

# MIGHTY MAC™

## Luminaires for Security Detention Applications

### SDSA SERIES using Indigo-Clean Technology

#### PRODUCT FEATURES:

- » Provides on-demand environmental disinfection via LED light
- » Single, white disinfection mode
- » Independent laboratory tested to kill harmful bacteria, including Staph\*, such as MRSA\*\*
- » Surface ceiling mount
- » TIG-welded housing without post-weld grinding for additional strength
- » Continuous 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 overall thickness 0.375" – see Ordering Information. High efficiency diffused DR acrylic inner lens.

**LENS RETENTION:** Vertically adjustable continuous "Z" brackets of prime grade material, secured to housing via thru-studs (6" maximum spacing).

**ELECTRICAL:** Serviceable mid-power white and 405nm Indigo LED array. Available 3200K, 3700K and 4300K color temperatures with 3-step MacAdam variation allowance. Minimum 82 CRI standard. 120-277VAC and 347VAC electrical input with serviceable high power factor electronic, constant-current drivers (<10% THD, >0.90 PF). Minimum 85% driver efficiency. Standard 0-10V dimming with 1-100% range and dim-to-dark capabilities. 800µA maximum source current. Single, white disinfection mode.

**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%.

**PHOTOMETRICS:** Photometry tested to the IESNA LM-79-08 standard by an ILAC/ISO17025 accredited laboratory. For photometric information, go to [www.kenall.com](http://www.kenall.com).

**PATENT:** US Patent No. 7,431,473.

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

**LISTINGS:** Luminaire is certified to UL 1598 and UL 8750 standards by Intertek Testing Services for Damp Locations. See Options for Wet Location rating. EPA Est. No. 99283-WI-1.

\* Per independent lab report #5GS-09S17036476. Contact Kenall for a copy of this report.

\*\*Antimicrobial Activity of a Continuous Visible Light Disinfection System by Rutala, et. al. ID Week 2016.



#### ORDERING INFORMATION (Ex: SDSA-4-2/1-82C37K-DCC-DV-SYM/9-1-FS)

Model	Size	Hsg./Door Material	Lamp Type	Driver Type	Voltage	Lens (Inner/Outer)	Fasteners	Options
<b>SDSA</b>	<b>4</b>	<b>/</b>		<b>DCC</b>		<b>SYM /</b>		
<b>Nominal Size</b>			<b>Lamp Type</b>			<b>Lens (Inner/Outer)</b>		
<b>4</b>	12" x 48" (30.48cm x 122cm)		<b>55C32K</b>	55 Watt 3200K White & Indigo LED		<b>G</b>	.125" Clear Polycarbonate	
			<b>55C37K</b>	55 Watt 3700K White & Indigo LED		<b>7</b>	.187" Clear Polycarbonate	
			<b>55C43K</b>	55 Watt 4300K White & Indigo LED		<b>8</b>	.187" Clear Tempered Glass	
			<b>82C32K</b>	82 Watt 3200K White & Indigo LED		<b>9</b>	.250" Clear Polycarbonate	
			<b>82C37K</b>	82 Watt 3700K White & Indigo LED		<b>A</b>	.250" Clear Tempered Glass	
			<b>82C43K</b>	82 Watt 4300K White & Indigo LED		<b>SYM</b>	Symmetric, Diffused DR Acrylic	
<b>Housing/Door Material</b>			<b>Driver Type</b>			<b>Fasteners</b>		
<b>0</b>	14-Ga CRS (Painted White)		<b>DCC</b>	Dimming Constant Current LED Driver		<b>1</b>	Torx® Head w/ Center Pin	
<b>1</b>	16-Ga CRS (Painted White)					<b>2</b>	Allen Head w/ Center Pin	
<b>2*</b>	18-Ga CRS (Painted White)							
<b>3</b>	14-Ga SS (Painted White)							
<b>4</b>	16-Ga SS (Painted White)							
<b>6</b>	14-Ga SS (Brushed)							
<b>7</b>	16-Ga SS (Brushed)							
<b>9</b>	12-Ga CRS (Painted White)							
			<b>Voltage</b>			<b>Options</b>		
			<b>DV</b>	120-277 Volts		<b>LEL</b>	Integral 8.4W Emergency Battery Backup (55C max; n/a 347V, 0°C min ambient)	
			<b>120</b>	120 Volts		<b>LELST</b>	Integral 6W Self-Testing Emergency Battery Backup (55C max; n/a 347V, 0°C min ambient)	
			<b>277</b>	277 Volts		<b>DLN</b>	LED Night Light w/Light Level Control (100% - 20%; Voltage specific selection required; n/a 347V)	
			<b>347</b>	347 Volt		<b>FS</b>	Single Fuse & Holder	
						<b>IH</b>	Internal Hinge	
						<b>IHF</b>	Full Length Internal Hinge	
						<b>KO</b>	1/2" (1.27cm) EMT Knockout	
						<b>WL</b>	Wet Location Listed	

\* n/a as Door Material



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Luminaires for Security Detention Applications

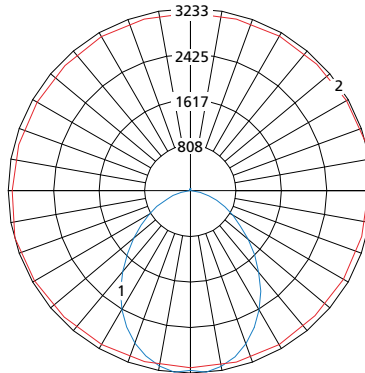
## SDSA SERIES using Indigo-Clean Technology

### PERFORMANCE

Lamp Type	Initial Delivered Lumens (lm)		Input Power (W)	Estd. L70 LED Life (Hrs)
	@ 25°C	Efficacy (lm/W)		
55C32K	4,233	67	63	80,000
55C37K	4,342	69	63	80,000
55C43K	4,387	70	63	80,000
82C32K	6,392	68	94	80,000
82C37K	6,558	70	94	80,000
82C43K	6,624	70	94	80,000

Information subject to change without notice. Visit [www.kenall.com](http://www.kenall.com) for IES files and additional information.

Model: SDSA-4-2/1-82C37K-DCC-DV-SYM/9-1

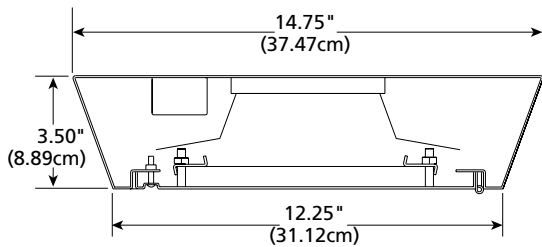


Maximum Candela = 3233 Located At Horizontal Angle = 15, Vertical Angle = 5

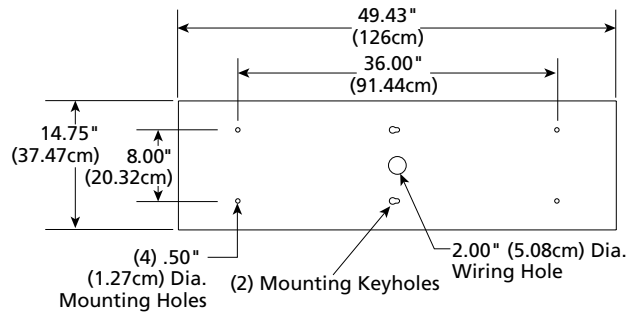
- 1 - Vertical Plane Through Horizontal Angles (15-195) (Through Max. Cd.)
- 2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

### DIMENSIONAL DATA

#### CROSS SECTION



#### MOUNTING HOLES



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