

MD1U Patient Room

LED - Recessed Ceiling Luminaire with Inset or Overlapping Door Frame

Project:	Catalogue #:	Type:
Notes:		

Product Description

The MD1U series by Certolux is a recessed IC-rated IP65 luminaire suitable for grid and flanged patient room applications. This luminaire features a frosted high impact acrylic lens and is triple gasketed for a reliable seal.

Features

- Architectural Design
- Available in 2x2 and 2x4
- CRI 80+ and CRI 90+

Featured Options

- Multi Level (Ambient/Reading/Exam)



Housing

Precision formed 20 gauge cold rolled steel housing with no visible, external hardware.

Mounting

Flange installation is supported by swing style mounting brackets. Grid installation suitable for 1" and 1.5" T-Bar ceilings.

Door Frame

One piece door frame, fabricated from 18 gauge, cold rolled steel with TIG welded corners. It is retained by stainless steel aircraft cables. Flat head, stainless steel, captive fasteners with integral silicone o-rings easily secure door frame to housing. Gasket seals door frame to housing.

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 L90 is greater than 60,000 hrs. Modules are field replaceable and commercially available. Tunable White options are also available. Tunable White CCT range is 2700-6500K.

Lens

One piece perimeter door frame with clear sealed lens. Internal frosted single-piece Polycarbonate diffuser offer high levels of efficiency and visual comfort. Indirect reflectors are precision formed and contoured to provide soft, low-glare, indirect illumination, while maintaining high-efficiency and a wide, uniform light distribution.

Finish

Anti-microbial gloss white polyester powder coating for all exterior visible surfaces. 5 stage pretreatment and coated after fabrication. Rated 1000hr salt spray.

Electrical

Long life LED's coupled with high efficiency drivers provide quality illumination. Rated to deliver an L80 performance >50,000 hours. The standard driver has a THD of <10%. Standard low-voltage dimming (0-10v, 1%). All electrical components are CSA or UL approved. A 1/2" EMT hole is provided for wiring connections.

Warranty

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

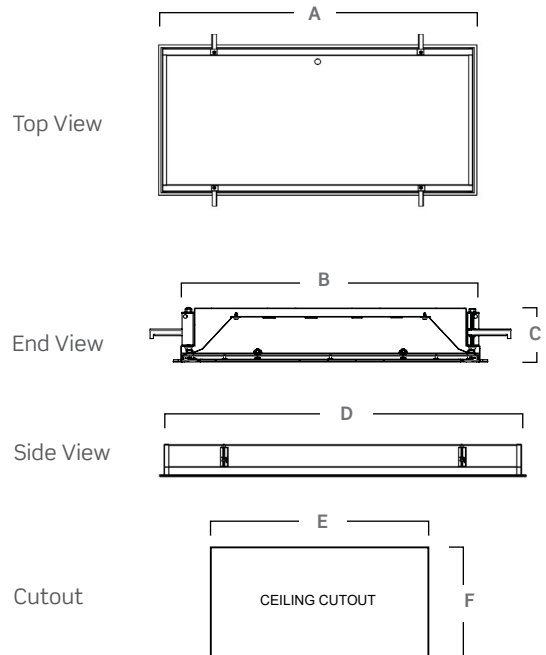


Approvals

- Approved to CSA and UL standards.
- UL listed for insulated ceilings and damp location.



Dimensions



	Dimensions (inch) & Weights					
	A	B	C	D	E	F
2x2	23 3/4"	23 3/4"	4 1/8"	22 1/2"	22 7/8"	22 7/8"
2x4	47 3/4"	23 3/4"	4 1/8"	46 1/2"	46 3/4"	22 7/8"

Consult installation guide for exact dimensions.

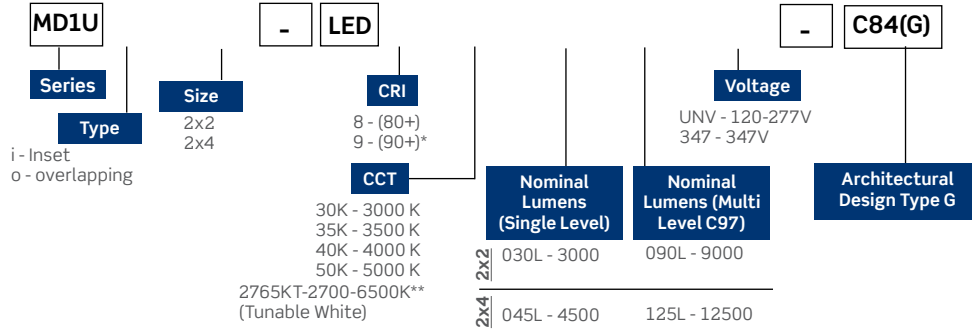
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Order Key

EXAMPLE: MD1UI2X4-LED840K125LUNV-C84(G)C97(3)



Options

Driver Options

- B02 Dimming Addressable Digital (DALI)
- B39 Emergency Lighting Battery Pack - LED

Housing Construction Options

- C97(2) Multi Level (Dual Level)
- C97(3)* Multi Level (Tri-level)

External Lens Options

- (0.125" Clear Acrylic Lens Is Standard - P56)
- P45 0.125" Clear Polycarbonate (External Lens)

Wiring Options

- V40 Low Voltage Controller (No Dimming)
- V40(D) Low Voltage Controller (Dimmable)
- V39 Night / Chart Light, White
- V98 Night /Chart Light, Amber

Interior Lens Options

- C24 Overlay Rectangular Pattern Matte White
- C26 Overlay Perforated Pattern Matte White

Accessories

- M70 Install Frame

Performance Data							
Size	Construction Code	Reading Level		Ambient Level		Exam Level*	
		Nominal Lumens	Watts	Nominal Lumens	Watts	Nominal Lumens	Watts
2x2	-	-	-	3000	27	-	-
2x4	-	-	-	4500	40	-	-
2x2	C97(2)	-	-	3000	27	9000	79
2x4	C97(2)	-	-	4500	40	12500	113
	C97(3)	2000	19	4500	40	12500	113

* Exam level includes reading and ambient outputs.

* 90+ CRI reduces lumen output by 20%, not available with 5000K

** 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.

Only Available in size 2x4

Other options may be available, consult factory. Specifications and data subject to change without notice.



Exam



Ambient



Reading