



A65LED PRINCETON SERIES

LED

EPA
2.06 (ft²)
WEIGHT
15 LBS

7 YEAR
WARRANTY

LUMEN
RANGE
4,310 to
10,570

LIFE SPAN
L70
MINIMUM
100,000
HOURS

UL
LISTED

CLICK
FOR FAQ's

JOB NAME _____

FIXTURE TYPE _____

MEMO _____

BUILD A PART NUMBER

ORDERING EXAMPLE: **2A-A65LED-5P-4L40T3-MDL05-A-PEC-FHD/480PM/4212FP4/FCC/BKT**

Mounting Config.	Fixture	Fitter	LED	CCT	Type	Driver	Lens	Option Control Receptacle	Option Control	Option Fuse	Option Decorative Ring	Option GFI	Option Terminal Block	Option House Side Shield	Arm See Arm Spec Sheets	Pole See Pole Spec Sheets	Finish

Mounting Configuration

(Click here to link to mounting configuration specification page)

- 1W • 2A • 3A90 • 1AM
- PT • 2A90 • 3APT • 2AM
- 1A • 2APT • 4A • 450PB
- 1APT • 3A • 4APT

W = Wall Mount PT = Post Top A = Arm Mount AM = Arm Mid-Mount PB = Pier Base

Fixture

- A65LED

Fitter

- 5P¹ • 991¹ • 995¹ • OL3
- 73 • 992¹ • BD4 • OL4
- 74 • 993¹ • BD5 • 588
- 990¹ • 994¹ • BD7 • C2097^{1,2}

¹ Add "T" after fitter designation for optional "Twist-lock" fitter.
² Consult factory for use on concrete poles.

LED

- 4L

CCT - Color Temperature (K)

- 27(00) • 30(00) • 35(00) • 40(00) • 50(00)

Type

- T3 • T4 • T5

Driver

- MDL02 (120v-277v, 250mA)
- MDL03 (120v-277v, 350mA)
- MDL05 (120v-277v, 500mA)
- MDL06 (120v-277v, 630mA)
- MDH02 (347v-480v, 250mA)
- MDH03 (347v-480v, 350mA)
- MDH05 (347v-480v, 500mA)
- MDH06 (347v-480v, 630mA)

Lens

- A (Acrylic Lens)

Options (Click here to view accessories sheet)

- R³ 3-Pin control receptacle only
- R⁵ 5-Pin control receptacle only
- R⁷ 7-Pin control receptacle only
- PE⁴ Twist-Lock Photocontrol (120v-277v)
- PE³ Twist-Lock Photocontrol (347v)

- PE⁴ Twist-Lock Photocontrol (480v)
- SC⁴ Shorting Cap
- PEC Electronic Button Photocontrol (120v-277v)
- PEC⁴ Electronic Button Photocontrol (480v)
- FHD⁵ Double Fuse and Holder
- CDR Cast Decorative Ring
- CDRCL⁶ Cast Decorative Ring with Custom Logo
- PBDR⁷ Perforated Brass Decorative Ring
- GFI³ 15A Duplex GFI for Utility Fitter
- TB³ Terminal Block
- HSS 120° House Side Shield

³ For 900 series utility fitter only.
⁴ Requires control receptacle.
⁵ Ships loose for installation in base.
⁶ Consult factory for specification details.
⁷ Standard is polished, for painted ring specify PBDR-P.

Arm (Click here to link to arm specification page)

See Arms & Wall Brackets specification sheets.

- 50 • 478 • 80 • 55 • 579 • TASC
- 78 • 70 • 480 • 6236 • TA • 39

Pole (Click here to link to pole specification page)

See Pole specification sheets.

Finish

Standard Finishes⁸

- BKT Black Textured
- WHT White Textured
- PGT Park Green Textured
- ABZT Architectural Medium Bronze Textured
- DBT Dark Bronze Textured

⁸ Smooth finishes are available upon request

Custom Finishes⁹

- OI Old Iron
- RT Rust
- WBR Weathered Brown
- CD Cedar
- WBK Weathered Black
- TT Two Tone

⁹ Custom colors require upcharge.

Sternberg Select Finishes

- VG Verde Green
- SI Swedish Iron
- OWGT Old World Gray Textured

Specifications

Fixture

The Princeton series is a stylized Victorian acorn fixture which consists of a decorative cast aluminum fitter and high efficiency prismatic acrylic acorn. It shall be appointed with a cast aluminum decorative 4-vane finial. The Luminaire shall be UL listed in US and Canada.

Fitter - Standard

The fitter shall be heavy wall cast aluminum, 356 alloy for high tensile strength. It shall have an 8-1/2" inside diameter opening to attach to the 8" neck of the acorn globe. When ordered with a Sternberg aluminum pole, the fitter shall be welded to the pole top or tenon for safety and to ensure the fixture will be plumb, secure and level over the life of the installation. The fitter shall have a one-piece ring bug gasket to resist insect penetration into lamp assembly.

900 Series Utility Fitter Option

The fitter shall be heavy wall cast aluminum, 360 die cast alloy for high tensile strength. It shall have a 9-1/4" inside diameter opening to attach to the 8" neck of the acorn globe. It shall have a hinged, tool-less entry door that provides open access to all of the components. The 900 series shall have an optional terminal block for ease of wiring, an optional Twist-Lock Photocontrol receptacle, an optional single GFCI outlet for auxiliary power needs. The top mounted driver mounting plate shall be cast aluminum and provide tool-less removal from the housing using 2 finger latches. The fitter shall have a one-piece ring gasket to resist insect penetration into globe assembly. When supplied with GFCI receptacle a hole will be provided for cord and plug installation with the access door closed. When cord and plug is not in use a filler plug will be provided and shall be tethered to the fitter for easy recovery and installation.

See next page

A65LED PRINCETON SERIES

LED

Twist-Lock Fitter (Optional)

The TL (Twist-Lock) fitter shall have an aluminum die-cast twist-lock mechanism. The tool-less 1/4 turn action allows for easy globe removal and replacement. A die-cast ring assembly is mechanically attached to the globe and is removable if the globe is broken or replaced.

LED's

The luminaire shall use high output, high brightness LED's. The Chip on Board (COB) LED components are mounted to vertical heat sinks. The LED's and printed circuit boards shall be 100% recyclable; they shall also be protected from moisture and corrosion by a conformal coating of 1 to 3 mils. They shall not contain lead, mercury or any other hazardous substances and shall be RoHS compliant. The LED life rating data shall be determined in accordance with IESNA LM-80. The High Performance white LED's will have a life expectancy of approximately 100,000 hours with not less than 70% of original brightness (lumen maintenance), rated at 25°C. The High Brightness, High Output LED's shall be 4000K (2700K, 3000K, 3500K or 5000K option) color temperature with a minimum CRI of 70. Consult factory for custom color CCT. The luminaire shall have a minimum _____ (see table) delivered initial lumen rating when oper-

ated at steady state with an average ambient temperature of 25°C (77°F).

Optics

The luminaire shall be provided with refractor type optics from external prismatic acorn. Testing shall be done in accordance with IESNA LM-79.

Electronic Drivers

The LED driver shall be U.L. Recognized. It shall be securely mounted inside the fixture, for optimized performance and longevity. It shall be supplied with a quick-disconnect electrical connector on the power supply, providing easy power connections and fixture installation. It shall have overload as well as short circuit protection, and have a DC voltage output, constant current design, 50/60HZ. It shall be supplied with line-ground, line-neutral and neutral-ground electrical surge protection in accordance with IEEE/ANSI C62.41.2 guidelines. It shall be dimmable using a 0-10v signal.

For sources over 50w: The driver shall have a minimum efficiency of 90%. The driver shall be rated at full load with THD<20% and a power factor of greater than 0.90. The driver shall contain over-heat protection

For sources under 50w: The driver shall have a minimum efficiency of 88%.

Photocontrols

Button Style: On a single assembly the photocontrol shall be mounted on the fixture and pre-wired to driver. On multiple head assembly's the photocontrol shall be mounted in the pole shaft on an access plate. The electronic button type photocontrol is instant on with a 5-10 second turn off, and shall turn on at 1.5 footcandles with a turn-off at 2-3 footcandles. Photocontrol is 120-277 volt and warranted for 6 years.

Twist-Lock Style: The photocontrol shall be mounted in the utility fitter and pre-wired to driver. The twist lock type photocontrol is instant on with a 3-6 second turn off, and shall turn on at 1.5 footcandles with a turn-off at 2-3 footcandles. Photocontrol is 120-277 volt and warranted for 6 years.

Warranty

Seven-year limited warranty. See product and finish warranty guide for details.

Finish

Refer to website for details.

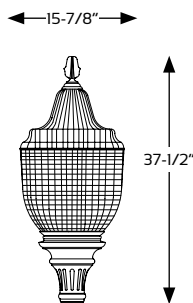
Performance

LIGHT SOURCE	T3 INITIAL LUMENS	EFFICACY (LPW)	T4 INITIAL LUMENS	EFFICACY (LPW)	T5 INITIAL LUMENS	EFFICACY (LPW)	WATTAGE
4L27T_-MDL06	9025	92.1	8985	91.7	9260	94.5	98
4L30T_-MDL06	9970	101.7	9925	101.3	10230	104.4	98
4L40T_-MDL06	10300	105.1	10250	104.6	10570	107.9	98
4L27T_-MDL05	7445	99.3	7405	98.7	7580	101.1	75
4L30T_-MDL05	8225	109.7	8175	109.0	8370	111.6	75
4L40T_-MDL05	8500	113.3	8450	112.7	8650	115.3	75
4L27T_-MDL03	5865	106.6	5815	105.7	5920	107.6	55
4L30T_-MDL03	6480	117.8	6420	116.7	6540	118.9	55
4L40T_-MDL03	6695	121.7	6635	120.6	6760	122.9	55
4L27T_-MDL02	4330	108.3	4310	107.8	4370	109.3	40
4L30T_-MDL02	4785	119.6	4760	119.0	4825	120.6	40
4L40T_-MDL02	4945	123.6	4920	123.0	4985	124.6	40

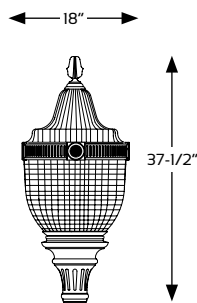
A65LED PRINCETON SERIES

LED

Fixtures



A65LED-5P



CDR Option



PBDR
Perforated Brass
Decorative Ring



CDR-CL
Custom Logo
or Medallion

Fitters

10-1/8" W
10-3/8" H



5P or 5T*
Fits 3" OD
x 3" tall
tenon/pole

10-1/8" W
10-1/8" H



BD4
Fits 4" OD
x 5" tall
tenon/pole

10-1/8" W
10-1/4" H



BD5
Fits 5" OD
x 6" tall
tenon/pole

10-1/8" W
11-3/4" H



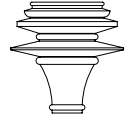
BD7
Fits 7" OD
x 1" tall
tenon/pole

9-3/4" W
13-1/4" H



73
Fits 3" OD
x 4" tall
tenon/pole
74
Fits 4" OD
x 4" tall
tenon/pole

14-1/2" W
14-1/4" H



588
(Art Deco I)
Fits 3" OD
x 3" tall
tenon/pole

10-1/2" W
15-3/4" H



990 or 990T*
Fits 3" OD
x 3" tall
tenon/pole
994 or 994T*
Fits 4" OD
x 3" tall
tenon/pole

10-1/2" W
13-1/8" H



991 or 991T*
Fits 3" OD
x 3" tall
tenon/pole

10-1/2" W
13-1/8" H



992 or 992T*
Fits 3" OD
x 3" tall
tenon/pole

10-1/2" W
15-3/4" H



993 or 993T*
Fits 3" OD
x 3" tall
tenon/pole
995 or 995T*
Fits 4" OD
x 3" tall
tenon/pole

10-1/2" W
11-3/8" H



OL3
Fits 3" OD
x 3" tall
tenon/pole
OL4
Fits 4" OD
x 3" tall
tenon/pole

10" W
3-1/4" H



**C2097 or
C2097T***
Fits 7" OD
x 1" tall
tenon/pole

*Twist Lock Acorn (Fitter TL)