

Project:	
Location:	
Model#: MPF1003KY-UNV-BK	Type:
Client:	Qty:
Prepared by:	Date:

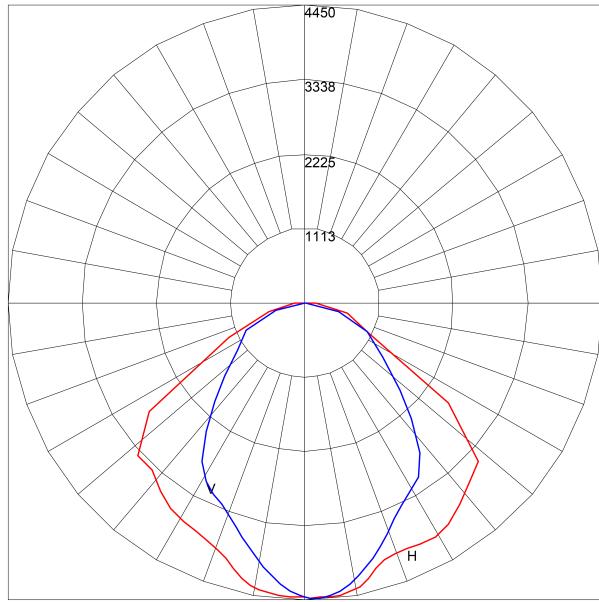
SERIES SPECIFICATIONS



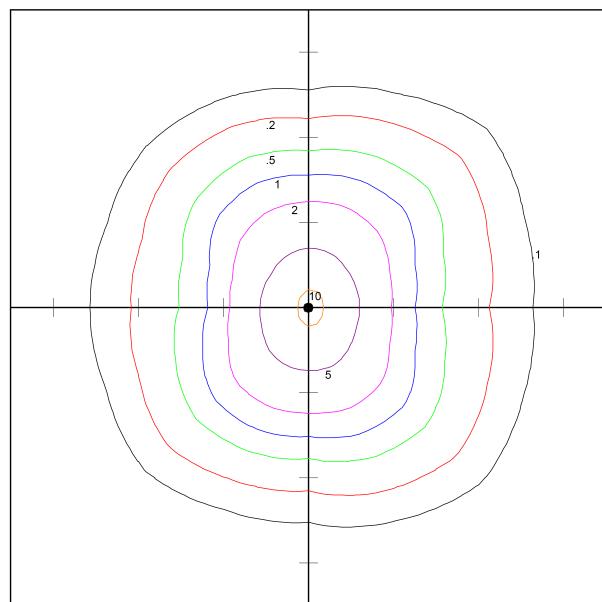
To supply Tamlite's MPF Series of Mini floodlight as specified. The luminaire shall operate at 120-277Vac and use a constant current type driver. The housing shall be constructed of powder-coated die-cast Aluminium with a screw down rear wiring compartment with pre-fitted IP68 stainless steel strain 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

Maximum Candela = 4450.26 Located At Horizontal Angle = 1, Vertical Angle = 3
 H - Horizontal Axial Candela
 V - Vertical Axial Candela

Isolux Diagram

Tamlite Lighting
 by Tamco Group Canada
 10 Perdue Crt. Caledon, ON
 MPF1004KY-UNV-ZZ
 100W LED MINI FLOODLIGHT

Horizontal Footcandles
 Scale: 1 Inch = 20 Ft.
 Light Loss Factor = 1.00
 Lumens Per Lamp = N.A. (absolute photometry)
 Luminaire Lumens = 11744
 Mounting Height = 20.00 Ft
 Maximum Calculated Value = 11.04 Fc
 Arrangement: Single

Zonal Lumen Summary

ZONE	LUMENS	ZONE	LUMENS	ZONE	LUMENS	ZONE	LUMENS	ZONE	LUMENS
0-10	411.82	40-50	2254.52	80-90	132.23	120-130	4.22	160-170	2.02
10-20	1114.65	50-60	2100.62	90-100	0.89	130-140	4.22	170-180	0.83
20-30	1644.74	60-70	1355.72	100-110	1.81	140-150	3.64	--	--
30-40	2078.01	70-80	628.25	110-120	3.26	150-160	3.03	--	--

Initial Lumen Output: 12316lm

NEMA Type: 7H x 6V

Environmental Rating(s): IP65

Certification Standards: UL Safety US-CA

Efficacy: 124.4lm/W

Beam Angle: 100 deg

UL Classification: Wet Location Listed

CCN Number: IFAM7.E359675

CBCP: 4418cd

Luminaire Type: Direct - Type II Very Short

Ambient Operating Temp: -40C to +40C

Limited Product Warranty: 5 Year(s)

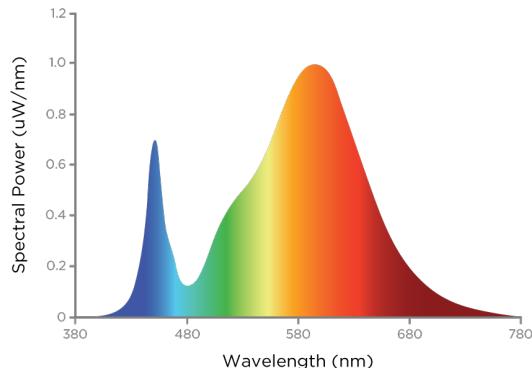
LED SPECIFICATIONS

R Tables

R1	82
R2	90
R3	97
R4	82
R5	82
R6	88
R7	84
R8	62

R9	11
R10	78
R11	81
R12	71
R13	84
R14	99
R15	75
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SPD



Source Type: LED

CRI: >70

Chromaticity: x=0.43210 y=0.40236

Manufacturer: Lumileds®

L70: 54000 Hrs

Duv: 0.005

Part Number: LUXEON 3030 2D

Colour Temperature: 3000K

ELECTRICAL SPECIFICATIONS

Driver Manufacturer: TOWIN®
Input Frequency: 50-60Hz
Current Draw @ 277Vac: 0.4026
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: 99.2W
Inrush Current: 30A
Power Factor @ 120Vac: >.90
THD @ 277Vac(%): <10%
Dimming: Not Suitable for Dimming
Driver Certifications: c-RU-us Class 2, FCC Part 15 Class B, RoHS

Input Voltage: 120~277Vac
Current Draw @ 120Vac: 0.8371
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: Black (RAL-9011)
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

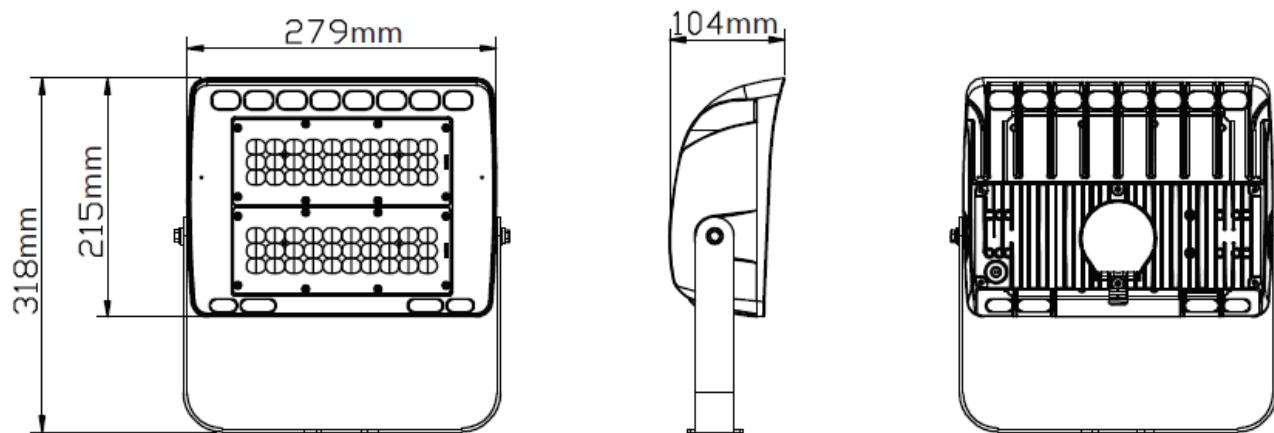
SHIPPING INFORMATION

OrderingCode(s): MPF1003KY-UNV-BK

Box Quantity: 1

LINE DRAWING

Line Drawings



SERIES ARCHITECTURE

Series Architecture

MPF

Part	Wattage	CCT	Mounting	Voltage	Finish
MPF	12	12W	30K 3000K	Y Yoke Mount	UNV 120-277VAC
	30	30W	40K 4000K	K 1/2" Threaded Knuckle	UN4 347VAC
	50	50W	50K 5000K	S Slip Fitter (2-3/8" O.D.)	WH White
	80	80W			CC Custom Colour
	100	100W			