MD1-OCRX

LED - Patient Room Recessed Ambient Luminaire

LEVITON | Certolux

Project:	Catalogue #:	Type:
Notes:		

Product Description

The MD1-OCRX is a single function patient room recessed luminaire that provides a comfortable ambient source from an evenly illuminated convex drop lens. You can specify improved color rendering options and a range of color temperatures as well as tunable white. Optionally, the illumination level can be adjusted from an integrated low voltage controller providing patient-level switching or dimming.

Features

- 2x2 Standard Size for Grid Ceilings
- One-piece Convex Lens
- Standard Dimming (0-10v)
- Ambient Illumination

Featured Options

- Low Voltage Controllers with Dimming

Housing

Die-formed, cold rolled heavy-gauge steel housing assembly. No unused holes to reduce dust entrance. Painted after fabrication. Designed for 9/16" and 15/16" Grid Ceilings. Integral Earthquake clips. Wiring access cover plate and knockouts are provided on back of housing.

Lens & Lens Retention

Standard lens; Opal, high impact cylindrical drop formed acrylic. Smooth external surface for easy cleaning. Retained and locked by corner brackets.

LED

LED board modules are high efficiency and closely regulated to maintain CRI, color consistency, lumen performance, and efficacy. Separately specify CCT, CRI and Lumen choices for ambient and exam modes. Choose from 3000K, 3500K, 4000K, and 5000K color temperatures with a color consistency of 3 SDCM, standard 80 CRI, optional 90 CRI. Lifetime L70 is greater than 60,000 hrs. Modules are field replaceable and commercially available. Tunable White and Bios SkyBlue® options are also available. Tunable White CCT range is 2700-6500K.

Electrical

The standard electronic driver is constant current, programmable and dimmable to 1% using a 0-10V protocol. High efficiency (>85%) and low THD (<10%). Certified to FCC Part 15, Class A. 120-277Vac or 347Vac, 50/60hz. Optional low voltage controller provides interface to pillow speakers and bed controls. See "Options" for Lutron™ or DALI driver choices. Internal Emergency Drivers are optionally available.

Finish

5 stage pretreatment and antimicrobial matte white powder coating after fabrication is standard. NSF Gloss white antimicrobial powder coating is optional.

Installation

Recessed type IC for Grid type ceilings. Compatible with 9/16" (NFG), 15/16" & 1" standard grid. Use under a covered structural ceiling as a damp or dry location. See Accessories for hard ceiling install kit.

Listings, Certifications and Ratings

ETL listed for recessed type IC damp locations, under a covered ceiling.

Warranty

5 year limited warranty. For complete warranty, click here:

5YR Warranty

Approvals
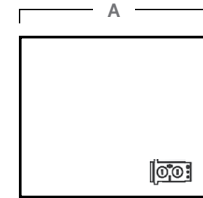
- ETL Listed Damp Locations UL1598
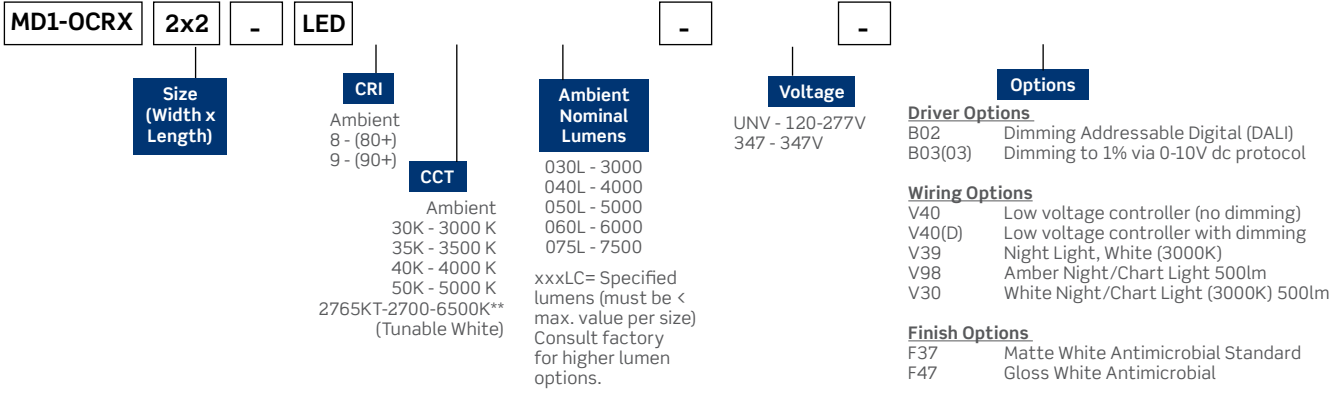

Dimensions

Top View

End View

Dimensions (inch) & Weights			
	A	B	C	D
2x2	23.75"	23.75"	4.5"	5.5"

Consult installation guide for exact dimensions.

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Order Key

EXAMPLE: MD1OCRX2x2-LED830K040LUNV

| MD1-OCRX | 2x2 | - | LED | | - | | - | |

Size (Width x Length)

CRI
Ambient
8 - (80+)
9 - (90+)

CCT
Ambient
30K - 3000 K
35K - 3500 K
40K - 4000 K
50K - 5000 K
2765KT-2700-6500K**
(Tunable White)

Ambient Nominal Lumens
030L - 3000
040L - 4000
050L - 5000
060L - 6000
075L - 7500

xxxLC= Specified lumens (must be < max. value per size) Consult factory for higher lumen options.

Voltage
UNV - 120-277V
347 - 347V

Options

Driver Options
B02   Dimming Addressable Digital (DALI)
B03(03)   Dimming to 1% via 0-10V dc protocol

Wiring Options
V40   Low voltage controller (no dimming)
V40(D)   Low voltage controller with dimming
V39   Night Light, White (3000K)
V98   Amber Night/Chart Light 500lm
V30   White Night/Chart Light (3000K) 500lm

Finish Options
F37   Matte White Antimicrobial Standard
F47   Gloss White Antimicrobial

Accessories
xxx   Install frame for hard ceilings

** When Selecting 2765KT, if a tunable white-compatible control is not selected the luminaire will come standards with two sets of 0-10V wires for dimming and color tuning. For compatible control options please consult factory.

Performance Data				
Size	Ambient Order Code	Ambient Lumens	Total Watts	Efficacy
	030L	3100	22.2	139.4
	040L	4003	28.9	138.4
2x2	050L	5092	37.2	137.0
	060L	6070	44.8	135.5
	075L	7578	55.3	137.0

Lumen values are based on 4000K, 80 CRI performance. See lumen multipliers below for other CCT or CRI performance data.