



### Specifications

**Reflectors** - Precision formed, high performance, 95% total reflectance, segmented optics utilizing Alanod MIRO® 4 specular aluminum warranted for 25 years.

**Construction** - 22-gauge cold rolled steel housing is rigid and fully assembled with rivets. Access plate provided for easy wiring access.

**Lamp Shielding** - Lamp shielding options are provided with a 22-ga., premium polyester powder coat finish door frame with two painted hinges and two painted opposing rotary cam latches. Lenses are held in place with lens clips.

**Finish** - Standard high gloss white baked enamel, pretreated with a 5-stage iron phosphate system.

- Optional premium polyester powder coat finish, utilizing a 7-stage pretreatment process of iron phosphate, a non-chromium sealer and a de-ionized water rinse to provide superior adhesion and corrosion resistance. Specify PAF (powder coat after fabrication).

**Ballasts** - All standard ballasts are electronic, energy saving, thermally protected, Class-P, HPF, non-PCB, Sound Rated A, UL/CSA certified where applicable and comply with Ⓢ Federal Ballast Law (Public Law 100-357, 1988).

**Electrical** - UL listed wire, rated for required temperatures, used throughout. Lamps are secured with rotary locking lamp sockets for ease of relamping and to reduce lamps disconnecting due to vibration or incidental contact. Luminaire is bi-national listed (UL 1598 and CSA C22.2 No. 250.0-00) and is suitable for damp locations.

**Mounting** - The luminaire may be suspended by chain or cable or may be monopoint mounted with appropriate accessories.

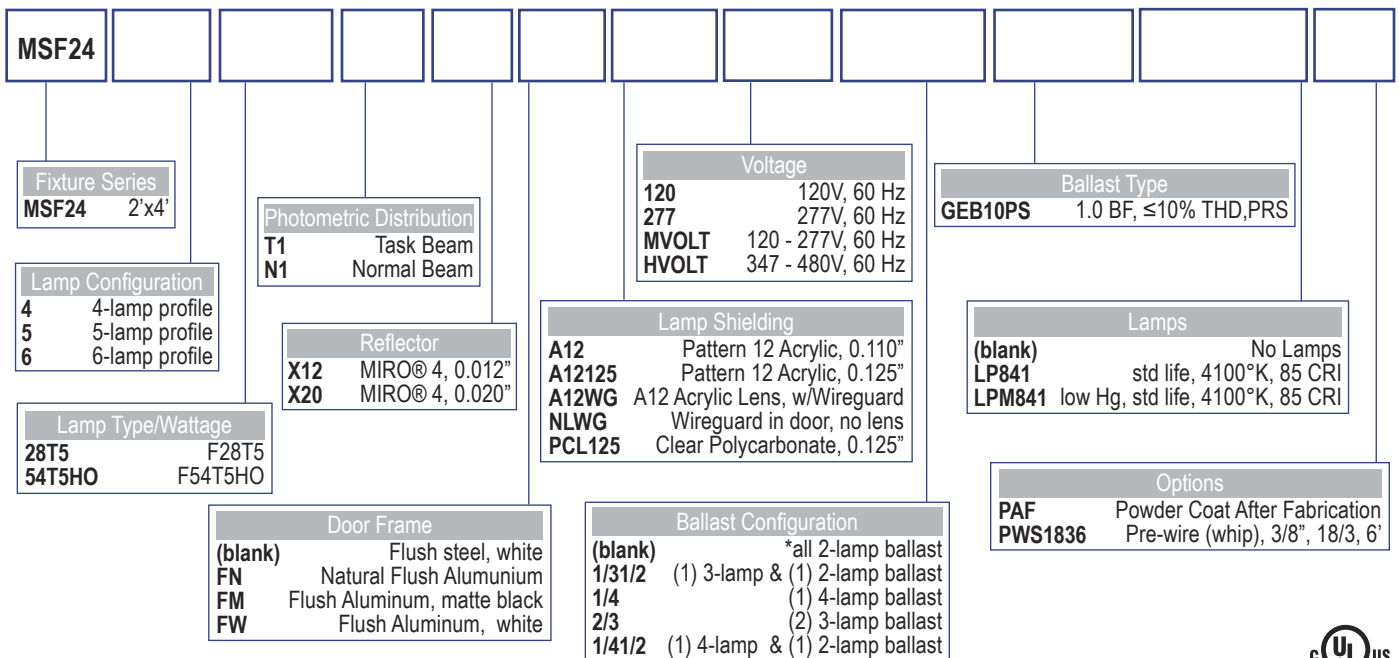
- Accessories are available.

**Lamps** - Factory installed lamps are available in various CRI ratings, temperature colors and rated life.

**Warranty** - Standard 1-year warranty for the fixture. Ballasts carry manufacturer warranties of 3-5 years, depending on the application.



### Catalog Logic



\* Available on 4 & 6 lamp profile



MMSF24T5LTLO8TF1101

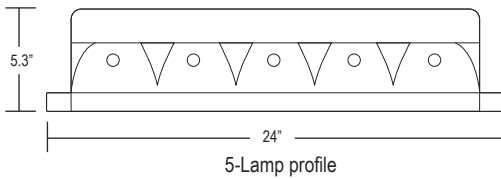
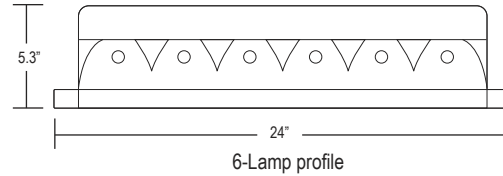
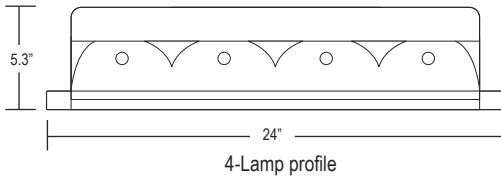




### Applications

MetalOptics MSF series high lumen recessed troffer is designed to deliver maximum efficiency and lighting control. Precise photometric distribution provides the high performance general lighting required in offices, schools, hospitals and retail interiors.

### Dimensions



### Features

- The MSF series of luminaires provide the high fixture efficiency and optical control needed to deliver peak candlepower, producing desired illumination levels from high mounting heights.
- Fully specular luminaire interior minimizes luminaire brightness
  - Precision formed reflector system produces distribution appropriate for various task requirements
  - Fixtures are available pre-lamped and wired with Reloc for fast installation
  - Protective film guards MIRO® 4 finish during construction

### Additional Options (installed on fixture)

- Battery Pack
- Fusing
- Reloc
- Whips

### Accessories (order separately)

- Drywall Grid Adapter **DGA24**

### Photometrics

SC Across Definitions:

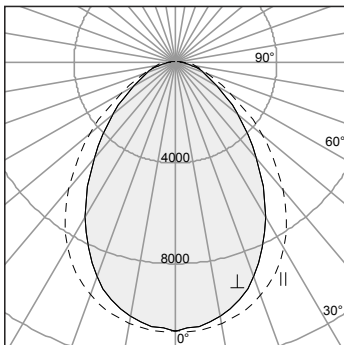
Focus =  $SC < 0.9$ , i.e. F1X12

Spread =  $1.4 < SC \leq 1.8$ , i.e. S1X12

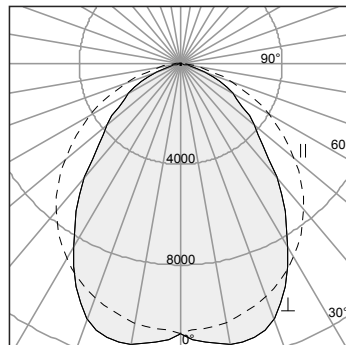
Task =  $0.9 \leq SC < 1.2$ , i.e. T1X12

Broad =  $1.8 < SC$ , i.e. B1X12

Normal =  $1.2 \leq SC \leq 1.4$ , i.e. N1X12, N1D20



MSF24 6 54T5HO T1X12 A12  
Test #200349M  
Fixture Efficiency: 78.6%  
SC Across: 1.0, SC Along: 1.2



MSF24 6 54T5HO N1X12 A12  
Test #200350M  
Fixture Efficiency: 95.7%  
SC Across: 1.2, SC Along: 1.2

