

# MIGHTY MAC™

## CC 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 corner mount with hinged clamshell construction to prevent contraband concealment
- » TIG-welded housing without post-weld grinding for additional strength



### 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' 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. See Options for Full Length Internal Hinge (IHF). TGIC polyester powder coat – 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 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 leaks from luminaire base.

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

**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 (non-dim-to-dark on Dual-Mode ICT). 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.

**INSTALLATION:** Corner mount, surface; 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 additional photometric data, please go to [www.kenall.com](http://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 #SG5-09517036476. 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](http://www.indigo-clean.com) for details.



### ORDERING INFORMATION (Ex: CC-4-3/1-231/55C-37K8-DCC-120-SYM/9-NLW)

Model	Size	Housing/Base	Lamp Power	Lamp Color	Driver Type	Voltage	Lens (Inner/Outer)	Fasteners	Options
<b>CC</b>	<b>4</b>	<b>/</b>			<b>DCC</b>		<b>SYM /</b>		
<b>Nominal Size</b>		<b>Lamp Power</b>		<b>Voltage</b>		<b>Fastener</b>			
<b>4</b>	9" x 48"	<b>55C</b>	55W Single-Mode ICT	<b>DV</b>	120-277VAC, 50/60Hz	<b>1</b>	Torx® T-20 Head w/ Center Pin		
		<b>82C</b>	82W Single-Mode ICT	<b>347</b>	347VAC, 60Hz	<b>2</b>	Allen Head w/ Center Pin		
<b>Housing/Base Material</b>		<b>110C</b>	110W Single-Mode ICT	<b>Lens (Inner/Outer)‡</b>		<b>Options</b>			
<b>0</b>	14-Ga CRS (Painted White)	<b>231/55C</b>	55W Dual-Mode ICT	<b>G</b>	.125" Clear Polycarbonate	<b>LEL†</b>	Integral 8.4W Emergency Battery Backup (55W max; 0°C min ambient)		
<b>1</b>	16-Ga CRS (Painted White)	<b>341/82C</b>	82W Dual-Mode ICT	<b>7</b>	.187" Clear Polycarbonate	<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>461/110C</b>	110W Dual-Mode ICT	<b>8</b>	.187" Clear Tempered Glass	<b>NLW†</b>	2700K White LED Night Light		
<b>4</b>	16-Ga SS (Painted White)	<b>Lamp Color</b>		<b>9</b>	.250" Clear Polycarbonate	<b>NLAT</b>	Amber LED Night Light		
<b>6*</b>	14-Ga SS (Brushed)	<b>32K8</b>	3200K / 82 CRI min.	<b>A</b>	.250" Clear Tempered Glass	<b>FS</b>	Single Fuse & Holder		
<b>7*</b>	16-Ga SS (Brushed)	<b>37K8</b>	3700K / 82 CRI min.	<b>SYM</b>	Symmetric, Diffused DR Acrylic	<b>IHF</b>	Full Length Internal Hinge		
<b>9</b>	12-Ga CRS (Painted White)	<b>43K8</b>	4300K / 82 CRI min.	<b>Driver Type</b>		<b>RGT</b>	Removable Gear Tray		
		<b>DCC</b>		Dimming Constant Current		<b>SK</b>	Speaker Housing Extension		
						<b>WL</b>	Wet Location Listed		

\* n/a as Base Material  
 ‡ Refer to lens specifications  
 † n/a with 347V input

**ACCESSORIES ORDERED SEPARATELY**  
**IC150** External Room Control System for Dual-Mode ICT Products  
 (click [here](#) for Specifications)



www.kenall.com | P: 800-4-Kenall | F: 262-891-9701 | 10200 55th Street Kenosha, Wisconsin 53144, USA

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## CC SERIES using Indigo-Clean Technology

### PERFORMANCE

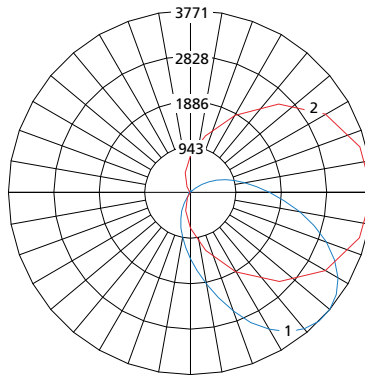
Technology	Length	Lamp Code	Lumen Output by Color (lm) <sup>1</sup>			Efficacy (lm/W)	Power Consumption <sup>2</sup>			Estd L70 LED Life (Hrs)
			32K8	37K8	43K8		Occupied (W)	LPD (W)	Unoccupied (W)	
Single-Mode ICT	4'	55C	4,034	4,139	4,181	66 - 69	61	51	n/a	80,000
		82C	6,092	6,250	6,314	66 - 68	93	77		
		110C	7,507	7,702	7,781	62 - 64	122	101		
Dual-Mode ICT	4'	23/55C	4,034	4,139	4,181	66 - 69	61	51	29	80,000
		34/82C	6,092	6,250	6,314	66 - 68	93	77	44	
		46/110C	7,507	7,702	7,781	62 - 64	122	101	58	

<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.

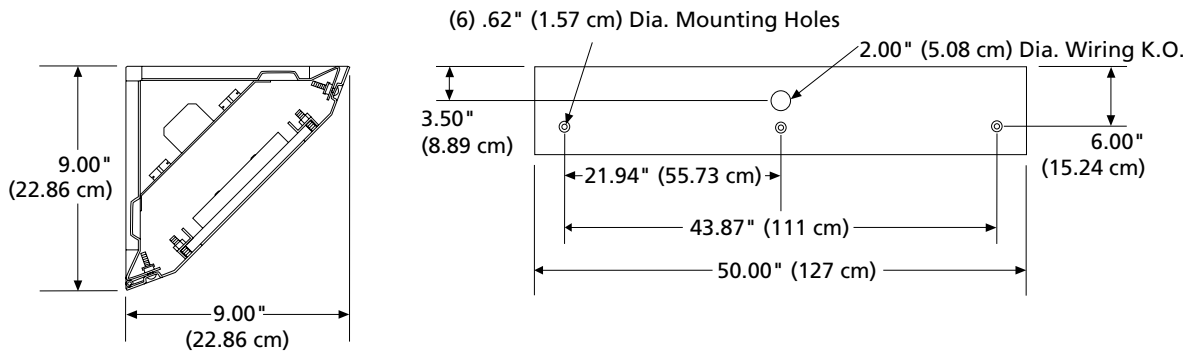
Model: CC-4-1/1-110C-37K8-DCC-DV-SYM/9-1 and  
CC-4-1/1-46I/110C-37K8-DCC-DV-SYM/9-1



Maximum Candela = 3771 Located At Horizontal Angle = 0, Vertical Angle = 50

- 1 - Vertical Plane Through Horizontal Angles (0-180) (Through Max. Cd.)
- 2 - Horizontal Cone Through Vertical Angle (50) (Through Max. Cd.)

### DIMENSIONAL DATA



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