

MIGHTY MAC™

SSD SERIES

PRODUCT FEATURES:

- » Surface ceiling mount – 24"×24" and 24"×48" lengths
- » TIG welded housing with no post grinding for additional strength
- » Vertically adjustable bracket secured to housing via thru-studs
- » Completely concealed internal drop slot piano hinge



PROJECT INFORMATION

Job Name _____

Fixture Type _____

Catalog Number _____

Approved by _____

SPECIFICATIONS

HOUSING: One-piece die-formed prime grade material as specified – see ordering information. Corners continuously seam welded and smooth with no post grinding (TIG). Clamshell housing resistant to penetration and contraband concealment.

BASEPLATE: Prime grade material as specified – see ordering information. Die-formed blade trap (1/4" minimum) prevents contraband concealment and access. Embossed standoffs prevent distortion.

LENS: As specified – maximum thickness .625" – see ordering information. Kenall recommends a prismatic inner lens and a clear outer lens. Two clear lenses used in combination cannot be provided.

LENS RETENTION: Vertically adjustable continuous "Z" brackets of prime grade material, secured to housing via thru-studs (6" maximum spacing).

HINGE: 2' completely concealed internal drop slot piano hinge (1/2" knuckle/1/8" diameter pin) standard. Pin secured to knuckle. Hinge welded to housing and mounts to either side of baseplate via keyholes. See Options for Full Length Internal Hinge (IHf).

FASTENERS: Hardened security screws as specified – see ordering information. Fully recessed.

FINISH: TGIC polyester powder coat – 5-stage pre-treatment. Salt spray test: 1,000 hours; Reflectance: 92%.

LED ELECTRICAL: Available 3000K, 3500K, 4000K and 5000K color temperatures, 82 CRI. 120-277VAC, or 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); 330µA max. source current.

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

LAMPS: Quantity and type as specified – see ordering information. Lamps supplied by others.

BALLAST: Quantity and type as specified – see ordering information. All ballasts UL listed class P. Optional removable reflector/lamp/ballast tray with quick disconnect.

LUMINOUS SEAL: Polyurethane foam prevents light leaks from luminaire base.

INSTALLATION: Fixture not suitable for Surface Conduit or Continuous Row Mounting.

PHOTOMETRICS: Efficiency of SSD4-0/0-432-IS-1-120-1/B-1 = 70%. For photometric information, go to www.kenall.com.

WARRANTY: Limited five (5) year warranty on LED lamps.

LISTINGS: UL and CUL listed for Damp Locations. See ordering information for Wet Location applications.



ORDERING INFORMATION (Ex: SSD-4-67L35K-DCC-DV-SYM/B-1-FS)

Model	Size	Hsg./Door Material	Lamp Qty	Lamp Type	Ballast Type	Ballast Qty	Voltage	Lens (Inner/Outer)	Fasteners	Options			
SSD													
Nominal Size		4' Nominal Length			Ballast Quantity (n/a with LED)			Fastener					
2	24"×24"	45L30K	45	Watt 3000K LED (82 CRI)	1	One	1	Torx® T-20 Head w/ Center Pin					
4	24"×48"	45L35K	45	Watt 3500K LED (82 CRI)	2	Two	2	Allen Head w/ Center Pin					
Housing/Base Material		45L40K			Voltage			Options					
0	14-Ga CRS (Painted White)	45L50K	45	Watt 5000K LED (82 CRI)	120	120 Volts	EL•	Standard Lumen EL Pack					
1	16-Ga CRS (Painted White)	67L30K	67	Watt 3000K LED (82 CRI)	277	277 Volts	LEL	Integral 8.4W Emergency Battery Backup (4' only, 45L max; n/a 347V, 0°C min ambient)					
3	14-Ga SS (Painted White)	67L35K	67	Watt 3500K LED (82 CRI)	347	347 Volts	LELST	Integral 6W Self-Testing Emergency Battery Backup (4' only, 45L max; n/a 347V, 0°C min ambient)					
4	16-Ga SS (Painted White)	67L40K	67	Watt 4000K LED (82 CRI)	DV	120-277 Volts	DLN	LED Night Light w/Light Level Control (100% - 20%, voltage-specific selection req'd, n/a 347V)					
6*	14-Ga SS (Brushed)	67L50K	67	Watt 5000K LED (82 CRI)	Lens (Inner/Outer)‡			FS	Single Fuse & Holder				
7*	16-Ga SS (Brushed)	90L30K	90	Watt 3000K LED (82 CRI)	SYM[▲]	Symmetric, Diffused DR Acrylic	0	No Lens	IHF	Full Length Internal Hinge			
9	12-Ga CRS (Painted White)	90L35K	90	Watt 3500K LED (82 CRI)	1	.125" Prismatic Acrylic	1	.125" Prismatic Polycarbonate	RGT	Removable Gear Tray			
Lamp Quantity (n/a with LED)		90L40K	90	Watt 4000K LED (82 CRI)	2	.125" Textured Polycarbonate	2	.125" Textured Polycarbonate	SK	Speaker Housing Extension			
2	Two	90L50K	90	Watt 5000K LED (82 CRI)	3	.125" Clear Polycarbonate	3	.125" Clear Polycarbonate	WL	Wet Location Listed			
3	Three	28	F28T5	Ballast/Driver Type			4	.156" Prismatic Polycarbonate					
4	Four	32	F32T8	IS	Instant Start Electronic <10% THD (T8)	4	.156" Textured Tempered Glass	6	.187" Prismatic Polycarbonate				
Lamp Type		54	F54T5HO	RS	Rapid Start Electronic <10% THD (CFL, T8, T5, T5HO)	7[▲]	.187" Clear Polycarbonate	7[▲]	.187" Clear Polycarbonate				
2' Nominal Length		IS	Instant Start Electronic <10% THD (T8)	SB	Specified Ballast	8[▲]	.187" Clear Tempered Glass	8[▲]	.187" Clear Tempered Glass				
45L30K	45 Watt 3000K LED (82 CRI)	DCC	Dimming Constant Current Driver				9[▲]	.250" Clear Polycarbonate	9[▲]	.250" Clear Polycarbonate			
45L35K	45 Watt 3500K LED (82 CRI)							A[▲]	.250" Clear Tempered Glass	A[▲]	.250" Clear Tempered Glass		
45L40K	45 Watt 4000K LED (82 CRI)							B[▲]	.375" Clear Polycarbonate	B[▲]	.375" Clear Polycarbonate		
45L50K	45 Watt 5000K LED (82 CRI)							C[▲]	.375" Clear Tempered Glass	C[▲]	.375" Clear Tempered Glass		
17	F17T8							J[▲]	.500" Clear Polycarbonate	J[▲]	.500" Clear Polycarbonate		
								P[▲]	.500" Clear Tempered Glass	P[▲]	.500" Clear Tempered Glass		

*n/a as Base Material
 •Three lamp max. w/ F54T5HO; n/a with LED
 ‡Refer to lens specifications
 ▲Must be paired with prismatic, diffused or textured lens when ordering LED lamps
 ▲ Can only be used with clear outer lens



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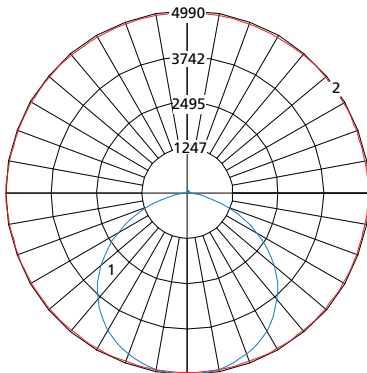
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PERFORMANCE

Nominal Size	Lamp Type	Initial Delivered Lumens		Input Power (W)	Drive Current (mA)	Estd. L70 LED Life (Hrs)
		@ 25°C	Efficacy (lm/W)			
2	45L30K	4,944	107	46	100	80,000
	45L35K	5,096	110	46	100	80,000
	45L40K	5,270	114	46	100	80,000
	45L50K	5,486	118	46	100	80,000
4	45L30K	5,423	117	46	100	80,000
	45L35K	5,590	121	46	100	80,000
	45L40K	5,781	125	46	100	80,000
	45L50K	6,018	130	46	100	80,000
	67L30K	8,659	116	74	75	80,000
	67L35K	8,927	120	74	75	80,000
	67L40K	9,231	124	74	75	80,000
	67L50K	9,610	129	74	75	80,000
	90L30K	10,693	110	97	100	80,000
	90L35K	11,023	114	97	100	80,000
	90L40K	11,400	118	97	100	80,000
	90L50K	11,867	123	97	100	80,000

NOTE: All products tested with SYM/B lens configuration. See "Lumen Output Scaling Factor" table for output values with alternate lens configurations. Information subject to change without notice. Visit www.kenall.com for IES files and additional information.

Model: SSD-4-1/1-1-90L40K-DCC-1-DV-Y/B-1



Maximum Candela = 4990 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.)

LUMEN OUTPUT SCALING FACTORS

Lens Configuration	Inner Lens	Outer Lens	Scaling Factor
SYM/G	1/8" Frost Acrylic	1/8" Clear PC	1.10
SYM/7		3/16" Clear PC	1.06
SYM/8		3/16" Clear TG	1.06
SYM/9		1/4" Clear PC	1.03
SYM/B		3/8" Clear PC	1.00
SYM/C		3/8" Clear TG	1.03
SYM/J		1/2" Clear PC	0.99
1/G		1/8" Prismatic Acrylic	1/8" Clear PC
1/9	1/4" Clear PC		0.99
1/B	3/8" Clear PC		0.99
2/J	1/8" Prismatic PC	1/2" Clear PC	0.87

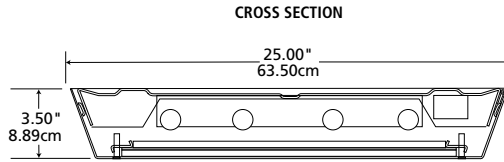
NOTE: Use this table to determine the lumen output and efficacy of the desired lens configuration by multiplying the provided value with the appropriate number in the "Performance" table above.



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DIMENSIONAL DATA



MOUNTING HOLES

