DPT Series

LED Decorative Post Top Luminaire

Product Description

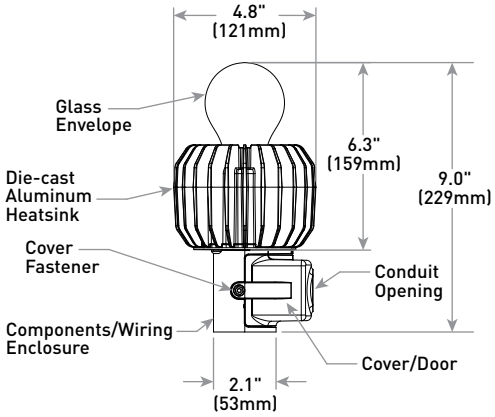
Don't get fooled into purchasing new luminaires or losing compliance with other decorative post-top lighting solutions. With the DPT Series, you can have all the great benefits of performance, energy savings and reduced maintenance of a LED luminaire, because it's designed to be a "luminaire within a luminaire." Designed to replace up to 70W Metal Halide or High Pressure Sodium and up to 175W Mercury Vapor lamps, the DPT luminaire utilizes a standalone UL 1598 compliant light engine and a universal mounting base that can be mounted in new or existing installations with both medium and mogul base sockets. Preserve the historic look of the streetscape, maintain safety and eliminate compliance hurdles with the DPT Series.

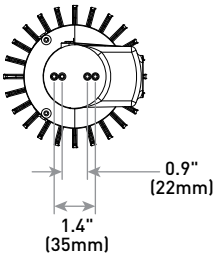
Applications: Decorative street, pathway and general area lighting

Performance Summary

Utilizes Cree® LED Technology
Made in the U.S.A. of U.S. and imported parts
CRI: Minimum 70 CRI
CCT: 3000K (+/- 300K); 4000K (+/- 300K)
Limited Warranty†: 10 years on luminaire

†See http://lighting.cree.com/warranty for warranty terms





Accessories

Field-Installed	
Backlight Control Shield DPT-BLS - No hardware required - May not be used in combination with the uplight shield	**Uplight Shield for Base-Down Applications** DPT-ULSBD - Provides 65% cutoff - May not be used in combination with the backlight control shield

Ordering Information

Example: DPT-A-SB-FR-A-30K-UL-UF

DPT	A	SB	FR	A		UL	UF
Product	**Version**	**Mounting**	**Lens**	**Input Power Designator**	**CCT**	**Voltage**	**Color Options**
DPT	**A**	**SB** Surface/Base	**FR** Frosted Glass Lens	**A** 34W	**30K** 3000K **40K** 4000K	**UL** Universal 120-277V	**UF** Unfinished

Product Specifications

CREE® LED TECHNOLOGY

Cree's total systems approach to product development is a comprehensive engineering philosophy that combines the most advanced LED sources, driver technologies, optics and forms. The result is highly-reliable luminaire solutions for both indoor and outdoor applications that reduce energy use, extend lifetimes, and maximize illumination performance and quality.

CONSTRUCTION & MATERIALS

- High performance die cast aluminum heat sink with low copper content
- Polycarbonate base with conduit knockout on cover to access terminal board connections (12ga-20ga) for easy power hookup
- Universal mounting base includes hole patterns for installing into luminaires with both medium or mogul base sockets
- Includes two screws for mounting to existing socket plate
- Frosted glass bulb

ELECTRICAL SYSTEM

- **Input Voltage:** Integral 120-277V, 50/60Hz
- **Power Factor:** > 0.9 at full load
- **Total Harmonic Distortion:** < 20% at full load
- **Operating Temperature Range:** -30˚C – +40˚C (-40˚F - 104˚F)
- Integral 6kV surge suppression protection standard
- When code dictates fusing, a slow blow fuse or type C/D breaker should be used to address inrush current

REGULATORY & VOLUNTARY QUALIFICATIONS

- cULus Listed
- Suitable for damp locations
- Consult factory for CE Certified products
- 6kV surge suppression protection tested in accordance with IEEE/ANSI C62.41.2
- Meets Buy American requirements within ARRA
- RoHS compliant. Consult factory for additional details
- **CA RESIDENTS WARNING:** Cancer and Reproductive Harm – www.p65warnings.ca.gov

Electrical Data*

Input Power Designator	System Watts 120-277V	Total Current (A)			
		120V	208V	240V	277V
A	34	0.30	0.18	0.15	0.13

* Electrical data at 25˚C (77˚F). Actual wattage may differ by +/- 10% when operating between 120-277V +/- 10%

Recommended DPT Series Source Lumen Maintenance Factors (LMF)[1]

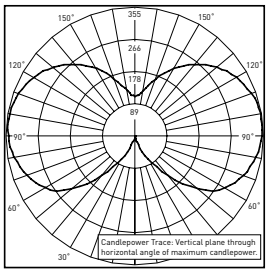
Ambient	Input Power Designator	Initial LMF	25K hr Projected[2] LMF	50K hr Projected[2] LMF	75K hr Projected[3] LMF	100K hr Projected[3] LMF
5˚C (41˚F)	A	1.04	1.00	0.98	0.96	0.94
10˚C (50˚F)	A	1.03	0.99	0.97	0.95	0.93
15˚C (59˚F)	A	1.02	0.98	0.96	0.94	0.92
20˚C (68˚F)	A	1.01	0.97	0.95	0.93	0.91
25˚C (77˚F)	A	1.00	0.96	0.94	0.92	0.90

[1] Lumen maintenance values at 25˚C (77˚F) are calculated per TM-21 based on LM-80 data and in-situ luminaire testing
[2] In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times (6X) the IESNA LM-80-08 total test duration (in hours) for the device under testing ([DUT] i.e. the packaged LED chip)
[3] In accordance with IESNA TM-21-11, Calculated Values represent time durations that exceed six times (6X) the IESNA LM-80-08 total test duration (in hours) for the device under testing ([DUT] i.e. the packaged LED chip)

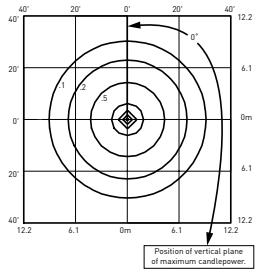
Photometry

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP accredited laboratory. To obtain an IES file specific to your project consult: http://lighting.cree.com/products/outdoor/decorative-street-and-roadway/dpt-series

FR



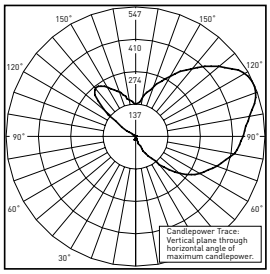
RESTL Test Report #: PL03785-003
DPT-A-SB-FR-A-30K-UL-UF
Initial Delivered Lumens: 3,393



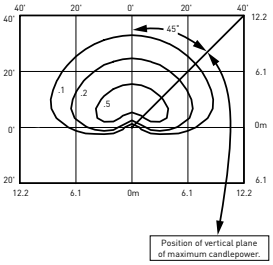
DPT-A-SB-FR-A-30K-UL-UF
Mounting Height: 10' (3.0m) A.F.G.
Initial Delivered Lumens: 3,400
Initial FC at grade

Frosted Glass Lens				
Input Power Designator	3000K		4000K	
	Initial Source Lumens*	BUG Ratings** Per TM-15-11	Initial Source Lumens*	BUG Ratings** Per TM-15-11
A	3,400	B1 U5 G2	3,780	B1 U5 G2

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf.



RESTL Test Report #: PL03785-004
DPT-A-SB-FR-A-30K-UL-UF w/DPT-BLS
Initial Delivered Lumens: 2,547



DPT-A-SB-FR-A-30K-UL-UF w/DPT-BLS
Mounting Height: 10' (3.0m) A.F.G.
Initial Delivered Lumens: 2,550
Initial FC at grade

Frosted Glass Lens w/BLS Accessory				
Input Power Designator	3000K		4000K	
	Initial Source Lumens*	BUG Ratings** Per TM-15-11	Initial Source Lumens*	BUG Ratings** Per TM-15-11
A	2,550	B0 U5 G2	2,835	B0 U5 G3

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf.

FR W/ DPT-ULSBD

Frosted Glass Lens w/Uplight Shield Accessory		
Input Power Designator	3000K	4000K
	Initial Source Lumens*	Initial Source Lumens*
A	3,115	3,209

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens