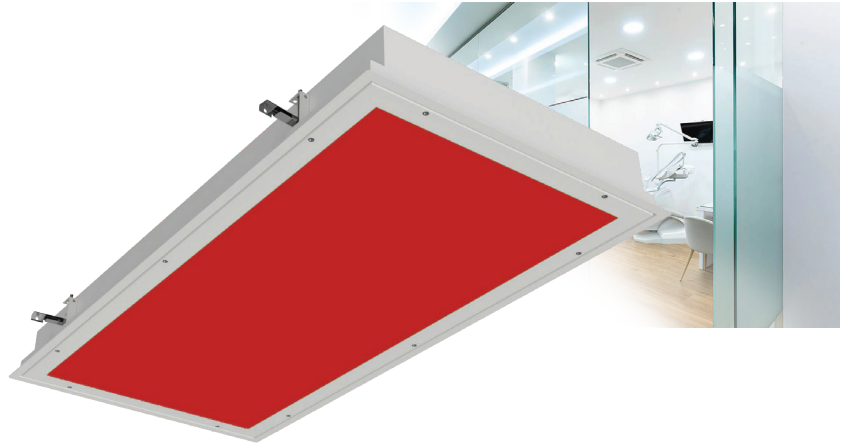


MEBFR

RECESSED FLANGED
SURGICAL SUITE
RED & WHITE LED



The MEBFR is a 630nm red and white LED operating room fixture. High transmission and diffusion lens with choice of symmetric, asymmetric/symmetric, and full asymmetric distribution to accommodate the lighting needs of surgical suites. Available in 1x4, 2x2, and 2x4 sizes. Typically positioned around the perimeter of the operating room. Choice of housing and doorframe materials, antimicrobial paint, and a MIL STD 461G compliant option, the MEBFR is the perfect choice in the operating room surgical suite.

CONSTRUCTION: Constructed of aluminum and all non-ferrous metals.

ELECTRICAL SYSTEM: Electronic driver 0-10V, 1% dimming standard. Long-life LED system, white LEDs rated for >100K hours, green LEDs rated for >85K hours. Complies with federal energy efficiency standards.

OPTICAL SYSTEM: High transmission diffused high impact acrylic lens. Internal reflector with choice of full symmetric, asymmetric/ symmetric, or full asymmetric distribution maintain a uniform appearance while being engineered specifically for surgical suite applications.

HOUSING: Choice of heavy gauge cold roll steel, stainless steel, or aluminum. Seam-welded construction. All doors attached to the housing with two stainless steel aircraft cables. Stainless steel Phillips head screws secure door frame to housing. White TGIC polyester powder coat with a 5-stage pre-treatment. Salt spray test >1,000 hours. Reflectance of 92%. Antimicrobial finish optional.

DOORFRAME: Choice of heavy gauge cold roll steel, stainless steel, or aluminum. White TGIC polyester powder coat with a 5-stage pre-treatment. Salt spray test >1,000 hours. Reflectance of 92%. Doorframe secured to housing with stainless steel aircraft cables and captive flush mounted Phillips head stainless steel fasteners. Antimicrobial finish optional.

DOORFRAME GASKET: One-piece neoprene gaskets seal doorframe to housing.

MOUNTING: Flange applications. Easy installation with adjustable 90° swing arm system standard. Universal mounting allows for both recessed flanged and recessed grid mounting.

LISTINGS: ETL Listed. NSF = NSF2 listed (Non-Food, Splash Zone). IP65 rated. MIL option complies with MIL-STD-461G conducted emissions regulation and includes a radio suppression grid lens. Suitable for FED-STD-209E/Class 1 (ISO 3) cleanrooms.

LED: 80 CRI or 90 CRI LEDs available in 2700K, 3000K, 3500K, 4000K and 5000K. Life is >100,000 hours at 70% lumen maintenance.

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

Ordering Information on Next Page ►

ORDERING INFORMATION

Example: MEBFR-14-40-25R-B18-B18-INS-SY-M

SERIES	SIZE	CCT	ILLUMINATION LEVEL	MOUNTING	HOUSING	DOOR FRAME
MEBFR	14 1x4 22 2x2 24 2x4	27 2700K 30 3000K 35 3500K 40 4000K 50 5000K	25R40W 25W Red/40W White LED 25R50W 25W Red/50W White LED 25R70W 25W Red/70W White LED 25R90W 25W Red/90W White LED 25R135W 25W Red/135W White LED 50R50W 50W Red/50W White LED 50R70W 50W Red/70W White LED 50R90W 50W Red/90W White LED 50R135W 50W Red/135W White LED 25R 25W Red LED 50R 50W Red LED	G Grid F Flange	B20 20 Gauge Cold Roll Steel B18 18 Gauge Cold Roll Steel SH18 18 Gauge Stainless Steel (Polished 304) SH186 18 Gauge Stainless Steel (Polished 316) SHP18 18 Gauge Stainless Steel (Painted 304) SHP186 18 Gauge Stainless Steel (Painted 316) SHB18 18 Gauge Stainless Steel (Brushed 304) SHB186 18 Gauge Stainless Steel (Brushed 316) ALH .063" Aluminum (Painted)	B18 18 Gauge Cold Roll Steel SH18 18 Gauge Stainless Steel (Polished 304) SH186 18 Gauge Stainless Steel (Polished 316) SHP18 18 Gauge Stainless Steel (Painted 304) SHP186 18 Gauge Stainless Steel (Painted 316) SHB184 18 Gauge Stainless Steel (Brushed 304) SHB18 18 Gauge Stainless Steel (Brushed) ALH .063" Aluminum (Painted)

DISTRIBUTION	VOLTAGE	DRIVER	CIRCUITS	OPTIONS
SY Full Symmetric ASSY Asymmetric/Symmetric FAS Full Asymmetric	M Multi-Volt (120-277VAC) HV 347-480VAC	BLANK 0-10V 1% Dimming Driver (included standard) CD5 0-10V 5% to Off Dimming Driver EDN Electronic Driver Non-Dimming DALI 1% Dali Dimming Driver LDE1 Lutron Hi-Lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology	1 1 Circuit 2 2 Circuits	14EBL 14 Watt Emergency Driver MIL1 MILSTD 461G compliant 90 90 CRI CR Continuous run AM Anti-Microbial Paint VDO Lutron Vive Integral Fixture Control (RF with Daylight and Occupancy Sensing) 10KV/KA Surge Protector TPS Tamper-Proof Fasteners 2G 2" High T-Grid Mounting

Other options and configurations are available. Consult factory for details.

Dimensions on Next Page

ENERGY AND PERFORMANCE DATA

INPUT VOLTAGE:	120/277VAC
SYSTEM INPUT POWER:	40-135 WATTS*
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	WATTS	L70 @20C (HRS)
40W WHITE	5772	40	>100K
50W WHITE	7215	50	>100K
70W WHITE	10000	70	>100K
90W WHITE	12850	90	>100K
135W WHITE	19300	135	>100K
25W RED	1020	25	>50K
50W RED	2400	50	>50K

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

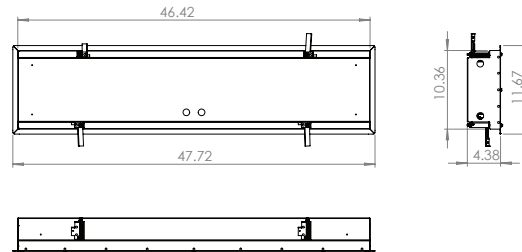


ROUGH IN SIZE LISTED BELOW.
Please pay careful attention to these dimensions.

DIMENSIONS

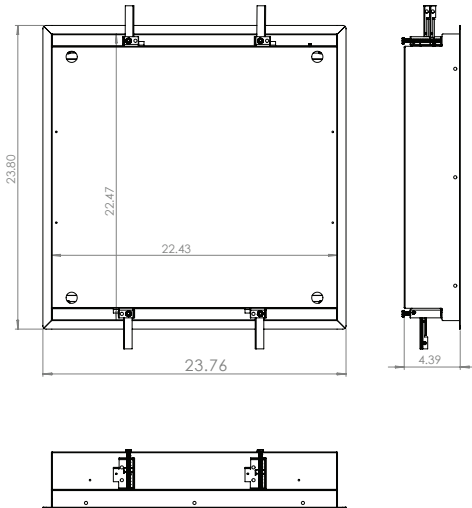
1x4

ROUGH IN SIZE TO BE 46 11/16" X 10 5/8"



2x2

ROUGH IN SIZE TO BE 22 5/8" X 22 5/8"



2x4

ROUGH IN SIZE TO BE 46 5/8" X 22 11/16"

