LITHONIA LIGHTING®

| Catalog Number | |
|---|---|
| Notes | |
| Type | |

CONTOUR SERIES

**Floodlighting**

# TFM

METAL HALIDE: 50 - 175W
HIGH PRESSURE SODIUM: 35 - 150W

RB, RG

TA

## FEATURES & SPECIFICATIONS

**INTENDED USE** — Ideal for signs, flags, building facades and landscaping.

**CONSTRUCTION** — Compact NEMA heavy-duty construction. Die-cast aluminum housing & front bezel. Bezel removable via position-oriented hinge-cam design. Lens is thermal and shock-resistant, 1/8" clear tempered glass.

Finish: Standard finish is dark bronze (DDB) corrosion-resistant polyester powder finish with other architectural colors available.

**OPTICS** — Three distributions from very wide to medium narrow are available. RB and RG reflectors (horizontal lamp) feature one-piece anodized aluminum-faceted parabolic construction (semi-specular or specular) for high performance and efficiency. TA reflectors (vertical lamp) are highly effective die-formed semi-specular aluminum (Not available with 175M).

**ELECTRICAL** — Ballast: High Pressure Sodium – Reactor normal power factor ballast is standard for 35S, 50S or 70S 120V (HX – HPF is optional for 50S or 70S 120V only). All other voltages are standard high reactance, high power factor. Metal halide – High reactance, high power factor for 50-150W and standard with pulse start ignitor technology and constant-wattage autotransformer for 175W. CSA, NOM or INTL required for probe start shipments outside of the US for 175M. Not available 175M SCWA. All ballasts are 100% factory-tested. Electrical components are mounted to the cast aluminum housing, promoting maximum heat dissipation.

Socket: Porcelain, horizontally- or vertically-oriented, medium base socket with copper alloy, nickelplated screw shell with center contact.

**INSTALLATION** — Die-cast aluminum 1/2" NPSM threaded mounting knuckle is standard. Steel painted mounting yoke is optional.

**LISTINGS** — UL Listed. CSA or NOM Certified (see Options). UL Listed for wet locations and 25°C ambient temperature. IP65 rated.

**WARRANTY** — 1-year limited warranty. Complete warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Note: Specifications subject to change without notice.

*Specifications*

Height (includes knuckle): 10-5/8 (26.9)

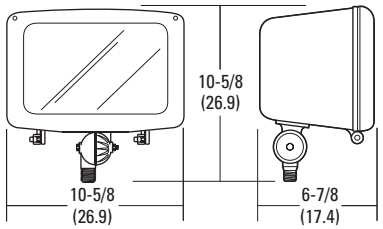
Width: 10-5/8 (26.9)

Depth: 6-7/8 (17.5)

*Weight: 14.05 lbs (6.37kg)

EPA: 0.5 ft²

*Weight as configured in example below.




All dimensions are inches (centimeters) unless otherwise specified.

## ORDERING INFORMATION

For shortest lead times, configure product using **standard options (shown in bold).**

**Example**: TFM 100M RB TB LPI

| TFM | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Series** | **Wattage** | **Distribution** | **Voltage** | **Ballast** | **Mounting** | **Options** | **Finish[5]** | **Lamp[17]** |
| **TFM** | Metal halide<br>50M[1]<br>**70M[1]**<br>**100M[1]**<br>**150M**<br>175M[1, 2, 3]<br>Ceramic metal halide<br>50MHC[1]<br>70MHC[1]<br>100MHC[1]<br>150MHC<br>High pressure sodium[1]<br>35S[4]<br>50S[5]<br>70S[5]<br>100S<br>150S | **TA** (7 X 6)<br>**RB** (6 X 6)<br>RG (3 X 3) | **120**<br>208[6]<br>240[6]<br>**277**<br>**347**<br>**480[6]**<br>**TB[7]**<br>23050HZ[8] | **(blank)** Magnetic ballast<br>CWI Constant wattage isolated<br>XHP High-reactance HPF ballast[9]<br>Pulse Start HID Ballast/Lamp Systems<br>SCWA Super SCWA pulse start ballast[10] | Shipped installed<br>**(blank)** Knuckle<br>YK Yoke mounting<br>Shipped separately[11, 12]<br>TFMTS Tenon slip-fitter (2-3/8" OD tenon) | Shipped installed in fixture<br>SF Single fuse (120, 277, 347V)[13]<br>DF Double fuse (208, 240, 480V)[13]<br>PE Photocell<br>C62 2' 16-3 SEO cord prewired<br>C42 2' 14-3 SEO cord prewired<br>C22 2' 12-3 SEO cord prewired<br>**CSA** CSA Certified<br>NOM NOM Certified[8]<br>INTL International shipment for 175M<br>Shipped separately[11, 12, 14]<br>WG Wire guard<br>VG Vandal guard<br>UV Upper visor<br>FV Full visor | **(blank)** Dark bronze<br>**DNA** Natural aluminum<br>**DBL** Black<br>DMB Medium bronze<br>DGC Charcoal gray<br>DSS Sandstone<br>**DWH** White<br>CRT Non-stick protective coating[16]<br>Super durable finishes<br>DDBXD Dark bronze<br>DBLXD Black<br>DNAXD Natural aluminum<br>DWHXD White<br>DDBTXD Textured dark bronze<br>DBLBXD Textured black<br>DNATXD Textured natural aluminum<br>DWHGXD Textured white | LPI Lamp included<br>L/LP Less lamp |

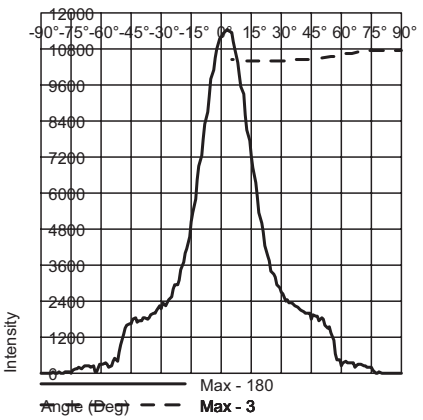
**Notes**

1 Not available with SCWA.
2 Not available with TA reflector. N/A with SCWA. Only available as probe start and CSA, NOM, or INTL is required.
3 These wattages do not comply with California Title 20 regulations.
4 35S is available only with 120V. Not available with XHP.
5 High reactance, HPF ballast (XHP) is available with 50S or 70S, 120V only.
6 Must specify CWI for use in Canada.
7 Optional multi-tap ballast (120, 208, 240, 277V). In Canada 120, 277, 347V; ships as 120/347.
8 Consult factory for available wattages.
9 XHP is available with 50S or 70S, 120V only.
10 Available with 150M or 150MHC only.
11 May be ordered as an accessory.
12 Must specify finish when ordered as an accessory.
13 Must specify voltage. Not available with TB, or with TA distribution. Not available with 480V or TB.
14 Prefix with TFM when ordered as an accessory.
15 See www.lithonia.com/archcolors for additional color options.
16 Black finish only.
17 Must be specified. L/LP not available with MHC.

# **TFM** Floodlight

**TFM** 150MHC RB, (horizontal lamp), 150W ceramic metal halide lamp, 14,000 rated lumens, test no. 97020503P

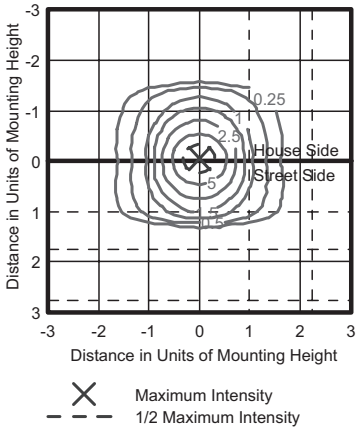
Cartesian Plot




**ISOILLUMINANCE PLOT (FC)**

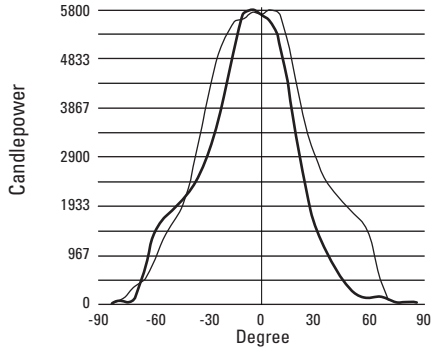
Mounting Height = 20 ft.

Classification: Unclassified (Type I, Very Short), Full Cutoff



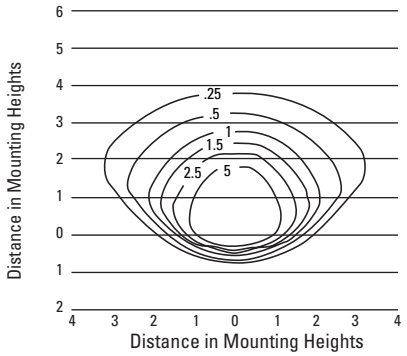

**TFM 150S TA,** (vertical lamp), 150W high pressure sodium lamp, 15800 rated lumens, test no. 98061202

Cartesian Plot




Nema type: 7H x 6V
Beam spread: 131 H x 103V
Beam efficiency 10%: 48.2%
Beam flux 10% (lumens): 7622
Maximum candela: 5800

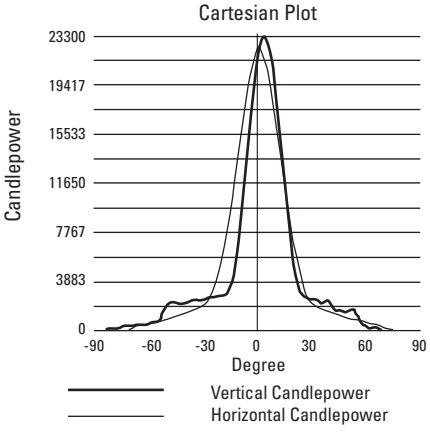
Iso-Illuminance Contour




Aiming Angle = 45
Mounting Height = 10ft.

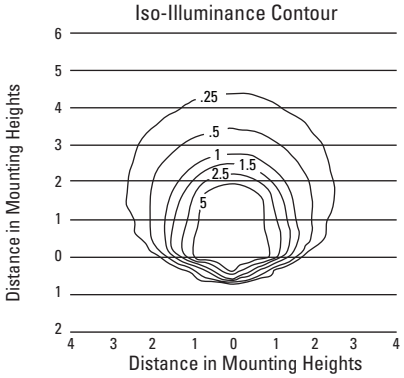
**TFM 150S RG,** (vertical lamp), 150W high pressure sodium lamp, 16000 rated lumens, test no. 97060903.

Cartesian Plot




Nema type: 4H x 4V
Beam spread: 57 H x 70V
Beam efficiency 10%: 35.0%
Beam flux 10% (lumens): 5604
Maximum candela: 23300

Iso-Illuminance Contour




Aiming Angle = 45
Mounting Height = 10ft.

**Notes**

1 Photometric data for other distributions can be accessed at www.lithonia.com.

2 Tested to current IES and NEMA standards under stabilized laboratory conditions. Various operating factors can cause differences between laboratory data and actual field measurements. Dimensions and specifications on this sheet based on the most current available data and are subject to change without notice.

3 For electrical characteristics, consult outdoor technical data specification sheets on www.lithonia.com.

4 Actual performance may differ as a result of end-user environment and application.

Mounting Height Correction Factor

(Multiply the fc level by the correction factor)

| 10' mounting height | 20' mounting height |
|---|---|
| 15 ft. = .44 | 10 ft. = .4 |
| 20 ft. = .25 | 15 ft. = 1.78 |
| 25 ft. = .16 | 25 ft. = .64 |

$$\left(\frac{\text{Existing Mounting Height}}{\text{New Mounting Height}}\right)^2 = \text{Correction Factor}$$



LITHONIA LIGHTING®
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