

SIMPLESEAL™

HSES0 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 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 15-100% range. 500 µA maximum source current. See page 2 for T Code rating and maximum ambient temperature. Consult factory for fluorescent options.

INSTALLATION: 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.



ORDERING INFORMATION (Ex: HSES024-120L40K-DCC-DV-2F-2H-SYM)

Model	Lamp Type	Driver	Voltage	Doorframe Option	Housing	Lens Type	Options
DCC							
Model		2x4		Doorframe Options		Lens Type	
HSES014 1'x4'		60L35K 60 Watt 3500K LED (82 CRI)		2F 20-Ga CRS (STD)		Acrylic	
HSES022 2'x2'		60L40K 60 Watt 4000K LED (82 CRI)		5F 20-Ga Type 304 SS		SYM Symmetric, Diffused DR Acrylic (STD)	
HSES024 2'x4'		60L50K 60 Watt 5000K LED (82 CRI)		XF 20-Ga Type 316 SS		Polycarbonate	
Lamp Type		120L35K 120 Watt 3500K LED (82 CRI)		PAF .063" Painted Fabricated Aluminum		2 .125" #12 Prismatic	
1x4		120L40K 120 Watt 4000K LED (82 CRI)		Housing Options		Options	
50L35K 50 Watt 3500K LED (82 CRI)		120L50K 120 Watt 5000K LED (82 CRI)		2H 20-Ga CRS (STD)		HEL* Integral 10W Emergency Battery Pack for Haz Locations (0°C - 40°C ambient temperatures)	
50L40K 50 Watt 4000K LED (82 CRI)		166L35K 166 Watt 3500K LED (82 CRI)		5H 20-Ga Type 304 SS		FS Fuse & Holder	
50L50K 50 Watt 5000K LED (82 CRI)		166L40K 166 Watt 4000K LED (82 CRI)		XH 20-Ga Type 316 SS		RF Radio Frequency Filter	
70L35K 70 Watt 3500K LED (82 CRI)		166L50K 166 Watt 5000K LED (82 CRI)		PAH .050" Painted Aluminum		SFC Silicone Free Construction	
70L40K 70 Watt 4000K LED (82 CRI)		Driver Type					
70L50K 70 Watt 5000K LED (82 CRI)		DCC Dimming Constant Current Driver					
83L35K 83 Watt 3500K LED (82 CRI)		Voltage					
83L40K 83 Watt 4000K LED (82 CRI)		120 120 Volts					
83L50K 83 Watt 5000K LED (82 CRI)		277 277 Volts					
		347* 347 Volts					
		DV 120-277 Volts					
2x2							
50L35K 50 Watt 3500K LED (82 CRI)							
50L40K 50 Watt 4000K LED (82 CRI)							
50L50K 50 Watt 5000K LED (82 CRI)							
100L35K 100 Watt 3500K LED (82 CRI)							
100L40K 100 Watt 4000K LED (82 CRI)							
100L50K 100 Watt 5000K LED (82 CRI)							
120L35K 120 Watt 3500K LED (82 CRI)							
120L40K 120 Watt 4000K LED (82 CRI)							
120L50K 120 Watt 5000K LED (82 CRI)							

* n/a with 347 Volts
 ▼ n/a with HEL option



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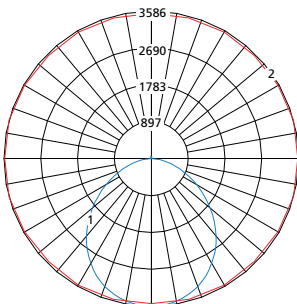
HSESO SERIES – LF SURFACE MOUNT – OVERLAPPING DOOR

PERFORMANCE

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

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

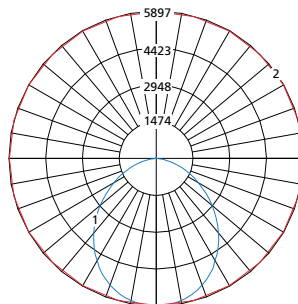
Model: HSESO14-83L40K-DCC-DV



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.)

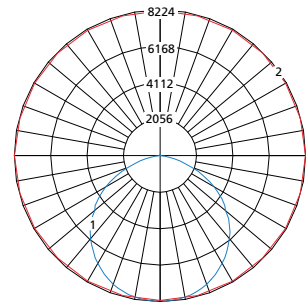
Model: HSESO14-120L40K-DCC-DV



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: HSESO14-166L40K-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.)



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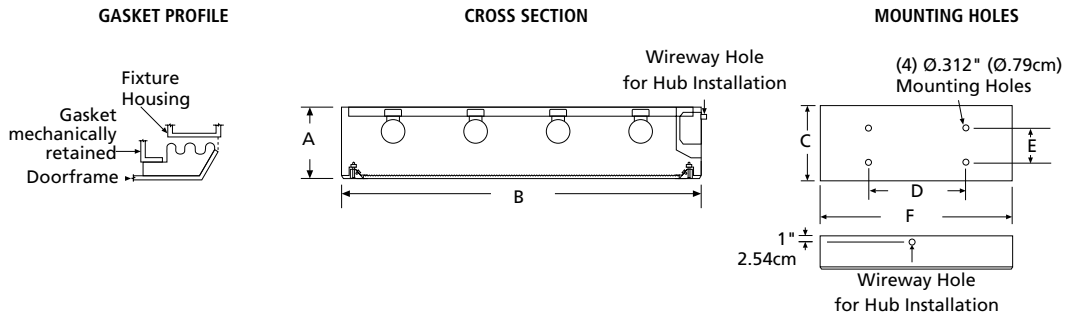
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DIMENSIONAL DATA



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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