

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

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). TGIC polyester powder coat in gloss white with five-stage pre-treatment. Salt spray test: 1,000 hours.

DOOR: One-piece die-formed prime grade material as specified – see Ordering Information. TGIC polyester powder coat in gloss white with five-stage pre-treatment. Salt spray test: 1,000 hours.

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.

LED MODULE: Serviceable mid-power LED array. Minimum 80 CRI standard (R9>0), consult factory for optional 90CRI (R9>50). Maximum three-step MacAdam ellipse variation. See Ordering Information for available color temperature options.

DRIVER: 120-277VAC or 347VAC, 50/60Hz electrical input with serviceable constant-current driver (<20% THD, >0.90 PF). Minimum 85% driver efficiency. Standard 0-10V dimming with 1-100% range and dim-to-dark capabilities; 0.2mA maximum source current.

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 LED warranty.

LISTINGS: Luminaire is certified to UL Standards by Intertek Testing Laboratory for Damp Location. See Options for Wet Location rating. Build America, Buy America Act compliant.



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

Model	Size	Hsg./Door Material	Lamp Code	Driver Type	Voltage	Lens (Inner/Outer)	Fasteners	Options
SDSA		/		DCC		/		
Nominal Size		4' Nominal Length		Voltage		Fasteners		
2	12"×24"	45L30K	45 Watt 3000K LED	DV	120-277VAC, 50/60Hz	1	Torx® T-20 Head w/ Center Pin	
4	12"×48"	45L35K	45 Watt 3500K LED	347	347VAC, 60Hz	2	Allen Head w/ Center Pin	
Housing/Door Material				Lens (Inner/Outer)		Options		
0	14-Ga CRS (Painted White)	45L50K	45 Watt 5000K LED	0	No Lens	LEL	Integral 10W Emergency Battery Backup (4' only; n/a 347V, 0°C min ambient)	
1	16-Ga CRS (Painted White)	67L30K	67 Watt 3000K LED	1	.125" Prismatic Acrylic	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)	67L35K	67 Watt 3500K LED	2	.125" Prismatic Polycarbonate	NLW†	2700K White LED Night Light	
3	14-Ga SS (Painted White)	67L40K	67 Watt 4000K LED	3	.125" Textured Polycarbonate	NLA†	Amber LED Night Light	
4	16-Ga SS (Painted White)	67L50K	67 Watt 5000K LED	4	.125" Clear Polycarbonate	FS	Single Fuse & Holder	
6	14-Ga SS (Brushed)	Driver Type		G▼	.156" Prismatic Polycarbonate	IH	Internal Hinge	
7	16-Ga SS (Brushed)	DCC	0-10V Dimming Constant Current	4	.156" Clear Polycarbonate	IHF	Full Length Internal Hinge	
9	12-Ga CRS (Painted White)			TG	.250" Textured Tempered Glass	KO	1/2" (1.27cm) EMT Knockout	
Lamp Code				6	.187" Prismatic Polycarbonate	RG†	Removable Gear Tray	
2' Nominal Length				7▼	.187" Clear Polycarbonate	SK•	Speaker Housing Extension	
25L30K	25 Watt 3000K LED			8▼	.187" Clear Tempered Glass	WL	Wet Location Listed	
25L35K	25 Watt 3500K LED			9▼	.250" Clear Polycarbonate			
25L40K	25 Watt 4000K LED			A▼	.250" Clear Tempered Glass			
25L50K	25 Watt 5000K LED			B▼	.375" Clear Polycarbonate			
				C▼	.375" Clear Tempered Glass			
				J▼	.500" Clear Polycarbonate			
				P▼	.500" Clear Tempered Glass			

- * n/a as Door Material
- ** can only be used with clear outer lens
- consult factory for availability
- ▼ Must be paired with prismatic, diffused or textured lens
- † n/a with 347 input



MIGHTY MAC™

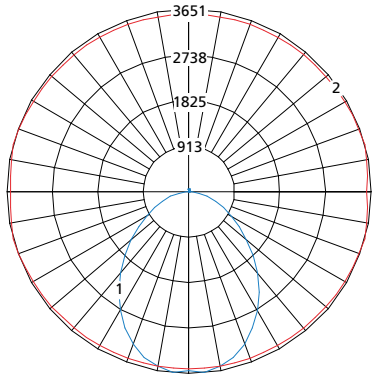
SDSA SERIES – TECHNICAL DATA

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 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.)

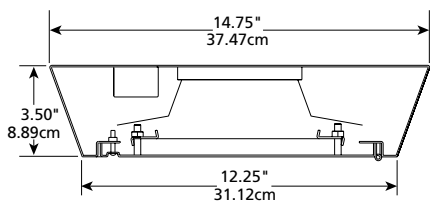
LUMEN OUTPUT SCALING FACTORS

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
1/9	1/4" Clear PC		0.99
1/B	3/8" Clear PC		0.99
2/J	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.

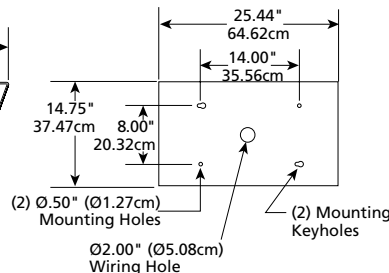
DIMENSIONAL DATA

CROSS SECTION

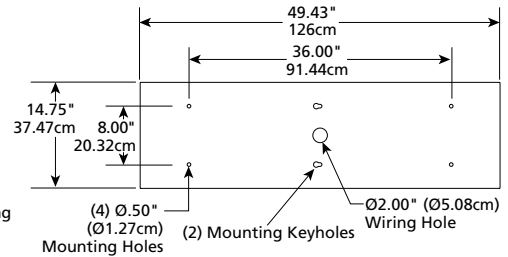


MOUNTING HOLES

SDSA-2



SDSA-4



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