TECHLIGHT®
INNOVATOR AND LEADER IN THE LIGHTING INDUSTRY

FRG SERIES

High Lumen LED Power Floodlight

Catalog Number	
Project	Type

SERIES	HOUSING HEIGHT	LENGTH & WIDTH	EPA	WEIGHT
FRG	7.375"	9.375" x 7.65"	0.6	13 lbs

FEATURES & SPECIFICATIONS

APPLICATION — The FRG is a high power LED flood light designed to perform and built to last. High performance optics maximize light intensity to provide consistent and uniform light patterns for a multitude of commercial, industrial or residential lighting applications.

CONSTRUCTION — The heavy duty housing is constructed of diecast aluminum. The optical assemblies are sealed in place using a silicone gasket for weather tight protection. Sealed wireway with anti-siphon leads.

FINISH — A Super Durable Polyester powder coat finish is electrostatically applied in our state of the art paint facility. Standard colors available: Black, Bronze, US Green, White. Custom colors available upon request.

OPTICAL SYSTEM — Made with a state of the art UV stabilized acrylic high performance refractive optical assemblies that use high transmissivity materials to achieve precise photometric distributions. Available in Type V Narrow, V Medium, and V Wide, and NSP beam configurations.

ELECTRICAL SYSTEM — Available in ANSI 3000K Warm White, 4000K Neutral White, or 5000K Cool White, 70 CRI min, propagated with CREE® XLamp XHP70 LED's. Available with 100-300V 50/60 Hz Class II power supply. LED's rated for over 50,000 hours at 25°C ambient temperature. 347V~480V input option available. 0-10V dimming. Built-in surge protection up to 10 kV. Built-in Active PFC Function >95%/ Full load. LED Power Supply conforms to UL8750 standards and is IP65 rated for wet locations. 0-10V dimming standard.

MOUNTING — Standard mounting option available is a 3/4" threaded knuckle mount or adjustable yoke mount with locking set screws.. A tenon mount adaptor is available for mounting onto a 2-3/8" OD tenon (See Accessories).

LISTINGS — ETL Listed. Suitable for wet locations. Meets US and Canadian safety standards. -40°C to 50°C ambient operation. RoHS Compliant.

WARRANTY — The complete luminaire is covered by a 5-year limited warranty.

ORDERING INFORMATION

Choose the bold face options for the appropriate luminaire configuration for your application and enter on the line above each fixture attribute. Accessories may be factory installed, depending on the particular accessory chosen, but still be ordered as a separate line item.

EXAMPLE:
FRG C 20L T5N 1 AM BZ DLP

FRG							
SERIES	COLOR TEMP	NOMINAL LUMENS	OPTICS	VOLTAGE	MOUNTING	FINISH	OPTIONS
	C = Cool White (5000K) **N** = Neutral White (4000K) **W** = Warm White (3000K)	**5L** = 5,000 **8L** = 8,000 **11L** = 11,000 **14L** = 14,000 **17L** = 17,000 **20L** = 20,000	**T5N** = Type V Narrow **T5M** = Type V Medium **T5W** = Type V Wide **NSP** = Narrow Spot	**1** = Multi-Volt[1] **2** = 347V-480V	**AM** = 3/4" Adjustable knuckle **YM** = Yoke Mount	**BZ** = Bronze **BK** = Black **GR** = US Green **WH** = White **SP** = Special[2]	**PCBTN** = Button Photocell 120–277V **DLP** = Dimming Leads Pulled

ACCESSORIES (Order as separate line items)

FRG3SS	Three Sided Shield
FRG4SS	Four Sided Shield
TA34T238	Tenon Adaptor for 2-3/8" OD Tenon (for use with adjustable knuckle only)
132805XX[3]	**Adjustable Stanchion Mount** w/hand hole (XX indicates finish code, BZ, BK, GR,or WH)

NOTES

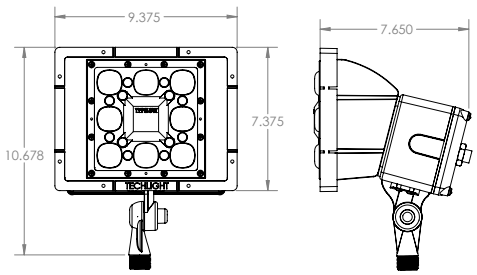
1= Multi-Volt is an auto ranging power supply from 100V to 300V input.

2= Custom RAL color matching is available. Contact your sales representative for additional info.

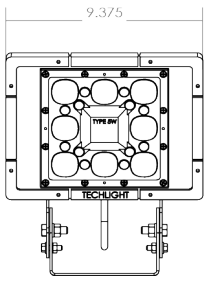
3 = **Adjustable Stanchion Mount** must be ordered with TA34T238 tenon adaptor.

AVAILABLE FIXTURE DIMENSIONS

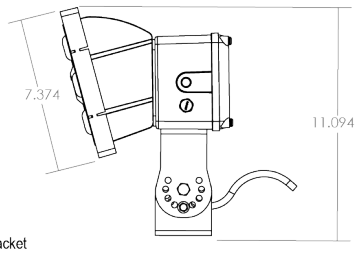
Dimensions shown are for fixture bodies only. Mounting options must be ordered separately.



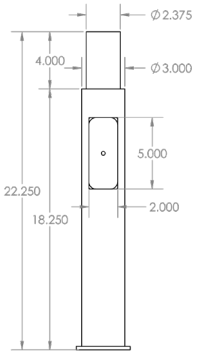
¾" - 14 NPS Male Thread Arm



1-½" x ¼ " Thick formed aluminum yoke bracket



Adjustable Stanchion Mount - Must be ordered with TA34T238 tenon adaptor.

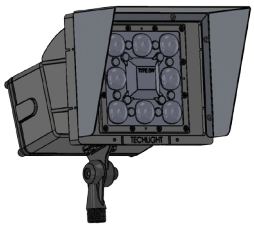


www.techlight.com

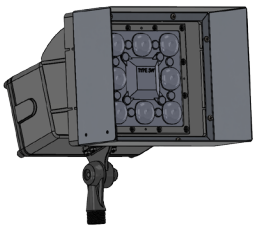
FRG High Performance Floodlight

FIXTURE & MOUNTING ACCESSORIES/OPTIONS

FRG3SS
Three Sided Shield



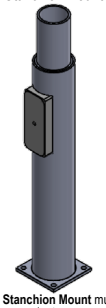
FRG4SS *Do not use for up light application.
Four Sided Shield



TA34T238
Tenon Adaptor for 2-3/8" OD Tenon

PCBTN
Button Photocell 120–277V
(Universal), Dusk-to-Dawn, Hardwired

(XX indicates finish code, BZ, BK, GR,or WH)
132805XX
Adjustable Stanchion Mount w/hand hole



Adjustable Stanchion Mount must be ordered with TA34T238 tenon adaptor.

LUMINAIRE CHARACTERISTICS

5L

Drive Current	Color Temp	Delivered Lumens				System Wattage	L70 @ 25°C	Amperage Draw			
		TYPE 5N	TYPE 5M	TYPE 5W	NSP			120V	208V	240V	277V
320 mA	Neutral White (4000K)	5071	5374	4850	5100	33W	>50K	0.28A	0.16A	0.14A	0.12A
320 mA	Cool White (5000K)	5071	5374	4850	5100	33W	>50K	0.28A	0.16A	0.14A	0.12A

8L

Drive Current	Color Temp	Delivered Lumens				System Wattage	L70 @ 25°C	Amperage Draw			
		TYPE 5N	TYPE 5M	TYPE 5W	NSP			120V	208V	240V	277V
520 mA	Neutral White (4000K)	7992	8424	7722	7975	54W	>50K	0.45A	0.26A	0.23A	0.20A
520 mA	Cool White (5000K)	7992	8424	7722	7975	54W	>50K	0.45A	0.26A	0.23A	0.20A

11L

Drive Current	Color Temp	Delivered Lumens				System Wattage	L70 @ 25°C	Amperage Draw			
		TYPE 5N	TYPE 5M	TYPE 5W	NSP			120V	208V	240V	277V
700 mA	Neutral White (4000K)	10817	11700	10488	10720	76W	>50K	0.63A	0.37A	0.32A	0.27A
700 mA	Cool White (5000K)	10817	11700	10488	10720	76W	>50K	0.63A	0.37A	0.32A	0.27A

14L

Drive Current	Color Temp	Delivered Lumens				System Wattage	L70 @ 25°C	Amperage Draw			
		TYPE 5N	TYPE 5M	TYPE 5W	NSP			120V	208V	240V	277V
950 mA	Neutral White (4000K)	14280	14890	13566	14340	102W	>50K	0.85A	0.50A	0.43A	0.37A
950 mA	Cool White (5000K)	14280	14890	13566	14340	102W	>50K	0.85A	0.50A	0.43A	0.37A

17L

Drive Current	Color Temp	Delivered Lumens				System Wattage	L70 @ 25°C	Amperage Draw			
		TYPE 5N	TYPE 5M	TYPE 5W	NSP			120V	208V	240V	277V
1200 mA	Neutral White (4000K)	17010	17625	16125	17330	126W	>50K	1.05A	0.60A	0.53A	0.45A
1200 mA	Cool White (5000K)	17010	17625	16125	17330	126W	>50K	1.05A	0.60A	0.53A	0.45A

20L

Drive Current	Color Temp	Delivered Lumens				System Wattage	L70 @ 25°C	Amperage Draw			
		TYPE 5N	TYPE 5M	TYPE 5W	NSP			120V	208V	240V	277V
1400 mA	Neutral White (4000K)	19732	20702	18680	19677	152W	>50K	1.25A	0.73A	0.63A	0.55A
1400 mA	Cool White (5000K)	19732	20702	18680	19677	152W	>50K	1.25A	0.73A	0.63A	0.55A

PROUDLY BUILT BY AMERICANS For Americans IN THE USA
Techlight supports American families making quality products everyday.

WARNING: Maintenance performed including the replacement of LED bricks while power is still supplied to the lumenaire may result in system failures and will void the warranty.

TECHLIGHT
INNOVATION IN ILLUMINATION

2009 McKenzie Drive Suite 110. I Carrollton, TX 75006 I PH: 800.225.0727 I I www.techlight.com

All dimensions and specifications are subject to change without notice.