

Project:	
Location:	
Model#: WPA1203K-UNV-BK	Type:
Client:	Qty:
Prepared by:	Date:

## SERIES SPECIFICATIONS

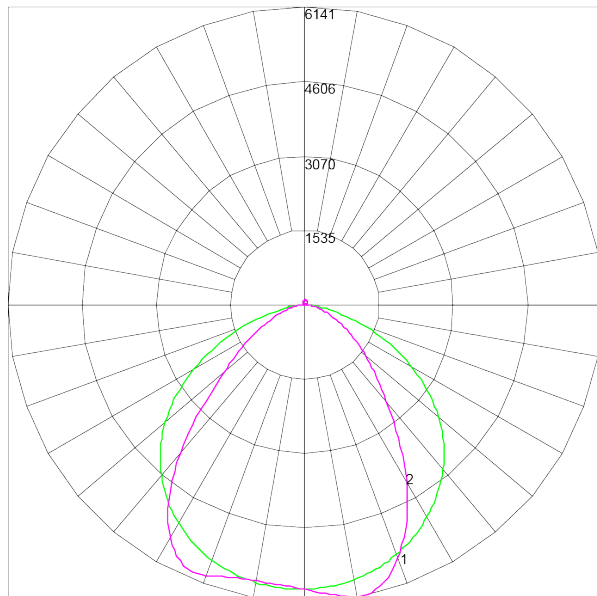


To supply Tamlite's WPA series of LED fixtures as specified. The luminaire shall operate at 120-277Vac, and use a constant current type driver. The housing shall be constructed of powder-coated die-cast Aluminium with a hinged wiring compartment, and an impact resistant polycarbonate lens. A durable 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, LUXEON® 2835 LED Chips. The LEDs shall be supplied with the luminaire. The luminaire shall be cULus Listed and DLC Listed



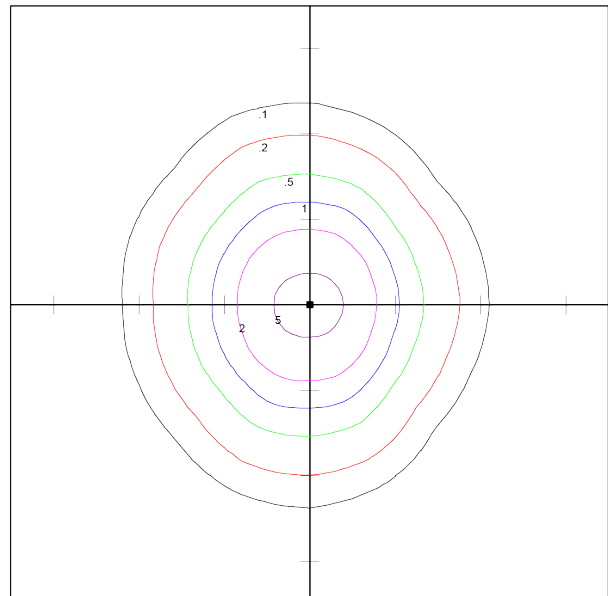
## PERFORMANCE SPECIFICATIONS

### Luminance Distribution Chart



Maximum Candela = 6140.73 Located At Horizontal Angle = 360, Vertical Angle = 11  
 # 1 - Vertical Plane Through Horizontal Angles (90 - 270)  
 # 2 - Vertical Plane Through Horizontal Angles (0 - 180)

### Isolux Diagram



Tamlite Lighting Canada  
 Div Tamco Group Canada  
 WPA1203K-UNV-BZ  
 120W LED SLIM WALL PACK

Horizontal Footcandles  
 Scale: 1 Inch = 30 Ft  
 Light Loss Factor = 1.00  
 Lumens Per Lamp = 15060.8  
 Total Lamp Lumens = 15060.8  
 Mounting Height = 30.00 Ft  
 Maximum Calculated Value = 6.55 Fc  
 Arrangement: Single



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### Zonal Lumen Summary

ZONE	LUMENS	ZONE	LUMENS	ZONE	LUMENS	ZONE	LUMENS	ZONE	LUMENS
0-10	557.83	40-50	2535.58	80-90	102.98	120-130	39.41	160-170	24.78
10-20	1629.08	50-60	1864.72	90-100	14.89	130-140	44.03	170-180	8.98
20-30	2466.98	60-70	1114.91	100-110	21.71	140-150	42.99	--	--
30-40	2810.53	70-80	491.30	110-120	31.06	150-160	36.31	--	--

**Initial Lumen Output:** 14277lm

**Luminaire Type:** Cut-off

**UL Classification:** Wet Location Listed

**CCN Number:** IFAM7.E359675

**Efficacy:** 113.81lm/W

**BUG Rating:** B3-U0-G1

**Ambient Operating Temp:** -40C to +40C

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

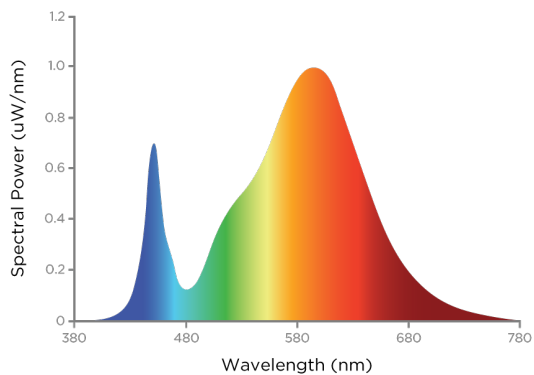
**Max Candela:** 5927cd

**Environmental Rating(s):** IP65

**Certification Standards:** UL Safety US-CA

### LED SPECIFICATIONS

#### SPD



**Source Type:** LED

**CRI:** >80

**Chromaticity:** x=0.3792 y=0.3770

**Manufacturer:** Lumileds®

**L70:** 54000 Hrs

**Duv:** 0.0005

**Part Number:** LUXEON 2835

**Colour Temperature:** 3000K



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#### ELECTRICAL SPECIFICATIONS

**Driver Manufacturer:** TOWIN®

**Input Frequency:** 50-60Hz

**Current Draw@ 277Vac:** 0.4778

**Power Factor @120Vac:** >.90

**THD @277Vac(%):** <15%

**Dimming:** 0-10Vdc, (0% Min Light Level)

**Driver Certifications:** c-RU-us Class 2,  
FCC Part 15 Class B, RoHS

**Driver Part Number:** DF120W-40C3000B

**Fixture Draw:** 121.59W

**Inrush Current:** 2.17 A2S

**Power Factor @277Vac:** >.90

**Driver MTBF:** 300,000hrs

**Over Temperature Protection:** Decreases  
output current, returning to normal after  
over temperature is removed.

**Input Voltage:** 120~277Vac

**Current Draw@ 120Vac:** 1.042

**Max On-Delay:** < 1 S

**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.

#### PHYSICAL SPECIFICATIONS

**Finish Colour:** Black (RAL-9011)

**Mounting:** Wall Mount

**Lens Type:** Clear Optics

**Finish Type:** Textured Powder Coat over  
Chromate Conversion Coat

**Housing Material:** ADC12 Aluminium

**Reflector Material:** highly specular material

**Wiring:** 3 x ½" Coin Plugs, one each side  
and bottom

**Lens Material:** PMMA

#### SHIPPING INFORMATION

**OrderingCode(s):** WPA12030K-UNV-BK

**Box Weight:** 4.6 kg

**Carton Weight:** 9.98

**Box Quantity:** 1

**Carton Quantity:** 2

**Box Dimensions (L-W-H):** 315 x 165 x  
355 mm

**Carton Dimensions (I-W-H):** 345 x 330 x  
370 mm



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## SERIES ARCHITECTURE

### Series Architecture

#### WPA NOMENCLATURE

Part	Wattage		CCT		Mounting		Voltage		Colour		Accessories	
WPA	12	12W	3K	3000K	[Blank]	Wall Surface	UNV	120-277VAC	BZ	Bronze	PC	WPFLED-PC120
	30	30W	4K	4000K			347	347VAC	BK	Black		
	50	50W	5K	5000K					WT	White		
	80	80W							CC	Custom Colour		
	100	100W										
	120	120W										

**Optional Extras:** WPFLED-PC-120