

# HIGH ABUSE

## HASESI SERIES – LED – INSET DOOR

### PROJECT INFORMATION

Job Name \_\_\_\_\_

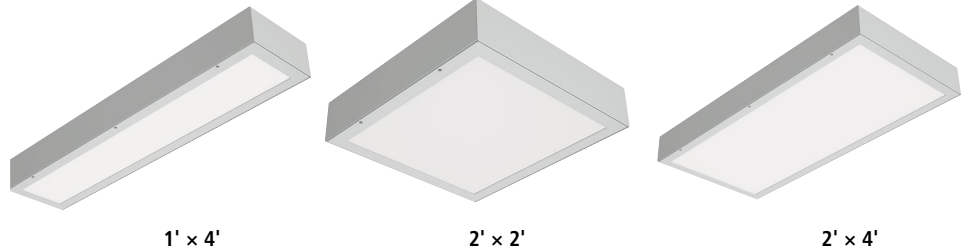
Fixture Type \_\_\_\_\_

Catalog Number \_\_\_\_\_

Approved by \_\_\_\_\_

#### 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 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.

**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](http://www.kenall.com)

**WARRANTY:** Limited five (5) year LED warranty.

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



#### 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
<b>HASESI</b>									
				<b>DIM1</b>					
<b>Size</b>		<b>Lamp Power</b>		<b>Driver Type</b>					<b>Options</b>
<b>14</b>	1'x4'	<b>1'x4'</b>		<b>DIM1</b>	0-10V Dimming to 1%				<b>LEL</b> 8.4W Emergency Battery Pack (n/a with 347V)
<b>22</b>	2'x2'	<b>45L</b>	45 Watt LED						<b>FS</b> Fuse & Holder
<b>24</b>	2'x4'	<b>67L</b>	67 Watt LED	<b>Voltage</b>					<b>TH</b> 1/2" Trade Size Threaded Hub
		<b>90L</b>	90 Watt LED	<b>DV</b>	120-277VAC, 50/60Hz				<b>DLN</b> LED Night Light w/Light Level Control (100%-20%, voltage-specific selection required, n/a 347V)
				<b>120</b>	120VAC				<b>TWA</b> Top Wiring Access Hole
		<b>2'x2'</b>		<b>277</b>	277VAC				<b>MS</b> Motion Sensor (n/a with 347V)
		<b>45LD</b>	45 Watt Dual-Row LED	<b>347</b>	347VAC				
		<b>67L</b>	67 Watt LED			<b>Doorframe Options</b>			
		<b>90L</b>	90 Watt LED			<b>2F</b>	18-Ga CRS in Gloss White (STD)		
						<b>5F</b>	20-Ga Type 304 SS with 4B Brushed Finish		
		<b>2'x4'</b>				<b>Housing/Flange Options</b>			
		<b>45LD</b>	45 Watt Dual-Row LED			<b>2H</b>	20-Ga CRS/18-Ga CRS in Gloss White (STD)		
		<b>67L</b>	67 Watt LED			<b>5H</b>	20-Ga Type 304 SS Brushed		
		<b>90L</b>	90 Watt LED			<b>Lens Type</b>			
		<b>135L</b>	135 Watt LED			<b>6</b>	.187" #12 Prismatic Polycarbonate		
		<b>180L</b>	180 Watt LED			<b>SYM/9</b>	Symmetric, Diffused DR Acrylic inside lens .250" Clear Polycarbonate outside lens		
		<b>Lamp Color</b>				<b>SL</b>	Specified Lens		
		<b>35K8</b>	3500K / 82 CRI min.						
		<b>40K8</b>	4000K / 82 CRI min.						
		<b>50K8</b>	5000K / 82 CRI min.						



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HASESI\_14\_22\_24-120720

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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-35K8	4,633	100	46	100	80,000
	45L-40K8	4,776	103	46	100	80,000
	45L-50K8	4,967	108	46	100	80,000
	67L-35K8	7,096	99	72	75	80,000
	67L-40K8	7,316	102	72	75	80,000
	67L-50K8	7,608	106	72	75	80,000
	90L-35K8	9,119	93	98	100	60,000
	90L-40K8	9,401	96	98	100	60,000
	90L-50K8	9,777	100	98	100	60,000
HASESI22	45LD-35K8	4,792	103	47	100	80,000
	45LD-40K8	4,940	106	47	100	80,000
	45LD-50K8	5,137	110	47	100	80,000
	67L-35K8	7,340	102	72	75	80,000
	67L-40K8	7,567	105	72	75	80,000
	67L-50K8	7,869	109	72	75	80,000
	90L-35K8	9,431	96	98	100	60,000
	90L-40K8	9,723	99	98	100	60,000
	90L-50K8	10,112	103	98	100	60,000
HASESI24	45LD-35K8	5,793	128	45	50	100,000
	45LD-40K8	5,972	132	45	50	100,000
	45LD-50K8	6,211	137	45	50	100,000
	67L-35K8	8,464	118	72	75	80,000
	67L-40K8	8,725	121	72	75	80,000
	67L-50K8	9,074	126	72	75	80,000
	90L-35K8	10,876	116	94	100	60,000
	90L-40K8	11,212	120	94	100	60,000
	90L-50K8	11,660	125	94	100	60,000
	135L-35K8	15,417	105	147	100	60,000
	135L-40K8	15,894	108	147	100	60,000
	135L-50K8	16,529	112	147	100	60,000
	180L-35K8	21,022	107	196	100	60,000
	180L-40K8	21,672	111	196	100	60,000
	180L-50K8	22,539	115	196	100	60,000

Displayed information is for SYM/9 Lens Type option only. Additional wattages and color temperatures are also available. Visit [www.kenall.com](http://www.kenall.com) for additional information.



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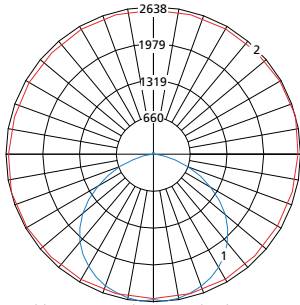
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# HIGH ABUSE

## HASESI SERIES – TECHNICAL DATA

### PERFORMANCE

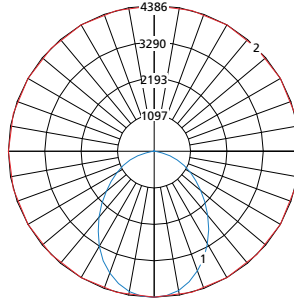
Model: HASESI-14-67L-40K8-DIM1-DV-2F-2H-SYM/9



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.)

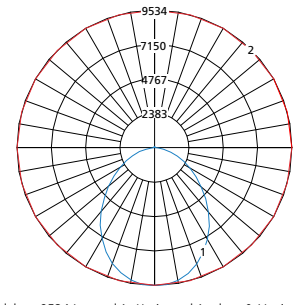
Model: HASESI-22-90L-40K8-DIM1-DV-2F-2H-SYM/9



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

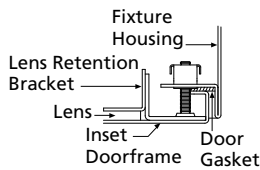


Max Candela = 9534 Located At Horizontal Angle = 0, Vertical Angle = 5

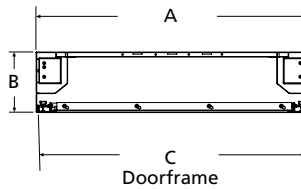
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
 2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

### DIMENSIONAL DATA

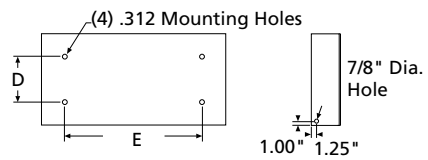
#### GASKET PROFILE



#### 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	12.00	12.00
2x4	22.60x48.13	5.00	22.20x47.70	17.00	36.00



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