

INDIGO-CLEAN™ MSDIC SERIES

PATENTED CONTINUOUS ENVIRONMENTAL DISINFECTION SYSTEM DUAL-MODE WHITE AND INDIGO DISINFECTION

PRODUCT FEATURES:

- » Low-profile, 13" diameter surface ceiling-mounted luminaire
- » White Disinfection mode providing 2,432 lumens of white light
- » Indigo Disinfection Mode providing concentrated disinfection for high-contamination areas
- » Integral motion sensor for control of occupancy-based operational mode
- » Simple installation over recessed junction boxes or existing recessed cans



PROJECT INFORMATION

Job Name _____
 Fixture Type _____
 Catalog Number _____
 Approved by _____

SPECIFICATIONS:

HOUSING: Marine-grade die-cast aluminum and white injection-molded polycarbonate construction. White TGIC polyester powder coat finish with 5-stage pre-treatment on baseplate.

OPTICAL: High-efficiency mixing chamber design for White Disinfection Mode. Diffused polycarbonate outer lens. Internal collimating optics on 405nm LEDs to provide concentrated high-irradiance light during Indigo Disinfection Mode.

LIGHT ENGINE: LED array with individually-controlled 405nm Indigo and white disinfection LED circuits. Second-generation LED providing single-source white disinfection spectrum. Available 3500K and 4000K color temperature on black-body locus. 80CRI minimum. 120-277VAC, 50/60Hz electrical input with serviceable constant-current driver (>0.90 PF, <10% THD). Minimum 85% driver efficiency. Flicker-free 0-10V dimming during White Disinfection Mode with 0.1-100% range and dim-to-dark capabilities (maximum 100µA source current). Meets IEEE PAR 1789-2015 and CEC Title 24 JA10 dimming requirements.

CONTROL: Embedded microwave occupancy sensor with factory programmed 15-minute time-out. White Disinfection Mode during periods of occupancy and Indigo Disinfection Mode for periods of vacancy. Microwave sensing operates at 5.8 GHz (continuous-wave radar) and provides 360° coverage at various mounting heights and coverage areas. Sensitivity adjustment is via optional TL50-RC1 remote controller, sold separately.

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

PATENT: Indigo-Clean products and technology covered by U.S. Patent No. US 9,039,966 and US 8,398,264. Product may also be covered by patents found at www.kenall.com/patents. Other patents pending.

WARRANTY: Limited five (5) year LED warranty.

LISTINGS: Luminaire is certified to UL standards by Intertek Testing Laboratory for Damp Locations. Optional Wet Location and IP64 rating per IEC60598.



ORDERING INFORMATION (Ex: MSDIC13-MW-30I/30C-40K8-DIM01-DV-RMP)

Model	Finish	Lamp Power	Lamp Color	Driver Type	Input Voltage	Options	Accessories
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MSDIC13

Model

MSDIC13 MedMaster 13" Surface
Dual-Mode Indigo-Clean

Finish

MW Matte White

Lamp Power

30I/30C 30W Indigo-Disinfection / 30W White Disinfection

Lamp Color

35K8 3500K / 80 CRI Disinfection White
40K8 4000K / 80 CRI Disinfection White

Driver Type

DIM01 0-10V Dimming to 0.1%

Input Voltage

DV 120-277 VAC, 50/60Hz

Options

FS Single Fuse & Holder
RMP* Retrofit Mounting Plate ([See Tech Sheet](#))
IP64 Wet Location and IP64 Ingress-Protection

Accessories

9500 Torx® Screwdriver

* Retrofit Mounting Plate provides a cost and time efficient means of installing the above fixtures over existing recessed can lights.

ACCESSORIES ORDERED SEPARATELY

TL50-RC1 Hand-held Controller for Advanced Control Programming
([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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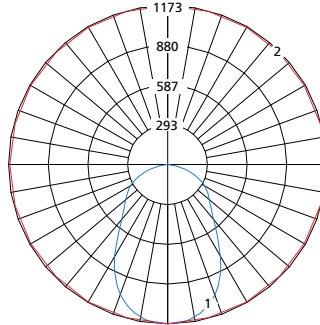
DUAL-MODE DISINFECTION LUMINAIRE

PERFORMANCE

Mode	Lamp Code	Delivered Lumens (lm)	Input Power (W)	Color Rendering Index, Ra	TM-30 Color Quality*		Est. L70 LED Life (Hrs)
					Rf	Rg	
White Disinfection	30I/30C-35K8	2,334	37	82	82	92	100,000
	30I/30C-40K8	2,432		82	82	92	
Indigo Disinfection	All	-	35	-	-	-	50,000

Information subject to change without notice. TM-30 Color Vector Graphic available upon request. Visit www.kenall.com for .ies files and additional information.

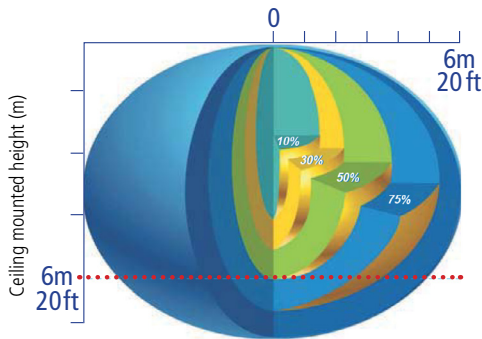
Model: MSDIC13-MW-30I/30C-35K8-DIM01-DV



Maximum Candela = 1173 Located At Horizontal Angle = 90, Vertical Angle = 2.5

- 1 - Vertical Plane Through Horizontal Angles (90-270) (Through Max. Cd.)
- 2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

COVERAGE PATTERN



Ceiling mounted detection pattern

NOTE: Occupancy pattern dimensions are maximums, may vary due to environment

Factory Default

Time Out	Detection
15 min	100%

BASIC OPERATION

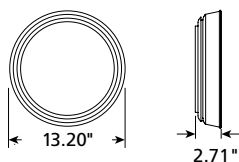


Red LED flashes upon settings change.

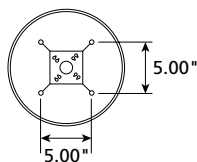


DIMENSIONAL DATA

FRONT & SIDE VIEW



BACK VIEW



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