

MIGHTY MAC™

SCA SERIES

PRODUCT FEATURES:

- » Surface ceiling mount – 12"×24", 12"×48"
- » TIG welded housing with no post grinding for additional strength
- » Vertically adjustable Z bracket with thru-studs spaced 6" apart
- » Full length concealed internal piano hinge



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). Clamshell housing resistant to penetration and contraband concealment.

BASEPLATE: Prime grade material as specified – see Ordering Information. Die-formed blade trap (1/4" minimum) prevents contraband concealment and access. Embossed standoffs prevent distortion.

LENS: As specified – maximum total thickness .875" – 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).

HINGE: Full length continuous heavy gauge internal piano hinge (1/2" knuckle/1/8" diameter pin) standard. Pin secured to knuckle. Hinge welded to housing and mounts to baseplate via keyholes.

FASTENERS: Hardened security screws as specified – see Ordering Information. Fully recessed.

LUMINOUS SEAL: Polyurethane foam prevents light leaks from luminaire base.

FINISH: TGIC polyester powder coat – 5-stage pre-treatment. Salt spray test: 1,000 hours; Reflectance: 92%.

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; 0.4mA maximum source current.

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

INSTALLATION: Fixture not suitable for Surface Conduit or Continuous Row Mounting.

WARRANTY: Limited five (5) year warranty on LED lamps.

LISTINGS: Luminaire is certified to UL1598 and UL8750 standards by Intertek Testing Services for Damp Locations. Build America, Buy America Act compliant.



ORDERING INFORMATION (Ex: SCA-4-0/0-45L40K-DCC-120-SYM/B-2-NLA)

Model	Size	Housing/Door	Lamp Code	Driver Type	Input Voltage	Lens (Inner/Outer)	Fasteners	Options
SCA		/		DCC		/		
Nominal Size		Lamp Code		Input Voltage		Fastener		
2	12"×24"	2' Nominal Length		DV	120-277VAC, 50/60Hz	1	Torx® T-20 Head w/ Center Pin	
4	12"×48"	25L30K	25 Watt 3000K LED (82 CRI)	347	347VAC, 60Hz	2	Allen Head w/ Center Pin	
		25L35K	25 Watt 3500K LED (82 CRI)			Options		
		25L40K	25 Watt 4000K LED (82 CRI)			LEL Integral 10W Emergency Battery Backup (4' only, n/a 347V, 0°C min ambient)		
		25L50K	25 Watt 5000K LED (82 CRI)			LELST Integral 6W Self-Testing Emergency Battery Backup (4' only, n/a 347V, 0°C min ambient)		
Housing/Base Material		4' Nominal Length		Lens (Inner/Outer)‡		NLW* 2700K White LED Night Light		
0	14-Ga CRS (Painted White)	45L30K	45 Watt 3000K LED (82 CRI)	0	No Lens	NLA* Amber LED Night Light		
1	16-Ga CRS (Painted White)	45L35K	45 Watt 3500K LED (82 CRI)	1	.125" Prismatic Acrylic	FS Single Fuse & Holder		
3	14-Ga SS (Painted White)	45L40K	45 Watt 4000K LED (82 CRI)	2	.125" Prismatic Polycarbonate	RGT Removable Gear Tray		
4	16-Ga SS (Painted White)	45L50K	45 Watt 5000K LED (82 CRI)	3	.125" Textured Polycarbonate	SK Speaker Housing Extension		
6*	14-Ga SS (Brushed)			G†	.125" Clear Polycarbonate	*n/a as Base Material		
7*	16-Ga SS (Brushed)			T	.156" Prismatic Polycarbonate	‡Refer to lens specifications		
9	12-Ga CRS (Painted White)			4	.250" Textured Tempered Glass	†Must be paired with prismatic, textured or diffused lens		
		Driver Type		6	.187" Prismatic Polycarbonate	▲Can only be used with clear outer lens		
		DCC Dimming Constant Current Driver		7†	.187" Clear Polycarbonate	▼n/a with 347 input		
				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			
				N†	.750" Clear Tempered Glass			



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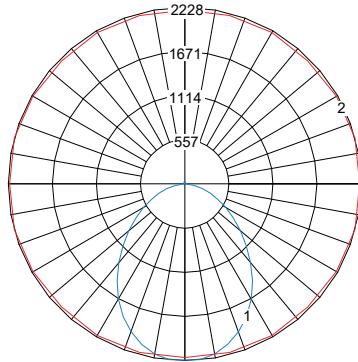
PERFORMANCE

Model	Lamp Type	Initial Delivered Lumens		Input Power (W)	Drive Current (mA)	Estd. L70 LED Life (Hrs)
		@ 25°C	Efficacy (lm/W)			
SCA-2	25L30K	2,292	81	28	117	>72,000
	25L35K	2,362	83	28	117	>72,000
	25L40K	2,443	89	28	117	>72,000
	25L50K	2,541	92	28	117	>72,000
SCA-4	45L30K	4,338	94	46	100	>72,000
	45L35K	4,473	97	46	100	>72,000
	45L40K	4,625	100	46	100	>72,000
	45L50K	4,815	104	46	100	>72,000

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.

LUMEN OUTPUT SCALING FACTORS

Model: SCA-4-x-y-45L40K-DCC-z-SYM-B-1



Maximum Candela = 2228 Located At Horizontal Angle = 15, Vertical Angle = 5

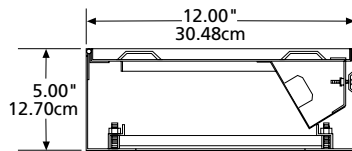
- 1 - Vertical Plane Through Horizontal Angles (15-195) (Through Max. Cd.)
- 2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

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

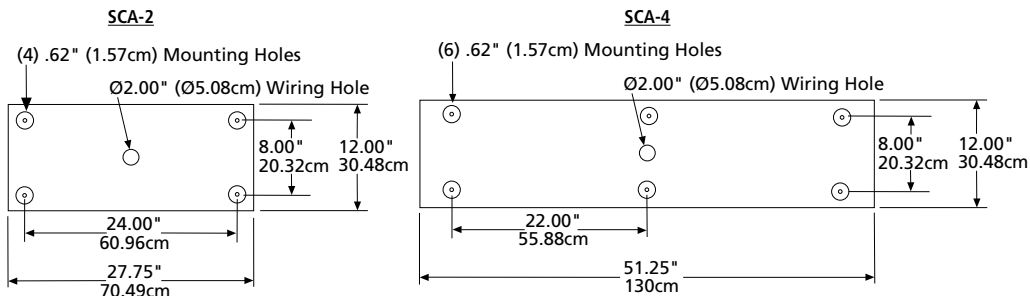
NOTE: Use this table to determine the lumen output and efficacy of the desired lens configuration by multiplying the provided value with the appropriate number in the "Performance" table above.

DIMENSIONAL DATA

CROSS SECTION



MOUNTING HOLES



www.kenall.com | P: 800-4-Kenall | F: 262-891-9700 | 10200 55th Street Kenosha, Wisconsin 53144, USA
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