

# MIGHTY MAC™

## SDSA SERIES

### PRODUCT FEATURES:

- » Surface ceiling mount – 12"×24" , 12"×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).

**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 2' Internal Hinge (IH) and Full Length Internal Hinge (IHF).

**LENS:** As specified – maximum total 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).

**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. 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.

**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:** Luminaire is certified to UL Standards by either Underwriters Laboratory or Intertek Testing Laboratory for Damp Location. See Options for Wet Location rating.



### ORDERING INFORMATION (Ex: SDSA-4-3/3-67L50K-DCC-120-SYM/B-1-LEL)

Model	Size	Hsg./Door Material	Lamp Qty	Lamp Type	Driver/Ballast Type	Ballast Qty	Voltage	Lens (Inner/Outer)	Fasteners	Options
<b>SDSA</b>										
<b>Nominal Size</b>										
2	12"×24"									
4	12"×48"									
<b>Housing/Door Material</b>										
0	14-Ga CRS (Painted White)									
1	16-Ga CRS (Painted White)									
2*	18-Ga CRS (Painted White)									
3	14-Ga SS (Painted White)									
4	16-Ga SS (Painted White)									
6	14-Ga SS (Brushed)									
7	16-Ga SS (Brushed)									
9	12-Ga CRS (Painted White)									
<b>Lamp Quantity (n/a with LED)</b>										
1	One									
2	Two									
3	Three									
<b>Lamp Type</b>										
<b>2' Nominal Length</b>										
25L30K	25 Watt 3000K LED									
25L35K	25 Watt 3500K LED									
25L40K	25 Watt 4000K LED									
25L50K	25 Watt 5000K LED									
17	F17T8									
<b>4' Nominal Length</b>										
45L30K	45 Watt 3000K LED									
45L35K	45 Watt 3500K LED									
45L40K	45 Watt 4000K LED									
45L50K	45 Watt 5000K LED									
67L30K	67 Watt 3000K LED									
67L35K	67 Watt 3500K LED									
67L40K	67 Watt 4000K LED									
67L50K	67 Watt 5000K LED									
28	F28T5									
32	F32T8									
54	F54T5HO									
<b>Driver/Ballast Type</b>										
DCC	Dimming Constant Current LED Driver									
IS	Instant Start Electronic <10% THD (T8)									
RS	Rapid Start Electronic <10% THD (T8, T5, T5HO)									
SB	Specified Ballast									
<b>Ballast Quantity (n/a with LED)</b>										
1	One									
2	Two									
<b>Voltage</b>										
120	120 Volts									
277	277 Volts									
347	347 Volt									
DV	120-277 Volts									
<b>Lens (Inner/Outer)</b>										
<b>SYM**</b> Symmetric, Diffused DR Acrylic										
0	No Lens									
1	.125" Prismatic Acrylic									
2	.125" Prismatic Polycarbonate									
3	.125" Textured Polycarbonate									
G▼	.125" Clear Polycarbonate									
4	.156" Prismatic Polycarbonate									
TG	.250" Textured Tempered Glass									
6	.187" Prismatic Polycarbonate									
7▼	.187" Clear Polycarbonate									
8▼	.187" Clear Tempered Glass									
9▼	.250" Clear Polycarbonate									
A▼	.250" Clear Tempered Glass									
B▼	.375" Clear Polycarbonate									
C▼	.375" Clear Tempered Glass									
J▼	.500" Clear Polycarbonate									
P▼	.500" Clear Tempered Glass									
<b>Fasteners</b>										
1	Torx® T-20 Head w/ Center Pin									
2	Allen Head w/ Center Pin									
<b>Options</b>										
LEL	Integral 10W Emergency Battery Backup (4' only; n/a 347V, 0°C min ambient)									
LELST	Integral 6W Self-Testing Emergency Battery Backup (4' only, 45L max; n/a 347V, 0°C min ambient)									
EL•	Standard Lumen EL Pack									
DLN	LED Night Light w/Light Level Control (100% - 20%; voltage-specific selection required; n/a with 347V)									
FS	Single Fuse & Holder									
IH	Internal Hinge									
IHF	Full Length Internal Hinge									
KO	1/2" (1.27cm) EMT Knockout									
RGTr	Removable Gear Tray									
SK•	Speaker Housing Extension									
WL	Wet Location Listed									
* n/a as Door Material										
** can only be used with clear outer lens										
• n/a with LED										
▼ Must be paired with prismatic, diffused or textured lens when ordering LED lamps										



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# MIGHTY MAC™

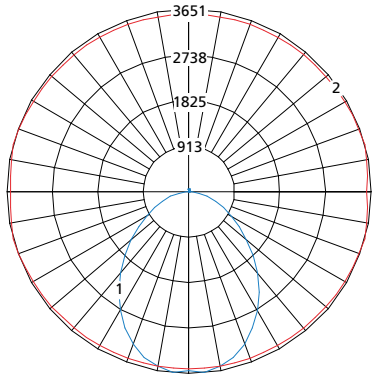
## SDSA SERIES – TECHNICAL DATA

### PERFORMANCE

Model	Lamp Type	Initial Delivered Lumens				
		@ 25°C	Efficacy (lm/W)	Input Power (W)	Drive Current (mA)	Estd. L70 LED Life (Hrs)
SDSA-2	25L30K	2,298	81	28	117	80,000
	25L35K	2,369	83	28	117	80,000
	25L40K	2,449	86	28	117	80,000
	25L50K	2,547	90	28	117	80,000
SDSA-4	45L30K	4,350	94	46	100	80,000
	45L35K	4,484	97	46	100	80,000
	45L40K	4,637	100	46	100	80,000
	45L50K	4,827	105	46	100	80,000
	67L30K	6,946	93	74	75	80,000
	67L35K	7,161	96	74	75	80,000
	67L40K	7,405	100	74	75	80,000
	67L50K	7,708	104	74	75	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: SDSA-4-x-y-67L40K-DCC-z-SYM-B-1



Maximum Candela = 3651 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.)

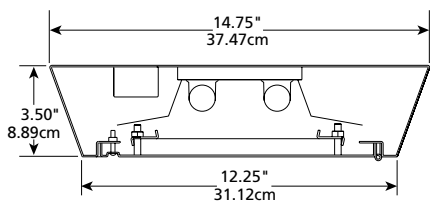
### LUMEN OUTPUT SCALING FACTORS

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	1.04
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.

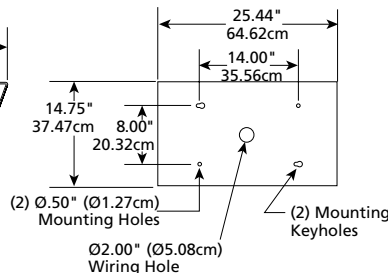
### DIMENSIONAL DATA

#### CROSS SECTION

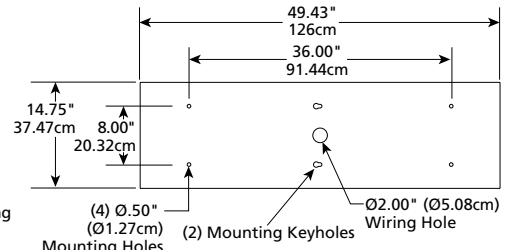


#### MOUNTING HOLES

##### SDSA-2



##### SDSA-4



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