

MROR

MEDICO
TROFFER FOR
WIDE GRID



The **MROR** series is medical-specific designed Troffer for facilities that have 15/16", 1-1/2" and 2" face T-bar ceilings. This fixture is manufactured here in the USA from heavy gauge cold-rolled steel, with a smooth surface and an attractive look. Available in 1x4, 2x2, and 2x4 body sizes. Multiple lensing options are available (consult factory if additional options are needed). Architects find these fixtures especially functional for medical/surgical uses due to the easy to clean surface and a very uniform and even light distribution. Reducing eye fatigue, and providing visual clarity, was also key in the design of this new fixture. This fixture's multi-use capability inspires its use in any area where energy efficiency is a must, but high-quality is also required.

HOUSING: The housing is constructed of 18 gauge cold rolled steel body with precision welding. Housing embossed for maximum rigidity. Like all Advantage fixtures the housing is designed for maximum stability, longevity, and ease of installation. An aluminum housing is available.

DOOR FRAME: The door frame is manufactured from .063" marine-grade aluminum or cold rolled steel, flat with mitered corners. Fully enclosed spring-loaded cam latches and T-type hinges. Door frame is grounded to the fixture housing. Available as inset or overlap.

FINISH: Great care is taken into the fit and finish of this fixture. Standard finish is an anti-microbial white TGIC polyester powder coat (minimum 93% reflectivity). A proprietary multi-step process within our in-house paint department insures protection against corrosion and is quality-checked at each stage.

OPTICAL SYSTEM: A variety of lensing options are available. Standard is a #12 inverted frosted acrylic lens.

MOUNTING: Designed specifically for NEMA Type "G" for 15/16", 1-1/2", and grid ceiling systems. NEMA Type "F" available. Four (4) earthquake clips are included. Installation is straight-forward and trouble free with this well designed fixture.

ELECTRICAL SYSTEM: 80 CRI or 90 CRI LEDs available in 2700K, 3000K, 3500K, 4000K and 5000K. 0-10V Dimming Driver included standard. 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.

LISTINGS: Independently tested to IESNA LM-79 and LM-80 specifications. ETL and cETL Listed. Damp location rated. IC rated for dry and damp locations. Manufactured in the USA, BAA / BABA compliant.

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

ORDERING INFORMATION ON NEXT PAGE ►



ORDERING INFORMATION

Example: MROR-14-40-12L-WG2-G-PA156-SY-M-TG

SERIES		SIZE	COLOR TEMP		ILLUMINATION CIRCUIT 1				ILLUMINATION CIRCUIT 2				CEILING TYPE	
MROR		14 1'x4' 22 2'x2' 24 2'x4'	30 3000K 35 3500K 40 4000K 50 5000K	WHITE LED ONLY 2x4 2x2 1x4 4L 4000 Lumens 7L 7000 Lumens 9L 9000 Lumens 11L 11000 Lumens 12L 12000 Lumens 13L 13000 Lumens 15L 15000 Lumens 16L 16000 Lumens 18L 18000 Lumens 20L 20000 Lumens 25L 25000 Lumens XX Custom Lumens WHITE AND GREEN 2x4 2x2 1x4 WG1 1400 Lumens Green, 3600 Lumens White WG2 1400 Lumens Green, 6700 Lumens White WG3 3200 Lumens Green, 7700 Lumens White WG4 3200 Lumens Green, 14700 Lumens White				WHITE LED ONLY 2x4 2x2 1x4 4L 4000 Lumens 7L 7000 Lumens 9L 9000 Lumens 11L 11000 Lumens 12L 12000 Lumens 13L 13000 Lumens 15L 15000 Lumens 16L 16000 Lumens 18L 18000 Lumens 20L 20000 Lumens 25L 25000 Lumens XX Custom Lumens WHITE AND GREEN 2x4 2x2 1x4 WG1 1400 Lumens Green, 3600 Lumens White WG2 1400 Lumens Green, 6700 Lumens White WG3 3200 Lumens Green, 7700 Lumens White WG4 3200 Lumens Green, 14700 Lumens White				G NEMA Type "G" F NEMA Type "F"		
HOUSING MATERIAL		DOOR MATERIAL		DOOR TYPE		LEN OPTIONS		DISTRIBUTION						
B18 18 Gauge Cold Rolled Steel ALH .063" Aluminum (Painted)		B18 18 Gauge Cold Rolled Steel ALH .063" Aluminum (Painted)		INS Inset Door OVL Overlap Door		A12F .125 #12 Inverted Frosted Acrylic (Standard) PA125 .125 Prismatic Acrylic PA156 .156 Prismatic Acrylic PA187 .187 Prismatic Acrylic		FAS Full Asymmetric SY Full Symmetric ASSY Asymmetric/Symmetric						
FINISH		VOLTAGE		DRIVER OPTIONS		OPTIONS								
MW Matte White AM Anti-Microbial		M Multi-Volt (120-277VAC) 480 347/480V		BLANK* 0-10V Dimming Driver (included standard) CD1 0-10V 1% to Off Dimming Driver CD5 0-10V 5% to Off Dimming Driver EDN Electronic Driver Non-Dimming DALI 1% Dimming Driver LDE1 Lutron Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology		14EBL 14 Watt Emergency Ballast TG Triple Gasket FB Internal Fast-Blow Fuse SB Internal Slow-Blow Fuse CP Chicago plenum (CCEA) 90 90 CRI								

ENERGY AND PERFORMANCE DATA

INPUT VOLTAGE:	120/277VAC
SYSTEM INPUT POWER:	25.0 - 156.3 WATTS*
DELIVERED LUMEN OUTPUT:	4000 - 25000 LUMENS
STANDARD DIMMING CONTROL:	0-10V
CCT:	3000, 3500, 4000, 5000 KELVIN
CRI:	80 (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

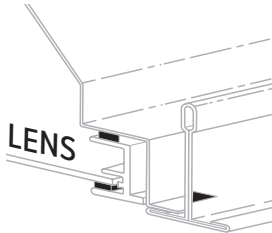
OUTPUT	DELIVERED LUMENS	WATTS	L70 @20C (HRS)
4L	4000 LUMENS	25.0	>100K
7L	7000 LUMENS	43.8	>100K
11L	11000 LUMENS	68.8	>100K
12L	12000 LUMENS	75.0	>100K
13L	13000 LUMENS	81.3	>100K
15L	15000 LUMENS	93.8	>100K
16L	16000 LUMENS	100.0	>100K
18L	18000 LUMENS	112.5	>100K
20L	20000 LUMENS	125.0	>100K
25L	25000 LUMENS	156.3	>100K

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

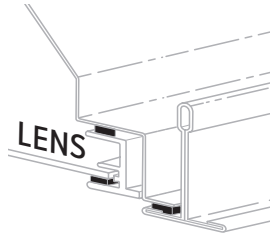


GASKETING DETAILS

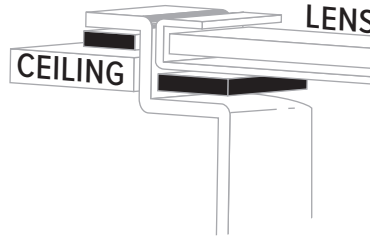
DOUBLE GASKETING (STANDARD)
T-BAR



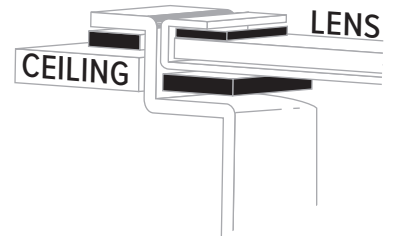
TRIPLE GASKETING (TG)
T-BAR



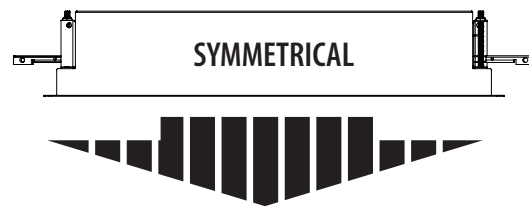
DOUBLE GASKETING (STANDARD)
FLANGE



TRIPLE GASKETING (TG)
FLANGE



LIGHT DISTRIBUTION EXAMPLES



Dimensions on Next Page

ENERGY AND PERFORMANCE DATA

INPUT VOLTAGE:	120/277VAC
SYSTEM INPUT POWER:	25.0 - 156.3 WATTS*
DELIVERED LUMEN OUTPUT:	4000 - 25000 LUMENS
STANDARD DIMMING CONTROL:	0-10V
CCT:	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)
4L	4000 LUMENS	25.0	>100K
7L	7000 LUMENS	43.8	>100K
11L	11000 LUMENS	68.8	>100K
12L	12000 LUMENS	75.0	>100K
13L	13000 LUMENS	81.3	>100K
15L	15000 LUMENS	93.8	>100K
16L	16000 LUMENS	100.0	>100K
20L	20000 LUMENS	125.0	>100K
25L	25000 LUMENS	156.3	>100K

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

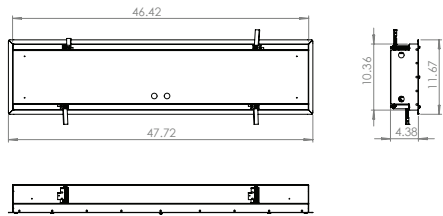


ROUGH IN SIZE LISTED BELOW.
Please pay careful attention to these dimensions.

DIMENSIONS

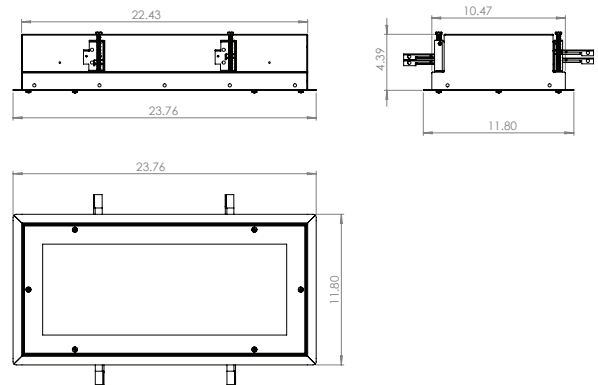
1x4

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



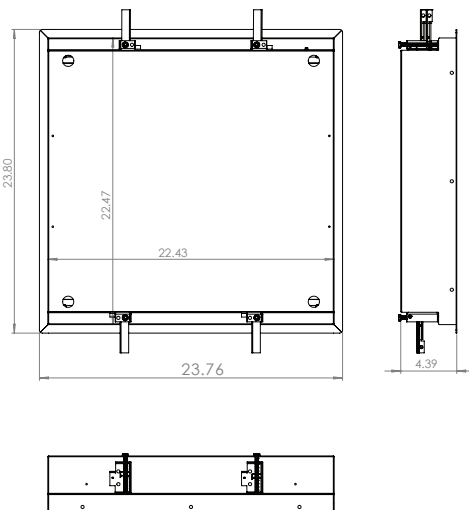
1x2

ROUGH IN SIZE TO BE 22 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"

