

MIGHTY MAC™

CD 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 door construction
- » 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). Staked and welded external piano hinge (1/2" knuckle/ 1/8" diameter pin) standard. See options for Full Length Internal Hinge (IHF). TIGC polyester powder coat – 5-stage pre-treatment. Salt spray test: 1,000 hours; Reflectance: 92%.

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.

DOOR: One-piece die-formed prime grade material as specified – see Ordering Information.

FASTENERS: Hardened stainless steel 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.

PHOTOMETRICS: Photometry tested to the IESNA LM-79-08 standard by an ILAC/ISO17025 accredited laboratory. For additional 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-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 for details.



ORDERING INFORMATION (Ex: CD-4-2/1-34I/82C-37K8-DCC-277-SYM/9-FS)

Model	Size	Housing/Door	Lamp Power	Lamp Color	Driver Type	Voltage	Lens (Inner/Outer)	Fasteners	Options
CD	4	/			DCC		SYM /		
Nominal Size		Lamp Power		Voltage		Fastener			
4	8" x 48"	55C	55W Single-Mode ICT	DV	120-277VAC, 50/60Hz	1	Torx® T-20 Head w/ Center Pin		
		82C	82W Single-Mode ICT	347	347VAC, 60Hz	2	Allen Head w/ Center Pin		
Housing/Door Material				Lens (Inner/Outer)‡		Options			
0	14-Ga CRS (Painted White)	110C	110W Single-Mode ICT	G	.125" Clear Polycarbonate	LEL†	Integral 8.4W Emergency Battery Backup (55W max; 0°C min ambient)		
1	16-Ga CRS (Painted White)	23I/55C	55W Dual-Mode ICT	7	.187" Clear Polycarbonate	LELST†	Integral 6W Self-Testing Emergency Battery Backup (55W max; 0°C min ambient)		
2*	18-Ga CRS (Painted White)	34I/82C	82W Dual-Mode ICT	8	.187" Clear Tempered Glass	NLW†	2700K White LED Night Light		
3	14-Ga SS (Painted White)	46I/110C	110W Dual-Mode ICT	9	.250" Clear Polycarbonate	NLA†	Amber LED Night Light		
4	16-Ga SS (Painted White)	Lamp Power		A	.250" Clear Tempered Glass	FS	Single Fuse & Holder		
6	14-Ga SS (Brushed)	32K8	3200K / 82 CRI min.	SYM	Symmetric, Diffused DR Acrylic	IHF	Full Length Internal Hinge		
7	16-Ga SS (Brushed)	37K8	3700K / 82 CRI min.			KO	1/2" EMT Knockout		
		43K8	4300K / 82 CRI min.			RGT	Removable Gear Tray		
		Driver Type				SK	Speaker Housing Extension		
		DCC Dimming Constant Current				WL	Wet Location Listed		

* n/a as Door 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: 262-891-9700 | 10200 55th Street Kenosha, Wisconsin 53144, USA
 Not intended for medical use. This product is able to comply with the latest domestic preference legislation, such as the Buy American Act (BAA), Trade Agreement Act (TAA), Build America, Buy America Act (BABA), and others. It may be covered by patents found at www.kenall.com/patents. Content of specification sheets is subject to change; please consult www.kenall.com for current product details. ©2025 Kenall Mfg. Co.

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PERFORMANCE

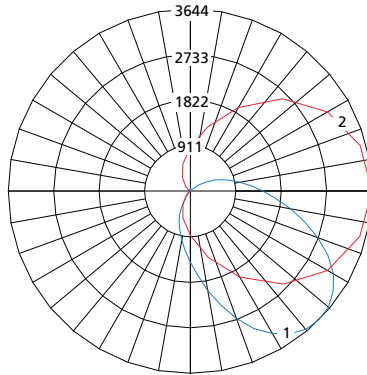
Technology	Length	Lamp Code	Lumen Output by Color (lm) ¹			Efficacy (lm/W)	Power Consumption ²			Estd L70 LED Life (Hrs)
			32K8	37K8	43K8		Occupied (W)	LPD (W)	Unoccupied (W)	
Single-Mode ICT	4'	55C	3,890	3,991	4,032	64 - 66	61	51	n/a	80,000
		82C	5,875	6,027	6,088	63 - 65	93	77		
		110C	7,239	7,427	7,503	59 - 62	122	101		
Dual-Mode ICT	4'	23/55C	3,890	3,991	4,032	64 - 66	61	51	29	80,000
		34/82C	5,875	6,027	6,088	63 - 65	93	77	44	
		46/110C	7,239	7,427	7,503	59 - 62	122	101	58	

¹ Lumen output is with the SYM/9 lens type. Information subject to change without notice. Visit www.kenall.com for IES files and additional information.

² 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.

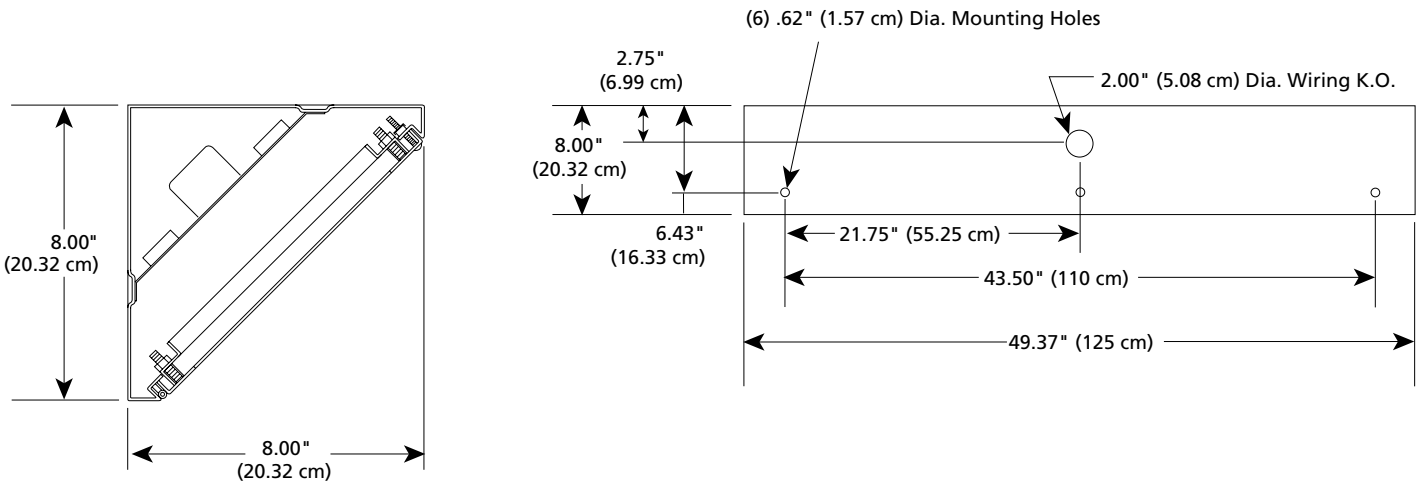
Model: CD-4-2/1-110C-37K8-DCC-DV-SYM/9-1 and
CD-4-2/1-46/110C-37K8-DCC-DV-SYM/9-1



Maximum Candela = 3644 Located At Horizontal Angle = 0, Vertical Angle = 45

- 1 - Vertical Plane Through Horizontal Angles (0-180) (Through Max. Cd.)
- 2 - Horizontal Cone Through Vertical Angle (45) (Through Max. Cd.)

DIMENSIONAL DATA



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