

# 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 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. LF: 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.

**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
<b>SDD</b> / / / / /										
<b>Nominal Size</b>			<b>Lamp Quantity (n/a with LED)</b>			<b>Ballast Quantity (n/a with LED)</b>			<b>Fastener</b>	
2	24"×24"		2	Two		1	One		1	Torx® Head w/Center Pin
4	24"×48"		3	Three		2	Two		2	Allen Head w/Center Pin
			4	Four						
<b>Housing/Door Material</b>			<b>Lamp Type</b>			<b>Voltage</b>			<b>Options</b>	
0	14-Ga CRS (Painted White)		<b>2' Nominal Length</b>			120	120 Volts		<b>LEL</b> Integral 8.4W Emergency Battery Backup (4' only, 45L max; n/a 347V, 0°C min ambient)	
1	16-Ga CRS (Painted White)		<b>25L35K</b> 25 Watt 3500K LED			277	277 Volts		<b>LELST</b> Integral 6W Self-Testing Emergency Battery Backup (4' only, 45L max; n/a 347V, 0°C min ambient)	
2*	18-Ga CRS (Painted White)		<b>25L40K</b> 25 Watt 4000K LED			347	347 Volts		<b>EL•</b> Standard Lumen EL Pack	
3	14-Ga SS (Painted White)		<b>25L50K</b> 25 Watt 5000K LED			DV	120-277 Volts		<b>DLN</b> LED Night Light w/Light Level Control (100% - 20%; voltage-specific selection required; n/a with 347V)	
4	16-Ga SS (Painted White)		<b>17</b> F17T8						<b>FS</b> Single Fuse & Holder	
6	14-Ga SS (Brushed)		<b>4' Nominal Length</b>			<b>Lens (Inner/Outer)‡</b>			<b>IHF</b> Full Length Internal Hinge	
7	16-Ga SS (Brushed)		<b>45L35K</b> 45 Watt 3500K LED			<b>SYM</b> Symmetric, Diffused DR Acrylic			<b>IH</b> Internal Hinge	
9	12-Ga CRS (Painted White)		<b>45L40K</b> 45 Watt 4000K LED			<b>0</b> No Lens			<b>KO</b> 1/2" EMT Knockout	
			<b>45L50K</b> 45 Watt 5000K LED			<b>1</b> .125" Prismatic Acrylic			<b>RG</b> Removable Gear Tray	
			<b>67L35K</b> 67 Watt 3500K LED			<b>2</b> .125" Prismatic Polycarbonate			<b>SK</b> Speaker Housing Extension	
			<b>67L40K</b> 67 Watt 4000K LED			<b>3</b> .125" Textured Polycarbonate			<b>WL</b> Wet Location Listed	
			<b>67L50K</b> 67 Watt 5000K LED			<b>G†</b> .125" Clear Polycarbonate				
			<b>90L40K</b> 90 Watt 4000K LED			<b>4</b> .156" Prismatic Polycarbonate				
			<b>90L50K</b> 90 Watt 5000K LED			<b>TG</b> .125" Textured Tempered Glass				
			<b>28</b> F28T5			<b>6</b> .187" Prismatic Polycarbonate				
			<b>32</b> F32T8			<b>7†</b> .187" Clear Polycarbonate				
			<b>54</b> F54T5HO			<b>8†</b> .187" Clear Tempered Glass				
			<b>Driver/Ballast Type</b>			<b>9†</b> .250" Clear Polycarbonate				
			<b>IS</b> Instant Start Electronic <10% THD (T8)			<b>A†</b> .250" Clear Tempered Glass				
			<b>RS</b> Rapid Start Electronic <10% THD (T8, T5, T5HO)			<b>B†</b> .375" Clear Polycarbonate				
			<b>SB</b> Specified Ballast			<b>C†</b> .375" Clear Tempered Glass				
			<b>DCC</b> Dimming Constant Current Driver			<b>J†</b> .500" Clear Polycarbonate				
						<b>P†</b> .500" Clear Tempered Glass				

\* 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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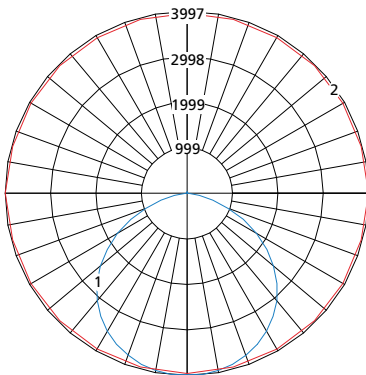
## SDD SERIES

### 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	25L35K	2,898	102	28	117	80,000
	25L40K	3,089	109	28	117	80,000
	25L50K	3,213	113	28	117	80,000
SDD-4	45L35K	5,486	122	45	100	80,000
	45L40K	5,673	126	45	100	80,000
	45L50K	5,906	131	45	100	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
	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](http://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

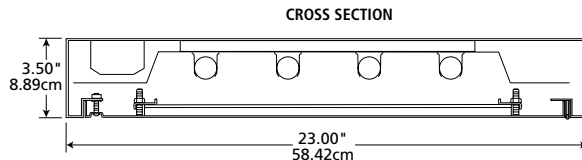
NOTE: Use this table to determine the lumen output and efficacy of the desired lens configuration by multiplying the provided value with the appropriate number in the "Performance" table above.



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### DIMENSIONAL DATA



**MOUNTING HOLES**

