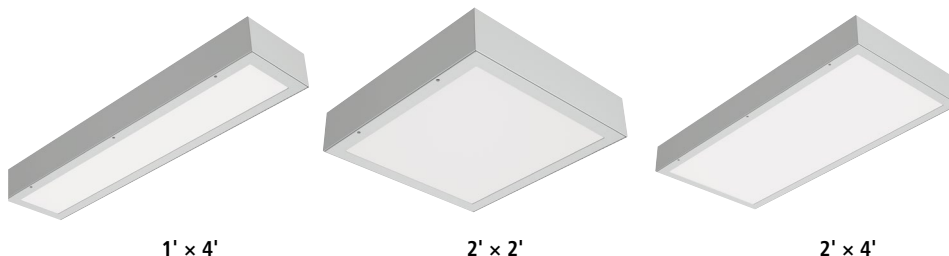


HIGH ABUSE

HASESI SERIES – LED – INSET DOOR

PRODUCT FEATURES:

- » High-output lamp sources for accurate color rendition and lighting performance
- » Diffused high-efficiency lens for reduced glare
- » Surface ceiling mounting in 1'x4', 2'x2', 2'x4' sizes
- » One-piece inset doorframe, secured to housing with continuous piano hinge and Torx® fasteners
- » Peace of Mind Guarantee® against breakage



SPECIFICATIONS

HOUSING: 18-gauge CRS. Hole-free, one-piece, seam-welded construction. Integral aluminum heat sink for thermal dissipation. 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 3 tamper-resistant stainless steel Torx® with center pin fasteners.

LENS: See Lens Options below to specify lens material. Lens sealed to doorframe with silicone sealant and secured with continuous lens retention system. Lens orientation – smooth side out. Minimum .187" polycarbonate lens required (max. .375") for Peace of Mind Guarantee®.

ELECTRICAL: Available 3000K, 3500K, 4000K and 5000K color temperatures. 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); 660 µA maximum source current.

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

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

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 LED warranty. [Peace of Mind Guarantee against breakage](#).

LISTINGS: Luminaire is certified to UL standards by Intertek Testing Laboratory for Wet Location installations. ETL certified IP65 per IEC60598. CCEA approved. HASESI is participating in Declare.



ORDERING INFORMATION (Ex: HASESI-24-67L-40K8-DIM1-DV-2F-2H-SYM/9)

Model	Size	Lamp Power	Lamp Color	Driver	Voltage	Doorframe	Housing	Lens Type	Options
HASESI				DIM1					
Size	Lamp Power			Driver Type			Options		
14	1'×4'	1'×4'		DIM1	0-10V Dimming to 1%			LEL	8.4W Emergency Battery Pack (n/a with 347V)
22	2'×2'	45L	45 Watt LED				FS	Fuse & Holder	
24	2'×4'	67L	67 Watt LED	Voltage			TH	1/2" Trade Size Threaded Hub	
		90L	90 Watt LED	DV	120-277VAC, 50/60Hz		DLN	LED Night Light w/Light Level Control	
				120	120VAC			(100%-20%, voltage-specific selection required, n/a 347V)	
		2'×2'		277	277VAC		TWA	Top Wiring Access Hole	
		45LD	45 Watt Dual-Row LED	347	347VAC		MS	Motion Sensor (n/a with 347V)	
		67L	67 Watt LED						
		90L	90 Watt LED						
		2'×4'		Doorframe Options					
		45LD	45 Watt Dual-Row LED	2F	18-Ga CRS in Gloss White (STD)				
		67L	67 Watt LED	5F	20-Ga Type 304 SS with 4B Brushed Finish				
		90L	90 Watt LED						
		135L	135 Watt LED	Housing/Flange Options					
		180L	180 Watt LED	2H	20-Ga CRS/18-Ga CRS in Gloss White (STD)				
				5H	20-Ga Type 304 SS Brushed				
				Lens Type					
				6	.187" #12 Prismatic Polycarbonate				
				SYM/9	Symmetric, Diffused DR Acrylic inside lens				
					.250" Clear Polycarbonate outside lens				
				SL	Specified Lens				



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HIGH ABUSE

HASESI SERIES – LED – INSET DOOR

PERFORMANCE		Initial Delivered Lumens		Input Power (W)	Drive Current (mA)	Estd. L70 LED Life (Hrs)
Model	Lamp Type	@ 25°C	Efficacy (lm/W)			
HASESI14	45L-30K8	4,480	97	46	100	80,000
	45L-35K8	4,633	100			
	45L-40K8	4,776	103			
	45L-50K8	4,967	108			
	67L-30K8	6,862	95	72	75	80,000
	67L-35K8	7,096	99			
	67L-40K8	7,316	102			
	67L-50K8	7,608	106			
	90L-30K8	8,818	90	98	100	60,000
	90L-35K8	9,119	93			
	90L-40K8	9,401	96			
	90L-50K8	9,777	100			
HASESI22	45LD-30K8	4,633	100	47	100	80,000
	45LD-35K8	4,792	103			
	45LD-40K8	4,940	106			
	45LD-50K8	5,137	110			
	67L-30K8	7,098	99	72	75	80,000
	67L-35K8	7,340	102			
	67L-40K8	7,567	105			
	67L-50K8	7,869	109			
	90L-30K8	9,120	93	98	100	60,000
	90L-35K8	9,431	96			
	90L-40K8	9,723	99			
	90L-50K8	10,112	103			
HASESI24	45LD-30K8	5,602	123	45	50	100,000
	45LD-35K8	5,793	128			
	45LD-40K8	5,972	132			
	45LD-50K8	6,211	137			
	67L-30K8	8,184	114	72	75	80,000
	67L-35K8	8,464	118			
	67L-40K8	8,725	121			
	67L-50K8	9,074	126			
	90L-30K8	10,517	112	94	100	60,000
	90L-35K8	10,876	116			
	90L-40K8	11,212	120			
	90L-50K8	11,660	125			
	135L-30K8	14,908	101	147	100	60,000
	135L-35K8	15,417	105			
	135L-40K8	15,894	108			
	135L-50K8	16,529	112			
	180L-30K8	20,328	104	196	100	60,000
	180L-35K8	21,022	107			
	180L-40K8	21,672	111			
	180L-50K8	22,539	115			

Provided information includes SYM/9 Lens Type. Information subject to change without notice. Visit www.kenall.com for IES files and additional information.



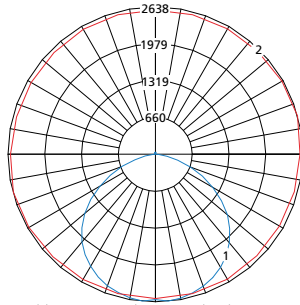
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HIGH ABUSE**HASESI SERIES – TECHNICAL DATA****PERFORMANCE**

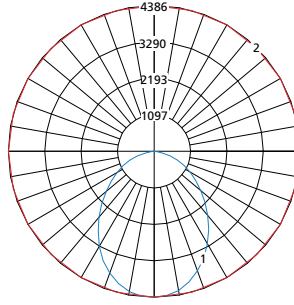
Model: HASESI-14-67L-40K8-DIM1-DV-2F-2H-SYM/9



Maximum Candela = 2638 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.)

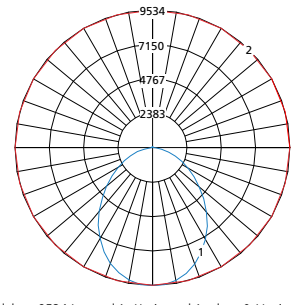
Model: HASESI-22-90L-40K8-DIM1-DV-2F-2H-SYM/9



Max Candela = 4386 Located At Horizontal Angle = 0, Vertical Angle = 0

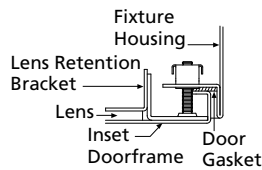
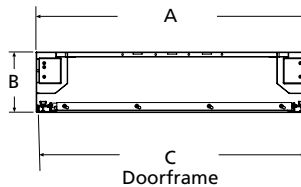
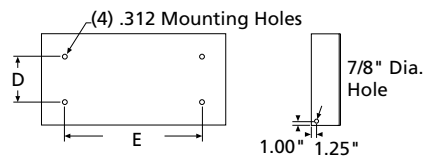
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
 2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

Model: HASESI-24-180L-40K8-DIM1-DV-2F-2H-SYM/9



Max Candela = 9534 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****MOUNTING HOLES**

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

DIMENSIONAL DATA (IN INCHES)

	A	B	C	D	E
1x4	10.60x48.13	5.00	10.20x47.70	6.00	28.00
2x2	22.60x24.13	5.00	22.20x23.70	17.00	13.00
2x4	22.60x48.13	5.00	22.20x47.70	17.00	36.00



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