82 CRI)		Housing Options			
1x4		120L35K 120 Watt 3500K LED (82 CRI)		2H 20-Ga CRS (STD)		* n/a with 347 Volts	
50L30K	50 Watt 3000K LED (82 CRI)	120L40K 120 Watt 4000K LED (82 CRI)		5H 20-Ga Type 304 SS		▼ n/a with HEL option	
50L35K	50 Watt 3500K LED (82 CRI)	120L50K 120 Watt 5000K LED (82 CRI)		XH 20-Ga Type 316 SS			
50L40K	50 Watt 4000K LED (82 CRI)	166L30K 166 Watt 3000K LED (82 CRI)		PAH .050" Painted Aluminum			
50L50K	50 Watt 5000K LED (82 CRI)	166L35K 166 Watt 3500K LED (82 CRI)					
70L30K	70 Watt 3000K LED (82 CRI)	166L40K 166 Watt 4000K LED (82 CRI)		Lens Type			
70L35K	70 Watt 3500K LED (82 CRI)	166L50K 166 Watt 5000K LED (82 CRI)		Acrylic			
70L40K	70 Watt 4000K LED (82 CRI)			SYM Symmetric, Diffused DR Acrylic (STD)			
70L50K	70 Watt 5000K LED (82 CRI)			Polycarbonate			
83L30K	83 Watt 3000K LED (82 CRI)	Driver Type		2 .125" #12 Prismatic			
83L35K	83 Watt 3500K LED (82 CRI)	DCC Dimming Constant Current Driver					
83L40K	83 Watt 4000K LED (82 CRI)						
83L50K	83 Watt 5000K LED (82 CRI)	Voltage					
		120 120 Volts					
		277 277 Volts					
		347* 347 Volts					
		DV 120-277 Volts					
2x2							
50L30K	50 Watt 3000K LED (82 CRI)						
50L35K	50 Watt 3500K LED (82 CRI)						
50L40K	50 Watt 4000K LED (82 CRI)						
50L50K	50 Watt 5000K LED (82 CRI)						
100L30K	100 Watt 3000K LED (82 CRI)						
100L35K	100 Watt 3500K LED (82 CRI)						
100L40K	100 Watt 4000K LED (82 CRI)						
100L50K	100 Watt 5000K LED (82 CRI)						
120L30K	120 Watt 3000K LED (82 CRI)						
120L35K	120 Watt 3500K LED (82 CRI)						
120L40K	120 Watt 4000K LED (82 CRI)						
120L50K	120 Watt 5000K LED (82 CRI)						



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HSESO SERIES – LF SURFACE MOUNT – OVERLAPPING DOOR

PERFORMANCE		Initial Delivered Lumens		Input Power (W)	T Rating	Max Ambient Temperature	Drive Current (mA)	Estd L70 LED Life (Hrs)
Model	Lamp Type	@ 25°C	Efficacy (lm/W)					
HSESO14	50L30K	5,424	92	59	T6	40°C	58	80,000
	50L35K	5,609	95					
	50L40K	5,782	98					
	50L50K	6,013	102					
	70L30K	7,295	89	82	T5	40°C	81	80,000
	70L35K	7,544	92					
	70L40K	7,777	95					
	70L50K	8,088	99					
	83L30K	8,447	92	92	T6	25°C	96	60,000
	83L35K	8,735	95					
	83L40K	9,005	98					
83L50K	9,365	102						
HSESO22	50L30K	6,014	102	59	T6	40°C	58	80,000
	50L35K	6,220	105					
	50L40K	6,412	109					
	50L50K	6,668	113					
	100L30K	11,121	99	112	T5	40°C	116	80,000
	100L35K	11,500	103					
	100L40K	11,856	106					
	100L50K	12,330	110					
	120L30K	13,510	100	135	T6	25°C	92	60,000
	120L35K	13,971	103					
	120L40K	14,403	107					
120L50K	14,979	111						
HSESO24	60L30K	7,406	109	68	T6	40°C	46	100,000
	60L35K	7,658	113					
	60L40K	7,895	116					
	60L50K	8,211	121					
	120L30K	14,346	106	135	T5	40°C	69	80,000
	120L35K	14,835	110					
	120L40K	15,294	113					
	120L50K	15,906	118					
	166L30K	19,153	104	184	T6	25°C	96	60,000
	166L35K	19,806	107					
	166L40K	20,419	111					
166L50K	21,235	115						

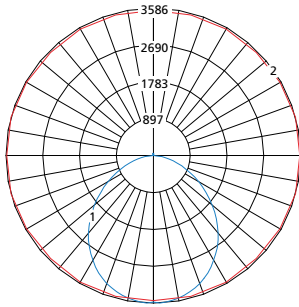
Provided information includes SYM Lens Type. Information subject to change without notice. Visit www.kenall.com for IES files and additional information.



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HSES0 SERIES – LF SURFACE MOUNT – OVERLAPPING DOOR

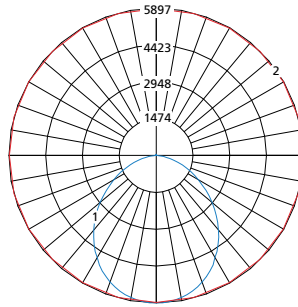
Model: HSES014-83L40K-DCC-DV



Maximum Candela = 3586 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.)

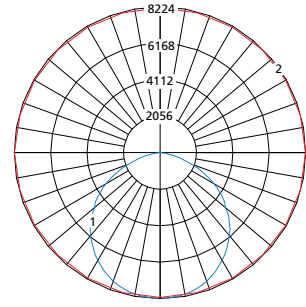
Model: HSES014-120L40K-DCC-DV



Maximum Candela = 5897 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: HSES014-166L40K-DCC-DV

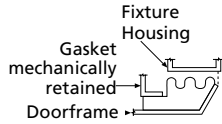


Max Candela = 8224 Located At Horizontal Angle = 0, Vertical Angle = 2.5

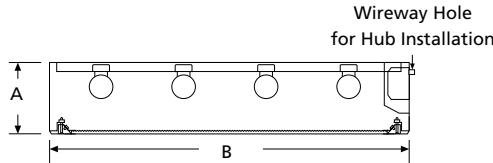
- 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
- 2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

DIMENSIONAL DATA

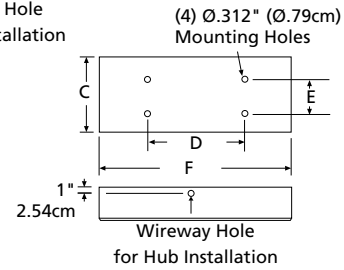
GASKET PROFILE



CROSS SECTION



MOUNTING HOLES



DIMENSIONAL DATA (IN INCHES & CENTIMETERS)

	A	B	C	D	E	F
1x4	4.72	11.45x47.45	11.63	36	2	48.00
30.48cmx121.92cm	11.99	29.08x120.52	29.54	91.44	5.08	121.92
2x2	4.72	23.45x23.45	23.63	12	12	24.00
60.96cmx60.96cm	11.99	59.56x59.56	60.02	30.48	30.48	60.96
2x4	4.72	23.45x47.45	23.63	36	12	48.00
60.96cmx121.92cm	11.99	59.56x120.52	60.02	91.44	30.48	121.92



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