



The Keene 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
		NW	G1		FL	8	BZ
TF10	LED SlimFlood 10W	NW Neutral White 4000K, 80CRI	G1 Generation 1	K Knuckle (1/2" NPS male) and Yoke Mount combination	FL Flood	8 120-277VAC	BZ Bronze
TF30	LED SlimFlood 30W						
TF50	LED SlimFlood 50W						
TF100	LED SlimFlood 100W			Y Yoke Mount only			
TF150	LED SlimFlood 150W						
TF200	LED SlimFlood 200W						

- K** Knuckle Mount and Yoke Mount combination available with TF10 / TF30 / TF50.
- Y** Yoke Mount only available with TF100 / TF150 / TF200.

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 (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 for details and restrictions. Visit our eCatalog or contact your local sales representative for more information.

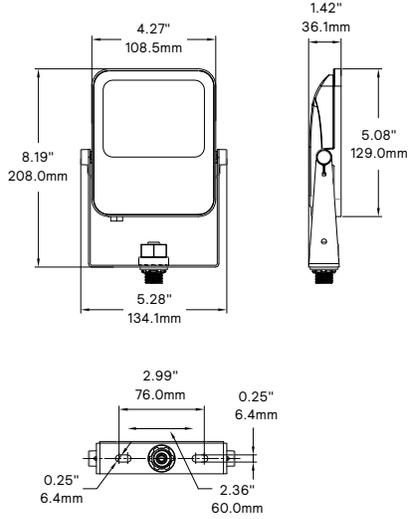


Slim flood LED

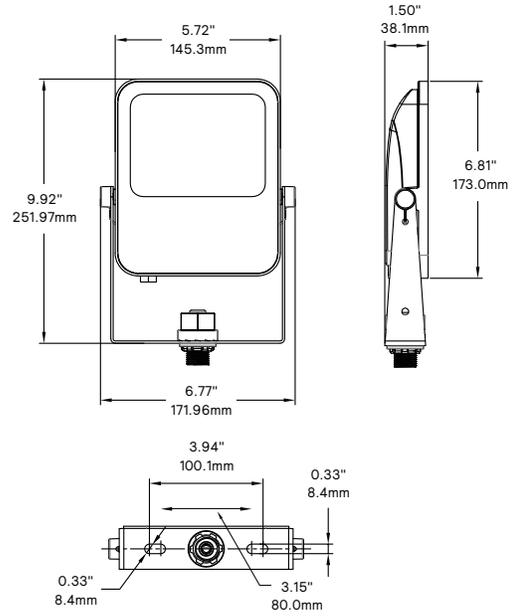
TF10/30/50/100/150/200

Dimensions TF10/30/50

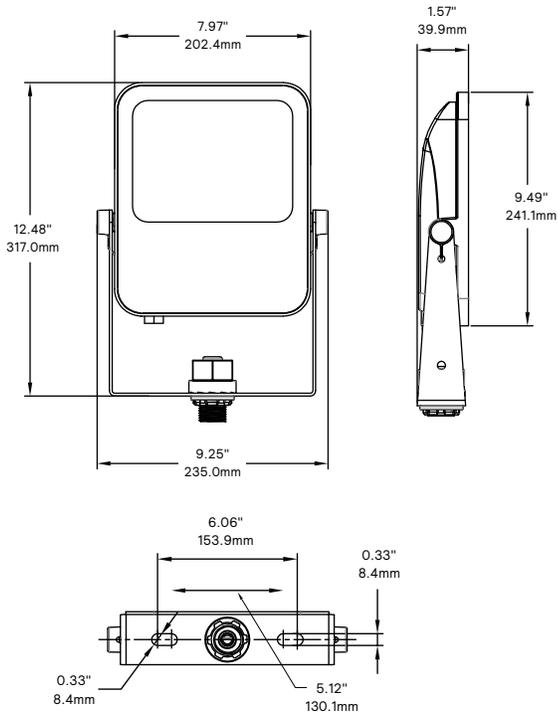
TF10



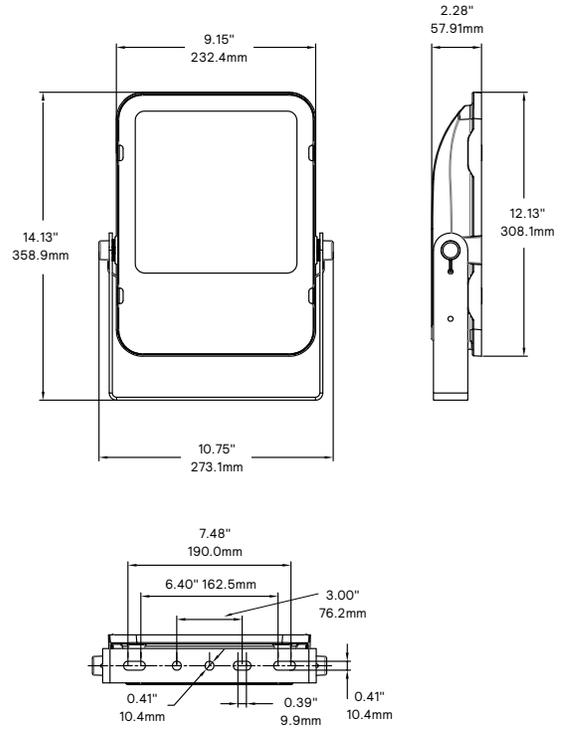
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TF50



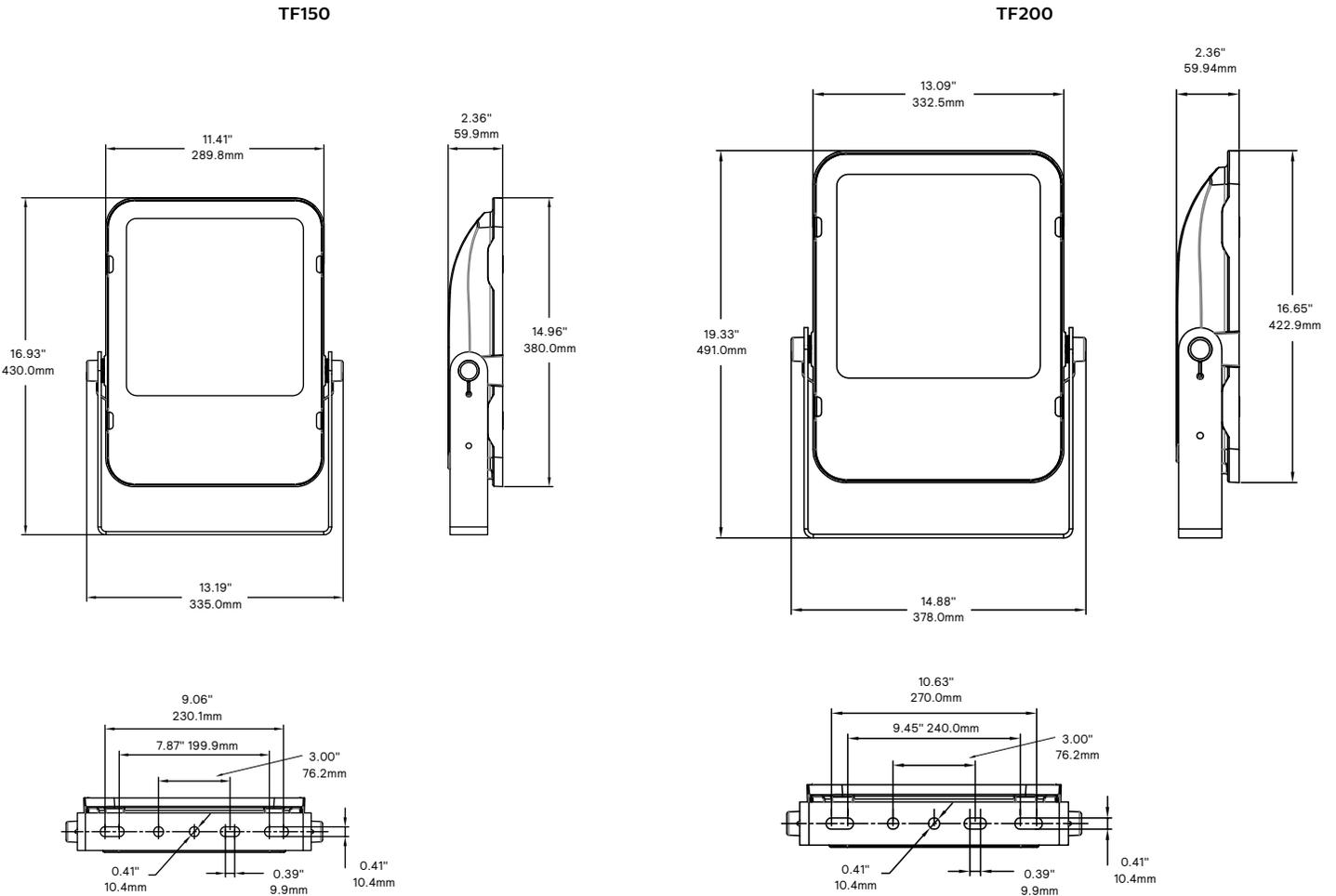
TF100



Slim flood LED

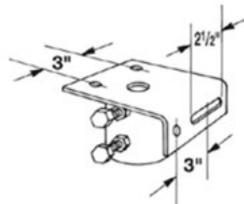
TF10/30/50/100/150/200

Dimensions TF150/200



Accessory

(ordered separately, field installed)



BT10

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

EPA and Weight

Product	Effective Projected Area (EPA-ft ²)			Weight
	0° Aim	45° Aim	90° Aim	
TF10-NW-G1-K-FL-8-BZ	0.052	0.098	0.186	1.21lbs (0.55kg)
TF30-NW-G1-K-FL-8-BZ	0.052	0.168	0.320	2.16lbs (0.98kg)
TF50-NW-G1-K-FL-8-BZ	0.101	0.075	0.143	3.64lbs (1.65kg)
TF100-NW-G1-Y-FL-8-BZ	0.170	0.475	0.905	7.01lbs (3.18kg)
TF150-NW-G1-Y-FL-8-BZ	0.216	0.719	1.370	10.93lbs (4.96kg)
TF200-NW-G1-Y-FL-8-BZ	2.441	0.904	1.721	13.4lbs (6.08kg)

Slim flood LED

TF10/30/50/100/150/200

LED Wattage and Lumen Values

Neutral White Ordering Codes	Total LEDs	LED Current (mA)	Color Temp. (K)	Average System Wattage ¹	Lumen Output ^{1,2}	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-K-FL-8-BZ	132	100	4000	100	12439	125
TF150-NW-G1-K-FL-8-BZ	196	100	4000	150	18682	125
TF200-NW-G1-K-FL-8-BZ	264	100	4000	199	24987	126

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 ^{1,2}	Lumen Maintenance @ 54,000hrs
25°C	4950 mA	>76,000	84%

1. L₇₀ is the predicted time when LED performance depreciates to 70% of initial lumen output.
2. Calculated per IESNA TM 21-11. Published L₇₀ hours limited to 6 times actual LED test hours.



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