TAMLITE
LIGHTING

CONTRACTOR:	
PROJECT:	DATE:
PREPARED BY:	MODEL#: WPFLED205K

SERIES SPECIFICATIONS

To supply and install Tamlite WPF series of LED fixtures as specified. The luminaire shall operate at 120VAC to 277VAC, and use a constant current type driver. The housing shall be constructed of powder-coated die-cast aluminum with a hinged wiring compartment, and an impact resistant polycarbonate lens. A durable formed gasket shall be provided between the enclosure and the lens, and the wiring compartment and housing. Internal wiring shall terminate in quick connects for ease of connectivity. 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, CREE® CXB1512 LED Chips. The LEDs shall be supplied with the luminaire. The fixture shall be c-UL-us listed.

IP65 **WET LOCATION** **5 YEAR LIMITED WARRANTY** **LED** **RoHS COMPLIANT** **c UL us LISTED**

PERFORMANCE SPECIFICATIONS

FIG. 1 - Luminance Distribution Chart

	C0	C90	C180
0°	462	462	462
5°	472	451	433
10°	477	438	398
15°	462	423	318
20°	435	404	286
25°	421	380	235
30°	398	354	159
35°	407	329	78
40°	423	303	36
45°	417	257	15
50°	396	215	14
55°	361	164	13
60°	313	122	11
65°	235	82	9
70°	59	45	8
75°	3	21	5
80°	0	7	3
85°	0	0	1
90°	0	0	0
	cd / 1000 lm		

C0 / C180   C90 / C270

cd / 1000 lm
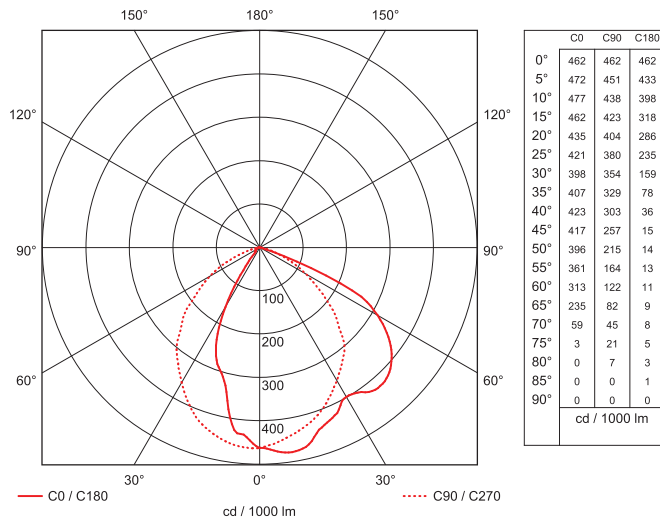
FIG. 2 - Isofootcandle Diagram
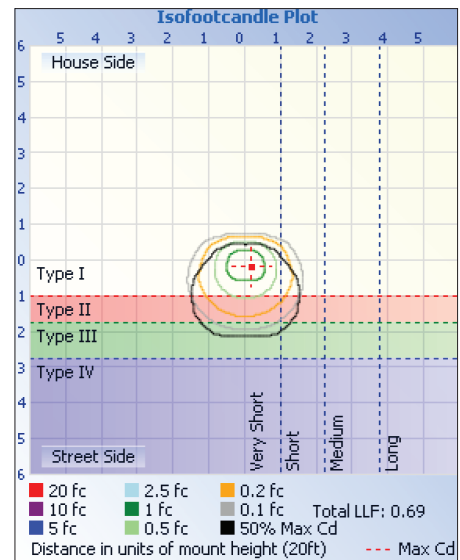
FIG. 3 - Zonal Lumen Summary

ZONE	PERCENTAGE	ZONE	PERCENTAGE	ZONE	PERCENTAGE
0-10	4.3%	60-70	10.6%	120-130	0%
10-20	12.0%	70-80	2.8%	130-140	0%
20-30	17.1%	80-90	0.1%	140-150	0%
30-40	18.9%	90-100	0%	150-160	0%
40-50	18.3%	100-110	0%	160-170	0%
50-60	15.7%	110-120	0%	170-180	0%

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PERFORMANCE SPECIFICATIONS

Initial Lumen Output: 2315.00 lm
Luminaire Type: Type III Short
Certification Standards: cULus, RoHS
Bug Rating: B1-U0-G0

Limited Product Warranty: 5 Years
Anti-Corrosion Warranty: 5 Years
Operating Temp: -40ºC to +40ºC

Efficacy: 119.64 lm/W
Beam Angle: 93.2°
Environmental Rating: IP65

FIG. 4 - LCS Graph
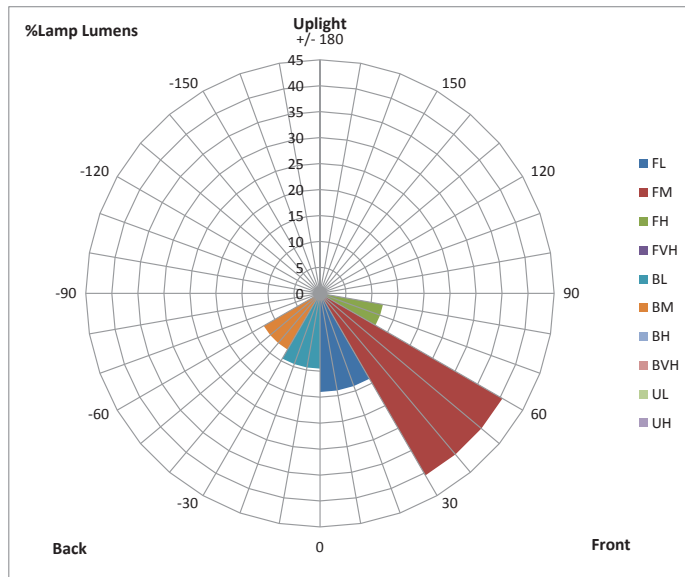
WPFLED203K		
	Lumens	%Luminaire
FL - Front-Low (0-30)	406.62	19.0
FM - Front-Medium (30-60)	869	40.5
FH - Front-High (60-80)	263.84	12.3
FVH - Front-Very High (80-90)	1.497	0.1
BL - Back-Low (0-30)	311.06	14.5
BM - Back-Medium (30-60)	267.72	12.5
BH - Back-High (60-80)	23.507	1.1
BVH - Back-Very High (80-90)	0	0.0
UL - Uplight-Low (90-100)	0	0.0
UH - Uplight-High (100-180)	0	0.0
TOTAL	2144	100

ELECTRICAL SPECIFICATIONS

Voltage: 120-277VAC
Driver: Inventronics
Fixture Draw: 19.35W @ 120VAC; 19.22W @ 277VAC

Current Draw: 0.1641A @ 120VAC; 0.0769A @ 277VAC
Power Factor: 0.9827 @ 120VAC; 0.9024 @ 277VAC

THD: 10.03% @ 120VAC; 15.57% @ 277VAC
Frequency: 50/60 Hz

LED SPECIFICATIONS

LED Chip: CREE® CXB1512
LED Type: COB
R9: 11

Average Life: L70(6k)>36,000 hrs
Colour Temperature: 4796K
Duv: 0.0042

CRI: 82.6
Chromaticity: x= 0.3523; y= 0.3659

FIG. 5 - Colour Rendering Indices

R1	80	R6	82	R11	81
R2	87	R7	89	R12	57
R3	92	R8	69	R13	82
R4	82	R9	11	R14	95
R5	80	R10	69	R15	75

LED SPECIFICATIONS

**FIG. 6 - Spectral Distribution Chart**
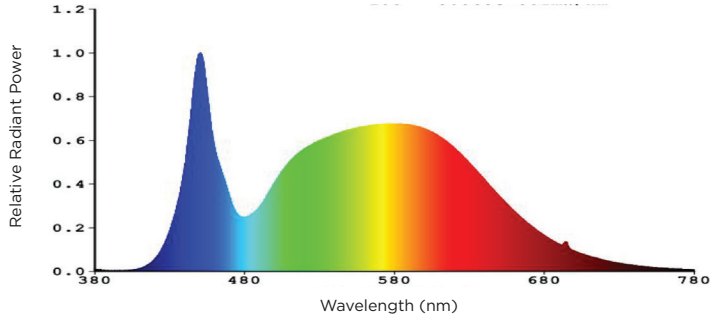
PHYSICAL SPECIFICATIONS

Colour(s): Architectural Bronze
Finished Type: Textured Powder Coat over Chromate Conversion Coat
Lens Type: Clear

Wiring: 3 x 1/2" Coin Plugs
Mounting: Wall Mount/Yoke Mount/ Knuckle Mount (included)

Housing Material: Die-Cast Aluminum
Reflector Material: Specular Aluminum
Lens Material: Tempered Glass

LINE DRAWING
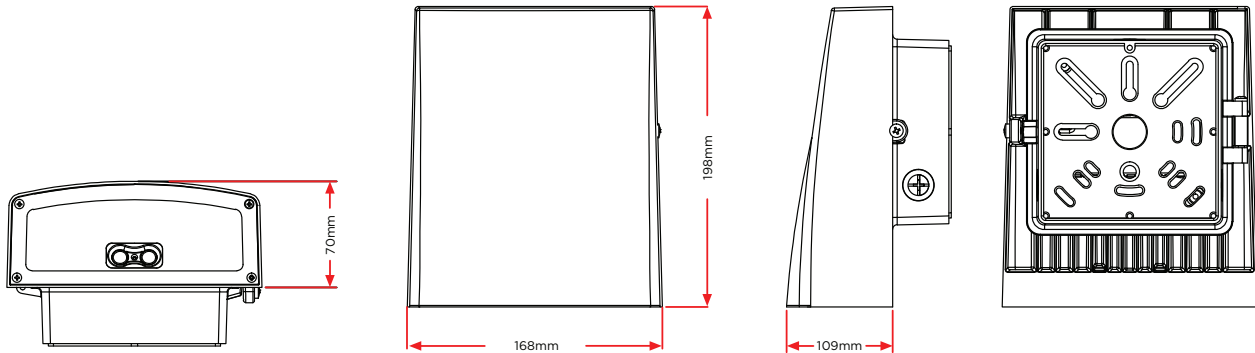
ORDERING INFORMATION

Part Number: WPFLED205K

Inner Carton Quantity: 1

Inner Carton Length: 245mm - 9.64"
Inner Carton Width: 185mm - 7.28"

Inner Carton Height: 215mm - 8.46"
Inner Carton Weight: 5.15lbs - 2.34kg

Outer Carton Quantity: 6

Outer Carton Length: 575mm - 22.63"
Outer Carton Width: 445mm - 17.51"

Outer Carton Height: 260mm - 10.24"
Outer Carton Weight: 31.7lbs - 14.7kg

Optional Extras: WPFLED-PC (Photocell)