

# MIGHTY MAC™

## Luminaires for Security Detention Applications

### SSA SERIES using Indigo-Clean Technology

#### PRODUCT FEATURES:

- » Provides environmental disinfection and effective, efficient lighting performance via visible LED light
- » Dual-Mode Indigo-Clean Technology is independently tested to kill 94% of SARS CoV-2 and Influenza-A\*\*\*, in addition to MRSA
- » Single-Mode Indigo-Clean Technology is independently tested to kill harmful bacteria, such as Staph\*, including MRSA\*\*
- » Surface ceiling mount
- » TIG-welded housing without post-weld grinding for additional strength
- » Completely concealed internal drop slot piano hinge



#### 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). Clamshell housing resistant to penetration and contraband concealment. 2" completely concealed internal drop slot piano hinge (1/2" knuckle/1/8" diameter pin) standard. Pin secured to housing and mounts to either side of baseplate via keyholes. See Options for Full Length Internal Hinge (IHF). TGIC polyester powder coat finish – 5-stage pre-treatment. Salt spray test: 1,000 hours; Reflectance: 92%.

**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 overall thickness 0.375" – see Ordering Information. High-efficiency diffused DR acrylic inner lens. Lens retention by vertically adjustable continuous "Z" brackets of prime grade material, secured to housing via thru-studs (6" maximum spacing). Polyurethane foam prevents light leads from luminaire base.

**ELECTRICAL: (Single- and Dual-Mode ICT)** 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. 330µA maximum source current. **Single-Mode ICT** provides a single, white disinfection operational mode. **Dual-Mode ICT** provides two operational modes based on room occupancy. White Disinfection Mode is a white LED array for ambient lighting plus a simultaneous low-power 405nm LED array for low-level, continuous and safe environmental disinfection. Indigo Disinfection Mode is a higher-level 405nm array for continuous safe environmental disinfection during periods of room vacancy. The operational mode is determined via internal low-voltage device based upon the input signal provided by an external control device/system, such as the [IC150](#) product. Luminaire dimming is overridden in this operational state. Refer to the [Kenall Dual-Mode ICT Control Application Guide](#) for further description.

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

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

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

**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 Ordering Information for Wet Location applications. EPA Est. No. 99283-WI-1.

\* Per independent lab report #5GS-09517026476. Contact Kenall for a copy of this report.

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

\*\*\* Refer to [www.indigo-clean.com](#) for details



#### ORDERING INFORMATION (Ex: SSA-4-2/1-34I/82C-37K8-DCC-DV-SYM/9-2-WL)

Model	Size	Hsg./Door Material	Lamp Power	Lamp Color	Driver Type	Voltage	Lens (Inner/Outer)	Fasteners	Options
<b>SSA</b>	<b>4</b>	<b>/</b>			<b>DCC</b>		<b>SYM /</b>		
<b>Nominal Size</b>			<b>Lamp Power</b>			<b>Fasteners</b>			
<b>4</b>	12" x 48"		<b>55C</b>	55W Single-Mode ICT		<b>1</b>	Torx® Head w/ Center Pin		
			<b>82C</b>	82W Single-Mode ICT		<b>2</b>	Allen Head w/ Center Pin		
<b>Housing/Door Material</b>			<b>Lamp Color</b>			<b>Options</b>			
<b>0</b>	14-Ga CRS (Painted White)		<b>23I/55C</b>	55W Dual-Mode ICT		<b>LEL†</b>	Integral 8.4W Emergency Battery Backup (55W max; 0°C min ambient)		
<b>1</b>	16-Ga CRS (Painted White)		<b>34I/82C</b>	82W Dual-Mode ICT		<b>LELST†</b>	Integral 6W Self-Testing Emergency Battery Backup (55W max; 0°C min ambient)		
<b>3</b>	14-Ga SS (Painted White)		<b>Lamp Color</b>			<b>NLW†</b>	2700K White LED Night Light		
<b>4</b>	16-Ga SS (Painted White)		<b>32K8</b>	3200K / 82 CRI min.		<b>NLA†</b>	Amber LED Night Light		
<b>6*</b>	14-Ga SS (Brushed)		<b>Driver Type</b>			<b>FS</b>	Single Fuse & Holder		
<b>7*</b>	16-Ga SS (Brushed)		<b>37K8</b>	3700K / 82 CRI min.		<b>IHF</b>	Full Length Internal Hinge		
<b>9</b>	12-Ga CRS (Painted White)		<b>43K8</b>	4300K / 82 CRI min.		<b>RGT</b>	Removable Gear Tray		
			<b>Driver Type</b>			<b>SK</b>	Speaker Housing Extension		
			<b>DCC</b>	Dimming Constant Current LED Driver		<b>WL</b>	Wet Location Listed		
			<b>Voltage</b>			* n/a as Door Material			
			<b>DV</b>	120-277VAC, 50/60Hz		‡ Refer to lens specifications			
			<b>347</b>	347VAC, 60Hz		† n/a with 347V			
			<b>Lens (Inner/Outer)‡</b>			<b>ACCESSORIES ORDERED SEPARATELY</b>			
			<b>G</b>	.125" Clear Polycarbonate		<b>IC150</b> External Room Control System for Dual-Mode ICT Products			
			<b>7</b>	.187" Clear Polycarbonate		(click <a href="#">here</a> for Specifications)			
			<b>8</b>	.187" Clear Tempered Glass					
			<b>9</b>	.250" Clear Polycarbonate					
			<b>A</b>	.250" Clear Tempered Glass					
			<b>SYM</b>	Symmetric, Diffused DR Acrylic					



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Luminaires for Security Detention Applications

## SSA SERIES using Indigo-Clean Technology

### PERFORMANCE

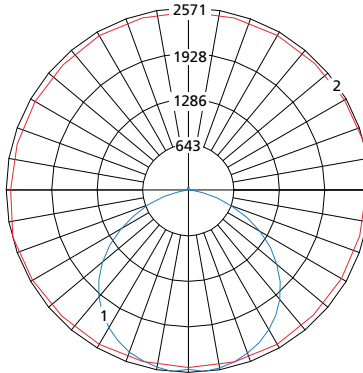
Technology	Size	Lamp Code	Lumen Output by Color (lm) <sup>1</sup>			Efficacy (lm/W)	Power Consumption <sup>2</sup>			Estd L70 LED Life (Hrs)
			32K8	37K8	43K8		Occupied (W)	LPD (W)	Unoccupied (W)	
Single-Mode ICT	4	55C	4,561	4,679	4,727	75 - 78	61	51	n/a	80,000
		82C	6,887	7,066	7,138	74 - 77	93	77		
Dual-Mode ICT	4	23/55C	4,561	4,679	4,727	75 - 78	61	51	29	80,000
		34/82C	6,887	7,066	7,138	74 - 77	93	77	44	

<sup>1</sup> Lumen output is with the SYM/9 lens type. Information subject to change without notice. Visit [www.kenall.com](http://www.kenall.com) for IES files and additional information.

<sup>2</sup> Lighting Power and Energy Calculations:

- Use **Occupied Power** for total electrical load calculations. Use this value to estimate branch circuit lighting loads.
- Use **LPD Power** for lighting power density calculations. Only the power attributed to white light is required per NEMA LSD EB 84-202X. Power used toward germicidal disinfection has been removed for this calculation.
- Use **Unoccupied** and **Occupied Power** for Energy calculations to determine the power consumed over time based on the use of the space.

Model: SSA-4-1/1-82C-37K8-DCC-DV-SYM/9-1 and  
SSA-4-1/1-34/82C-37K8-DCC-DV-SYM/9-1

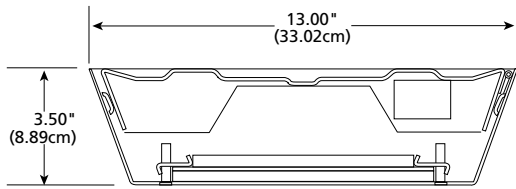


Maximum Candela = 2571 Located At Horizontal Angle = 15, Vertical Angle = 5

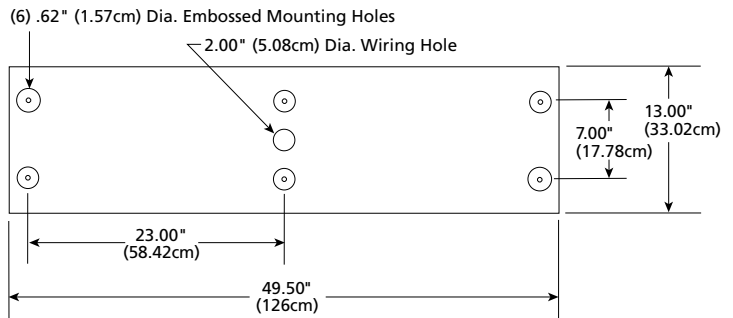
- 1 - Vertical Plane Through Horizontal Angles (15-195) (Through Max. Cd.)
- 2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

### DIMENSIONAL DATA

#### CROSS SECTION



#### MOUNTING HOLES



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