

MIGHTY MAC™

SDA 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).

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).

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); 330µA max. source current.

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 Gear Tray (RGT) with quick disconnect.

PHOTOMETRICS: Efficiency of SDA4-0/0-232-IS-1-120-1/B-1 = 56.3%. 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 optional Wet Location rating.



ORDERING INFORMATION (Ex: SDA-2-1/1-45L35K-DCC-DV-SYM/B-1-DLN)

Model	Size	Housing/Base	Lamp Qty	Lamp Type	Ballast/Driver	Ballast Qty	Voltage	Lens (Inner/Outer)	Fasteners	Options
SDA		/						/		
Nominal Size		Lamp Quantity (n/a with LED)			Ballast Quantity (n/a with LED)			Fasteners		
2	12"×24"	1	One	1	One	1	One	1	Torx® Head w/ Center Pin	
4	12"×48"	2	Two	2	Two	2	Two	2	Allen Head w/ Center Pin	
		3	Three (F17T8, F32T8, F54T5HO and F28T5 only)							
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)	45L35K 45 Watt 3500K LED (82 CRI)			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)	45L40K 45 Watt 4000K LED (82 CRI)			347 347 Volts			EL• Standard Lumen EL Pack		
3	14-Ga SS (Painted White)	45L50K 45 Watt 5000K LED (82 CRI)			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)	67L35K 67 Watt 3500K LED (82 CRI)			Lens (Inner/Outer)‡			IHF Full Length Internal Hinge		
6	14-Ga SS (Brushed)	67L40K 67 Watt 4000K LED (82 CRI)			0 No Lens			IH Internal Hinge		
7	16-Ga SS (Brushed)	67L50K 67 Watt 5000K LED (82 CRI)			1 .125" Prismatic Acrylic			FS Single Fuse & Holder		
9	12-Ga CRS (Painted White)	28 F28T5			2 .125" Prismatic Polycarbonate			KO 1/2" EMT Knockout		
		32 F32T8			3 .125" Textured Polycarbonate			RGT Removable Gear Tray		
		54 F54T5HO			G† .125" Clear Polycarbonate			SK Speaker Housing Extension		
		Ballast/Driver Type			TG .125" Textured Tempered Glass			WL Wet Location Listed		
		IS Instant Start Electronic <10% THD (T8)			6 .187" Prismatic Polycarbonate					
		RS Rapid Start Electronic <10% THD (CFL, T8, T5, T5HO)			7† .187" Clear Polycarbonate					
		SB Specified Ballast			8† .187" Clear Tempered Glass					
		DCC Dimming Constant Current			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					

- n/a w/ F54T5HO or LED lamps
- * n/a as Door Material
- † Must be paired with prismatic, diffused or textured lens when ordering LED lamps
- ‡ Refer to lens specifications
- ▲ Can only be used with clear or no outer lens



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MIGHTY MAC™

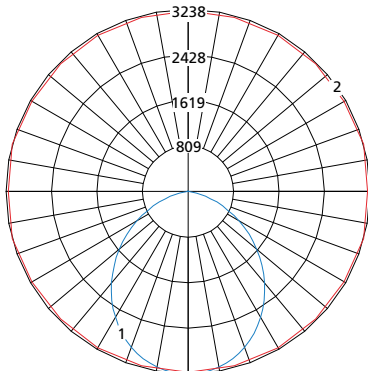
SDA SERIES

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	45L35K	4,122	89	46	100	80,000
	45L40K	4,263	92	46	100	80,000
	45L50K	4,437	96	46	100	80,000
4	45L35K	4,522	98	46	100	80,000
	45L40K	4,676	102	46	100	80,000
	45L50K	4,868	106	46	100	80,000
	67L35K	7,220	97	74	75	80,000
	67L40K	7,466	100	74	75	80,000
	67L50K	7,772	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: SDA-4-x-y-67L40K-DCC-z-SYM-B-1



Maximum Candela = 3238 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.)

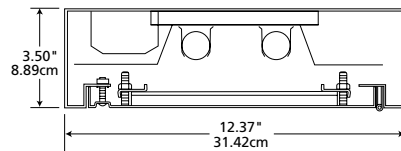
LUMEN OUTPUT SCALING FACTORS

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	1.04
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

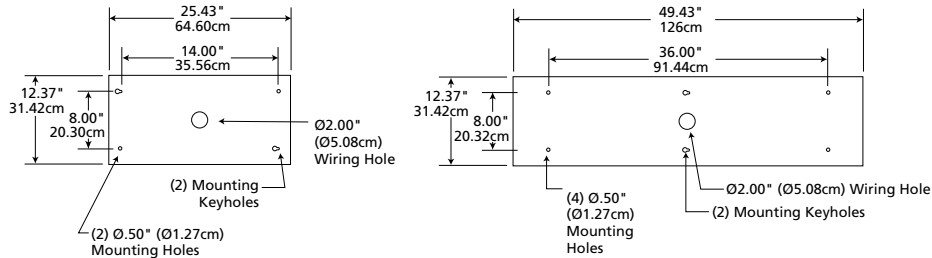
NOTE: Use this table to determine the lumen output and efficacy of the desired lens configuration by multiplying the provided value with the appropriate number in the "Performance" table above.

DIMENSIONAL DATA

CROSS SECTION



MOUNTING HOLES



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