

FEATURES & SPECIFICATIONS

INTENDED USE — For recreation areas, parking lots, building facades, car lots.

CONSTRUCTION — NEMA heavy-duty construction. Contoured, low-profile die-cast aluminum housing and front bezel. Front bezel is hinged for easy removal via position-oriented hinge-cam design. Sealed by a one piece bonded high-temperature silicone gasket.

Lens: Impact-resistant, thermal-and shock-resistant clear tempered glass.

Finish: Standard finish is dark bronze (DDB) corrosion resistant polyester powder. With additional architectural colors.

OPTICS — Anodized aluminum reflector provides highly efficient rectangular beam pattern. Optic chamber sealed to inhibit entrance of outside contaminants.

 $\textbf{ELECTRICAL} - \textbf{Ballast: High pressure sodium: 150W is high reactance, high power factor. Constant wattage autotranssorum and the properties of the prop$ former for 200-400W. Metal halide: 150W is high reactance, high power factor and is standard with pulse-start ignitor technology. "SCWA" not required. Constant wattage autotransformer for 175-400W. Super CWA (pulse start ballast), 88% efficient and EISA legislation compliant, is required for metal halide 151-400W (SCWA option) for US shipments only. CSA, NOM or INTL required for probe start shipments outside of the US. Pulse-start ballast (SCWA) required for 200W, 320W, or 350W. Ballast is 100% factory-tested.

Socket: Porcelain, horizontally-oriented, mogul-base socket with copper alloy, nickelplated screw shell and center contact. UL listed 1500W, 600V, 4KV pulse rated.

INSTALLATION — Corrosion-resistant, heavy-duty, painted steel mounting yoke standard; die-cast integral tenon slipfitter optional. All external slotted hex-head screws specially coated for corrosion-resistance.

LISTINGS — Listed and labeled to UL standards. Listed and labeled to CSA standards (see Options). NOM Certified (see Options). UL listed for 25°C ambient; 40°C for 250M and below or 150S and below. UL listed for wet location. IP65 rated. Note: Specifications subject to change without notice.

Catalog Number	
Notes	
Туре	

ONTOU SERIES

Floodlighting



METAL HALIDE: 150W - 400W HIGH PRESSURE SODIUM: 150W - 400W

Specifications

Height: 10-1/2 (26.7) Width: 17-5/8 (44.8)

Depth: 12-3/4 (32.4) *Weight: 27 lbs (13.2 kg)

EPA: 1.3ft.2

*Weight as configured in example below.

All dimensions are inches (centimeters) unless otherwise specified.

	12-3/4 (32.4)	0	
17-5/8		10-3/4	

ORDERING INFORMATION

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

Example: TFR 400M TA TB SCWA LPI

TFR							
Series	Wattage		Distribution	Voltage	Ballast	Mounting	
TFR	Metal halide 150M 175M¹.² 200M³ 250M⁴ 320M³ 350M².³ 400M⁴	Ceramic metal halide 150MHC High pressure sodium ⁵ 150S 250S 400S	TA (7 X 6) ⁶ RB (6 X 6) RC (5 X 5)	120 208' 240' 277 347 480' TB ⁸ 23050HZ ⁹	(blank) Magnetic ballast CWI Constant wattage isolated Pulse Stort SCWA Super SCWA pulse start ballast Note: For shipments to U.S. territories, SCWA must be specified to comply with EISA.	Shipped installed (blank) Yoke IS Integral slipfitter (2-3/8" OD tenon)	Shipped separately 10,11 EY Extended yoke 12 FRWB Radius wall bracket 13 FSAB Steel angle bracket 12 FSPB Steel square pole bracket 13 FTS Tenon slipfitter (2-3/8" to 2-7/8" OD tenon) 12 FWPB Wood mounting bracket 12

Options							Lamp ²⁰	
Shipped installed in fixture SF Single fuse (120, 277, 347V) ¹⁴ DF Double fuse (208, 240, 480V) ¹⁴ EC Emergency circuit ¹⁵ QRS Quartz restrike system ¹⁵ PER NEMA twist-lock photoelectric receptacle ¹⁶ C62 2' 16-3 SEO cord prewired C42 2' 14-3 SEO cord prewired C22 2' 12-3 SEO cord prewired	CF CSA NOM INTL REGCI	Charcoal filter Listed and labeled to comply with CSA standards NOM Certified ⁹ Available for MH probe start shipping outside the U.S. California Title 20 effective 1/1/02010	Shipp WG VG UV FV PE1 PE3 PE4 PE7	ed separately ¹⁰ Wire guard ^{11,17} Vandal guard ^{11,17} Upper visor ^{11,17} Full visor ^{11,17} NEMA twist-lock photocontrol (120, 208, 240V) NEMA twist-lock photocontrol (347V) NEMA twist-lock photocontrol (480V) NEMA twist-lock photocontrol (277V) Shorting cap for PER option	(blank) DNA DBL DMB DWH CR	Dark bronze Natural aluminum Black Medium bronze White Enhanced corrosion resistance Non-stick protective coating ¹⁹	LPI L/LP	Lamp included Less lamp

Notes

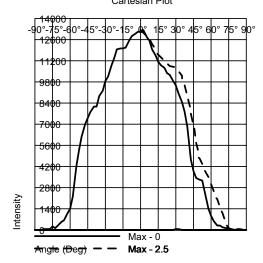
- 175M SCWA not available with 480V.
- These wattages do not comply with California Title 20 regulations.
- Must order SCWA.
- These wattages require the REGC1 option to be chosen for shipments into California for Title 20 compliance. 250M REGC1 in not available in 347 or 480V
- Not available with SCWA
- Not available with 150S.

- Must specify CWI for use in Canada
- Optional multi-tap ballast (120, 208, 240, 277V). In Canada 120, 277, 347V; ships as 120/347.
- Consult factory for available wattages.
- 10 May be ordered as an accessory.
- 11 Must specify finish when ordered as an accessory.
- 12 Yoke mounting only.
- 13 Requires IS or FTS slipfitter.
- 14 Must specify voltage. Not available with TB.
- 15 Maximum allowable wattage lamp included.
- 16 Photocell not included.
- 17 Prefix with TFR when ordered as an accessory. Field modification required unless ordered with fixture.
- 18 See www.lithonia.com/archcolors for additional color options.
- 19 Black finish only.20 Must specify. L/LP not available with MHC.

NUTDONR TFR-M-S

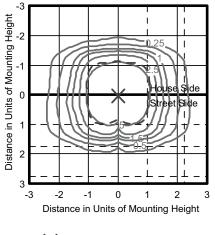
TFR Floodlight

TFR 400M TA, 400W pulse start metal halide lamp, 40,000 rated lumens, test no. 1197100301P Cartesian Plot



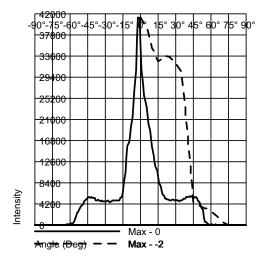
ISOILLUMINANCE PLOT (FC)

Mounting Height = 20 ft. Classification: Unclassified (Type NC, Very Short), Cutoff



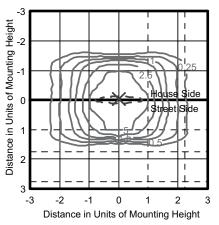
Maximum Intensity 1/2 Maximum Intensity

TFR 400M RC, 400W pulse startmetal halide lamp, 40,000 rated lumens, test no. 1197082602P Cartesian Plot



ISOILLUMINANCE PLOT (FC)

Mounting Height = 20 ft. Classification: Unclassified (Type I, Very Short), Cutoff



Maximum Intensity 1/2 Maximum Intensity

OUTDOOR:

- 1. Photometric data for other distributions can be accessed from the Lithonia Lighting website. (www.Lithonia.com)
- 2. For electrical characteristics, consult outdoor technical data specifications on www.lithonia.com.

Mounting Height Correction Factor

(Multiply the fc level by the correction factor)

15 ft. = 1.77

25 ft. = .64

30 ft. = .44

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