

Project:	
Location:	
Model#: MPF1003KY-UNV-BK	Туре:
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.













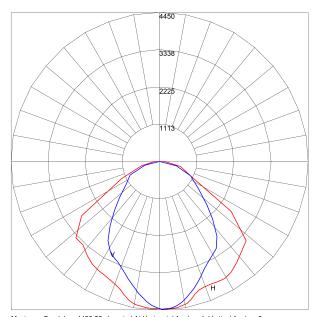






PERFORMANCE SPECIFICATIONS

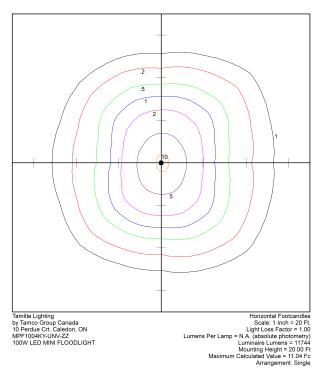
Luminance Distribution Chart



Maximum Candela = 4450.26 Located At Horizontal Angle = 1, Vertical Angle = 3

H - Horizontal Axial Candela V - Vertical Axial Candela

Isolux Diagram





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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-

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)

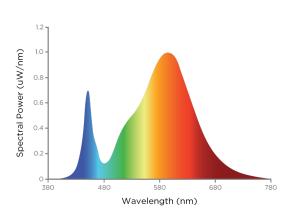
LED SPECIFICATIONS

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

SPD



Source Type: LED

CRI: >70

Chromaticity: x=0.43210 y=0.40236

Manufacturer: Lumileds®

L70: 54000 Hrs **Duv:** 0.005

Colour Temperature: 3000K

Part Number: LUXEON 3030 2D



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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

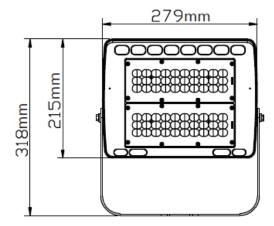
SHIPPING INFORMATION

OrderingCode(s): MPF1003KY-UNV-BK

Box Quantity: 1

LINE DRAWING

Line Drawings









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SERIES ARCHITECTURE

MPF -

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