

Project:	
Location:	
Model#: MPF150SWY-WRV-BZ	Type:
Client:	Qty:
Prepared by:	Date:

SERIES SPECIFICATIONS

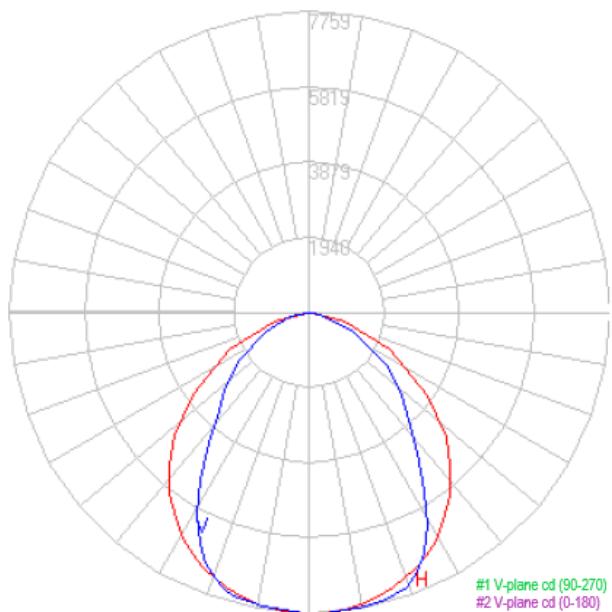


To supply Tamlite's MPF Series of Mini floodlight as specified. The luminaire shall operate at 120-347Vac and use a constant current type driver. Driver shall be suitable for 1-10Vdc dimming. The housing shall be constructed of powder-coated die-cast Aluminium with a screw down rear wiring compartment with pre-fitted IP68 stainless steel strain relief, and an impact resistant polycarbonate optic. A durable formed gasket shall be provided between the enclosure and the lens, and the wiring compartment and housing. All parts shall be corrosion resistant. LEDs shall be as specified, LUXEON® 3030 2D LED chips. The luminaire shall be cULus Listed and DLC Listed.

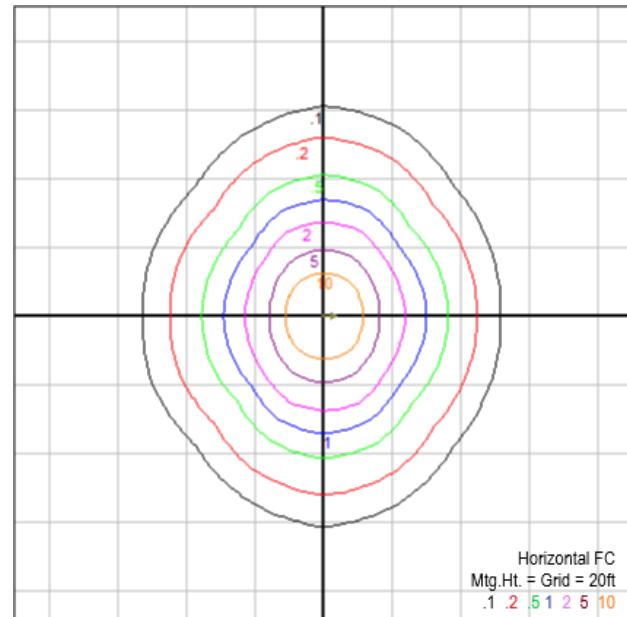


PERFORMANCE SPECIFICATIONS

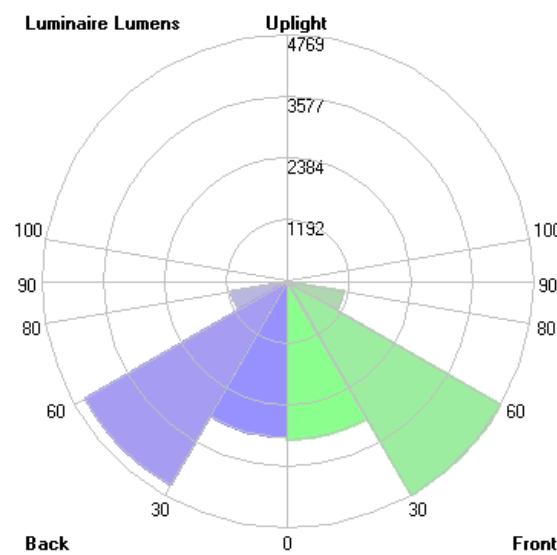
Luminance Distribution Chart



Isolux Diagram



BUG Graph



Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	3062.9	17.3	17.3
FM (30-60)	4768.8	27.0	27.0
FH (60-80)	1106.8	6.3	6.3
FVH (80-90)	30.0	0.2	0.2
BL (0-30)	3012.7	17.0	17.0
BM (30-60)	4546.3	25.7	25.7
BH (60-80)	1103.1	6.2	6.2
BVH (80-90)	52.2	0.3	0.3
UL (90-100)	0.0	0.0	0.0
UH (100-180)	0.0	0.0	0.0
Total	17682.8	100.0	100.0
BUG Rating	B4-U0-G3		

Initial Lumen Output: 17682lm

CBCP: 7758 CD

Luminaire Type: Direct - Type II Very Short

UL Classification: Wet Location Listed

DLC Number: S-FR8149

Efficacy: 117lm/W

NEMA Type: 7H x 7V

BUG Rating: B4-U0-G3

Ambient Operating Temp: -40C to +40C

CCN Number: IFAM7.E359675

Max Candela: 7758 CD

Beam Angle: 107H / 81V

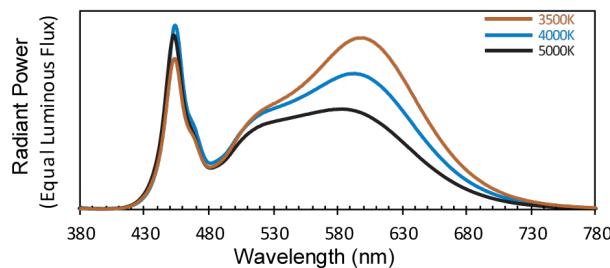
Environmental Rating(s): IP65

Certification Standards: UL Safety US-CA, DLC Premium

Limited Product Warranty: 5 Year(s)

LED SPECIFICATIONS

SPD



Source Type: LED

CRI: > 70

Chromaticity: x=0.34718 y=0.35326

Manufacturer: Lumileds®

L70: >90000 Hrs

Duv: 0.005

Part Number: L128-XX70RB35000A1

Colour Temperature: 3000K, 4000K, 5000K

ELECTRICAL SPECIFICATIONS

Driver Manufacturer: TOWIN®

Input Frequency: 50-60Hz

Auxiliary Control:

THD @ 120Vac(%): <10%

Max Operating Case Temperature: 85C

Short Circuit Protection: Auto Recovery.

The output shall return to normal after the fault condition is removed.

Driver Part Number: DF120W-40C2450B

Fixture Draw: 152.9W

Power Factor @ 120Vac: >.90

THD @ 277Vac(%): <10%

Dimming: 0-10Vdc, (0% Min Light Level)

Driver Certifications: c-RU-us Class 2,

FCC Part 15 Class B, RoHS

Input Voltage: 120~277Vac

Max On-Delay: < 1 S

Power Factor @ 277Vac: >.90

Driver MTBF: 50,000hrs

Over Temperature Protection: Decreases output current, returning to normal after over temperature is removed.

PHYSICAL SPECIFICATIONS

Finish Colour: Bronze (RAL-8019)

Mounting: Yoke Mount

Lens Type: Clear Optics

Finish Type: Textured powder coat over chromate conversion coat

Housing Material: ADC12 Aluminium

Entries: Stainless Steel Strain Relief

Wiring: 6' 18-3 SJTW Cord Whip

Lens Material: PMMA

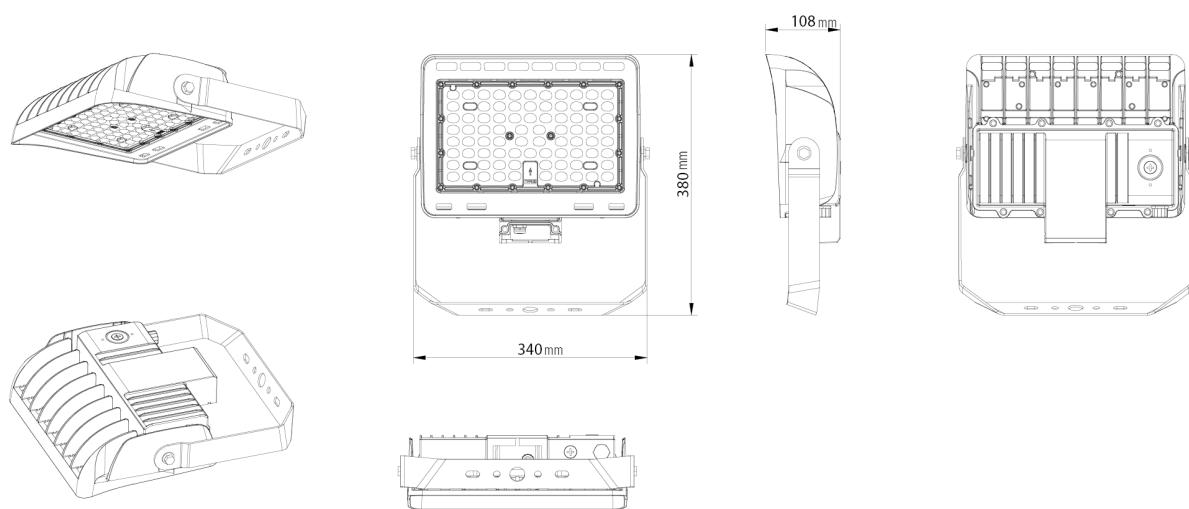
SHIPPING INFORMATION

OrderingCode(s): MPF150SWY-WRV-BZ

Box Quantity: 1

LINE DRAWING

Line Drawings



SERIES ARCHITECTURE

Series Architecture

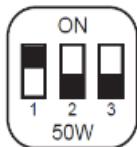
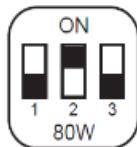
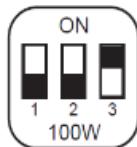
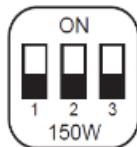
MPF

Part	Wattage	CCT	Mounting	Voltage	Finish
MPF	20	20W SW Selectable White	Y Yoke Mount K 1/2" Threaded Knuckle	UNV 120~277VAC	BZ Bronze
	50	50W 3K, 4K, 5K		WRV 120~347VAC	BK Black
	150	150W			WH White CC Custom Colour

Wattage / Lumens

CCT	150W	100W	80W	50W
5000K	17979 lm	11986 lm	9588.8 lm	5993 lm
4000K	17643 lm	11762 lm	9409.6 lm	5881 lm
3000K	17682 lm	11788 lm	9430.4 lm	5894 lm

Wattage Select DIP Switch (Included on Model Type G)



*DIP Switch is white. Keep cover on for waterproof.

3-In-1 Control Switch (Included on Model Type C and F)

