

Project:	Catalogue #:	Type:
Notes:		

Product Description

A recessed patient room fixture that provides exam and ambient illumination levels from a cylindrical convex diffuse lens. The one-piece lens is easily wiped and remains clean inside due to the hole-free housing. Simple to install and wire using separate conduit entry points for line power and low voltage controls. An optional low voltage controller is available with dimming or non-dimming functions.

Features

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

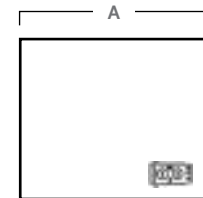
5 year limited warranty. For complete warranty, click here:

**Approvals**

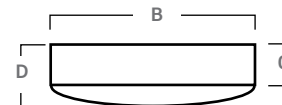
- ETL Listed Damp Locations UL1598

**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.

Project:	Catalogue #:	Type:
Notes:		

Order Key

EXAMPLE: MD2OCRX2x2-LED830K040LUNV

MD2-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 xxxLC= Specified lumens (must be < max. value per size) Consult factory for higher lumen options.	CRI 8 - (80+) 9 - (90+)	CCT 30K - 3000 K 35K - 3500 K 40K - 4000 K 50K - 5000 K xxxLC= Specified lumens (must be < max. value per size) Consult factory for higher lumen options.
						Exam Nominal Lumens 040L - 4000 050L - 5000 060L - 6000 075L - 7500	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 (see dimensions below) V39 Night Light, White (3000K) V98 Amber Night /Chart Light 500lm Finish Options (Matte White Antimicrobial Standard) F47 Gloss White Antimicrobial Accessories xxx Install frame for hard ceilings

LED Performance Data						
Function	Ambient Order Code	Exam Order Code	Ambient Lumens	Exam Lumens	Total Watts	Efficacy
2x2	030L	040L	3100	4005	50.8	139.9
	030L	050L	3100	5003	58.2	139.2
	030L	060L	3100	6070	66.4	138.1
	030L	075L	3100	7543	77.9	136.6
	040L	040L	4003	4005	57.5	139.3
	040L	050L	4003	5003	64.9	138.8
	040L	060L	4003	6070	73.1	137.8
	040L	075L	4003	7543	84.6	136.5
	050L	040L	5092	4005	65.8	138.3
	050L	050L	5092	5003	73.2	137.9
	050L	060L	5092	6070	81.4	137.1
	050L	075L	5092	7543	92.9	136.0

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

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

Below is the dimension for MD2OCRX with a V40 or V40(D)

