

FPTA - Fidelux Post Top Series (Acorn)

Product Description

These classically styled commercial post top LED fixtures were designed to seamlessly compliment a new or existing building while delivering the dramatic energy savings of LED. Designed with an internal driver, this type of outdoor area lighting is ideal for new projects or a replacement for existing outdoor accent lighting fixtures.

Features & Benefits

- Standard model: 60W, 5000K, black finish, clear linear lens
- Replaces up to 200W HID
- High Efficiency, heat and impact resistant, UV protected, non-yellowing polycarbonate Lens
- Internal driver
- Near zero maintenance
- Classical look
- Minimal insect attraction
- EPA Wind Rating for 16'-20' - 1.75

Applications

- Parks
- Schools
- Outdoor parking areas
- Sidewalks
- Corporate parks

Mounting Options

- Pole mounting (fits on most poles)

Regulatory & Voluntary Qualifications

- UL, Wet Location, IP65
- Most of our products are DLC listed, qualifying them for the highest rebates. Please check individual product specs for DLC status. Refer to DLC website by clicking this link below: <https://www.designlights.org>
- Category: Outdoor Pole/Arm-Mounted Decorative Luminaires



Performance Summary

Efficacy: 101 l/pw

CRI: 86 cri

CCT: 3000K / 4000K / 5000K

Dimming: Non Dimming

IP Rating: IP65

Operating Temp: -30° - +55°C Ambient

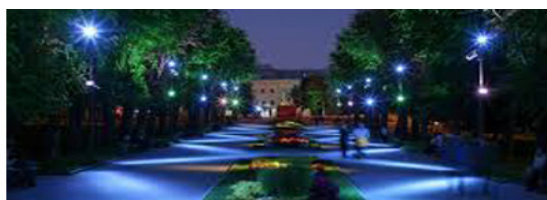
Input Voltage: 120-277vac / 50/60Hz

Beam Distro: Roadway Type VS / NEMA Type 4x3 (60° x 30°)

EPA Wind Rating for pole height of 16'-20': 1.75

Dimension: 2' 9" x 1'-2"

L70 Lifetime : 66,000+ Hrs (TM21 Calculated)



FPTA Series Specification Summary

Product Number	FPTA-60W
Efficacy @ 5000K	101 L/PW
Input Power: Watts	57.31
Lumens @ 3000K	5788 (No DLC)
Lumens @ 4000K	5788 (No DLC)
Lumens @ 5000K	5835
CRI	86
THD @ 120VAC	>21.5%
CCT/Kelvin Temp Options	30/40/50K
IP Rating	IP65
Dimming	Non Dimming
Input Voltage Options	AC 120-277v
Qualifications	UL, DLC 4.4 Standard, (30/40K No DLC)
NEMA / Roadway Beam Distribution	Cutoff Classification: SEMICUTOFF Roadway: Type VS / NEMA : 4 (H) x 3 (V)
Power Factor	0.92
L70 Lifetime Hours	67,000+ Hrs (TM21)
Ambient Working Temp	-30°C to +55°C Ambient
Max Dimensions (in)	14" x 33"
Total Weight	17.63lbs
Limited Warranty	10 Yrs. on Fixture / 5 Yrs. on the UV protected non-yellowing polycarbonate Lens

Notes

Values are nominal unless noted +/- 5%
Specifications change without notice

FPTA Series Product Ordering Guide

Example: FPTA-60W-30K-UNV-N-BL

Product	CCT/Color Temp	Voltage	Controls & Dimming	Finish
FPTA-60W	30K (3000 Kelvin)*	UNV (120-277vac) STD	N (Non Dimming) STD	BL (Black) STD
	40K (4000 Kelvin)		PC (Internal PhotoCell)	CC (RAL #)*
	50K (5000 Kelvin)			

* Special Order = Longer Lead Time

FPTA Series Fixture Materials

Housing Material Aluminium DieCasting & Plastic

Lens Finish Clear

Lens Material Polycarbonate Clear & High Efficiency, heat and impact resistant, UV protected, non-yellowing polycarbonate Lens available

FPTA Series Design Details & Photometry

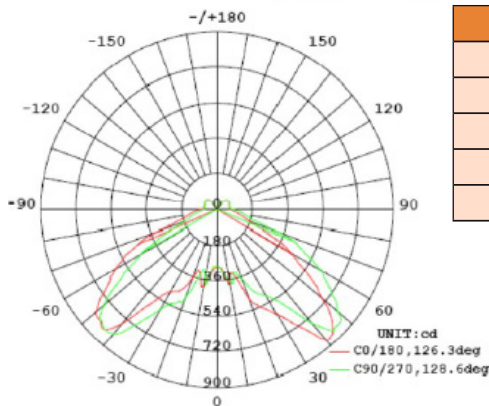


Photometry

FPTA-60W-30K-UNV-N-BL

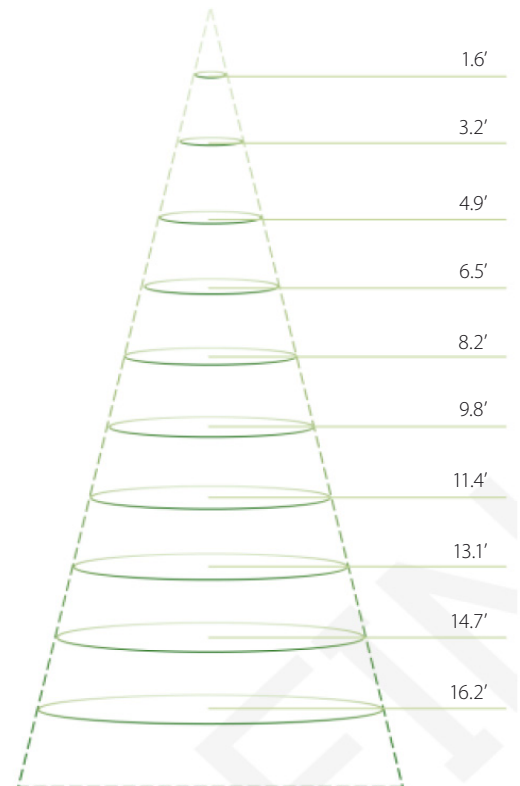
Luminaire photometry has been conducted by a NVLAP accredited testing laboratory in accordance with IESNA LM-79-08. IESNA LM-79-08 specifies the entire luminance as the source resulting in a luminaire efficiency of 100%.

Height (ft)	Diameter (inch)	Eavg (lx)	Emax (lx)
1.64	76.77	744.4	1723
3.28	153.54	186.1	430.8
4.92	230.70	82.7	191.5
6.56	307.48	46.5	107.7
8.20	384.64	29.8	68.9
9.84	461.41	20.7	47.9
11.48	538.19	15.2	35.2
13.12	615.35	11.6	26.9
14.76	692.12	9.2	21.3
16.40	769.29	7.4	17.2



	Beam Angle	Field Angle
C0/180	126.3	172
C45/225	125.7	169.2
C90/270	128.6	172.3
C135/315	122.4	168.1
AVG.	125.8	170.4

Angle: 125.8° Flux out: 2252



FPTA Series Photometry

FPTA Series Roadway Summary

Cutoff Classification	Semi Cutoff	
Distribution	Type VS	
Max CD, 90° Vert	172.0	
Max CD, 80° to <90°	435.5	
	LUMENS	% LAMP
Downward Street Side	2,518.5	43.2%
Downward House Side	2,538.8	43.5%
Downward Total	5,057.2	86.7%
Upward Street Side	387.6	6.6%
Upward House Side	390.7	6.7%
Upward Total	778.3	13.3%
Total Lumens	5,835.6	100%

FPTA Series LCS Table

BUG Rating	B2 - U4 - G2	
Forward Light	LUMENS	LUMENS %
Low (0-30)	319.7	5.5%
Medium (30-60)	1,328.5	22.8%
High (60-80)	747.5	12.8%
Very High (80-90)	122.5	2.1%
Back Light		
Low (0-30)	335.4	5.7%
Medium (30-60)	1,354.1	23.2%
High (60-80)	731.3	12.5%
Very High (80-90)	118.0	2%
Uplight		
Low (90-100)	162.3	2.8%
High (100-180)	616.0	10.6%
Trapped Light	0.000	0%

FPTA Series Flood Summary

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%)	86.7%	5,055.5	N/A	125
Beam (50%)	72.7%	4,239.0	135.1	134.2
Total	86.7%	5,055.5		