

DESCRIPTION

Fail-Safe's asymmetric/symmetric MOR operating room fixture represents the latest technology in precise control of light to the surgical task and to the surrounding area, and allows multi-level lighting without changing the character of the lighting distribution. Quality and value are maintained to provide the best performance and the most cost effective solution for your needs.

Catalog #		Type
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

Mounting

Recessed grid (1" - 1-1/2" T). For flange or hard ceilings, specify the DFCL drywall framing kit as an accessory option.

Housing

Die-formed, 20 ga. cold rolled steel.

Door

Extruded aluminum inset door, powder coat painted gloss white.

Hinge

Continuous, full-length aluminum piano hinge.

Gasket

Closed cell gasket seals door to housing.

Finish

High gloss, electrostatically applied, white powder coat finish, average minimum reflectance 92%.

Lens

Asymmetric/symmetric acrylic lens. RFI 3/8" square metalized grid on lens, grounded to housing. Light is directed away from the hinge-side of fixture.

Ballast

Standard, Class P, CBM/ETL Ballast.

Compliance

MILSTD 461-C available with standard electronic ballasts, 120-277V. Fixture tested with ASY/SYM/RFI grid lens, less RIFs. Results furnished upon request. IP64 rated.

Labels

UL/cUL listed for damp locations.



MOR

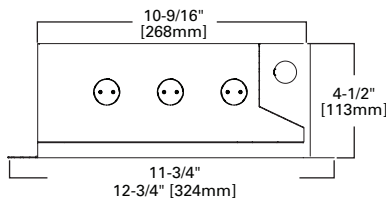
1' x 4'
2' x 2'
2' x 4'

Fluorescent
Operating Room

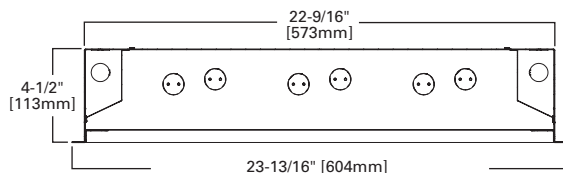
RECESSED



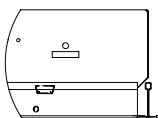
1X4



2X2 / 2X4



TYPICAL MOUNTING DATA



Typical Grid Mounting Detail

TORX® is a registered trademark of Camcar Division of Textron Inc.

ORDERING INFORMATION

SAMPLE NUMBER: **Grid Ceiling**
MOR-G-632-UNV-EB83/3/RIF

Flange or Hard Ceiling
MOR-G-632-UNV-EB83
DFCL-2448W-U (order on separate line item)

Product Family	Ceiling Type	Width	Lamp Type	Shielding	Voltage	Ballast	Options	Accessories
MOR								
MOR = Medical Operating Room Recessed Luminaire G =Grid 1, 9 Blank = 24" wide (2' x 2', 2' x 4') ⁵ 12 =12" wide (1' x 4') ⁵				Blank =Asymmetric/Symmetric acrylic lens, RFI grid, grounded to housing ⁷ 89BC =0.125" KSH19 RFI acrylic symmetrical distribution A125 =Pattern 12 acrylic, 0.125" thick 120 =120V 277 =277V 347 =347V UNV =120-277V	Electronic Ballast EB82 =(2) Ballasts, T8 lamps ⁶ EB83 =(3) Ballasts, T8 lamps ER82 =(2) Ballasts, Rapid Start, T8 lamps ⁶ ER83 =(3) Ballasts, Rapid Start, T8 lamps EB52 =(2) Ballasts, T5 lamps ⁶ EB53 =(3) Ballasts, T5 lamps EBX1 =(1) Ballast, Biaxial lamps EBX2 =(2) Ballasts, Biaxial lamps EL4 =EM Pack, T8, BX EL5 =EM Pack, T5, T5HO GLR =Fuse and Holder 1/RIF =1 Radio Interference Filter ^{3, 4, 8} 2/RIF =2 Radio Interference Filters ^{3, 4, 8} 3/RIF =3 Radio Interference Filters ^{3, 4, 8} AM =Anti-microbial finish GSK =Gasketing applied to housing flange to seal against grid ALH =Aluminum housing, white powder coat finish			
1' x 4' 228 =(2) 28W T5 Lamps 254 =(2) 54W T5Lamps 232 =(2) 32W T8 Lamps 328 =(3) 28W T5 Lamps 354 =(3) 54W T5Lamps 332 =(3) 32W T8 Lamps 2' x 2' 214 =(2) 14W T5 Lamps ² 224 =(2) 24W T5HO Lamps ² 217 =(2) 17W T8 Lamps 314 =(3) 14W T5 Lamps ² 324 =(3) 24W T5HO Lamps ² 317 =(3) 17W T8 Lamps 414 =(4) 14W T5 Lamps ² 424 =(4) 24W T5 Lamps ² 417 =(4) 17W T8 Lamps 614 =(6) 14W T5 Lamps ² 624 =(6) 24W T5 Lamps ² 617 =(6) 17W T8 Lamps ⁶		2' x 2' 2U6T8 =(2) 32W T8 U-Lamps 340BX =(3) 40W Biaxial Lamps 440BX =(4) 40W Biaxial Lamps 2' x 4' 228 =(2) 28W T5 Lamps 254 =(2) 54W T5 Lamps 232 =(2) 32W T8 Lamps 328 =(3) 28W T5 Lamps 354 =(3) 54W T5 Lamps 332 =(3) 32W T8 Lamps 428 =(4) 28W T5 Lamps 454 =(4) 54W T5 Lamps 432 =(4) 32W T8 Lamps 628 =(6) 28W T5 Lamps 654 =(6) 54W T5 Lamps ⁶ 632 =(6) 32W T8 Lamps ⁶					Accessories (order separately) MSC4-PK =Mounting security clips - attach to ends of fixture to secure fixture either to the grid or to tie-wires DFCL-2424W-U =2' x 2' Drywall Framing Kit. Ships with gasket which ⁹ can be field installed. Change W to AMW for antimicrobial matte white. Cut out dimension 24.25" x 24.25" DFCL-2448W-U =2' x 4' Drywall Framing Kit. Ships with gasket which ⁹ can be field installed. Change W to AMW for antimicrobial matte white. Cut out dimension 24.25" x 48.25" DFCL-1248W-U =1' x 4' Drywall Framing Kit. Ships with gasket which ⁹ can be field installed. Change W to AMW for antimicrobial matte white. Cut out dimension 12.25" x 48.25"	

- NOTES:**
- Compatible with 1" and 1 1/2" standard grid system.
 - (1) T5 or T5HO ballast per wireway cover. Additional electrical components (RIF, EBP) will be placed in back-box - requiring additional fixture height and potential extended lead-times.
 - Specify 1/RIF for (1) RIF filter, 2/RIF for (2) RIF filters, and 3/RIF for (3) RIF filters.
 - Supply/input voltage connects to RIF(s) which are connected to the AC ballasts. Multiple ballasts with a single RIF will result in a single hot and a single neutral conductor/quick disconnect out the back of the fixture.
 - Hard metric sizes available. (Consult factory for ordering information)
 - With 6 lamps and two ballasts, the standard fixture has (2) three lamp ballasts. If a 4 lamp (inboard) and 2 lamp (outboard) application is required, the ordering logic to be used is EB82-4LB/IB or EB52-4LB/IB (according to lamp type used). This logic is not applicable in 6 lamp application using 14T5, 24T5 or 28T5 wattage.
 - Hinge is to be positioned to the outside, away from the table/patient.
 - The use of RIFs with electronic ballasts has no beneficial effects - and when used with line voltage dimming electronic ballasts, may produce adverse effects.
 - MOR-G can be used with drywall ceiling using DFCL accessory. For flange or hard ceiling order MOR-G, along with the DFCL drywall kit (accessory option) on separate line item.



MOR - 15 Day Quick Ship						
Product / QuickShip	Mounting	Lamp Type	Voltage	Ballast	Options	Option
QS-MOR	G	632	UNV	EB83	1/RIF	AM
				ER83	2/RIF	
				EB82	3/RIF	
				ER82	GSK	
					GLR	
					EL4	
Example: QS-MOR-G-632-UNV-ER82-2/RIF-GSK-AM						

Notes:
 Maximum order quantity is 50 pieces
 15 Days from receipt of Purchase Order at Cooper Lighting Solutions Facility to shipment from Cooper Lighting Solutions Facility
 Anti microbial paint standard. Catalog # must end with "AM"
 Must specify voltage with EL4
 For hard ceiling applications, specify DFCL2448W-U. Stocked Item
 EB8_ is instant start, ER8_ is rapid start
 Example Catalog Number: QS-MOR-G-632-UNV-ER83-3/RIF-GSK-AM