



**Stonco LED Slim flood** is your best value for discreet and modern design on your floodlighting projects. Versatile and stylish with six different sizes to choose from, Slim flood provides application flexibility for ground, wall, or pole mount installations. Ideal for sign lighting, building facades, security lighting, and general purpose floodlighting applications. The discreet low profile design will not interfere with your landscape layouts.

Project: \_\_\_\_\_

Location: \_\_\_\_\_

Cat.No: \_\_\_\_\_

Type: \_\_\_\_\_

Notes: \_\_\_\_\_

### Ordering guide

example: TF200-NW-G1-Y-FL-8-BZ

| Luminaire |                    | LED Color                              | Generation      | Mounting                                                        | Distribution  | Voltage      | Finish        |
|-----------|--------------------|----------------------------------------|-----------------|-----------------------------------------------------------------|---------------|--------------|---------------|
|           |                    |                                        | <div>G1</div>   |                                                                 | <div>FL</div> | <div>8</div> | <div>BZ</div> |
| TF10      | LED SlimFlood 10W  | WW <sup>3</sup> Warm White 3000, 80CRI | G1 Generation 1 | K <sup>1</sup> Knuckle (½" NPS male) and Yoke Mount combination | FL Flood      | 8 120-277VAC | BZ Bronze     |
| TF30      | LED SlimFlood 30W  | NW Neutral White 4000K, 80CRI          |                 |                                                                 |               |              |               |
| TF50      | LED SlimFlood 50W  | CW Cool White 5000K, 80CRI             |                 |                                                                 |               |              |               |
| TF100     | LED SlimFlood 100W | NW Neutral White 4000K, 80CRI          |                 | Y <sup>2</sup> Yoke Mount only                                  |               |              |               |
| TF150     | LED SlimFlood 150W | CW Cool White 5000K, 80CRI             |                 |                                                                 |               |              |               |
| TF200     | LED SlimFlood 200W |                                        |                 |                                                                 |               |              |               |

1. **K** Knuckle Mount and Yoke Mount combination available with TF10 / TF30 / TF50.

2. **Y** Yoke Mount only available with TF100 / TF150 / TF200.

3. **WW** Warm White only available with TF10 / TF30 / TF50.

### Product Specifications

#### Housing and Heat Sink

Single piece die cast aluminum alloy. Housing also acts as a heat sink, designed to ensure high efficacy and superior cooling by natural convection. Air flow pattern always close to LEDs and driver optimizing their efficiency and life. Product does not use any cooling device with moving parts (only passive cooling).

#### Mounting

Suitable for mounting within 4' (1.2m) of the ground.

Knuckle (K, see Ordering guide): K mounting option provides a unique 2-in-1 combo, includes a versatile yoke bracket for flat surfaces, as well as 1/2" NPS Knuckle mounting for easy connection to electrical junction boxes. Ships fully assembled with 3' (1m) long power cord.

Yoke (Y, see Ordering guide): Integral structural steel adjustable yoke (Y) for direct surface mounting, painted for resistance to corrosion, with bolt to lock in aiming angle. Ships fully assembled, ready to install. Three foot (3' or 0.9144m) watertight STW 16 gauge cord exits out of Housing for connection by others, IP66 liquid tight connector to seal cord exit point.

#### Lens

Heat and impact resistant tempered glass lens and electronics compartment providing an IP65 seal. Lens secured with silicone seal and clips, lens includes silk screen for aesthetic purposes.

#### IK Rating

IK07 impact resistance rating for lens.

#### Surge Protection

Provided integral inside driver:  
10/30/50W: 2KV  
100/150/200W: 4KV

#### Light Engine

Composed of 3 main components: LED Module / Optical System / Driver. Electrical components are RoHS compliant. LEDs tested by ISO 17025-2005 accredited lab in accordance with IESNA LM-80 guidelines extrapolations in accordance with IESNA TM-21. Metal core substrate ensures greater heat transfer and longer lifespan.

#### LED Module

Composed of mid-power performance white LEDs. Color temperature as per ANSI/NEMA bin Neutral White-4000 Kelvin nominal, Warm White-3000 Kelvin nominal, & Cool White-5000 Kelvin nominal (3985 +/- 275K or 3710K to 4260K), CRI 80 Min.

#### Optical System

Flood distribution, optimized for target lumens and a superior lighting uniformity. Photometric performance shall be tested per LM-79 (IESNA) certifying its photometric performance and published in accordance with LM-63.

#### Driver

High power factor of 0.9 min. Electronic driver, operating range 50/60 Hz, Class 1 or Class 2.

#### Wiring

Insulated internal wiring located inside the housing, silicone seals all places where wiring passes through openings including sealed where it exits the luminaire for knuckle and trunnion mount. Due to the inrush current that occurs with electronic drivers, recommend using a time delay or slow blow fuse to avoid unnecessary and unwanted fuse blowing that can occur with fast acting fuses.

#### Hardware

All exposed screws shall be stainless steel and/or corrosion resistant and captive. All seals and sealing devices are made and/or lined with EPDM and/or silicone and/or rubber.

#### Finish

Fade and abrasion resistant, electrostatically applied, thermally cured, triglycidic isocyanurate (TGIC) polyester powdercoat textured bronze finish.

#### LED Products Manufacturing Standard

The electronic components sensitive to electrostatic discharge (ESD) such as light emitting diodes (LEDs) are assembled in compliance with EC61340-5-1 and ANSI/ESD S20.20 standards so as to eliminate ESD events that could decrease the useful life of the product.

#### Vibration Resistance

Knuckle and Yoke mounts meet the ANSI C136.31 luminaire vibration specifications for normal applications (1.5G).

#### Certifications and Compliance

cETLus Listed for Canada and USA. DesignLights Consortium qualified. Entire luminaire is rated for operation in ambient temperature of -40°C (-40°F) up to +40°C (+104°F).

#### IP65 Rating

Entire luminaire including light engine and driver/electrical compartment IP65 rated in all aiming positions including upward aiming floodlighting applications.

#### Limited Warranty

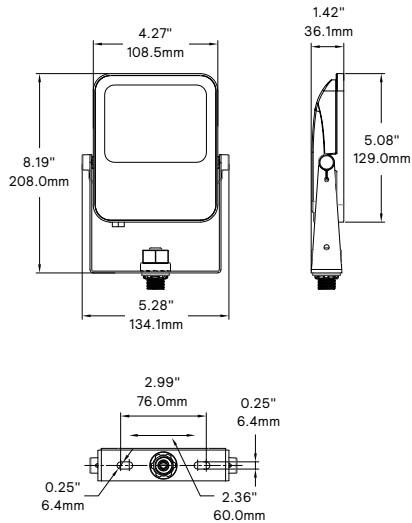
5-year limited warranty. See [signify.com/warranties](http://signify.com/warranties) for details and restrictions. Visit our eCatalog or contact your local sales representative for more information.

# TF10/30/50/100/150/200 Slim flood

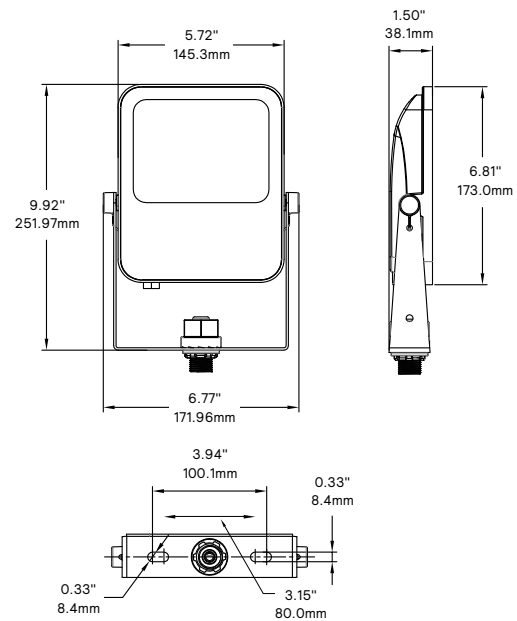
LED floodlights, 10-200W

## Dimensions TF10/30/50

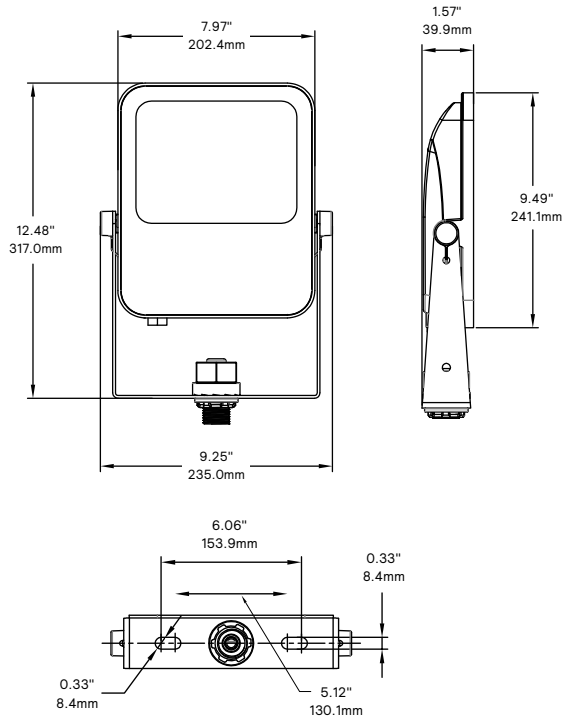
TF10



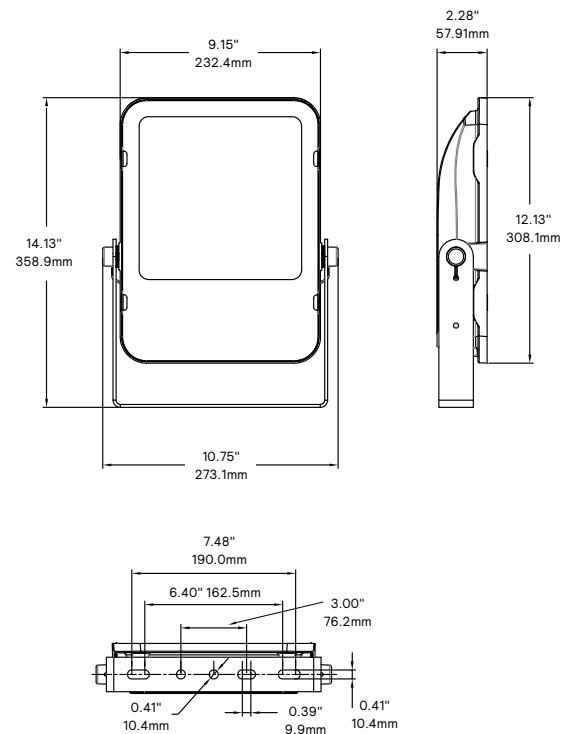
TF30



TF50



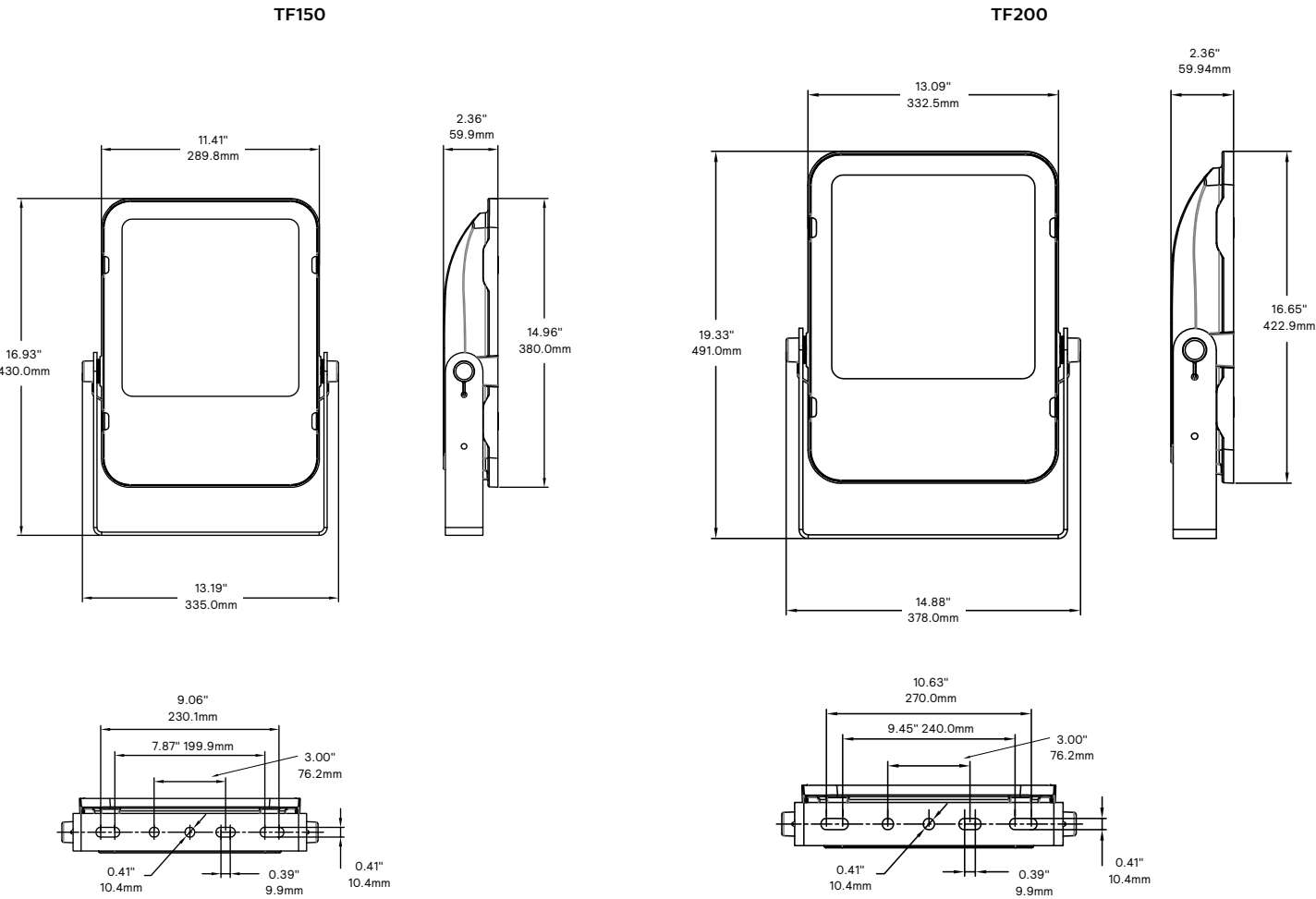
TF100



# TF10/30/50/100/150/200 Slim flood

LED floodlights, 10-200W

## Dimensions TF150/200



## Accessory

(ordered separately,  
field installed)



Mounting adapter for trunnion, fits 2-3/8" O.D. tenon, bronze finish.

## EPA and Weight

| Product               | Effective Projected Area (EPA-ft²) |         |         | Weight            |
|-----------------------|------------------------------------|---------|---------|-------------------|
|                       | 0° Aim                             | 45° Aim | 90° Aim |                   |
| TF10-NW-G1-K-FL-8-BZ  | 0.046                              | 0.109   | 0.181   | 1.21lbs (0.55kg)  |
| TF30-NW-G1-K-FL-8-BZ  | 0.083                              | 0.197   | 0.325   | 2.16lbs (0.98kg)  |
| TF50-NW-G1-K-FL-8-BZ  | 0.162                              | 0.382   | 0.630   | 3.64lbs (1.65kg)  |
| TF100-NW-G1-Y-FL-8-BZ | 0.237                              | 0.559   | 0.923   | 7.01lbs (3.18kg)  |
| TF150-NW-G1-Y-FL-8-BZ | 0.366                              | 0.863   | 1.425   | 10.93lbs (4.96kg) |
| TF200-NW-G1-Y-FL-8-BZ | 0.434                              | 1.083   | 1.805   | 13.4lbs (6.08kg)  |

# TF10/30/50/100/150/200 Slim flood

## LED floodlights, 10–200W

### LED Wattage and Lumen Values

| Ordering Codes        | Total LEDs | LED Current (mA) | Color Temp. (K) | Average System Wattage <sup>1</sup> | Lumen Output <sup>1,2</sup> | Efficacy (LPW) |
|-----------------------|------------|------------------|-----------------|-------------------------------------|-----------------------------|----------------|
| TF10-NW-G1-K-FL-8-BZ  | 12         | 100              | 4000            | 9                                   | 1089                        | 119            |
| TF30-NW-G1-K-FL-8-BZ  | 30         | 100              | 4000            | 28                                  | 3256                        | 115            |
| TF50-NW-G1-K-FL-8-BZ  | 54         | 100              | 4000            | 48                                  | 5484                        | 115            |
| TF100-NW-G1-Y-FL-8-BZ | 132        | 100              | 4000            | 100                                 | 12439                       | 125            |
| TF150-NW-G1-Y-FL-8-BZ | 196        | 100              | 4000            | 150                                 | 18682                       | 125            |
| TF200-NW-G1-Y-FL-8-BZ | 264        | 100              | 4000            | 199                                 | 24987                       | 126            |
| TF10-WW-G1-K-FL-8-BZ  | 12         | 100              | 3000            | 9                                   | 1054                        | 117            |
| TF30-WW-G1-K-FL-8-BZ  | 30         | 100              | 3000            | 28                                  | 3111                        | 111            |
| TF50-WW-G1-K-FL-8-BZ  | 54         | 100              | 3000            | 48                                  | 5081                        | 106            |
| TF10-CW-G1-K-FL-8-BZ  | 12         | 100              | 5000            | 9                                   | 1100                        | 122            |
| TF30-CW-G1-K-FL-8-BZ  | 30         | 100              | 5000            | 28                                  | 3260                        | 116            |
| TF50-CW-G1-K-FL-8-BZ  | 54         | 100              | 5000            | 48                                  | 5455                        | 114            |
| TF100-CW-G1-K-FL-8-BZ | 132        | 100              | 5000            | 100                                 | 11852                       | 119            |
| TF150-CW-G1-K-FL-8-BZ | 196        | 100              | 5000            | 150                                 | 17426                       | 116            |
| TF200-CW-G1-K-FL-8-BZ | 264        | 100              | 5000            | 199                                 | 23084                       | 116            |

1. Wattage and lumen output may vary by +/- 8% due to LED manufacturer forward volt specification and ambient temperature.

Wattage shown is average for 120V through 277V input. Actual wattage may vary by an additional +/- 10% due to actual input voltage.

2. Lumen values based on photometric tests performed in compliance with IESNA LM-79.

### Predicted Lumen Depreciation Data

Predicted performance derived from LED manufacturer's data and engineering design estimates, based on IESNA LM-80 methodology. Actual experience may vary due to field application conditions. L70 is the predicted time when LED performance depreciates to 70% of initial lumen output. Calculated per IESNA TM21-11. Published L70 hours limited to 6 times actual LED test hours.

| Ambient Temperature °C | System Current | L70 per TM21 <sup>1,2</sup> | Lumen Maintenance @ 54,000hrs |
|------------------------|----------------|-----------------------------|-------------------------------|
| 25°C                   | 4950 mA        | >76,000                     | 84%                           |

1. L<sub>70</sub> is the predicted time when LED performance depreciates to 70% of initial lumen output.

2. Calculated per IESNA TM 21-11. Published L<sub>70</sub> hours limited to 6 times actual LED test hours.

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