

MIGHTY MAC™

SDD SERIES

PRODUCT FEATURES:

- » Surface ceiling mount – 24"×24" and 24"×48"
- » Housing TIG welded with no post grinding for additional strength
- » "Z" bracket lens retention with thru-studs spaced 6" apart



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).

LENS: As specified – maximum thickness .625" – see Ordering Information. Kenall recommends a clear outer lens with a prismatic, textured or diffused inner 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).

DOOR: One-piece die-formed prime grade material as specified – see Ordering Information.

HINGE: Staked and welded external piano hinge (1/2" knuckle/1/8" diameter pin) standard. See Options for Internal Hinge (IH) and 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%.

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); 330 µA max. source current. LE: 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.

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

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: SDD-4-0/0-67L40K-DCC-277-SYM/B-1-DLN)

Model	Size	Housing/Base	Lamp Qty	Lamp Type	Driver/Ballast	Ballast Qty	Voltage	Lens (Inner/Outer)	Fasteners	Options		
SDD		/						/				
Nominal Size		Lamp Quantity (n/a with LED)		Ballast Quantity (n/a with LED)		Fastener						
2	24"×24"	2	Two	1	One	1	Torx® T-20 Head w/ Center Pin					
4	24"×48"	3	Three	2	Two	2	Allen Head w/Center Pin					
4		4	Four									
Housing/Door Material		Lamp Type		Voltage		Options						
0	14-Ga CRS (Painted White)	2' Nominal Length		120	120 Volts	LEL		Integral 8.4W Emergency Battery Backup (4' only, 45L max; n/a 347V, 0°C min ambient)				
1	16-Ga CRS (Painted White)	25L30K		25 Watt 3000K LED	277	277 Volts	LELST		Integral 6W Self-Testing Emergency Battery Backup (4' only, 45L max; n/a 347V, 0°C min ambient)			
2*	18-Ga CRS (Painted White)	25L35K		25 Watt 3500K LED	347	347 Volts	EL•		Standard Lumen EL Pack			
3	14-Ga SS (Painted White)	25L40K		25 Watt 4000K LED	DV	120-277 Volts	DLN		LED Night Light w/Light Level Control (100% - 20%; voltage-specific selection required; n/a with 347V)			
4	16-Ga SS (Painted White)	25L50K		25 Watt 5000K LED			FS		Single Fuse & Holder			
6	14-Ga SS (Brushed)	17		F17T8			IHF		Full Length Internal Hinge			
7	16-Ga SS (Brushed)	4' Nominal Length						IH		Internal Hinge		
9	12-Ga CRS (Painted White)	45L30K		45 Watt 3000K LED			KO		1/2" EMT Knockout			
		45L35K		45 Watt 3500K LED			RGT		Removable Gear Tray			
		45L40K		45 Watt 4000K LED			SK		Speaker Housing Extension			
		45L50K		45 Watt 5000K LED			WL		Wet Location Listed			
		67L30K		67 Watt 3000K LED								
		67L35K		67 Watt 3500K LED								
		67L40K		67 Watt 4000K LED								
		67L50K		67 Watt 5000K LED								
		90L30K		90 Watt 3000K LED								
		90L35K		90 Watt 3500K LED								
		90L40K		90 Watt 4000K LED								
		90L50K		90 Watt 5000K LED								
		28		F28T5								
		32		F32T8								
		54		F54T5HO								
		Driver/Ballast Type										
		IS		Instant Start Electronic <10% THD (T8)								
		RS		Rapid Start Electronic <10% THD (T8, T5, T5HO)								
		SB		Specified Ballast								
		DCC		Dimming Constant Current Driver								

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



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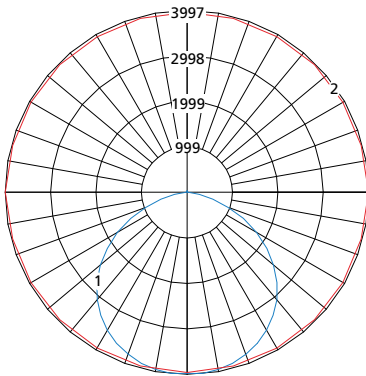
SDD SERIES

PERFORMANCE

Model	Lamp Type	Initial Delivered Lumens		Input Power (W)	Drive Current (mA)	Estd. L70 LED Life (Hrs)
		@ 25°C	Efficacy (lm/W)			
SDD-2	25L30K	2,811	99	28	117	80,000
	25L35K	2,898	102	28	117	80,000
	25L40K	2,997	105	28	117	80,000
	25L50K	3,116	110	28	117	80,000
SDD-4	45L30K	5,322	118	45	100	80,000
	45L35K	5,486	122	45	100	80,000
	45L40K	5,673	126	45	100	80,000
	45L50K	5,906	131	45	100	80,000
	67L30K	8,497	114	74	75	80,000
	67L35K	8,760	118	74	75	80,000
	67L40K	9,059	122	74	75	80,000
	67L50K	9,431	127	74	75	80,000
	90L30K	10,494	108	97	100	80,000
	90L35K	10,818	112	97	100	80,000
	90L40K	11,187	116	97	100	80,000
	90L50K	11,646	120	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: SDD-4-x-y-90L40K-DCC-z-SYM-B-1



Maximum Candela = 3997 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.)

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

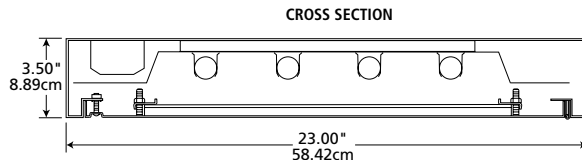
NOTE: Use this table to determine the lumen output and efficacy of the desired lens configuration by multiplying the provided value with the appropriate number in the "Performance" table above.



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DIMENSIONAL DATA



MOUNTING HOLES

