

MIGHTY MAC™

RMCD 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**
- » Recessed convertible ceiling mount
- » TIG-welded housing without post-weld grinding for additional strength
- » Full-length concealed internal piano hinge



PROJECT INFORMATION

Job Name _____

Fixture Type _____

Catalog Number _____

Approved by _____

SPECIFICATIONS

HOUSING: Die-formed prime grade material as specified – see Ordering Information. TIG and spot welded construction.

LENS: As specified – maximum overall thickness .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).

DOOR: One-piece die-formed prime grade material as specified – see Ordering Information. Corners continuously seam welded and smooth with no post grinding (TIG).

HINGE: Full length completely concealed internal piano hinge (1/2" knuckle/1/8" diameter pin) standard. Pin secured to knuckle. Hinge welded to door.

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

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

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 0-100% dimming with 1-100% range and dim-to-dark capabilities. 800µA maximum source current. Single, white disinfection mode.

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

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

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

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. Non IC rated. EPA Est. No. 99283-WI-1

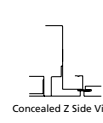
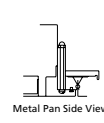
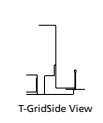
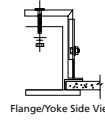
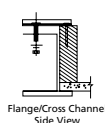
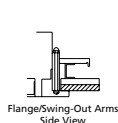
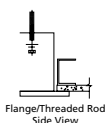
* Per independent lab report #5GS-09517036476. Contact Kenall for a copy of this report.

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



ORDERING INFORMATION (Ex: RMCD-2-TG-2/1-55C43K-DCC-DV-SYM/9-1-LEL)

Model	Size	Ceiling Type	Door/Housing	Lamp Type	Driver Type	Voltage	Lens (Inner/Outer)	Fasteners	Options
RMCD			/		DCC		SYM /		
	Nominal Size			Lamp Type			Lens (Inner/Outer)†		
	2 24" x 24"			2' Nominal Length			G .125" Clear Polycarbonate		
	4 24" x 48"			55C32K 55 Watt 3200K White & Indigo LED			7 .187" Clear Polycarbonate		
				55C37K 55 Watt 3700K White & Indigo LED			8 .187" Clear Tempered Glass		
				55C43K 55 Watt 4300K White & Indigo LED			9 .250" Clear Polycarbonate		
				82C32K 82 Watt 3200K White & Indigo LED			A .250" Clear Tempered Glass		
				82C37K 82 Watt 3700K White & Indigo LED			SYM Symmetric, Diffused DR Acrylic		
				82C43K 82 Watt 4300K White & Indigo LED					
	Ceiling Type			4' Nominal Length			Fastener		
	FL/TR Flange/Threaded Rod			55C32K 55 Watt 3200K White & Indigo LED			1 Torx® Head w/ Center Pin		
	FL/CC Flange/Cross Channel			55C37K 55 Watt 3700K White & Indigo LED			2 Allen Head w/ Center Pin		
	FL/Y Flange/Yoke			55C43K 55 Watt 4300K White & Indigo LED					
	FL/SA Flange/Swing-Out Arms			82C32K 82 Watt 3200K White & Indigo LED			Options		
	TG T-Grid			82C37K 82 Watt 3700K White & Indigo LED			LEL Integral 10W Emergency Battery Backup (4' only, 55C max; n/a 347V, 0°C min ambient)		
	MP Metal Pan			82C43K 82 Watt 4300K White & Indigo LED			LELST Integral 6W Self-Testing Emergency Battery Backup (4' only, 55C max; n/a 347V, 0°C min ambient)		
	CZ Concealed Z-Spline			110C32K 110 Watt 3200K White & Indigo LED			DLN LED Night Light w/Light Level Control (100% - 20%; Voltage specific selection required; n/a 347V)		
	Door/Housing Material			110C37K 110 Watt 3700K White & Indigo LED			FS Single Fuse & Holder		
	0 14-Ga CRS (Painted White)			110C43K 110 Watt 4300K White & Indigo LED			SC Specified Ceiling		
	1 16-Ga CRS (Painted White)						WL Wet Location Listed		
	2 18-Ga CRS (Painted White)								
	3 14-Ga SS (Painted White)								
	4 16-Ga SS (Painted White)								
	B 18-Ga SS (Painted White)								
	6* 14-Ga SS (Brushed)								
	7* 16-Ga SS (Brushed)								
	A* 18-Ga SS (Brushed)								
				Driver Type					
				DCC Dimming Constant Current					
				Voltage					
				DV 120-277 Volts					
				120 120 Volts					
				277 277 Volts					
				347 347 Volts					



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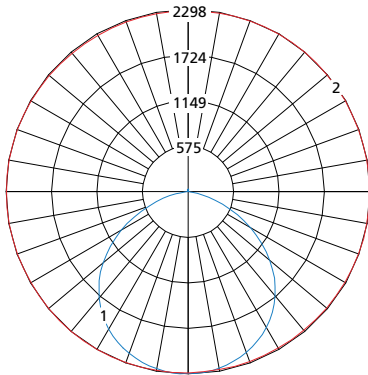
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PERFORMANCE

Length	Lamp Type	Initial Delivered Lumens (lm)		Input Power (W)	Estd. L70 LED Life (Hrs)
		@ 25°C	Efficacy (lm/W)		
2'	55C32K	4,110	65	63	80,000
	55C37K	4,216	67	63	80,000
	55C43K	4,259	68	63	80,000
	82C32K	6,206	66	94	80,000
	82C37K	6,367	68	94	80,000
	82C43K	6,432	68	94	80,000
4'	55C32K	4,768	76	63	80,000
	55C37K	4,891	78	63	80,000
	55C43K	4,941	78	63	80,000
	82C32K	7,200	77	94	80,000
	82C37K	7,386	79	94	80,000
	82C43K	7,461	79	94	80,000
	110C32K	8,872	73	122	80,000
	110C37K	9,102	75	122	80,000
110C43K	9,195	75	122	80,000	

Information subject to change without notice. Visit www.kenall.com for IES files and additional information.

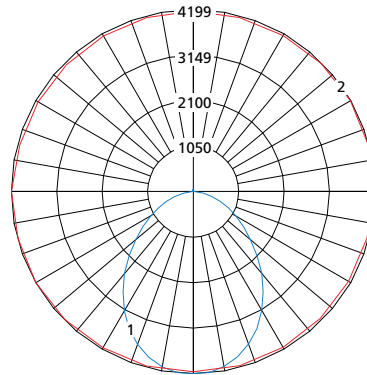
Model: RMCD-2-xx-2/2-82C37K-DCC-DV-SYM/9-1



Maximum Candela = 2298 Located At Horizontal Angle = 230, Vertical Angle = 2.5

- 1 - Vertical Plane Through Horizontal Angles (230-50) (Through Max. Cd.)
- 2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

Model: RMCD-4-xx-2/2-110C37K-DCC-DV-SYM/9-1



Maximum Candela = 4199 Located At Horizontal Angle = 210, Vertical Angle = 5

- 1 - Vertical Plane Through Horizontal Angles (210-30) (Through Max. Cd.)
- 2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)



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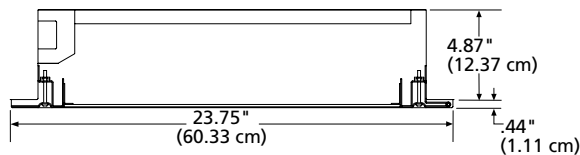
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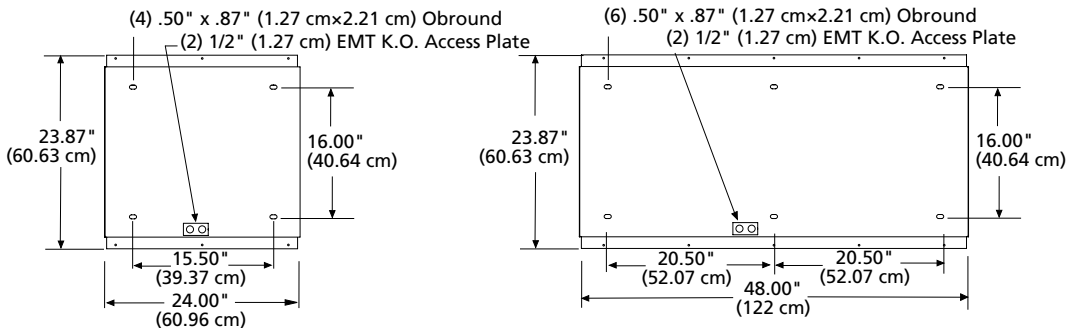
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DIMENSIONAL DATA

CROSS SECTION



MOUNTING HOLES



RECOMMENDED CEILING CUTOUT: 24.25" x 22.44" (61.60 cm x 56.99 cm)

RECOMMENDED CEILING CUTOUT: 48.25" x 22.44" (122 cm x 56.99 cm)

