TAMLITE
LIGHTING

CONTRACTOR:	
PROJECT:	DATE:
PREPARED BY:	MODEL#: WPFLED505K

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 and DLC Qualified.

IP65 | WET LOCATION | 5 YEAR LIMITED WARRANTY | LED | RoHS COMPLIANT | DLC QPL LISTED | c UL us LISTED

PERFORMANCE SPECIFICATIONS

FIG. 1 - Luminance Distribution Chart

	C0	C90	C180
0°	407	407	407
5°	448	408	364
10°	494	402	315
15°	540	388	257
20°	590	366	191
25°	632	339	124
30°	653	305	65
35°	662	270	28
40°	646	233	21
45°	611	193	18
50°	554	148	15
55°	482	102	13
60°	401	60	11
65°	332	25	8
70°	278	7	6
75°	72	2	4
80°	8	1	2
85°	2	0	0
90°	0	0	0
	cd / 1000 lm		

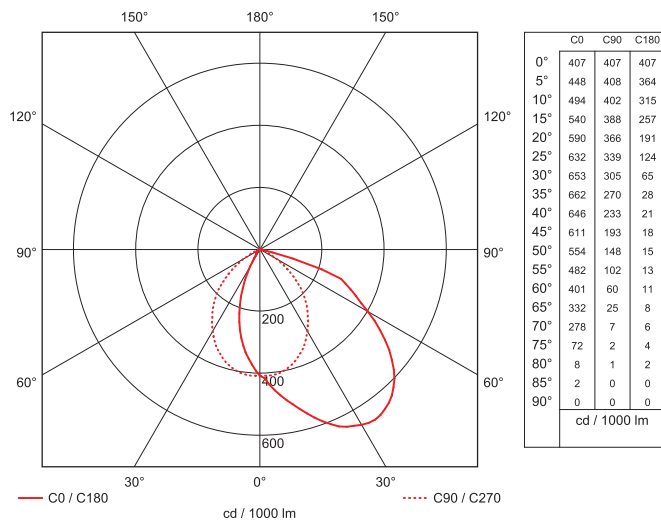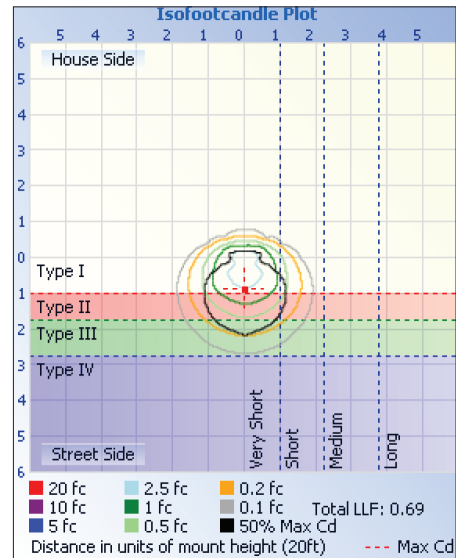—— C0 / C180   ······ C90 / C270

cd / 1000 lm

FIG. 2 - Isofootcandle Diagram

FIG. 3 - Zonal Lumen Summary

ZONE	PERCENTAGE	ZONE	PERCENTAGE	ZONE	PERCENTAGE
0-10	3.6%	60-70	11.1%	120-130	0%
10-20	10.4%	70-80	4.2%	130-140	0%
20-30	15.6%	80-90	0.2%	140-150	0%
30-40	19.0%	90-100	0%	150-160	0%
40-50	19.7%	100-110	0%	160-170	0%
50-60	16.3%	110-120	0%	170-180	0%

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PERFORMANCE SPECIFICATIONS

Initial Lumen Output: 5046.00 lm
Luminaire Type: Type III Short
Environmental Rating: IP65
BUG Rating: B2-U0-G1

Limited Product Warranty: 5 Years
Anti-Corrosion Warranty: 5 Years
Certification Standards: cULus, RoHS, DLC

Efficacy: 107.25 lm/W
Beam Angle: 85.20°
Operating Temperature: -40ºC to +40ºC

FIG. 4 - LCS Graph
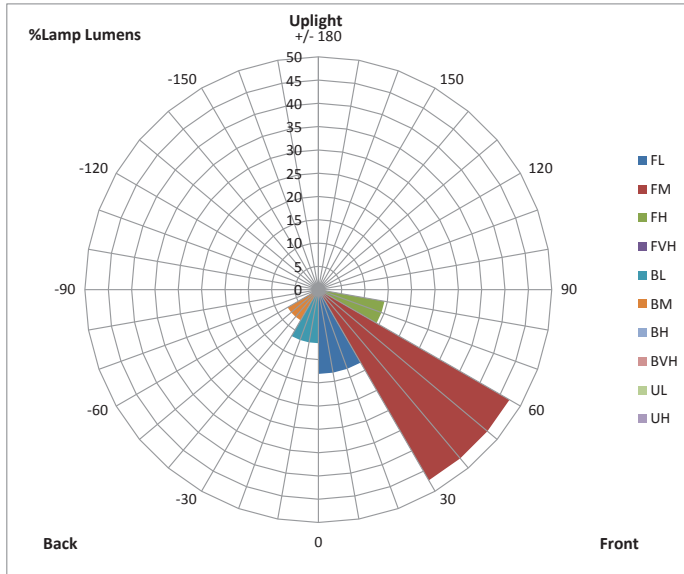
WPFLED505K		
	Lumens	%Luminaire
FL - Front-Low (0-30)	913.33	18.1
FM - Front-Medium (30-60)	2386.76	47.3
FH - Front-High (60-80)	726.62	14.4
FVH - Front-Very High (80-90)	10.092	0.2
BL - Back-Low (0-30)	580.29	11.5
BM - Back-Medium (30-60)	383.50	7.6
BH - Back-High (60-80)	45.414	0.9
BVH - Back-Very High (80-90)	5.046	0.1
UL - Uplight-Low (90-100)	0	0.0
UH - Uplight-High (100-180)	0	0.0
TOTAL	5046	100

ELECTRICAL SPECIFICATIONS

Voltage: 120-277VAC
Driver: Meanwell
Fixture Draw: 47.05W @ 120VAC; 47.58W @ 277VAC

Current Draw: 0.4000A @120VAC; 0.1889A @277VAC
Power Factor: 0.9801 @120VAC; 0.9092 @277VAC

THD: 15.96% @120VAC; 19.01% @277VAC
Frequency: 60 Hz

LED SPECIFICATIONS

LED Chip: CREE® CXB1512
LED Type: COB
R9: 18

Average Life: L70(6k)>36,000 hrs
Colour Temperature: 5082K
Duv: 0.0045

CRI: 84.8
Chromaticity: x=0.3436; y=0.3595

FIG. 5 - Colour Rendering Indices

R1	84	R6	85	R11	82
R2	90	R7	89	R12	60
R3	93	R8	71	R13	85
R4	84	R9	18	R14	96
R5	83	R10	74	R15	79

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LED SPECIFICATIONS

FIG. 6 - Spectral Distribution Chart


Relative Radiant Power vs Wavelength (nm)
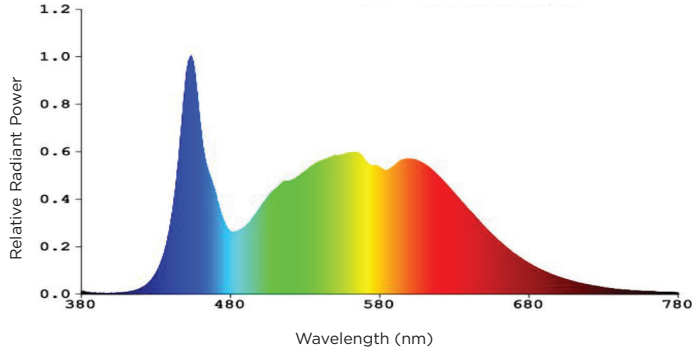
PHYSICAL SPECIFICATIONS

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

Mounting: Wall Mount/Pole Mount
Housing Material: Die-Cast Aluminum
Reflector Material: Specular Aluminum

Lens Material: Tempered Glass
Wiring: 3 x 1/2" Coin Plugs
Lens Type: Clear

LINE DRAWING

285.8mm
241.3mm
101.6mm
147.6mm
147.6mm
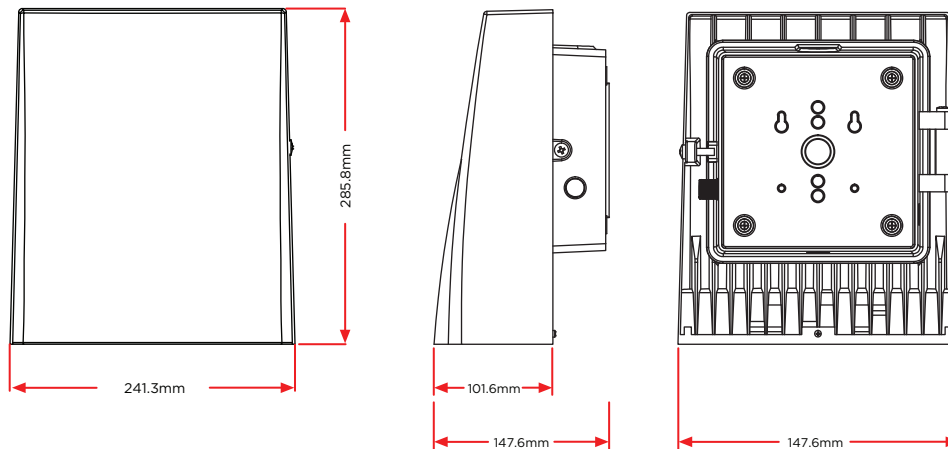
ORDERING INFORMATION

Part Number: WPFLED505K

Inner Carton Quantity: 1

Inner Carton Length: 340mm - 13.38"
Inner Carton Width: 320mm - 12.59"

Inner Carton Height: 360mm - 10.23"
Inner Carton Weight: 4.47kg - 9.85lbs

Outer Carton Quantity: 2

Outer Carton Length: 390mm - 15.35"
Outer Carton Width: 320mm - 12.59"

Outer Carton Height: 360mm - 14.17"
Outer Carton Weight: 8.5kg - 18.74lbs

Optional Extras: WPFLED-SF (Slip Fitter), WPFLED-PA (Pole Mount Arm), WPFLED-PC (Photocell)