

Project:	
Location:	
Model#: MPF1003KS-UN4-BZ	Type:
Client:	Qty:
Prepared by:	Date:

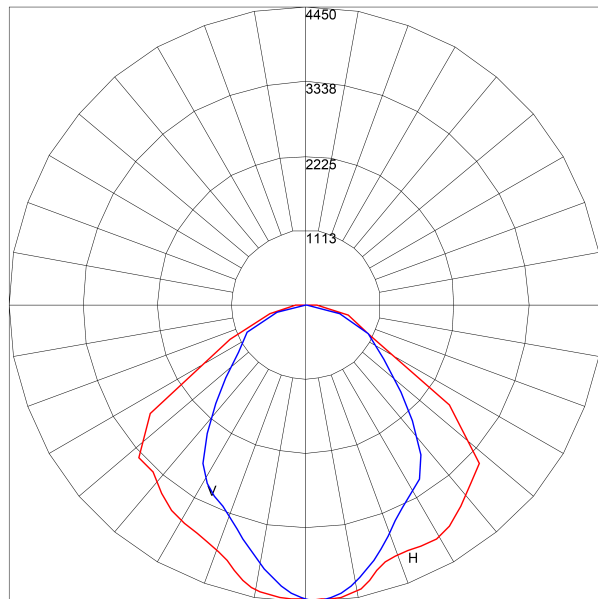
## SERIES SPECIFICATIONS

To supply Tamlite's MPF Series of Mini floodlight as specified. The luminaire shall operate at 347-480Vac 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.



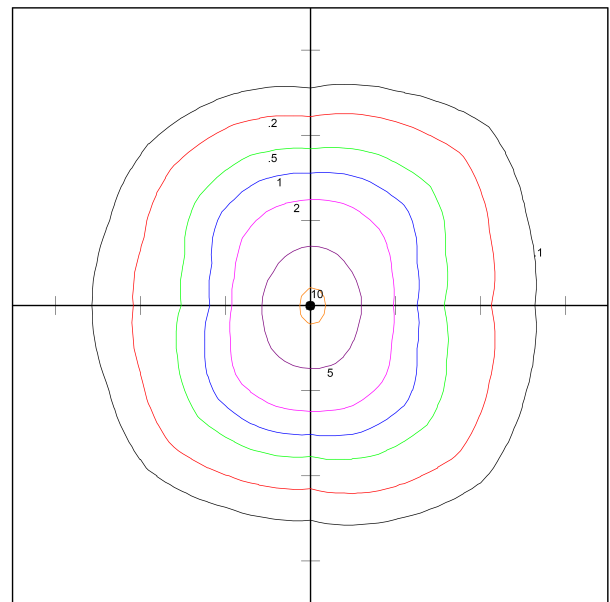
## PERFORMANCE SPECIFICATIONS

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



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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:** 12236lm

**NEMA Type:** 7H x 6V

**Environmental Rating(s):** IP65

**Certification Standards:** UL Safety US-CA

**Efficacy:** 123lm/W

**Beam Angle:** 100 deg

**UL Classification:** Wet Location Listed

**CCN Number:** IFAM7.E359675

**CBCP:** 4239cd

**Luminaire Type:** Direct - Type II Very Short

**Ambient Operating Temp:** -40C to +40C

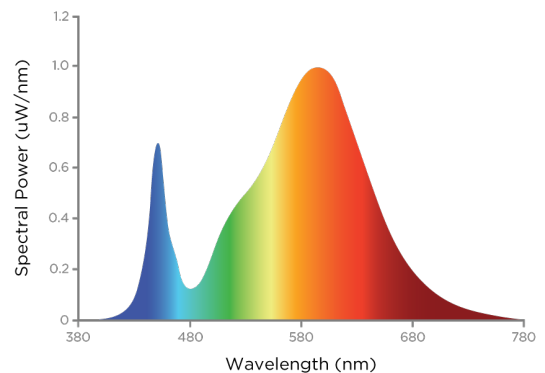
**Limited Product Warranty:** 5 Year(s)

#### LED SPECIFICATIONS

##### R Tables

R1	82	R9	11
R2	90	R10	78
R3	97	R11	81
R4	82	R12	71
R5	82	R13	84
R6	88	R14	99
R7	84	R15	75
R8	62	--	--

##### 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



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#### ELECTRICAL SPECIFICATIONS

**Driver Manufacturer:** Inventronics®

**Input Frequency:** 50-60Hz

**Inrush Current:** 2.17 A2S

**Power Factor @347Vac:** >.90

**Max Operating Case Temperature:** 85C

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

**Driver Part Number:** ESD-096S360DT

**Fixture Draw:** 99.2W

**Max On-Delay:** < 2 S

**THD @347Vac(%):** <15%

**Dimming:** Not Suitable for Dimming

**Short Circuit Protection:** Auto Recovery.  
The output shall return to normal after the fault condition is removed.

**Input Voltage:** 347Vac

**Current Draw@347Vac:** 0.2123

**Auxiliary Control:**

**Driver MTBF:** 103,000hrs

**Dimming Current mA:** .5mA draw

**Driver Certifications:** c-RU-us Class 2,  
FCC Part 15 Class B, RoHS

#### PHYSICAL SPECIFICATIONS

**Finish Colour:** Bronze (RAL-8019)

**Housing Material:** ADC12 Aluminium

**Entries:** Gasketed Wire Entry

**Wiring:** 6' 18-3 SJTW Cord Whip

**Lens Material:** PMMA

**Mounting:** 2.375" O.D. Tenon

**Lens Type:** Clear Optics

#### SHIPPING INFORMATION

**OrderingCode(s):** MPF1003KS-UN4-BZ

**Box Quantity:** 1

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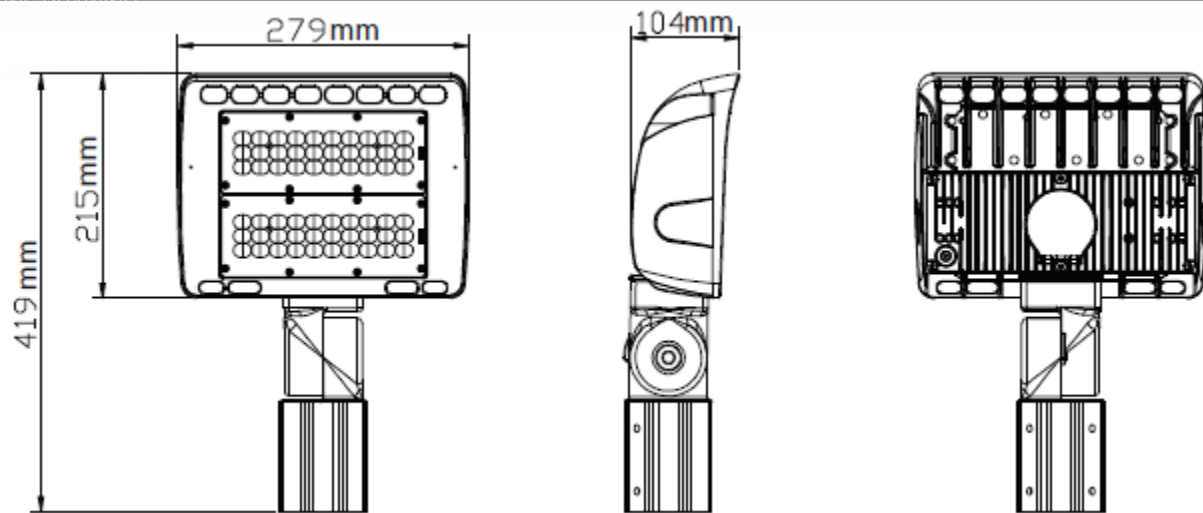
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## LINE DRAWING



## SERIES ARCHITECTURE

### MPF -

Part	Wattage		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								