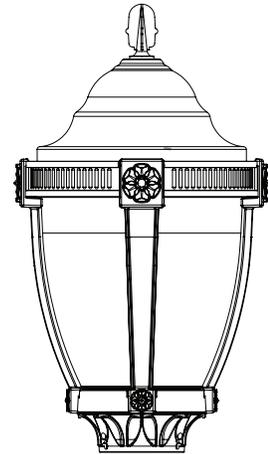


Traditional design, performance, and value combined.

CityPost LED POST TOP LUMINAIRE



PHILIPS HADCO, CITYPOST LED POST TOP LUMINAIRE, TX1

An optimal balance of standard features and accessories results in a competitively positioned luminaire to address a variety of outdoor lighting projects, efficiently illuminating streets, parks, cities, campuses and city centers. Powered by the Philips LEDgene platform, CityPost can considerably reduce operating and maintenance costs while offering superior photometric performance. This IP66 lighting solution delivers a soft and diffused light at night which will contribute to the beautification of its surroundings with a decorative and traditional look and feel during the day.

Project: _____
 Location: _____
 Catalog No: _____
 Fixture Type: _____
 Mfg: _____ Qty: _____
 Notes: _____

Ordering guide

example: TX1 32 BHLPA1A2ENA3N

| Series | LED | Globe | Fitter/Pod | Roof | Cage/ Band | Finial | Fasteners | Finish | Optics | Photo Control | Color Temp. | Voltage | Drive Current | Dimming Control |
|--------|---|-------------------------------------|--|---------------|----------------------|--|---|--|--|--|---------------------------------|---|-----------------------------|---|
| TX1 | | | | L | | | | | | | | | | |
| | 32 32 LEDs 48 48 LEDs 64 64 LEDs 80 ¹ 80 LEDs | | H Round Contemporary J Tapered Fluted w/Round stepped fitter L Round fluted long S ² Traditional | | P Ribbed Q Smooth | | 1 ³ Hex Head 2 Allen Head | | 2 Type II 3 Type III 4 Type IV 5 Type V | | N 4000K C ⁴ 5700K | | 3 350 5 ⁴ 530 | |
| TX1 | | B Opal C Clear D Vertical Rib | | L Traditional | | A A Finial B B Finial C C Finial D D Finial E E Finial F F Finial G G Finial H H Finial N None | | A Black B White G Verde H Bronze J Green | | E ³ 120 VAC Button Eye H ³ 208/240/277 VAC Button Eye K ³ 347V Button Eye R ³ Twist-lock Receptacle N None | | A 120-277 VAC B ⁵ 347-480 VAC | | N None A 4 Hrs, 25% reduction B 4 Hrs, 50% reduction C 4 Hrs, 75% reduction D 6 Hrs, 25% reduction E 6 Hrs, 50% reduction F 6 Hrs, 75% reduction G 8 Hrs, 25% reduction H 8 Hrs, 50% reduction J 8 Hrs, 75% reduction Z Custom Dimming Schedule |

1. 80 LED configuration available with 350 mA only.
 2. Photo control options not available with 'S' pod.
 3. Not available with Traditional 'S' pod.

4. Consult factory, Cool White option increases lead times.
 5. No dimming options available with 347-480 VAC.
 6. Not available with 80 LED array.



Specifications

Applications

The TX1 is the perfect LED solution for decorative street lighting. Other application locations include: residential streets, city streets, campuses and parking lots. The performance, energy savings, and uniformity of this luminaire make it an ideal post top LED solution.

Optional Pods

H: Round contemporary fitter is constructed of 356 HM High-Strength, Low-Copper cast aluminum. Optional internal twist-lock photo eye receptacle or optional internal button eye photocell. Easy access to photocell through tool-less door on pod. Heavy cast aluminum post fitter utilizes three 5/16-18 black cadmium stainless steel set screws (Hex head or Allen head as specified) for mounting to 3" O.D. post tenon. Pod height is 10" and width is 10". Finish is polyester thermoset powdercoat.

J: Tapered fluted fitter with round stepped fitter is constructed of 356 HM High-Strength, Low-Copper cast aluminum. Accepts standard HADCO Twistlock ballast assemblies up to 250W HPS or 250W MH. Optional internal twist-lock photo eye receptacle. Tool-less access to photo eye through the door on the pod. Heavy cast aluminum post fitter utilizes six 5/16-18 black cadmium stainless steel set screws (Hex head or Allen head as specified) for mounting to 3" O.D. post tenon. Globe. Pod height is 14" and width is 10". Finish is polyester thermoset powdercoat.

L: Round fluted long fitter is constructed of 356 HM High-Strength, Low-Copper cast aluminum with a side-hinged door providing entry into the fitter assembly for easy access to the electrical components. Optional internal twist-lock photo eye receptacle or button eye photocell. Tool-less access to photo eye through the door on the pod. Heavy cast aluminum post fitter utilizes three 5/16-18 black cadmium stainless steel set screws (Hex head or Allen head as specified) for mounting to 3" O.D. post tenon. Pod height is 12-1/2" and width is 10-3/4". Finish is polyester thermoset powdercoat.

S: Short fitter is constructed of 356 HM High-Strength, Low-Copper cast aluminum. Heavy cast aluminum post fitter utilizes six 5/16-18 black cadmium stainless steel set screws (Hex head or Allen head as specified) for mounting to 3" O.D. post tenon. Globe is attached using four 5/16-18 black cadmium stainless steel fasteners (Hex head). Pod height is 2 15/16 and width is 9 1/4". Finish is polyester thermoset powdercoat.

Roof

L: Roof is 0.06" thick spun aluminum. 9 3/8" height and 15 1/4" width. The roof is secured to the cage with 4 8-32 screws. Finish is polyester thermoset powdercoat. Roof is easily removable to access LED engine and driver.

Cage

P: Cage is constructed 356 HM high strength aluminum alloy. Cage has 4 legs each with square decorative flower block. Ribbed rectangular band around top of cage. Height of cage is 18 1/2" and width of cage is 18 1/2". Finish is polyester thermoset powdercoat.

Q: Cage is constructed 356 HM high strength aluminum alloy. Cage has 4 legs each with square decorative flower block. Solid rectangular band around top of cage. Height of cage is 18 1/2" and width of cage is 18 1/2". Finish is polyester thermoset powdercoat.

Finials

All finials are cast aluminum mounted with 1/4-20 stainless steel threaded studs. Standard finial finish will match fixture finish as specified. Finish is thermoset powdercoat.

Fasteners

Used to secure post fitter to post tenon and globe to globe holder.

- 1: Hex Head Bolts: Black cadmium stainless steel.
- 2: Allen Head Bolts: Black cadmium stainless steel.

Globe

Vertical Rib globe is constructed of clear injection-molded vertically ribbed U.V.stabilized acrylic. The bottom section of the globe has a neck opening of 7 3/8" and an outside neck diameter of 8". Globe (less roof) has a 15 1/2" height and a 15" width.

Frosted Globe is made from a 50/50 mix of acrylic and UV Stabilized acrylic and polymethyl methacrylate. 14 3/4 Diameter

Clear Globe is made from a UV Stabilized acrylic. 14 3/4 Diameter

LED Specifications

Refer to IES files for energy consumption and delivered lumens for each option. Based on in-situ thermal testing and data from Philips Lumileds and Philips Advance, fixture run at 350mA can be expected to reach 100,000 hours (at >L70 lumen maintenance @ 25°C). Fixtures run at 530mA can be expected to reach 70,000 hours (at >L70 lumen maintenance @ 25°C). The Philips LEDGENE uses Philips Lumileds LEDs. Color temperatures available are ANSI Bins 4000K and 5700K CCT. Four distributions are available including Type 2, 3, 4 and 5

Electronic Driver

The driver included in the TX1 is the Philips Advance XITANIUM LED driver and is available in a 350mA & 530mA drive current. Standard driver offers 0-10V dimming capability and universal voltage input from 120-277VAC or 347-480VAC. Input frequency is 50-60Hz and all XITANIUM drivers are RoHS compliant. The driver has <3kV surge suppression built in, and the 10kV/10kA is included in an additional surge protector. Programmable dimming 0-10V is optional.

Finish

Thermoset polyester powdercoat is electrostatically applied after a five-stage conversion cleaning process and bonded by heat fusion thermosetting. Laboratory tested for superior weatherability and fade resistance in accordance with ASTM B117 specifications. For larger projects where a custom color is required, contact the factory for more information.

IP Rating

The LED driver is IP66 rated. IP66: Dust-tight and sealed against direct jets of water.

Certifications

cETL listed to Canadian safety standards for wet locations. Manufactured to ISO 9001:2008 Standards. UL8750 and UL1598 compliant. Vibration tested to ANSI C136.31 for Normal Applications. ETL listed to U.S. safety standards for wet locations. cETL listed to Canadian safety standards for wet locations. Luminaire photometric testing performed in accordance with IESNA LM-79 guidelines. Photometric .ies files that include "LM79" in the file name are verified by an independent NVLAP accredited lab. LEDs tested by an ISO 17025-2005 accredited lab in accordance with IESNA LM-80 guidelines in compliance with EPA ENERGY STAR, extrapolations in accordance with IESNA TM-21. RoHS compliant LEDs and LED drivers.

Warranty

5 year extended warranty

Awards and Recognitions

Buy American and ARRA Compliant - commercially available off-the-shelf (COTS) product proudly designed and Made in the U.S.A.

Options

Optional integral surge suppression device tested in accordance with ANSI/IEEE C62.45 per ANSI/IEEE C62.41.2 Scenario I Category C High Exposure 10kV/10kA waveforms for Line-Ground, Line-Neutral and Neutral-Ground. Enclosure for surge suppression device is constructed of high temperature, flameproof material with an 85°C maximum surface temperature rating. The device consists of a thermally protected transient overvoltage circuit and is designed for use with universal voltage ballasts and drivers.

Max EPA

1.70 sq. ft.

Max Weight

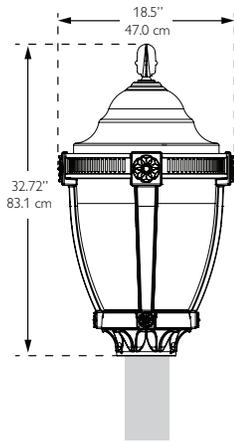
1.70 sq. ft.

IESNA Classifications:

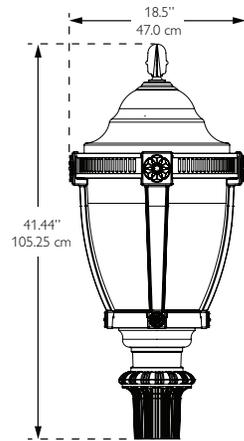
See .ies files. Deprecated: Refer to BUG Ratings.

Dimensions

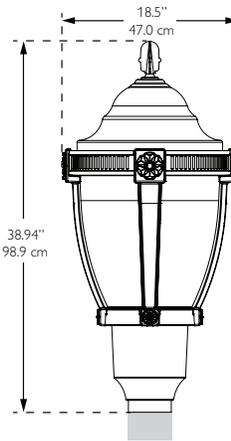
Traditional (S)



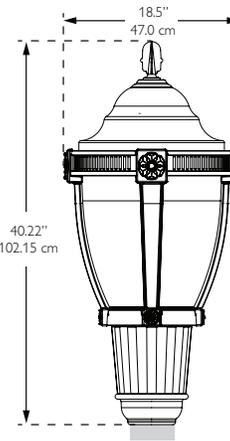
Tapered Fluted with Round Stepped Fitter (J)



Round Contemporary (H)



Round Fluted Long (L)



TX1 Performance Data - Clear Globe

| # of LEDs | Optic | Color Temp. | Driver | Wattage | Delivered Lumens | Efficacy | BUG Rating |
|-----------|--------|-------------|--------|---------|------------------|----------|------------|
| 32 | Type 3 | 4000K | 350mA | 35 | 2413 | 68 | B1-U2-G1 |
| 48 | Type 3 | 4000K | 350mA | 54 | 3634 | 68 | B1-U2-G1 |
| 64 | Type 3 | 4000K | 350mA | 69 | 4646 | 67 | B1-U2-G1 |
| 80 | Type 3 | 4000K | 350mA | 86 | 5787 | 67 | B1-U2-G1 |
| 32 | Type 3 | 4000K | 530mA | 52 | 3399 | 66 | B1-U2-G1 |
| 48 | Type 3 | 4000K | 530mA | 79 | 5118 | 65 | B1-U2-G1 |
| 64 | Type 3 | 4000K | 530mA | 101 | 6544 | 65 | B2-U3-G2 |

| # of LEDs | Optic | Color Temp. | Driver | Wattage | Delivered Lumens | Efficacy | BUG Rating |
|-----------|--------|-------------|--------|---------|------------------|----------|------------|
| 32 | Type 5 | 4000K | 350mA | 35 | 2463 | 70 | B2-U2-G1 |
| 48 | Type 5 | 4000K | 350mA | 55 | 3719 | 68 | B2-U2-G1 |
| 64 | Type 5 | 4000K | 350mA | 69 | 4759 | 69 | B3-U2-G1 |
| 80 | Type 5 | 4000K | 350mA | 86 | 5908 | 69 | B3-U2-G1 |
| 32 | Type 5 | 4000K | 530mA | 52 | 3470 | 67 | B2-U2-G1 |
| 48 | Type 5 | 4000K | 530mA | 78 | 5242 | 67 | B3-U2-G1 |
| 64 | Type 5 | 4000K | 530mA | 101 | 6706 | 66 | B3-U2-G1 |

TX1 Performance Data - Opal Globe

| # of LEDs | Optic | Color Temp. | Driver | Wattage | Delivered Lumens | Efficacy | BUG Rating |
|-----------|--------|-------------|--------|---------|------------------|----------|------------|
| 32 | Type 3 | 4000K | 350mA | 36 | 2194 | 62 | B1-U3-G1 |
| 48 | Type 3 | 4000K | 350mA | 54 | 3376 | 63 | B1-U3-G2 |
| 64 | Type 3 | 4000K | 350mA | 69 | 4323 | 63 | B1-U3-G2 |
| 80 | Type 3 | 4000K | 350mA | 86 | 5348 | 62 | B2-U3-G3 |
| 32 | Type 3 | 4000K | 530mA | 126 | 8320 | 66 | B3-U2-G2 |
| 48 | Type 3 | 4000K | 530mA | 79 | 4756 | 61 | B1-U3-G2 |
| 64 | Type 3 | 4000K | 530mA | 102 | 6089 | 60 | B2-U3-G3 |

| # of LEDs | Optic | Color Temp. | Driver | Wattage | Delivered Lumens | Efficacy | BUG Rating |
|-----------|--------|-------------|--------|---------|------------------|----------|------------|
| 32 | Type 5 | 4000K | 350mA | 35 | 2282 | 65 | B1-U3-G2 |
| 48 | Type 5 | 4000K | 350mA | 54 | 3446 | 64 | B2-U3-G2 |
| 64 | Type 5 | 4000K | 350mA | 69 | 4410 | 64 | B2-U3-G2 |
| 80 | Type 5 | 4000K | 350mA | 86 | 5474 | 64 | B2-U3-G3 |
| 32 | Type 5 | 4000K | 530mA | 52 | 3215 | 62 | B2-U3-G2 |
| 48 | Type 5 | 4000K | 530mA | 79 | 4857 | 62 | B2-U3-G2 |
| 64 | Type 5 | 4000K | 530mA | 101 | 6214 | 61 | B3-U3-G3 |

TX1 Performance Data - Vertical Ribbed Globe

| # of LEDs | Optic | Color Temp. | Driver | Wattage | Delivered Lumens | Efficacy | BUG Rating |
|-----------|--------|-------------|--------|---------|------------------|----------|------------|
| 32 | Type 3 | 4000K | 350mA | 35 | 2442 | 69 | B1-U2-G1 |
| 48 | Type 3 | 4000K | 350mA | 54 | 3687 | 69 | B1-U2-G1 |
| 64 | Type 3 | 4000K | 350mA | 69 | 4718 | 68 | B1-U2-G1 |
| 80 | Type 3 | 4000K | 350mA | 86 | 5856 | 68 | B2-U2-G1 |
| 32 | Type 3 | 4000K | 530mA | 52 | 3440 | 66 | B1-U2-G1 |
| 48 | Type 3 | 4000K | 530mA | 79 | 5196 | 66 | B1-U2-G1 |
| 64 | Type 3 | 4000K | 530mA | 102 | 6648 | 65 | B2-U3-G2 |

| # of LEDs | Optic | Color Temp. | Driver | Wattage | Delivered Lumens | Efficacy | BUG Rating |
|-----------|--------|-------------|--------|---------|------------------|----------|------------|
| 32 | Type 5 | 4000K | 350mA | 35 | 2463 | 70 | B2-U2-G1 |
| 48 | Type 5 | 4000K | 350mA | 53 | 3719 | 70 | B2-U2-G1 |
| 64 | Type 5 | 4000K | 350mA | 69 | 4759 | 69 | B3-U2-G1 |
| 80 | Type 5 | 4000K | 350mA | 86 | 5907 | 69 | B3-U2-G1 |
| 32 | Type 5 | 4000K | 530mA | 52 | 3469 | 67 | B2-U2-G1 |
| 48 | Type 5 | 4000K | 530mA | 78 | 5241 | 67 | B3-U2-G1 |
| 64 | Type 5 | 4000K | 530mA | 101 | 6705 | 66 | B3-U2-G1 |

Note: Data shown for Type 3 and Type 5 distributions only. Refer to IES file charts for complete wattage and lumen output information for each option.



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