



CATALOG #:
PROJECT:
TYPE:

MEC LED PATIENT ROOM / HEALTH CARE

RECESSED GRID, 3', 4', 4.5', 5'
EXAM AMBIENT READING
NIGHT CHART



The fully enclosed **MEC** offers ambient and/or examination lighting, dimmable to the appropriate lighting levels for either occasions. The small aperture MEC is flush to the ceiling line, allowing quick, easy, as well as effective wipe-down. Separately switched ambient and exam functions provide the ability to accommodate the many necessary activities performed in the patient room. Specify the nightlight as an option for an additional function. Typically used in pairs, and positioned along both sides of the bed, the MEC offers glare and shadow free illumination. Specify the LED reading and/or chart light for an additional function in the patient room.

ELECTRICAL SYSTEM: 0-10V 1% dimming driver included standard, additional options available. Long-life LED system rated for >100K life hours (L70 @ 25°C). Metal gear tray for internal LED driver. Complies with federal energy efficiency standards.

OPTICAL SYSTEM: 0.080" thick frosted acrylic lens.

LISTINGS: ETL Listed. NSF = NSF2 listed (Non-Food, Splash Zone). Wet location optional.

MOUNTING: Recessed grid 8" on center. For recessed flanged applications contact factory.

HOUSING: 20 gauge steel or .063" aluminum housing options available with an,electrostatically applied, white powder coat finish. Anti-microbial matte,white finish optional.

LED: LEDs available in 2700K, 3000K, 4000K and 5000K with CRI > 82. Projected life is >100,000 hours at 70% lumen maintenance. (90 CRI Available).

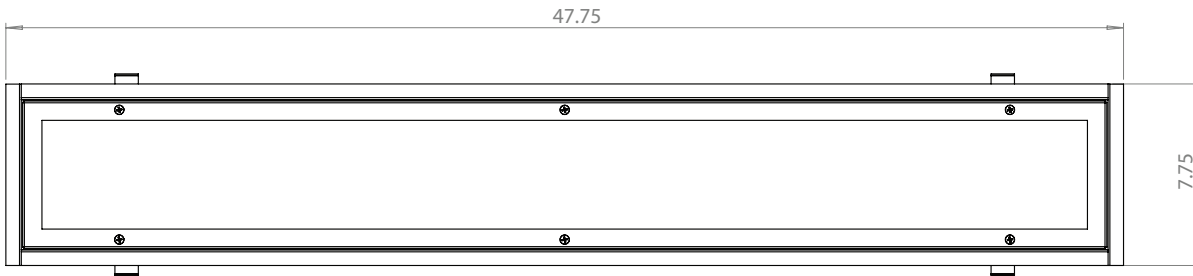
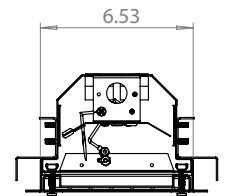
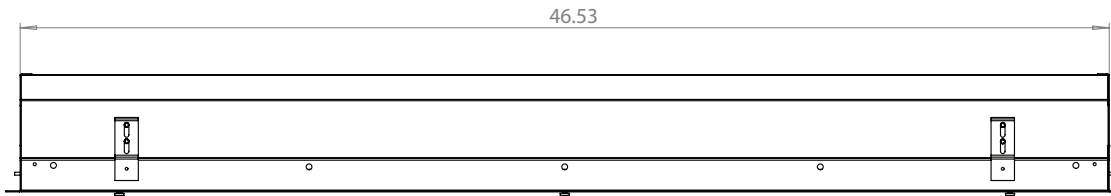
DOORFRAME: Inset 18 gauge cold roll steel or .063" aluminum door frame. White TGIC, polyester powder coat – 5-stage pre-treatment. Salt spray test: 1,000 hours. Reflectance: 92%. Doorframe secured to housing with stainless steel aircraft, cables and captive flush mounted Phillips head stainless steel fasteners. Antimicrobial finish optional on all exposed painted surfaces of installed.

WARRANTY: 5-Year Limited Warranty. Complete warranty and terms located at www.aelnow.com/warranty.

ORDERING INFORMATION. Example: <MEC

SERIES	CCT	AMBIENT ILLUMINATION		EXAM ILLUMINATION		READING/CHART		VOLTAGE	VOLTAGE	
MEC3 36"	27 2700K	SL	STANDARD LOW	SL	STANDARD LOW	N	NONE	M Multi-Volt (120-277V)	BLANK	0-10V 1% DIMMING DRIVER (INCLUDED STANDARD)
MEC4 48"	30 3000K	ML	MEDIUM LOW	ML	MEDIUM LOW	R1	READING LOW		CD5	0-10V 5% TO OFF DIMMING DRIVER
MEC45 54"	35 3500K					R2	READING HIGH		EDN	ELECTRONIC DRIVER NON-DIMMING
MEC5 60"	40 4000K								FLDD	FIFTH LIGHT DALI, DIMMING
MEC6 72"	50 5000K								LDE1	LUTRON HI-LUME 1% ECOSYSTEM LED DRIVER WITH SOFT-ON, FADE-TO-BLACK DIMMING TECHNOLOGY
MEC7 84"									LDE5	LUTRON LDE5 5-SERIES ECOSYSTEM 5% DIMMING
MEC8 96"										

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ENERGY AND PERFORMANCE DATA

INPUT VOLTAGE:	120/277VAC
SYSTEM INPUT POWER:	33 - 57 WATTS*
DELIVERED LUMEN OUTPUT:	4650 - 7974 LUMENS
STANDARD DIMMING CONTROL:	0-10V
CCT:	2700, 3000, 3500, 4000, 5000 KELVIN
CRI:	82 (MINIMUM)
LIFE TIME RATING:	>100,000 HRS @ L70
INPUT FREQUENCY:	50/60 HZ
POWER FACTOR:	>0.9
OPERATING TEMP:	-30° TO 50° C

APPROXIMATE COLOR TEMPERATURE MULTIPLIER

5000K	X	1.03
4000K	X	1
3500K	X	.97
3000K	X	.94
2700K	X	.91

OUTPUT	DELIVERED LUMENS	SYSTEM WATTAGE	L70 @20C (HRS)
SL	4650	33	>100K
ML	7974	57	>100K

*ACTUAL WATTAGE MAY DIFFER BY ±5% WHILE OPERATING 120/277V ±10%