TECHLIGHT™
INNOVATOR AND LEADER IN THE LIGHTING INDUSTRY

LPF SERIES

LED Power Flood Luminaire

Catalog Number	
Project	Type

Shown with optional S200 Shield

SERIES	HEIGHT x DEPTH x WIDTH
LPF	4.00" x 3.50" x 6.00"

FEATURES & SPECIFICATIONS

APPLICATION — The high performance luminaire is designed for applications where long life, low maintenance, and consistent color rendering is required. Various beam spreads allow for a customized finish to any property. The high end system was designed for 120V operation. The fixture can be ground, wall, or pole mounted making it versatile enough for commercial, industrial, or residential lighting applications.

CONSTRUCTION — The heavy duty housing is constructed of cast aluminum. The optical assemblies are sealed in place using a silicone gasket for weather tight protection. The housing acts as a heat sink with heat dissipating fins to maintain a cool operating LED for maximum life. The fins are independently supported to allow for unobstructed airflow. The fixture is designed to efficiently perform in any mounting orientation.

FINISH — A Super Durable Polyester powder coat finish is electrostatically applied in our state of the art paint facility. Standard colors available: Black, Bronze, OD 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 transmicity materials to achieve precise photometric distributions. Available in NEMA 2x2, 5x5 and 7x7 beam configurations.

ELECTRICAL SYSTEM — Fixture operates at 120V input voltage. Nominal open circuit current .37 amps. A 44 watt LED source provides approximately 3000 Lumens of light. System is compatible with the use of a standard triac dimmer.

NOTE: A TECHLIGHT SURGE PROTECTOR MUST BE INCORPORATED INTO THE LED SYSTEM AT THE BEGINNING OF EACH CIRCUIT AS A MINIMUM. FAILURE TO DO SO WILL VOID THE SYSTEM WARRANTY.

MOUNTING — Standard mounting option available is a ½" threaded knuckle mount. Additional mounting options may be available for custom applications.

LISTINGS — Meets US and Canadian safety standards. -40°C to 50°C ambient operation. RoHS Compliant.

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.

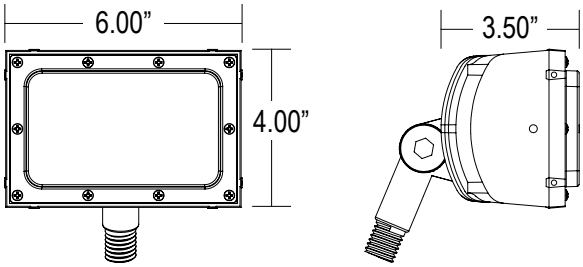
EXAMPLE:
LPF CW 8 TNS BK

LPF				
SERIES	COLOR TEMP/CCT	# LED'S	OPTICS	FINISH
	CW = Cool White (5500K) **NW** = Neutral White (4000K) **WW** = Warm White (3000K)	**8** = 8 LED	**TNS** = Narrow Spot (NEMA 2x2) **TNF** = Narrow Flood (NEMA 5x5) **TWF** = Wide Flood (NEMA 7x7)	**BZ** = Bronze **BK** = Black **GR** = OD Green **WH** = White **SP** = Special[1]

ACCESSORIES (Order as separate line items)

102552[2]	120V Surge Protector
B01	Tree Base
B03	4" Round 3 Hole Cover
P4025D	2-3/8" OD Tenon Mount Adaptor
B16-12	Palm Tree Base with 12' Strap
TLSBBJB	Brass Junction Box
LMSB	20" x 2.5" Mounting Stake (Brass)
MMSB	18" x 1" Mounting Stake (Brass)
SMSB	12" x 1" Mounting Stake (Brass)
TLHB800RCH	Digital Timer
PSJ163	16 Gauge 3 Strand Lead Wire
S200N	2-Piece Adjustable Shield
S201N	Three Sided Debris Free Shield
S202N	Four Sided Debris Free Shield

FIXTURE DIMENSIONS



NOTES

1 = Custom RAL color matching is available. Contact your sales representative for additional information.

2 = A Techlight Surge Protector must be incorporated into the LED system at the beginning of each circuit as a minimum. Failure to do so will void the system warranty.

RoHS COMPLIANT

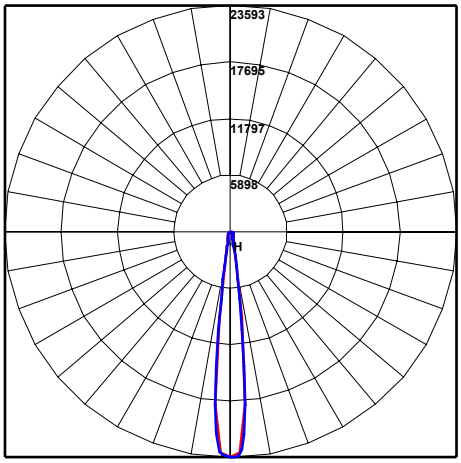
Buy American Act & the American Recovery and Reinvestment Act

All dimensions and specifications are subject to change without notice.

REV: 20260227-08

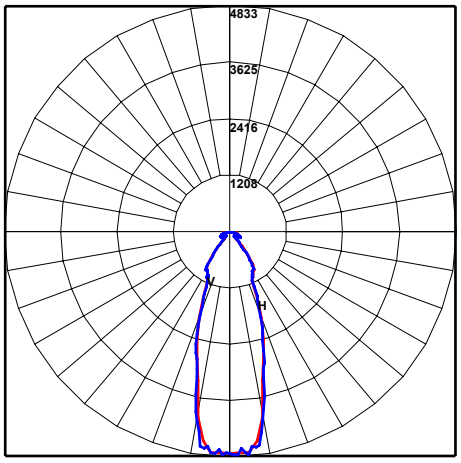
LPF LED Power Flood Luminaire

PHOTOMETRIC CHARACTERISTICS



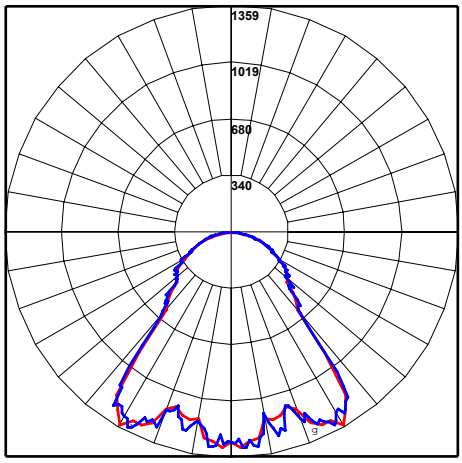
Maximum Candela = 23593.1 Located At Horizontal Angle = 0, Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela

CHARACTERISTICS
LPF LED Power Flood
LPFCW8TNS
CREE HV XM-L Cool White
Color Temperature: 5,000 K CRI: 68
Total Luminaire Lumens: 2909
Total Luminaire Watts: 44
Ballast Factor: 1.00



Maximum Candela = 4832.69 Located At Horizontal Angle = 0, Vertical Angle = 5
H - Horizontal Axial Candela
V - Vertical Axial Candela

CHARACTERISTICS
LPF LED Power Flood
LPFCW8TNF
CREE HV XM-L Cool White
Color Temperature: 5,000 K CRI: 68
Total Luminaire Lumens: 2965
Total Luminaire Watts: 44
Ballast Factor: 1.00



Maximum Candela = 1359.11 Located At Horizontal Angle = 27.5, Vertical Angle = 5
H - Horizontal Axial Candela
V - Vertical Axial Candela

CHARACTERISTICS
LPF LED Power Flood
LPFCW8TWF
CREE HV XM-L Cool White
Color Temperature: 5,000 K CRI: 68
Total Luminaire Lumens: 2909
Total Luminaire Watts: 44
Ballast Factor: 1.00

MOUNTING ACCESSORIES

B01
Tree Base

P4025D
2-3/8" OD Tenon Mount Adaptor

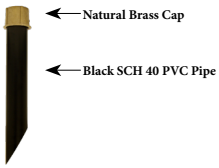
B03
4" Round 3 Hole Cover

TLSBBJB
Brass Junction Box

B16-12
Palm Tree Base with 12' Strap

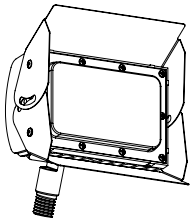
GEPTBZ
Low Profile Tree Base

SMSB, MMSB, LMSB
12" x 1" Mounting Stake (Brass)
18" x 1" Mounting Stake (Brass)
20" x 2.5" Mounting Stake (Brass)

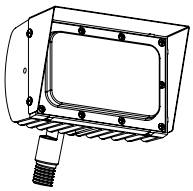


ADDITIONAL FIXTURE ACCESSORIES

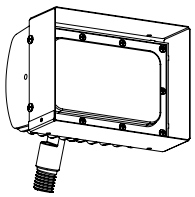
S200N
2-Piece Adjustable Shield



S201N
Three Sided Debris Free Shield



S202N
Four Sided Debris Free Shield



PSJ163
16 Gauge 3 Strand Lead Wire

102552
120V Surge Protector

TLHB800RCH
Digital Timer

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

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

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