

# MD2-3461

LED - Recessed or Surface Medical Patient Ambient/Exam Luminaire

Project:	Catalog:	Type:
Notes:		

## Product Description

The MD2x-3461 by Certolux is a sealed specification grade recessed luminaire that provides warm and comfortable ambient illumination from diffuse center aperture. It also provides powerful exam illumination from from each side aperture. You can separately specify CCT and CRI for each source to satisfy the comfort of the patient and the clinical needs of the staff.

## Feature Options

- Fastener Tamper Proof
- Emergency Battery Pack
- Lens & Reflector
- IP65 Rated

## Housing

Precision formed, code gauge cold rolled steel. Wiring access plate or knockouts are provided on back of housing, for flexible conduit attachment. Separated knockouts for line and low voltage connections. A gasketed wire access plate option is also available for easier installation. [See option code C33(G)].

## Doorframe

Extruded anodized aluminum door holds a clear acrylic flat lens that is gasketed to the door and housing to maintain cleanliness. Secured by screws and a hidden cable hinges. See option D10 for a single-piece 16 ga. aluminum doorframe that is IP65 certified.

## Mounting

Surface Mount - Four 0.312" diameter holes provided. Grid Mount - Holes provided for chain mounting support to building structure, and comes with integral earthquake clips. Flange Mount - Yoke mounting bracket (see product ordering key).

## LED

LED board arrays offered in various color temperatures and lumen packages. Optional Green LED arrays available on separate circuit (consult ordering key).

## Lens

The exam compartment is shielded by a frosted linear prismatic acrylic lens. The ambient compartment shield is a rounded low profile extruded frost acrylic lens.

## Finish

The luminaire is a powder painted white matte finish and offers a high reflectivity coating for improved lighting performance and efficiency. Antimicrobial finish is optionally available.

## 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.

## Warranty

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

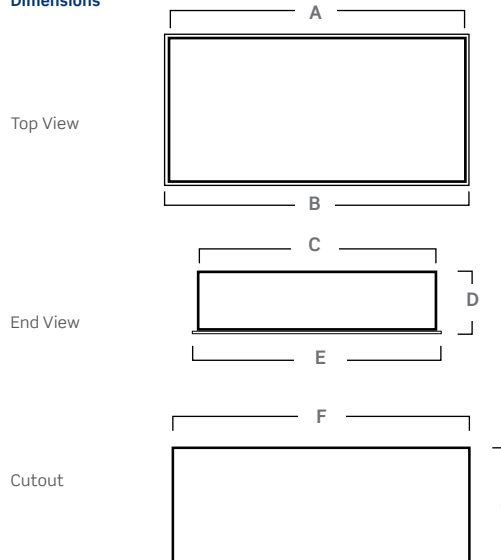


## Approvals

- Approved to CSA and UL standards.
- UL listed for insulated ceilings.
- IP65 Option (see the ordering key)



## Dimensions



	Dimensions (inch) & Weights						
	A	B	C	D	E	F	G
IF - 2x2	23.75"	25.75"	23.75"	5.5"	25.75"	24.375"	24.375"
IF - 2x4	47.75"	49.75"	23.75"	5.5"	25.75"	48.375"	24.375"
IG - 2x2	23.75"	-	23.75"	5.5"	-	-	-
IG - 2x4	47.75"	-	23.75"	5.5"	-	-	-
IS - 2x2	24.00"	-	24.00"	5.5"	-	-	-
IS - 2x4	48.00"	-	24.00"	5.5"	-	-	-

Consult installation guide for exact dimensions.

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Order Key

EXAMPLE: MD2IS-3461-2X4LED840K048L-935K116LUNV

MD2

Series

Mount Type

IF - Inset Door Flange  
IG - Inset Door Grid  
IS - Inset Door Surface

-

3461

Model

-

Size

2x2  
2x4

LED

CRI

8 - (80+)  
9 - (90+)\*

CCT

35K - 3500 K  
40K - 4000 K  
50K - 5000 K

-

CRI

8 - (80+)  
9 - (90+)\*

CCT

35K - 3500 K  
40K - 4000 K  
50K - 5000 K

-

Voltage

UNV - 120-277V  
347 - 347V

-

Options

**Driver Options**

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

**Construction Options**

C03 Fasteners Tamper Proof  
C33(G) Gasketed Wiring Access Plate

**Door Frame Options**

D10 Door Frame 16ga. Aluminum Painted  
D14 Full Length Internal Hinge

**Finish Options**

F06 Gloss White\*  
F09 Matte White (Standard)  
F37 Matte White, Antimicrobial\*  
F47 Gloss White, Antimicrobial\*  
(\*External surfaces only)

**Fusing and Breaker Options**

T6 Fuse-holder, In-line Single Pole

**Lens Options**

Valid with D10 Door Frame  
P08 0.250 Clear Polycarbonate  
P45 0.125 Clear Polycarbonate  
P46 0.187 Clear Polycarbonate  
P56 0.125 Clear Acrylic

**Mounting Options**

M12 Mounting Clips - Earthquake

**Packaging Options**

K0 Pack Bulk/Pallet Packed and/or Wrapped

**Reflector Options**

VF1 Full (95% Reflectance) Specular

**Wiring Options**

V25 Radio Frequency Filter  
V39 Night Light - White LED  
V40 Low Voltage Controller (No Dimming)  
V40(D) Low Voltage Controller (Dimmable)

**Accessories**

X8 IP65 Rating

2x2

024L - 2400  
036L - 3600

2x4

048L - 4800  
072L - 7200

2x2

036L - 3600  
058L - 5800

2x4

072L - 7200  
116L - 11600

Performance Data				
Size	Nominal Lumens (Ambient)	Watts (Ambient)	Nominal Lumens (Exam)	Watts (Exam)
2x2	2400	29	3600	43
	3600	43	5800	71
2x4	4800	57	7200	87
	7200	87	11600	141

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

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