

Project:	
Location:	
Model#: MPF1005KY-UN4-BZ	Type:
Client:	Qty:
Prepared by:	Date:

## SERIES SPECIFICATIONS

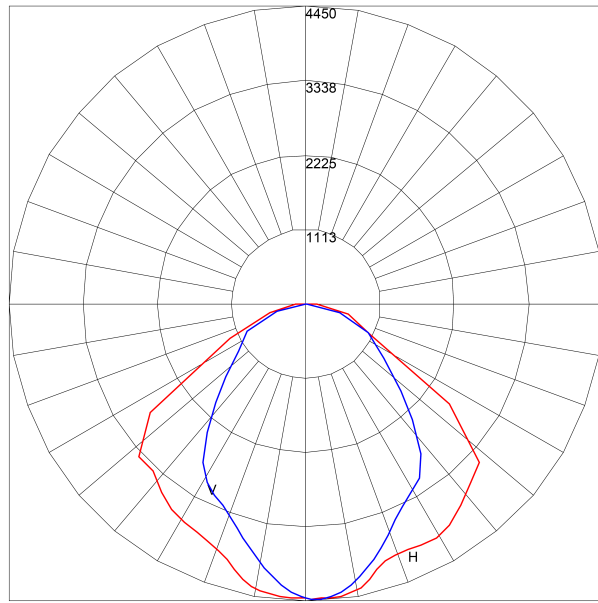


To supply Tamlite's MPF Series of Mini floodlight as specified. The luminaire shall operate at 347-480Vac and use a constant current type driver. The housing shall be constructed of powder-coated die-cast Aluminium with a screw down rear wiring compartment with pre-fitted IP68 stainless steel strain 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.



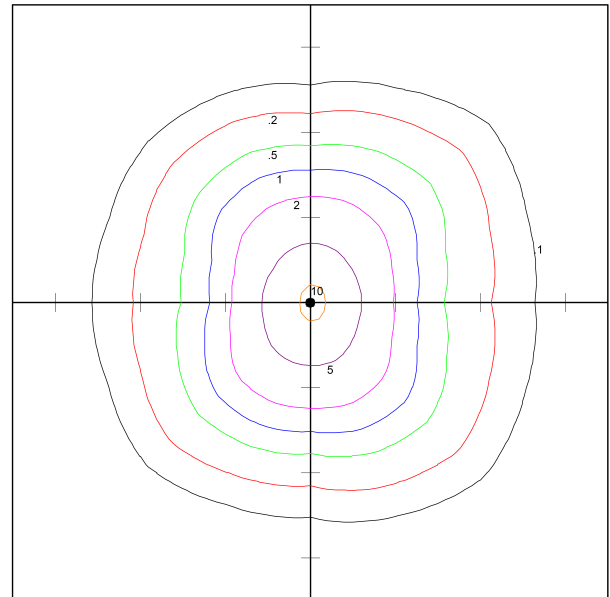
## PERFORMANCE SPECIFICATIONS

## 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:** 12236lm

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

**Environmental Rating(s):** IP65

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

, DLC

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

**Efficacy:** 123lm/W

**Beam Angle:** 100 deg

**UL Classification:** Wet Location Listed

**DLC Number:** PFS6HVP7

**CBCP:** 4239cd

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

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

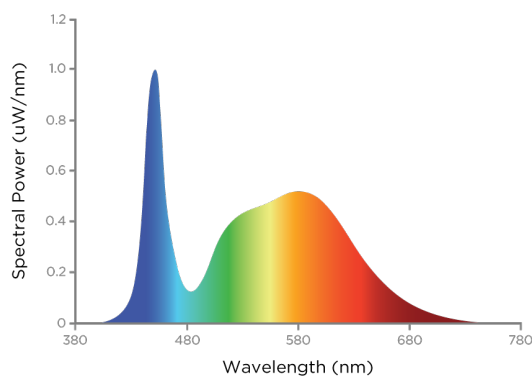
**CCN Number:** IFAM7.E359675

## LED SPECIFICATIONS

### R Tables

R1	80	R9	5
R2	88	R10	71
R3	93	R11	80
R4	81	R12	58
R5	81	R13	83
R6	83	R14	96
R7	87	R15	75
R8	66	--	--

### SPD



**Source Type:** LED

**CRI:** > 80

**Chromaticity:** x=0.34718 y=0.35326

**Manufacturer:** Lumileds®

**L70:** 54000 Hrs

**Duv:** 0.005

**Part Number:** LUXEON 3030 2D

**Colour Temperature:** 5000K

## ELECTRICAL SPECIFICATIONS

**Driver Manufacturer:** Inventronics®

**Input Frequency:** 50-60Hz

**Inrush Current:** 2.17 A2S

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

**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:** ESD-096S360DT

**Fixture Draw:** 99.2W

**Max On-Delay:** 2 S

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

**Dimming:** Not Suitable for Dimming

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

**Input Voltage:** 347Vac

**Current Draw@347Vac:** 0.2123

**Auxiliary Control:**

**Driver MTBF:** 103,000hrs

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

## PHOTOCELL SENSOR INFORMATION

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

## EMERGENCY INFORMATION

**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

**Mounting:** Yoke Mount

**Lens Type:** Clear Optics

## 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):** MPF1005KY-UN4-BZ

**Box Quantity:** 1

## LINE DRAWING

### Line Drawings

