

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

SERIES SPECIFICATIONS

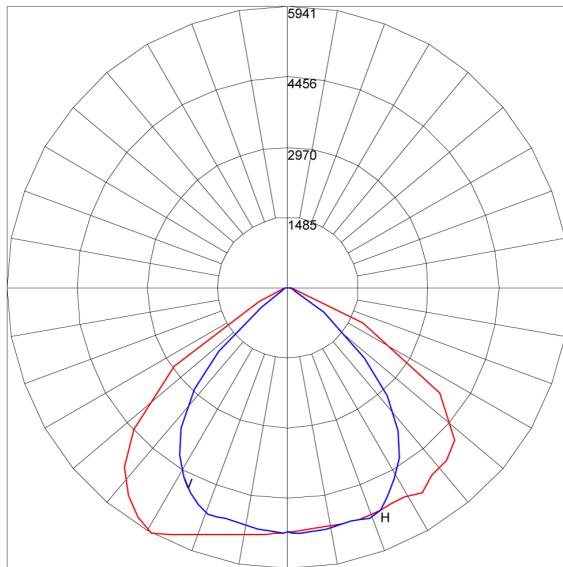


To supply TamLite's FLX Series of LED floodlights as specified. The luminaire shall operate at 120-277Vac and use a constant current type driver. Driver shall be dimmable by 1-10Vdc control. The housing shall be constructed of powder-coated die-cast Aluminium with a screw down rear wiring compartment 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.



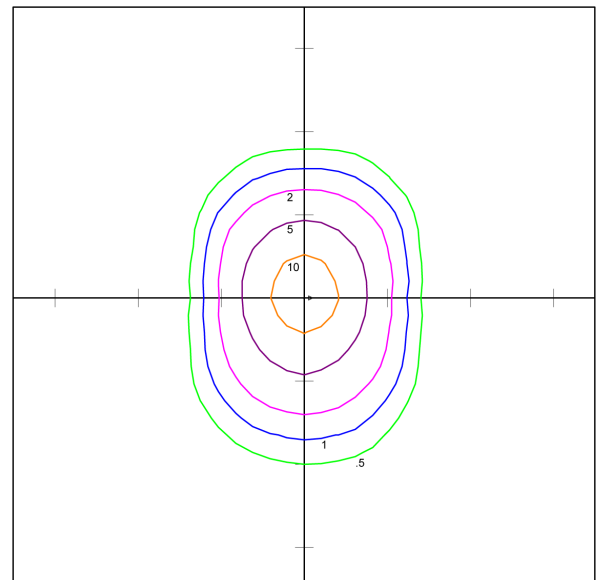
PERFORMANCE SPECIFICATIONS

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

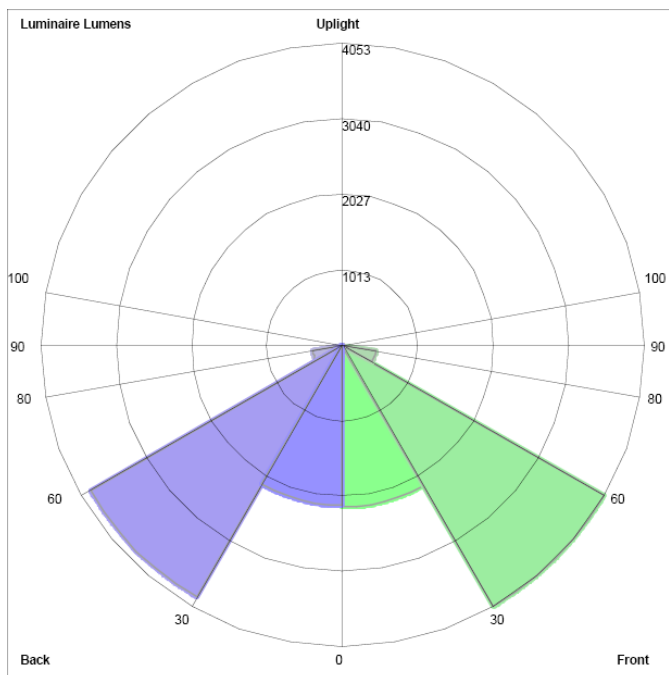


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Zonal Lumen Summary

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
Total	13177.0	N.A.	100.0
BUG Rating	B3-U0-G1		

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

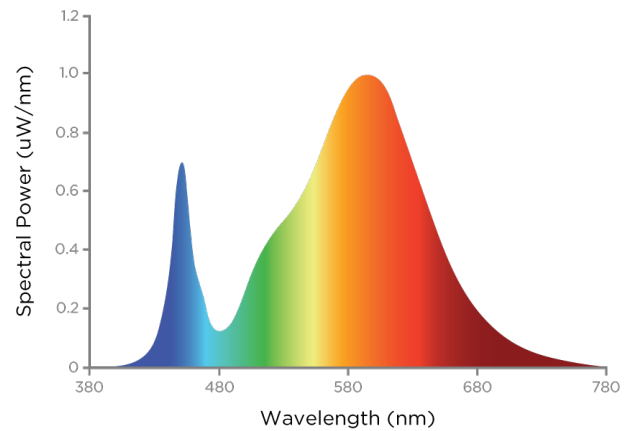
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LED SPECIFICATIONS

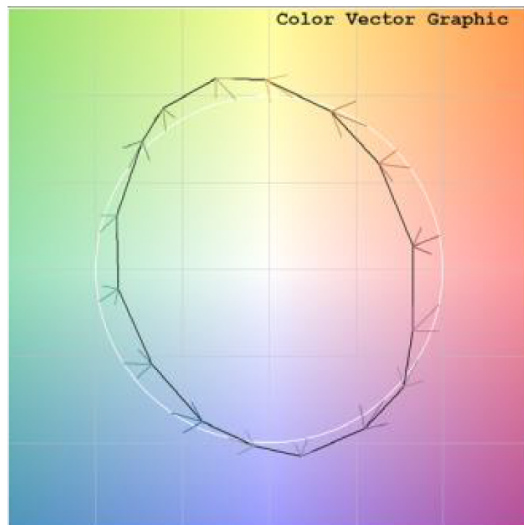
R Tables

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

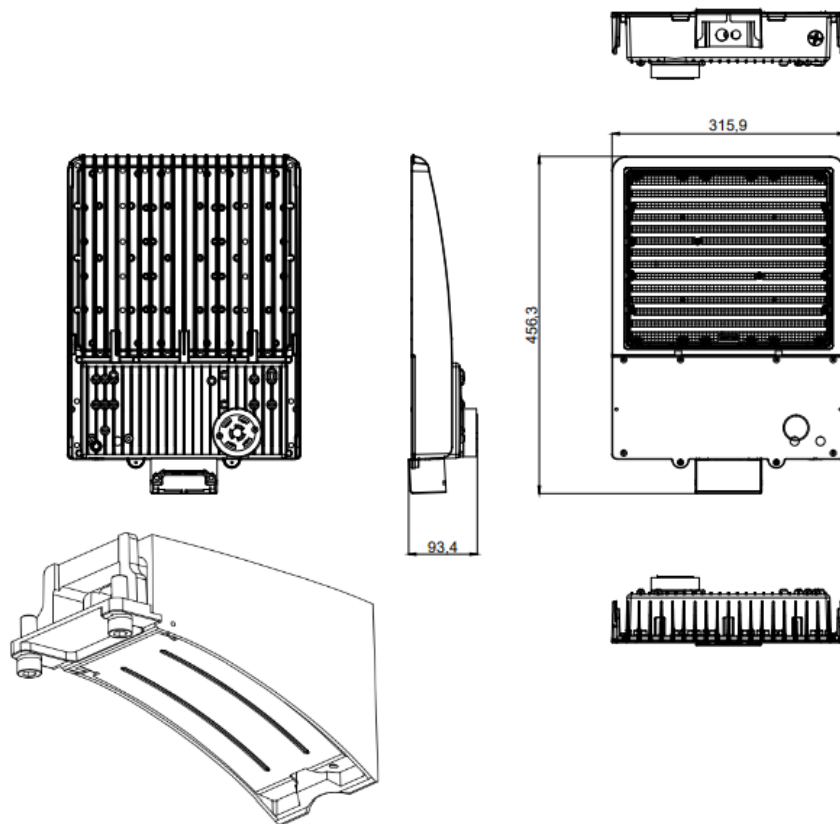
Box Quantity: 1

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

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LINE DRAWING

Line Drawings



FLX-PA Ordered and shipped seperately

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SERIES ARCHITECTURE

Series Architecture






FLX - - - - -

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

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

*Stocked in Bronze Finish

EPA CHART (ft²)

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