

Project:	
Location:	
Model#: FLX1003KP-UNV-BZ	Type:
Client:	Qty:
Prepared by:	Date:

## SERIES SPECIFICATIONS

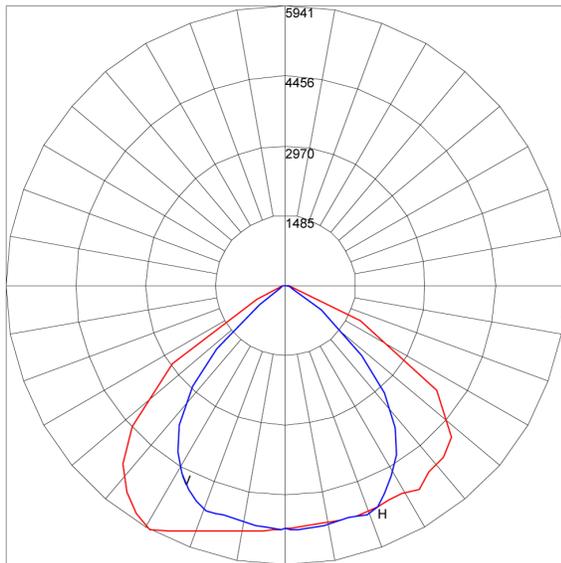


To supply TamLite's FLX Series of LED floodlights as specified. The luminaire shall operate at 120-277Vac and use a constant current type driver. Driver shall be dimmable by 1-10Vdc control. The housing shall be constructed of powder-coated die-cast Aluminium with a screw down rear wiring compartment with pre-fitted IP68 stainless steel strain relief with 6ft cab tire, and an impact resistant PMMA Optic. A durable formed gasket shall be provided between the enclosure and the lens, and the wiring compartment and housing. The reflector shall be made of highly specular material and contoured to maximize light output efficiency. All parts shall be corrosion resistant. LEDs shall be as specified, LUXEON® 3030 2D LED chips. The luminaire shall be cULus and DLC Listed.



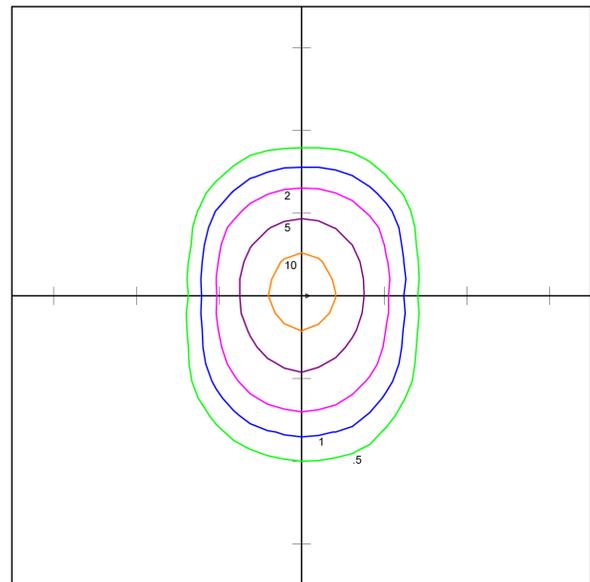
## PERFORMANCE SPECIFICATIONS

Luminance Distribution Chart



Maximum Candela = 5940.872 Located At Horizontal Angle = -29, Vertical Angle = 0  
H - Horizontal Axial Candela  
V - Vertical Axial Candela

Isolux Diagram



TAMLITE LIGHTING  
CALEDON, ONTARIO  
TAMLITE 100W LED SQ FLOOD LIGHT LUMINAIRE  
FLX100XKY-UNV-ZZ  
Horizontal Footcandles  
Scale: 1 Inch = 20 Ft  
Light Loss Factor = 1.00  
Lumens Per Lamp = N.A. (absolute photometry)  
Luminaire Lumens = 13177  
Mounting Height = 20.00 Ft  
Maximum Calculated Value = 12.94 Fc  
Arrangement: Single

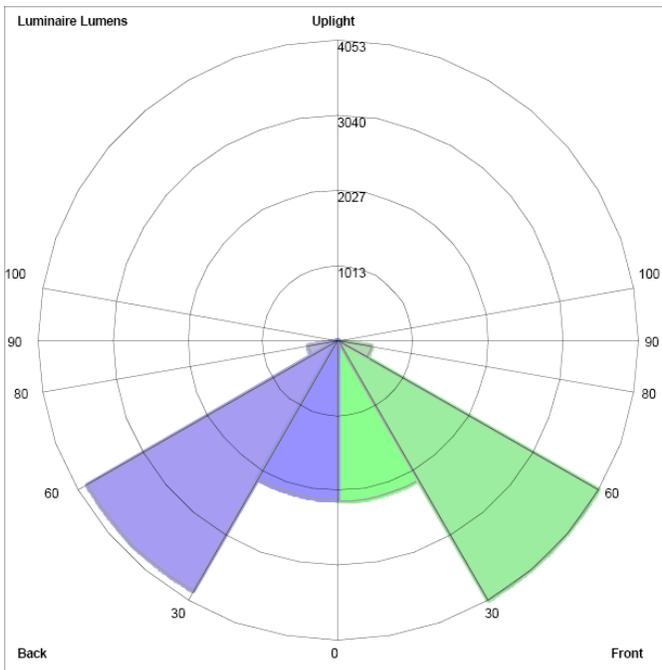


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**Zonal Lumen Summary**

ZONE	LUMENS	ZONE	LUMENS	ZONE	LUMENS	ZONE	LUMENS	ZONE	LUMENS
0-10	493.59	40-50	2949.66	80-90	21.22	120-130	0.00	160-170	0.00
10-20	1462.49	50-60	2057.08	90-100	0.00	130-140	0.00	170-180	0.00
20-30	2378.19	60-70	741.39	100-110	0.00	140-150	0.00	--	--
30-40	2957.33	70-80	116.02	110-120	0.00	150-160	0.00	--	--

**BUG Graph**



**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	2178.7	N.A.	16.5
FM - Front-Medium (30-60)	4053.4	N.A.	30.8
FH - Front-High (60-80)	453.6	N.A.	3.4
FVH - Front-Very High (80-90)	11.8	N.A.	0.1
BL - Back-Low (0-30)	2155.6	N.A.	16.4
BM - Back-Medium (30-60)	3910.7	N.A.	29.7
BH - Back-High (60-80)	403.8	N.A.	3.1
BVH - Back-Very High (80-90)	9.4	N.A.	0.1
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
<b>Total</b>	<b>13177.0</b>	<b>N.A.</b>	<b>100.0</b>
<b>BUG Rating</b>	<b>B3-U0-G1</b>		

Luminaire Lumens:  
 Front: Low=2178.7, Medium=4053.4, High=453.6, Very High=11.8  
 Back: Low=2155.6, Medium=3910.7, High=403.8, Very High=9.4  
 Uplight: Low=0.0, High=0.0

**Initial Lumen Output:** 13,072lm  
**CBCP:** 5,175cd  
**BUG Rating:** B3-U0-G1  
**Ambient Operating Temp:** -40C to +40C  
**CCN Number:** IFAM7.E359675

**Efficacy:** 132.48lm/W  
**NEMA Type:** 7H x 6V  
**Environmental Rating(s):** IP65  
**Certification Standards:** UL Safety US-CA  
 , DLC  
**Limited Product Warranty:** 5 Year(s)

**Max Candela:** 5,940cd  
**Luminaire Type:** Flood Light  
**UL Classification:** Wet Location Listed  
**DLC Number:** PLK1LDD6TXKG

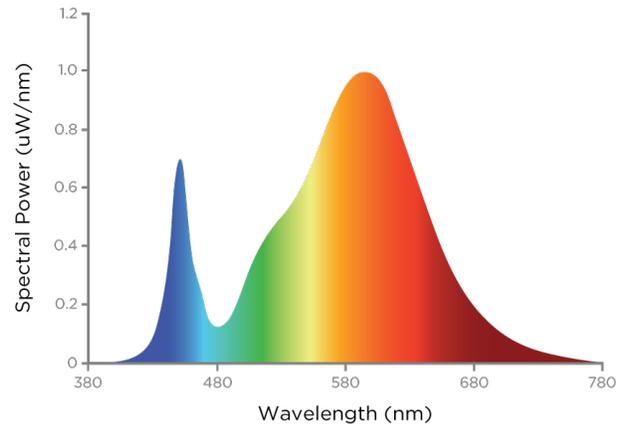
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## LED SPECIFICATIONS

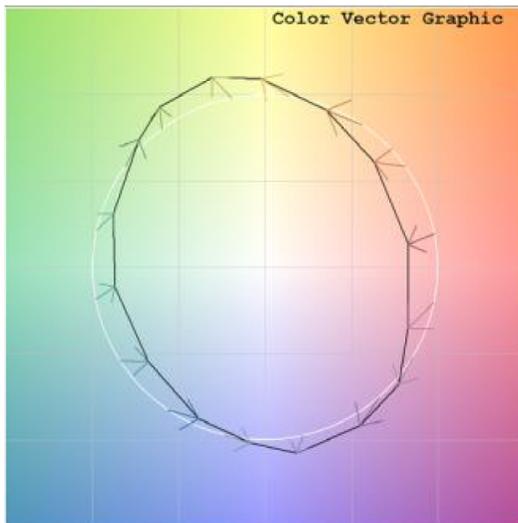
### R Tables

R1	69	R9	0
R2	82	R10	58
R3	93	R11	62
R4	68	R12	49
R5	68	R13	71
R6	74	R14	96
R7	78	R15	62
R8	46	--	--

### SPD



### TM-30



**Source Type:** LED

**CRI:** >70

**L70:** 50000 Hrs.

**Chromaticity:** x=0.4340 y=0.4055

**Manufacturer:** Lumileds®

**Rf:** 70

**L90:** 36,000 Hrs.

**Duv:** 0.005

**Part Number:** LUXEON 3030 2D

**Rg:** 96

**Colour Temperature:** 3000K



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### ELECTRICAL SPECIFICATIONS

**Driver Manufacturer:** TOWIN®  
**Input Frequency:** 50/60 hz  
**Current Draw at 277Vac:** 0.36  
**Power Factor at 120Vac:** > 0.90  
**THD at 277Vac(%):** < 15%  
**Surge Suppression:** 4kV  
**Over Temperature Protection:** Auto recovery. Current returns to normal after over temperature is removed.

**Driver Part Number:** DF120W-40C3000  
**Fixture Draw:** 96.37W  
**Inrush Current:** 30A  
**Power Factor at 347Vac:**  
**Driver MTBF:** 200,000 hrs  
**Dimming:** 0-10Vdc, (0% Min Light Level)  
**Short Circuit Protection:** Auto recovery. The output shall return to normal when the fault condition is removed.

**Input Voltage:** 120-277Vac  
**Current Draw at 120Vac:** 0.82  
**Max On-Delay:** < 1 S  
**THD at 120Vac(%):** < 10%  
**Max Operating Case Temperature:** 85C  
**Dimming Current mA:** 0.1  
**Driver Certifications:** c-RU-us Class 2, FCC Part 15 Class B, RoHS

### PHYSICAL SPECIFICATIONS

**Finish Colour:** Bronze (RAL-8019)  
**Mounting:** Square Pole  
**Lens Type:** Clear Optics

**Finish Type:** Textured powder coat over chromate conversion coat  
**Housing Material:** ADC12 Aluminium  
**EPA:** 0.357 ft2 Horizontal

**Wiring:** 6' 18-3 SJTW Cord Whip  
**Lens Material:** PMMA  
**Entries:** Stainless Steel Strain Relief

### SHIPPING INFORMATION

**OrderingCode(s):** FLX1003KP-UNV-BZ  
**Box Weight:** 5.82 kg

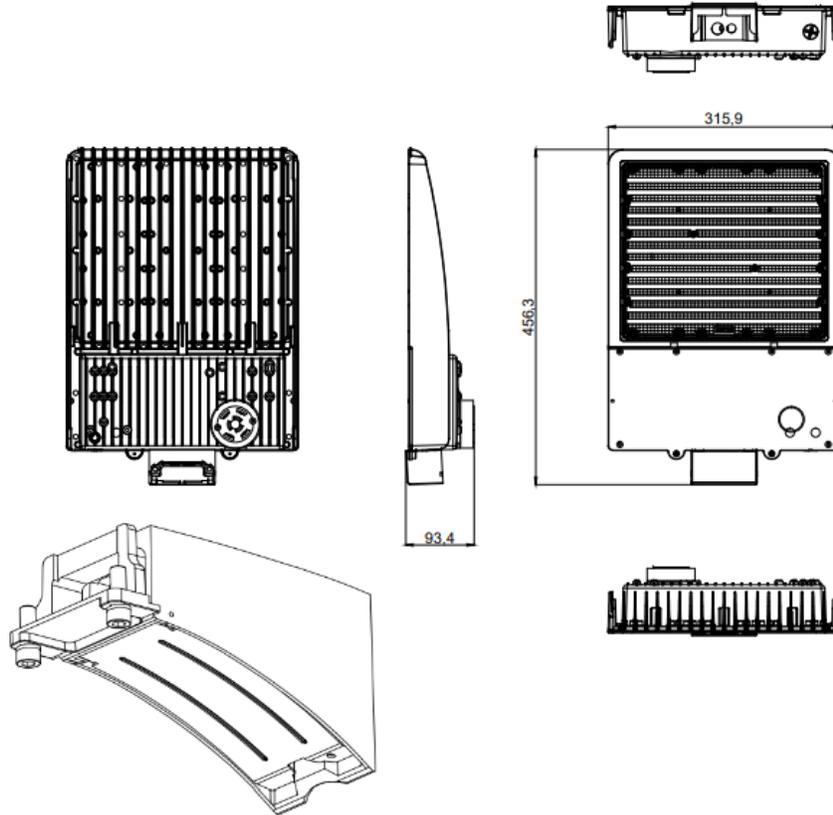
**Box Quantity:** 1

**Box Dimensions (L-W-H):** 645 x 360 x 125 mm

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LINE DRAWING

Line Drawings



FLX-PA Ordered and shipped separately

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SERIES ARCHITECTURE

Series Architecture

FLX - - - - -

Part	Wattage		CCT		Mounting		Voltage	Finish	
FLX	150	150W	SW	Selectable White	P	Pole Arm	WRV 120-347VAC	BZ	Bronze*
	400	400W		3K, 4K, 5K	S	Slip fitter (2-3/8" O.D.)			
					T	Trunnion*			

\*Small Trunion; 100-150W. Large Trunion; 230-400W

\*Stocked in Bronze Finish

EPA CHART (ft<sup>2</sup>)

Model					
	Single	2 @ 90	2 @ 180	3 @ 90	4 @ 90
FLX 80-150W Mounted with Slipfitter at 45°	0.550	2.079	1.1400	2.4500	3.2200
FLX 230-300W Mounted with Slipfitter at 45°	0.594	2.764	1.1180	3.3580	3.953
FLX 400W Mounted with Slipfitter at 45°	0.671	3.229	1.2910	3.8750	4.5200
FLX 80-150W Mounted with Slipfitter at 90°	0.357	0.920	1.1370	1.4980	1.847
FLX 230-300W Mounted with Slipfitter at 90°	0.382	1.020	1.2920	1.6600	2.0530
FLX 400W Mounted with Slipfitter at 90°	0.448	1.1620	1.3690	1.8470	2.3520

Tamlite is not responsible for overloading of poles. The buyer must ensure that the fixtures to be installed do not exceed the structural limits of the poles, and are appropriate to the wind region. Please consult our specifications or contact an authorized pole vendor if you require assistance.

Optional Extras: AR-N7S, AR-N3PV-UNV