



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

**SERIES SPECIFICATIONS**

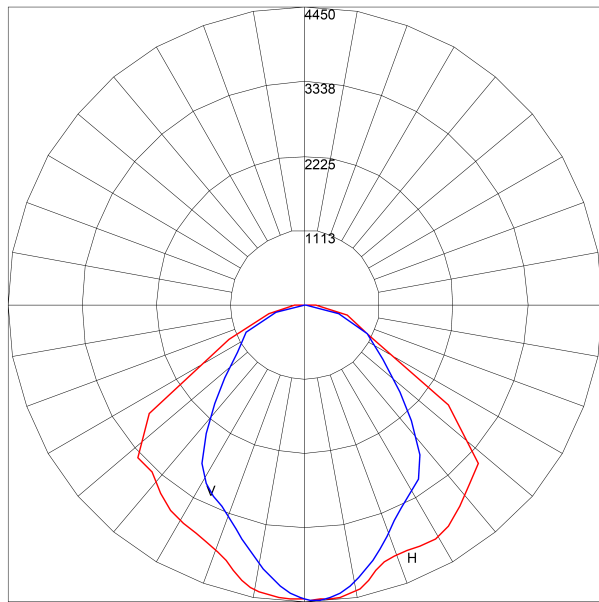


To supply TamLite's MPF Series of Mini floodlight as specified. The luminaire shall operate at 120-277Vac and use a constant current type driver. The housing shall be constructed of powder-coated die-cast Aluminium with a screw down rear wiring compartment with pre-fitted IP68 stainless steel strain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



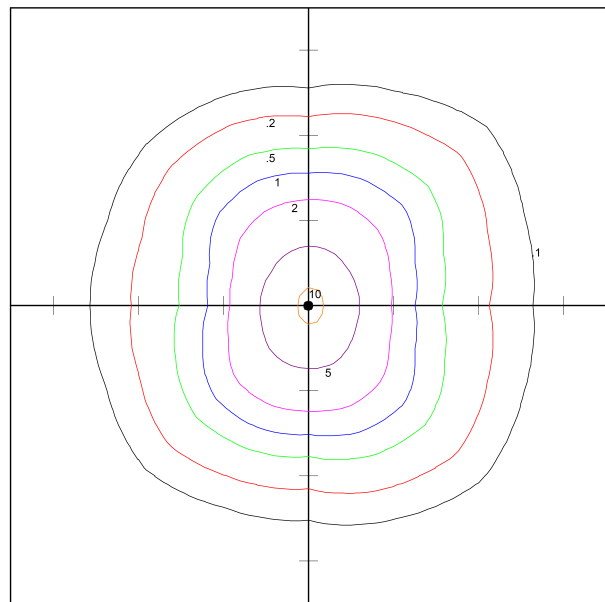
**PERFORMANCE SPECIFICATIONS**

**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

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

### 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

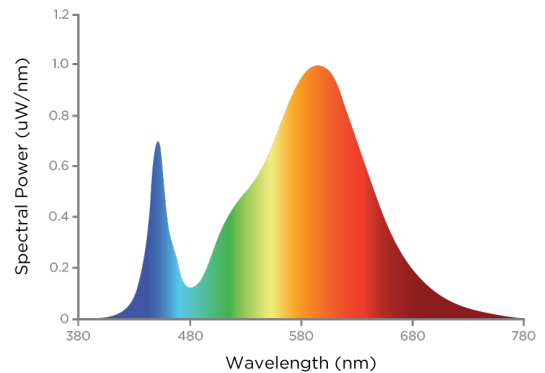
**Limited Product Warranty:** 5 Year(s)

## LED SPECIFICATIONS

### R Tables

|    |    |     |    |
|----|----|-----|----|
| R1 | 82 | 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

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

### 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

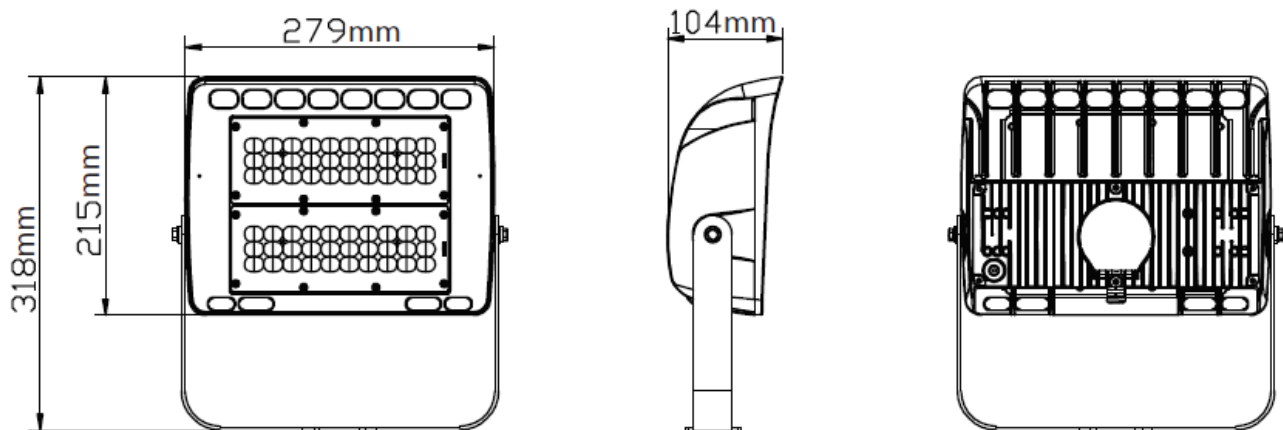
### SHIPPING INFORMATION

**OrderingCode(s):** MPF1003KY-UNV-BK

**Box Quantity:** 1

### LINE DRAWING

#### Line Drawings





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

SERIES ARCHITECTURE

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 |     |       |          |                           |         |            |        |               |