

TFA
Contour®



Intended Use

For industrial yards, parking lots, construction sites, streets and recreational areas.

Construction

Housing: Heavy-duty construction. Contoured die-cast aluminum housing and front bezel. Bezel hinged and latched for fast, easy tool-less internal access to optical and electrical compartments. Lens is heavy-duty, thermal- and shock-resistant, clear, tempered glass with no metal-to-glass contact.

Finish: Dark bronze polyester powder finish standard. Additional architectural colors available;

Optics

Computer-designed, precision die-formed, specular anodized aluminum reflector provides high efficiencies. Premium, one-piece silicone gasket seals optical chamber to inhibit entrance of outside contaminants.

Electrical

Electrical components mounted to heavy-gauge

plate to maximize heat dissipation and structural integrity. Ballast: All ballasts are 100% factory tested. Constant wattage autotransformer 250W and above. Super CWA Pulse Start ballasts, 88% efficient and EISA legislation compliant, are required for 250-400W (must order SCWA option) for U.S. shipments only. CSA, NOM or INTL required for probe start shipments outside the U.S.

Socket: Porcelain, horizontally or vertically oriented, mogul-base socket with cop

per alloy, nickel-plated screw shell and center contact. UL Listed 1500W, 600V.

Installation

Tool-less latches on front bezel can be opened while wearing gloves. Corrosion-resistant, painted steel yoke.

Listings

UL Listed (standard) (ambient temperature 25°C for 750W and above, 40°C for 400W and below). CSA Certified or NOM Certified (see Options). UL Listed for wet locations. IP65 rated.



Pulse Start
HID Ballast/Lamp Systems



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: TFA 1000M TA TB LPI

Series	Lamp type ¹		Distribution ¹	Voltage	Ballast	Mounting
TFA	<u>High pressure sodium²</u>	<u>Metal halide</u>	RN Horizontal	120	(blank) Magnetic ballast	<u>Ships installed</u>
	250S	250M	TA Horizontal	208 ⁵	CWI Constant wattage isolated ⁷	(blank) Yoke (std.)
	400S	320M ⁴	RB Vertical	240 ⁵	SCWA Super CWA ballast	IS Integral slipfitter (2-3/8" OD tenon)
	750S ³	350M ⁴	RC Vertical	277		<u>Ships separately^{8,9}</u>
	1000S	400M	RE Vertical	347		AFTM Tenon mount
		750M ⁴	RM Vertical	480⁵		FRWB Radius wall bracket
		1000M	TA2 Vertical	TB⁶		FSPB Steel square pole bracket
				23050HZ ⁷		

Options

Ships installed

SF Single fuse, 120V, 277V, 347V
 DF Double fuse, 208V, 240V, 480V
 EC Emergency circuit¹⁰
 QRS Quartz restrike system¹⁰
 QRSTD Quartz restrike time delay¹⁰
PER NEMA twist-lock receptacle only¹¹
 C22 2' 12-3 cord prewired¹²
 C42 2' 14-3 cord prewired¹²

C62 2' 16-3 cord prewired¹²
CSA Meets Canadian standards
 NOM Meets Mexican standards (consult factory)
 INTL Available for MH probe start shipping outside the U.S.
Ships separately⁸
 PE1 NEMA twist-lock PE (120, 208, 240V)
 PE3 NEMA twist-lock PE (347V)
 PE4 NEMA twist-lock PE (480V)
 PE7 NEMA twist-lock PE (277V)

SC Shorting cap
 VG Vandal guard¹³
 WG Wire guard¹³
 FV Full visor^{9,13}
 UV Upper visor^{9,13}
 BV Bottom visor^{9,13}

Finish

(blank) Dark bronze
DBL Black
DGC Charcoal gray
DMB Medium bronze
DNA Natural aluminum
DWH White
CR Enhanced corrosion resistance
CRT Non-stick protective coating (black)

Lamped

LPI Lamp included
L/LP Less lamp

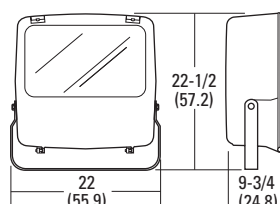
ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

LAMP/FIXTURE DATA					
LAMP TYPE	DIST.	CIRCUIT	LAMP SHAPE	BEAM SPREAD H° x V°	NEMA DIST.
400S	TA	CWA	ET18	140 x 134	7 x 7
400S	RN	CWA	ET18	127 x 30	6 x 3
400S	TA2	CWA	ET18	138 x 112	7 x 6
400S	RB	CWA	ET18	126 x 106	6 x 6
1000S	TA	CWA	E25	139 x 133	7 x 7
1000S	RN	CWA	E25	127 x 21	6 x 2
1000S	TA2	CWA	E25	144 x 119	7 x 6
1000S	RB	CWA	E25	128 x 114	6 x 6
400M	TA	CWA	BT37	143 x 133	7 x 7
400M	RN	CWA	BT37	129 x 35	6 x 3
400M	TA2	CWA	BT37	135 x 111	7 x 6
400M	RB	CWA	BT37	124 x 100	6 x 6
1000M	TA	CWA	BT56	146 x 135	7 x 7
1000M	RN	CWA	BT56	130 x 45	6 x 3
1000M	TA2	CWA	BT56	144 x 119	7 x 6
1000M	RB	CWA	BT56	126 x 109	6 x 6

CONFIGURATIONS		
SERIES	LAMP TYPE	DISTRIBUTION
TFA	250S, 250M, 320M, 350M, 400S, 400M	RN, TA, RB, RC, TA2, RM
TFA	750M	RN, TA
TFA	750S, 1000S	RN, TA, RB, TA2, RM
TFA	1000M	RN, TA, RB, RE, TA2, RM

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



EPA: 2.6 ft² (0.24 m²)
 Max. weight: 65 lbs (29.5 kg)

Notes

- Specify lamp type and distribution. See Configurations table.
- Not available with SCWA.
- Not available in multi-tap ballast.
- Must be ordered with SCWA.
- Must specify CWI for use in Canada.
- Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
- Consult factory for available wattages.
- May be ordered as an accessory.
- Must specify finish.
- Maximum allowable wattage lamp included.
- Photocell not included.
- Yoke-mount only.
- Prefix with fixture name (e.g., TFAUV).

FEATURES & SPECIFICATIONS

INTENDED USE — Use for industrial yards, parking lots, construction sites, and signage.

CONSTRUCTION — NEMA heavy-duty construction. Contoured die-cast aluminum housing and front bezel. Bezel is hinged and latched for fast, easy "no-tool" internal access to optical and electrical compartments.

FINISH — Standard finish is dark bronze (DDB) corrosion resistant polyester powder finish with other architectural colors available.

OPTICAL SYSTEM — Precision die-formed specular anodized aluminum reflector provides high efficiencies with vertical or horizontal lamp orientation. Premium one-piece silicone gasket seals optical chamber to inhibit entrance of outside contaminants. Lamp support standard with horizontally lamped 1000W units.

Lens: heavy-duty, thermal shock-resistant clear tempered glass with no metal-to-glass contact.

ELECTRICAL SYSTEM — Ballast: high power factor constant-wattage autotransformer. Super CWA pulse start ballast required for 200M, 320M, 350M, & 750M (SCWA option) Ballast is copper-wound and 100% factory-tested. Electrical components are mounted to rear housing for maximum heat dissipation, accessible through front bezel. Super CWA Pulse Start ballasts, 88% efficient and EISA legislation compliant, are required for 200-400W (must order SCWA option) for US shipments only. CSA, NOM or INTL required for probe start shipments outside of the US.

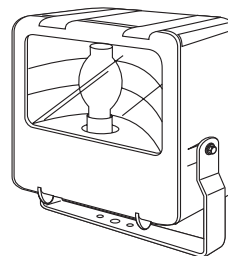
Socket: Porcelain, vertically or horizontally-oriented, mogul-base socket with copper alloy, nickel-plated screw shell and center contact. UL listed 1500W, 600V.

INSTALLATION — Front bezel "no-tool" latches are easily operable while wearing heavy work gloves. Corrosion-resistant, heavy-duty painted steel mounting yoke included.

LISTING — UL Listed (standard). CSA certified (See Options). NOM certified (See Options). UL listed for 25°C ambient and wet locations. IP65 rated.

Specifications subject to change without notice.

CONTOUR SERIES



Specifications

*Weight: 65lbs/29.5 kg

Overall height: 24-3/8" (61.9cm)

Overall width: 24" (60.96cm)

Depth: 10" (25.4cm)

EPA: 2.6

*Weight as configured in example below.

Floodlighting

TFA

METAL HALIDE

200W - 1000W

HIGH PRESSURE SODIUM

250W - 1000W

ORDERING INFORMATION

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

Example: TFA 1000M TA TB LPI

TFA		Distribution		Voltage	Options		Lamp ¹⁸
Series							
TFA		Horizontal		120	Shipped installed in fixture	Shipped separately¹⁵	LPI Lamp included (standard)
	Wattage	TA (7x7)		208 ⁷	SF Single fuse (120, 277, 347V) ¹¹	FV Full visor	L/LP Less lamp
	Metal Halide	RN (6x3)		240 ⁷	DF Double fuse (208, 240, 480V) ¹¹	UV Upper visor	
	High Pressure Sodium¹	Vertical		277	CF Charcoal filter	VG Vandal guard	
	200M ¹	RE (4x4) ⁵		347	C62 2' 16-3 SEO cord prewired	WG Wireguard	
	250M ²²	RC (5x5) ^{5,6}		480⁷	C42 2' 14-3 SEO cord prewired	PE1 NEMA twist-lock photocontrol (120, 208, 240V)	
	320M ¹	RM (6x5)		TB⁸	C22 2' 12-3 SEO cord prewired	PE3 NEMA twist-lock photocontrol (347V)	
	350M ²¹	RB (6x6)		230/50HZ ¹⁰	EC Emergency circuit ¹³	PE4 NEMA twist-lock photocontrol (480V)	
	400M²²	TA2 (7x6)			IS Integral slipfitter (2 3/8-2 7/8")	PE7 NEMA twist-lock photocontrol (277V)	
	750M ¹²				QRS Quartz restrike system ¹³	SC Shorting cap for PER option	
	1000M³				QRSTD Quartz time delay ^{10,13}		
		Ballast			PER NEMA twist-lock receptacle¹⁴		Finish¹⁶
		(blank) Magnetic ballast			TP Tamper proof latches		(blank) Dark bronze
		CWI Constant wattage isolated			CSA CSA certified		DWH White
		Pulse Start			NOM NOM certified		DBL Black
		SCWA Super CWA pulse start ballast			INTL Available for MH probe start shipping outside the U.S.		DMB Medium bronze
					REGC1 California Title 20 effective 1/1/2010		DNA Natural aluminum
							CR Enhanced corrosion resistance
							CRT Non-stick protective coating¹⁷

NOTES:

- 1 Must be ordered with SCWA.
- 2 N/A with vertical distributions.
- 3 Reduced jacketed lamp for vertical distributions.
- 4 N/A with SCWA.
- 5 N/A with 1000W or 750S.
- 6 N/A with 1000M.
- 7 Must specify CWI for use in Canada.
- 8 Optional multi-tap ballast (120, 208, 240, 277V). In Canada 120, 277, 347V; ships as 120/347.
- 10 Consult factory for available wattages.
- 11 Must specify voltage. N/A with TB.
- 12 Yoke-mount only.
- 13 Max allowable wattage lamp included.
- 14 Photocell not included.
- 15 May be ordered as an accessory.
- 16 See www.lithonia.com/archcolors for additional color options.
- 17 Black finish only.
- 18 Must be specified.
- 19 Field modification required unless ordered with fixture.
- 20 Requires IS or FTS.
- 21 These wattages do not comply with California Title 20 regulations.
- 22 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.

Accessories

- Order as separate catalog number
- TFAFV Full visor¹⁹
 - TFAUV Upper visor¹⁹
 - TFAVG Vandal guard¹⁹
 - TFAWG Wireguard¹⁹
 - FTS Tenon slipfitter (2 3/8-2 7/8")¹²
 - FCRA Cross-arm adaptor¹²
 - FCRA45 Cross-arm adaptor — 45°¹²
 - FCX_ Wood pole cross-arm (_insert 2, 3 or 4; add "G" for galvanized)¹²
 - FPMB Pole mounting bracket¹²
 - FRWB Radius wall bracket²⁰
 - FSAB Steel angle bracket¹²
 - FSPB Steel square pole bracket²⁰
 - FWPB Wood pole bracket¹²