TCP

LED Technical Data

LED Wall Pack

TCP's LED wall packs are designed for outdoor wall mounted lighting applications requiring white uniform light, long life and low maintenance requirement.

LIMITLESS OPTIONS for the following applications:

Site lighting

Overnight security lighting

Pathway lighting

Entrance lighting

Overhead door lighting

Great Features/Benefits

- Energy efficient – Up to 82% energy savings compared to metal halide
- Instant on
- Long life: 50,000 hours
- Bright white, uniform light
- Excellent color rendering
- Replaces traditional metal halide, high pressure sodium & fluorescent wall packs
- Heavy-duty diecast aluminum housing

c UL us LISTED

DLC QPL LISTED

5 YEAR WARRANTY

we know light.™

LED Wall Packs

Features/Benefits

Up to 82% less energy than traditional lighting	Instant energy savings
Long 50,000 hour rated life	Minimizes replacements & maintenance costs
Very low heat generation	Less energy wasted as heat
Excellent color consistency & CRI	Enhances color of focal point while maintaining uniformity throughout lighting installation
Mercury free	Great for all environments
Flush mount fits standard J-box installation	Easy installation and retrofit application
TCP LED drivers are specifically designed for high efficient LED combination	Optimal performance and efficiency

WP80
LED Wall Pack

WP40
LED Wall Pack

Specifications

Input Line Voltage	120-277 VAC
Input Power	WP40: 39W WP80: 78W
Input Line Frequency	50/60HZ
Luminaire Life (Rated)	50,000 hours
Operating Temperature	-40°C ~ 37°C
CRI	83
CCT	4100K & 5000K
Power Factor	>90%
THD	<20%

Warranty

Five years against defects in manufacturing

Replacement Comparison

TYPE	WATTAGE	ENERGY SAVINGS (%)
TCP WP40 LED Wall Pack	**39W**	–
175W Metal Halide	215W	82%
TCP WP80 LED Wall Pack	**78W**	–
250W Metal Halide	295W	74%

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5 YEAR WARRANTY

WP80 LED Wall Pack

Applications

TCP's LED wall packs are designed for outdoor wall mounted lighting applications requiring white uniform light, long life and low maintenance requirement. Applications include site, overnight security, pathway, entrance, and overhead door lighting.

Construction

Traditional style with all the benefits of LED, this wall pack is constructed from diecast aluminum with a durable powder coat finish. Integral thermal management to optimize performance and long life. This wall pack is UL/cUL listed as suitable for wet locations. Weight is 8 lbs (3.646 kg).

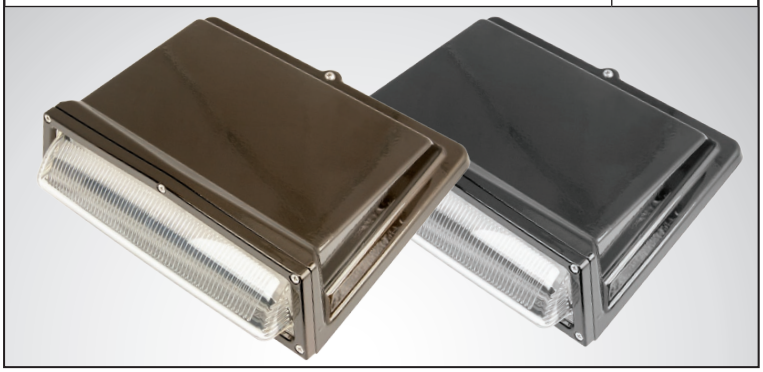
Electrical

The UL listed driver has an input voltage of 120-277 VAC (50/60 Hz), a system power factor of >90% and THD <20%. Operating temperature -40°C ~ 37°C. Integral 5kV surge suppression protection comes standard.

Optics

The impact resistant non-yellowing polycarbonate lens provides Type III asymmetric very short light distribution with superb uniformity.

Catalog Number	
Notes	Type



Listings

UL/cUL Listed – wet location rated
RoHS Compliant
Design Lights Consortium (DLC) Qualified Product

Installation

Wall mounted
Before installation, please consult your local ordinances and building codes for compliance

Warranty

Five years against defects in manufacturing

Lumen Maintenance

Lumen Maintenance Factor (LMF)			
36,000 hours[1]	**50,000 hours[2]**	**100,000 hours [2]**	**L_{70} (hours)[2]**
92%	89%	80%	168,000

[1] IESNA TM-21-11 projected value based on 6X IESNA LM-80-08 total test duration of 6,000 hours.
[2] IESNA TM-21-11 calculated value exceeds 6X IESNA LM-80-08 total test duration of 6,000 hours.

Catalog Ordering Matrix

WP	80	UNI	T3		
PRODUCT ID	**WATTAGE**	**VOLTAGE**	**DISTRIBUTION TYPE**	**CCT**	**COLOR**
WP	80=80W	UNI = 120-277V	T3 = Type III	41K = 4100K 50K = 5000K	BLK = Black BRZ = Bronze WHT = White*

*Special order

Performance Data

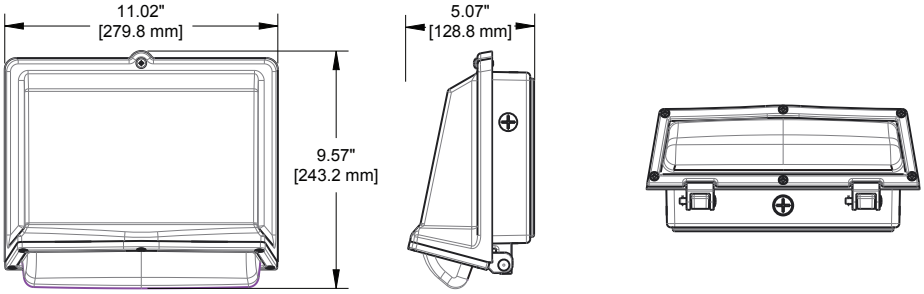
	WATTAGE[1]	CURRENT @ 120V (A)	CURRENT @ 277V (A)	DISTRIBUTION TYPE	CRI	4100K LUMENS[2]	4100K LPW	4100K B	4100K U	4100K G	5000K LUMENS[2]	5000K LPW	5000K B	5000K U	5000K G
WP80	78	0.65	0.32	Type III Asymmetric Very Short	83	8400	108	2	3	2	8400	108	2	3	2

Published lumen values are from photometric tests performed by NVLAP certified laboratory in accordance with IESNA LM-79-08 standards. Actual performance results may vary as result of end-user application and environment.

[1] Actual wattage may differ by +/- 5%; when operating between 120-277V +/- 10%.
[2] Approximate lumen output.

WP80 LED Wall Pack

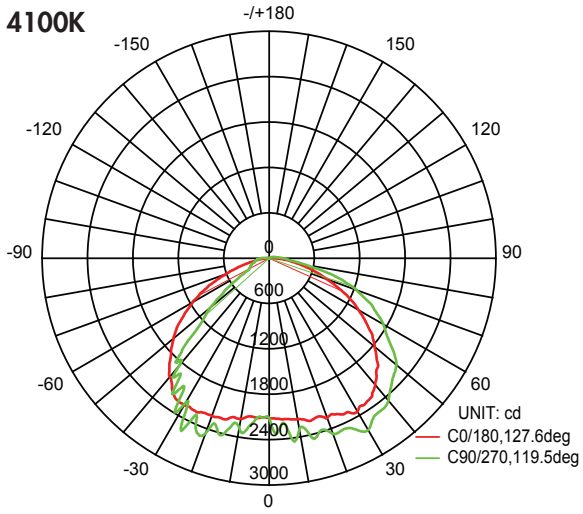
Dimensions



Photometric Report

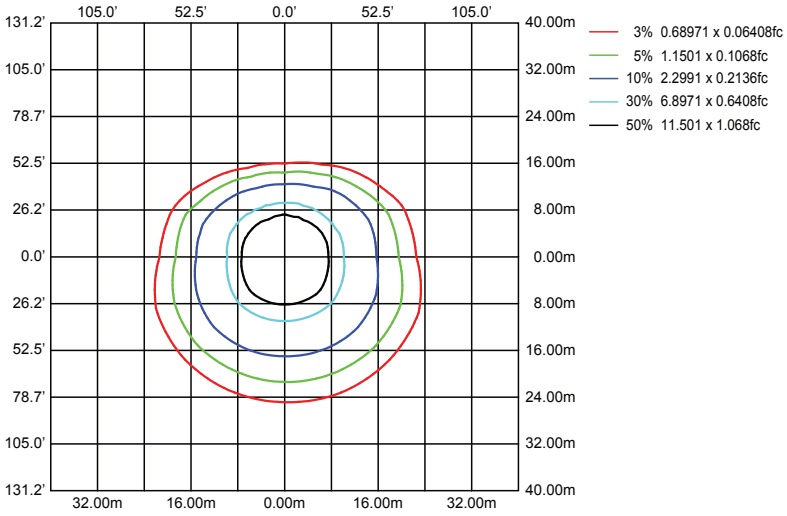
Luminous Intensity Distribution Diagrams

4100K



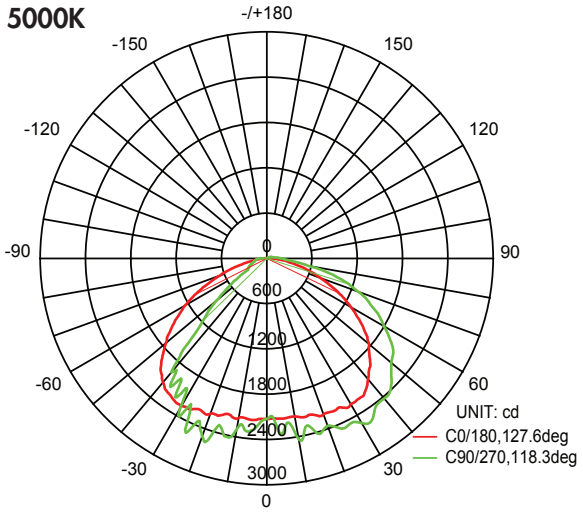
AVERAGE BEAM ANGLE (50%): 123.5 DEG

Isolux Diagrams

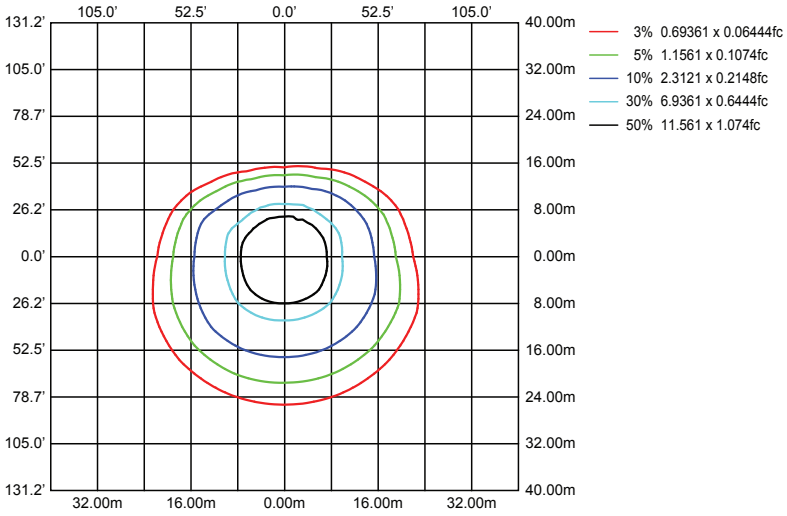


MOUNTING HEIGHT: 33' (10.0m)

5000K



AVERAGE BEAM ANGLE (50%): 122.9 DEG



MOUNTING HEIGHT: 33' (10.0m)