



Project: _____
 Location: _____
 Cat.No: _____
 Type: _____
 Lamps: _____ Qty: _____
 Notes: _____

The Hadco City Post LED post top luminaire provides 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.

Ordering guide

Example: TX1 32 G2 B H L P A 1 A 3 N W A 5 N N NSP1 N

Series	LED count	Gen.	Globe	Pod	Roof	Cage/ Band	Finial	Fastener	Finish	Optics	Photo Control	Color Temp	Voltage	Drive Current (mA)
TX1		G2			L									
TX1 City Touch	32³ 32 LEDs 48 48 LEDs 64¹ 64 LEDs	G2 Gen2	B Opal C Clear D Vertical Ribbed	H Round Contemporary J Tapered fluted with stepped fitter L Round fluted long S Traditional	L Traditional	P Ribbed Q Smooth	A B C D E G H N	1 Hex Head 2 Allen Head	A Black B White G Verde H Bronze J Green	2 Type 3 3 Type 3 3W Type 3 Wide 4 Type 4 5 Type 5	E 120 VAC Button Eye H 208/240/277 VAC Button Eye R 3 Pin Twist Lock Receptacle N None	N Neutral 4000K W Warm 3000K	A 120-277 B^{2,3} 347-480	3 350mA 5 530mA 7¹ 700mA

Integral Control Options ²	Options			Surge Protection	House Side Shield
	No. 1 ²	No. 2 ²	No. 3 ²		
Dynadimmer	AST Adj. Start Up Time N None	CLO Constant Light Output N None	OTL Over The Life N None	SP1 10kV/10kA SP2 20kV/20kA	H House Side Shield N None
DA 4 Hrs, 25% reduction	DE 6 Hrs, 50% reduction	DJ 8 Hrs, 75% reduction			
DB 4 Hrs, 50% reduction	DF 6 Hrs, 75% reduction	N None			
DC 4 Hrs, 75% reduction	DG 8 Hrs, 25% reduction				
DD 6 Hrs, 25% reduction	DH 8 Hrs, 50% reduction				

Powered by the Signify LEDgine 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.

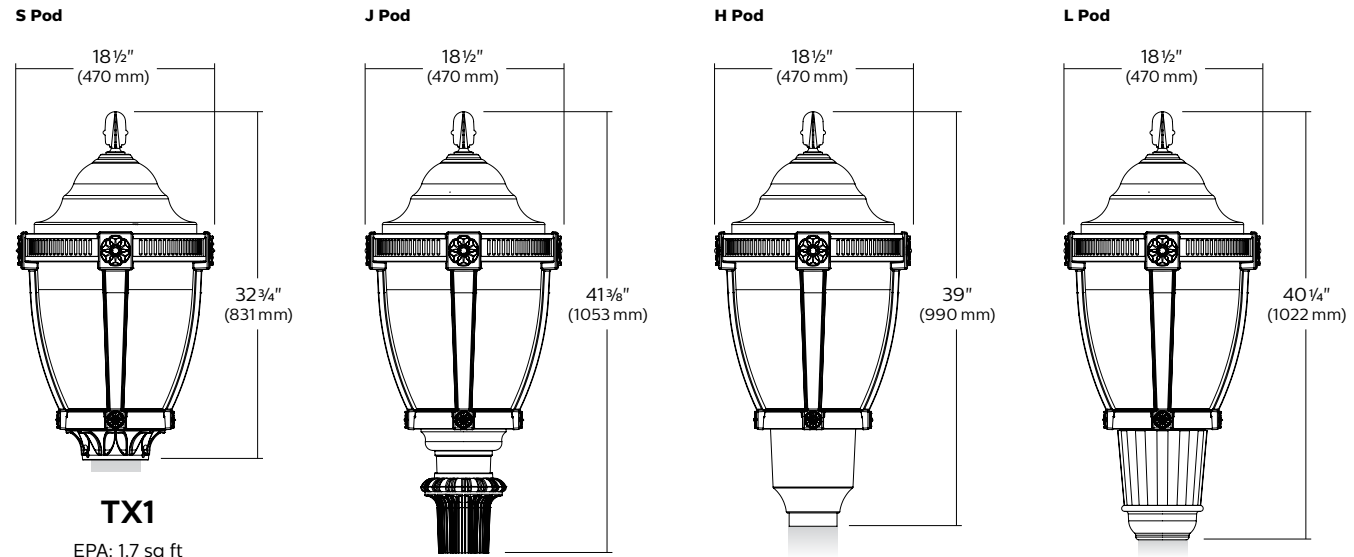
1. Not available as 64 LED with 700mA.
 2. Configurations with 347-480VAC (B) voltage are not compatible with optional dimming or optional programming.
 3. Configurations with 32 (32) LEDs at 350mA (3), 530mA (5) and 1050mA (1) currents are not compatible with 347-480 VAC (B) voltage.



TX1 City Post

Post top

Dimensions



TX1

EPA: 1.7 sq ft

Weight: 39-44 lbs (17.7-20 kg)

LED Wattage and Lumen Values: for TX1 with Clear Globe

Ordering Codes	Total LEDs	LED current (mA)	Average System Wattage ¹ (W)	Type 2			Type 3			Type 3w			Type 4			Type 5		
				Lumen Output ²	BUG Rating	Effic. (LPW)	Lumen Output ²	BUG Rating	Effic. (LPW)	Lumen Output ²	BUG Rating	Effic. (LPW)	Lumen Output ²	BUG Rating	Effic. (LPW)	Lumen Output ²	BUG Rating	Effic. (LPW)
Clear Globe (3000K)																		
32-G2-C-x-W3	32	350	38	2726	B1-U2-G1	72	2766	B1-U2-G1	73	2760	B1-U2-G1	73	2763	B1-U2-G1	73	2820	B2-U2-G1	75
32-G2-C-x-W5	32	530	53	3909	B1-U2-G1	74	3968	B1-U2-G1	75	3958	B1-U2-G1	75	3963	B1-U2-G1	75	4044	B3-U2-G1	76
32-G2-C-x-W7	32	700	71	4930	B1-U2-G1	69	5004	B1-U2-G1	70	4992	B1-U2-G1	70	4998	B1-U2-G1	70	5101	B3-U2-G1	72
48-G2-C-x-W3	48	350	51	4088	B1-U2-G1	80	4150	B1-U2-G1	81	4139	B1-U2-G1	81	4144	B1-U2-G1	81	4229	B3-U2-G1	83
48-G2-C-x-W5	48	530	79	5864	B1-U3-G1	74	5952	B1-U3-G1	75	5937	B2-U2-G2	75	5944	B1-U2-G2	75	6067	B3-U2-G1	77
48-G2-C-x-W7	48	700	106	7396	B2-U3-G2	70	7507	B2-U3-G2	71	7488	B2-U3-G2	71	7497	B2-U3-G2	71	7651	B3-U2-G2	72
64-G2-C-x-W3	64	350	68	5101	B1-U2-G1	75	5200	B1-U2-G1	76	5325	B1-U2-G1	78	5166	B1-U2-G1	76	5497	B3-U2-G1	81
64-G2-C-x-W5	64	350	104	7317	B2-U3-G2	70	7459	B2-U3-G2	72	7638	B2-U3-G2	73	7411	B2-U3-G2	71	7884	B3-U2-G2	76
64-G2-C-x-W7	64	700	135	9229	B2-U3-G2	68	9407	B2-U3-G2	69	9634	B2-U3-G2	71	9346	B2-U3-G2	69	9944	B4-U3-G2	73
Clear Globe (4000K)																		
32-G2-C-x-N3	32	350	38	3062	B1-U2-G1	81	3108	B1-U2-G1	82	3101	B1-U2-G1	82	3104	B1-U2-G1	82	3168	B2-U2-G1	84
32-G2-C-x-N5	32	530	53	4393	B1-U2-G1	83	4458	B1-U2-G1	84	4448	B1-U2-G1	84	4453	B1-U2-G1	84	4544	B3-U2-G1	86
32-G2-C-x-N7	32	700	71	5540	B1-U3-G1	78	5623	B1-U2-G1	79	5609	B2-U2-G2	79	5616	B1-U2-G2	79	5731	B3-U2-G1	81
48-G2-C-x-N3	48	350	51	4594	B1-U2-G1	90	4662	B1-U2-G1	91	4651	B1-U2-G1	91	4656	B1-U2-G1	91	4752	B3-U2-G1	93
48-G2-C-x-N5	48	530	79	6589	B2-U3-G2	83	6688	B2-U3-G2	85	6671	B2-U2-G2	84	6679	B2-U3-G2	85	6816	B3-U2-G2	86
48-G2-C-x-N7	48	700	106	8310	B2-U3-G2	78	8435	B2-U3-G2	80	8414	B2-U3-G2	79	8424	B2-U3-G2	80	8597	B3-U3-G2	81
64-G2-C-x-N3	64	350	68	5732	B1-U3-G1	84	5843	B1-U2-G1	86	5983	B2-U2-G2	88	5805	B1-U2-G2	85	6176	B3-U2-G1	91
64-G2-C-x-N5	64	350	104	8222	B2-U3-G2	79	8381	B2-U3-G2	81	8582	B2-U3-G2	83	8327	B2-U3-G2	80	8859	B3-U3-G2	85
64-G2-C-x-N7	64	700	135	10369	B2-U3-G2	77	10569	B2-U3-G2	78	10824	B2-U3-G2	80	10501	B2-U3-G2	78	11173	B4-U3-G2	83

Actual performance may vary due to installation variables including optics, mounting/ceiling height, dirt depreciation, light loss factor, etc.; highly recommended to confirm performance with a layout - contact Applications at outdoorlighting.applications@philips.com.

Note: Some data may be scaled based on tests on similar but not identical luminaires.

TX1 City Post

Post top

LED Wattage and Lumen Values: for TX1 with Opal Globe

Ordering Codes	Total LEDs	LED current (mA)	Average System Wattage ¹ (W)	Type 2			Type 3			Type 3w			Type 4			Type 5		
				Lumen Output ²	BUG Rating	Effic. (LPW)	Lumen Output ²	BUG Rating	Effic. (LPW)	Lumen Output ²	BUG Rating	Effic. (LPW)	Lumen Output ²	BUG Rating	Effic. (LPW)	Lumen Output ²	BUG Rating	Effic. (LPW)
Opal Globe (3000K)																		
32-G2-B-x-W3	32	350	38	2431	B1-U3-G2	64	2474	B1-U3-G2	66	2500	B1-U3-G2	66	2491	B1-U3-G2	66	2568	B1-U3-G2	68
32-G2-B-x-W5	32	530	53	3488	B1-U3-G2	66	3549	B1-U3-G2	67	3586	B1-U3-G2	68	3573	B1-U3-G2	67	3683	B2-U3-G2	69
32-G2-B-x-W7	32	700	71	4398	B1-U3-G2	62	4476	B1-U3-G3	63	4523	B1-U3-G3	64	4506	B1-U3-G3	63	4645	B2-U3-G3	65
48-G2-B-x-W3	48	350	51	3647	B1-U3-G2	72	3712	B1-U3-G2	73	3750	B1-U3-G3	74	3736	B1-U3-G3	73	3852	B2-U3-G2	76
48-G2-B-x-W5	48	530	79	5231	B2-U3-G3	66	5324	B1-U3-G3	67	5379	B1-U3-G3	68	5359	B1-U3-G3	68	5525	B2-U3-G3	70
48-G2-B-x-W7	48	700	106	6598	B2-U4-G3	62	6714	B2-U4-G3	63	6784	B2-U4-G3	64	6759	B2-U4-G3	64	6968	B3-U4-G3	66
64-G2-B-x-W3	64	350	68	4590	B1-U3-G2	68	4690	B1-U3-G3	69	4771	B1-U3-G3	70	4632	B1-U3-G3	68	4967	B2-U3-G3	73
64-G2-B-x-W5	64	350	104	6584	B2-U4-G3	63	6727	B2-U4-G3	65	6843	B2-U4-G3	66	6645	B1-U4-G3	64	7125	B3-U4-G3	69
64-G2-B-x-W7	64	700	135	8304	B2-U4-G3	61	8484	B2-U4-G3	63	8630	B2-U4-G4	64	8380	B2-U4-G4	62	8986	B3-U4-G3	66
Opal Globe (4000K)																		
32-G2-B-x-N3	32	350	38	2732	B1-U3-G2	72	2780	B1-U3-G2	74	2809	B1-U3-G2	74	2799	B1-U3-G2	74	2885	B2-U3-G2	76
32-G2-B-x-N5	32	530	53	3919	B1-U3-G2	74	3988	B1-U3-G2	75	4029	B1-U3-G3	76	4014	B1-U3-G3	76	4138	B2-U3-G2	78
32-G2-B-x-N7	32	700	71	4942	B1-U3-G3	70	5029	B1-U3-G3	71	5082	B1-U3-G3	72	5063	B1-U3-G3	71	5219	B2-U3-G3	74
48-G2-B-x-N3	48	350	51	4098	B1-U3-G2	80	4170	B1-U3-G3	82	4214	B1-U3-G3	83	4198	B1-U3-G3	82	4328	B2-U3-G3	85
48-G2-B-x-N5	48	530	79	5878	B2-U4-G3	74	5982	B2-U4-G3	76	6044	B2-U4-G3	77	6022	B1-U4-G3	76	6208	B2-U3-G3	79
48-G2-B-x-N7	48	700	106	7413	B2-U4-G3	70	7544	B2-U4-G3	71	7623	B2-U4-G3	72	7595	B2-U4-G3	72	7829	B3-U4-G3	74
64-G2-B-x-N3	64	350	68	5158	B1-U3-G3	76	5269	B1-U3-G3	77	5360	B1-U3-G3	79	5205	B1-U3-G3	77	5581	B2-U3-G3	82
64-G2-B-x-N5	64	350	104	7398	B2-U4-G3	71	7558	B2-U4-G3	73	7688	B2-U4-G3	74	7466	B2-U4-G3	72	8006	B3-U4-G3	77
64-G2-B-x-N7	64	700	135	9330	B2-U4-G3	69	9532	B2-U4-G4	70	9697	B2-U4-G4	72	9416	B2-U4-G4	70	10097	B3-U4-G4	75

LED Wattage and Lumen Values: for TX1 with Vertical Ribbed Globe

Ordering Codes	Total LEDs	LED current (mA)	Average System Wattage ¹ (W)	Type 2			Type 3			Type 3w			Type 4			Type 5		
				Lumen Output ²	BUG Rating	Effic. (LPW)	Lumen Output ²	BUG Rating	Effic. (LPW)	Lumen Output ²	BUG Rating	Effic. (LPW)	Lumen Output ²	BUG Rating	Effic. (LPW)	Lumen Output ²	BUG Rating	Effic. (LPW)
Vertical Ribbed Globe (3000K)																		
32-G2-D-x-W3	32	350	38	2717	B1-U2-G1	72	2785	B1-U2-G1	74	2766	B1-U2-G1	73	2750	B1-U2-G1	73	2826	B2-U2-G1	75
32-G2-D-x-W5	32	530	53	3898	B1-U2-G1	74	3995	B1-U2-G1	75	3968	B1-U2-G1	75	3944	B1-U2-G1	74	4054	B3-U2-G1	76
32-G2-D-x-W7	32	700	71	4916	B1-U2-G1	69	5039	B1-U2-G1	71	5004	B1-U2-G1	70	4974	B1-U2-G1	70	5113	B3-U2-G1	72
48-G2-D-x-W3	48	350	51	4076	B1-U2-G1	80	4178	B1-U2-G1	82	4150	B1-U2-G1	81	4125	B1-U2-G1	81	4239	B3-U2-G1	83
48-G2-D-x-W5	48	530	79	5846	B1-U3-G1	74	5993	B1-U2-G1	76	5952	B2-U2-G2	75	5916	B1-U2-G2	75	6081	B3-U2-G1	77
48-G2-D-x-W7	48	700	106	7373	B2-U3-G2	70	7558	B2-U3-G2	71	7507	B2-U3-G2	71	7462	B2-U3-G2	70	7669	B3-U2-G2	72
64-G2-D-x-W3	64	350	68	5089	B1-U2-G1	75	5167	B1-U2-G1	76	5326	B1-U2-G1	78	5202	B1-U2-G1	77	5552	B3-U2-G1	82
64-G2-D-x-W5	64	350	104	7300	B2-U3-G2	70	7411	B2-U3-G2	71	7639	B2-U3-G2	73	7462	B2-U3-G2	72	7964	B3-U2-G2	77
64-G2-D-x-W7	64	700	135	9207	B2-U3-G2	68	9347	B2-U3-G2	69	9635	B2-U3-G2	71	9411	B2-U3-G2	70	10044	B4-U3-G2	74
Vertical Ribbed Globe (4000K)																		
32-G2-D-x-N3	32	350	38	3053	B1-U2-G1	81	3130	B1-U2-G1	83	3108	B1-U2-G1	82	3090	B1-U2-G1	82	3176	B2-U2-G1	84
32-G2-D-x-N5	32	530	53	4379	B1-U2-G1	83	4489	B1-U2-G1	85	4458	B1-U2-G1	84	4432	B1-U2-G1	84	4555	B3-U2-G1	86
32-G2-D-x-N7	32	700	71	5523	B1-U2-G1	78	5661	B1-U2-G1	80	5623	B2-U2-G2	79	5589	B1-U2-G1	79	5745	B3-U2-G1	81
48-G2-D-x-N3	48	350	51	4580	B1-U2-G1	90	4694	B1-U2-G1	92	4662	B1-U2-G1	91	4634	B1-U2-G1	91	4763	B3-U2-G1	93
48-G2-D-x-N5	48	530	79	6569	B2-U3-G2	83	6733	B2-U3-G2	85	6688	B2-U2-G2	85	6648	B1-U3-G2	84	6833	B3-U2-G2	86
48-G2-D-x-N7	48	700	106	8285	B2-U3-G2	78	8492	B2-U3-G2	80	8435	B2-U3-G2	80	8384	B2-U3-G2	79	8617	B3-U3-G2	81
64-G2-D-x-N3	64	350	68	5718	B1-U3-G1	84	5805	B1-U2-G1	85	5984	B2-U2-G2	88	5845	B1-U2-G2	86	6238	B3-U2-G1	92
64-G2-D-x-N5	64	350	104	8202	B2-U3-G2	79	8327	B2-U3-G2	80	8584	B2-U3-G2	83	8384	B2-U3-G2	81	8948	B3-U3-G2	86
64-G2-D-x-N7	64	700	135	10345	B2-U3-G2	76	10502	B2-U3-G2	78	10826	B2-U3-G2	80	10574	B2-U3-G2	78	11286	B4-U3-G2	83

Actual performance may vary due to installation variables including optics, mounting/ceiling height, dirt depreciation, light loss factor, etc.; highly recommended to confirm performance with a layout - contact Applications at outdoorlighting.applications@philips.com.

Note: Some data may be scaled based on tests on similar but not identical luminaires.

TX1 City Post

Post top

Specifications

Roof

The "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.

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.

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.

Fitter/Pod Options



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.

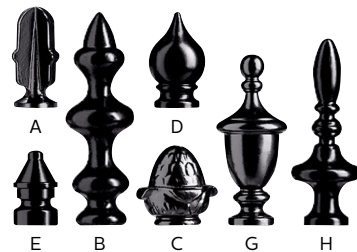
Fasteners

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.

Finial

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.

Light Engine

LEDgine is composed of five main components: Heat Sink, Lens, LED lamp, Optical System, and Driver. Electrical components are RoHS compliant.

LED Module

Composed of high-performance white LEDs. Color temperature as per ANSI/NEMA bin - Neutral White, 4000 Kelvin nominal (3985K +/- 275K or 3710K to 4260K) or Warm White, 3000 Kelvin nominal (3045K +/- 175K or 2870K to 3220K), CRI 70 Min. 75 Typical.

Heat Sink

Made of cast aluminum optimizing the LEDs efficiency and life. Product does not use any cooling device with moving parts (only passive cooling device).

Optical System

Type 2, 3, 3W 4 and 5 are composed of high performance optical grade PMMA acrylic refractor lenses to achieve desired distribution optimized to get maximum spacing, target lumens and a superior lighting uniformity. Optical system is rated IP66. Performance shall be tested per LM 63, LM 79 and TM 15 (IESNA) certifying its photometric performance. Street side indicated.

Driver

Driver comes standard with 0-10V dimming capability. High power factor of 95%. Electronic driver, operating range 50/60 Hz. Auto adjusting universal voltage input from 120 to 277 VAC rated for both application line to line or line to neutral, Class I, THD of 20% max. Certified in compliance to UL1012 cULus requirement (dry and damp location). Assembled on a removable tray with Tyco quick disconnect plug resisting to 221°F (105°C). The current supplying the LEDs will be reduced by the driver if the driver experiences internal overheating as a protection to the LEDs and the electrical components. Output is protected from short circuits, voltage overload and current overload. Automatic recovery after correction. Standard built in driver surge protection of 2.5kV (min).

Driver Options

AST: Pre-set driver for progressive start-up of the LED module(s) to optimize energy management and enhance visual comfort at start-up.

CLO: Pre-set driver to manage the lumen depreciation by adjusting the power given to the LEDs offering the same lighting intensity during the entire lifespan of the LED module.

OTL: Pre-set driver to signal end of life of the LED module(s) for better fixture management.

TX1 City Post

Post top

Specifications (continued)

Dimming Options

- DA:** 4 Hrs 25% Reduction
- DB:** 4 Hrs 50% Reduction
- DC:** 4 Hrs 75% Reduction
- DD:** 6 Hrs 25% Reduction
- DE:** 6 Hrs 50% Reduction
- DF:** 6 Hrs 75% Reduction
- DG:** 8 Hrs 25% Reduction
- DH:** 8 Hrs 50% Reduction
- DJ:** 8 Hrs 75% Reduction

Surge Protection

Surge protector 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, and in accordance with U.S. DOE (Department of Energy) MSSLC (Municipal Solid State Street Lighting Consortium) model specification for LED roadway luminaires electrical immunity requirements for High Test Level 10kV / 10kA. Option for SP2 20kV/20kA.

Luminaire options



HS
House side shield

SP2 20kV/20kA integral surge protector (optional)

LED Performance

Predicted lumen depreciation data ¹				
Ambient Temperature (°C)	Driver mA	Calculated L ₇₀ hours ^{1,2}	L ₇₀ per TM-21 ^{2,3}	Lumen Maintenance % @ 60,000 hours
25°C	up to 700 mA	>100,000	>60,000	>90%

1. Predicted performance derived from LED manufacturer's data and engineering design estimates, based on IESNA LM-80 methodology. Actual experience may vary due to field application conditions.
2. L₇₀ is the predicted time when LED performance depreciates to 70% of initial lumen output.
3. Calculated per IESNA TM21-11. Published L₇₀ hours limited to 6 times actual LED test hours.

Finish

Color in accordance with the AAMA 2603 standard. Application of polyester powder coat paint (4 mils/100 microns) with ±1 mils / 24 microns of tolerance. The Thermosetting resins provides a discoloration resistant finish in accordance with the ASTM D2244 standard, as well as luster retention in keeping with the ASTM D523 standard and humidity proof in accordance with the ASTM D2247 standard. The surface treatment achieves a minimum of 2000 hours for salt spray resistant finish in accordance with testing performed and per ASTM B117 standard.

Luminaire Useful Life

Refer to IES files for energy consumption and delivered lumens for each option. Based on ISTMT in situ thermal testing in accordance with UL1598 and UL8750, using LM-80 data from LED manufacturers and engineering prediction methods, the luminaire useful life is expected to reach 100,000+ hours with >L70 lumen maintenance @25C (32 and 48 LED at 700mA is 70,000). Luminaire useful life accounts for LED lumen maintenance and additional factors, including LED life, driver life, PCB substrate, solder joints on/off cycles and burning hours for nominal applications.

LED products manufacturing standard

The electronic components sensitive to electrostatic discharge (ESD) such as light emitting diodes (LEDs) are assembled in compliance with IEC61340 5 1 and ANSI/ESD S20.20 standards so as to eliminate ESD events that could decrease the useful life of the product.

Quality Control

The manufacturer must provide a written confirmation of its ISO 9001 2008 and ISO 14001 2004 International Quality Standards Certification.

Vibration Resistance

Meets the ANSI C136.31 2001, American National Standard for Roadway Luminaire Vibration specifications for normal Applications (L and H pod's excluded).

Certifications and Compliance

cETL listed to Canadian safety standards for wet locations. Manufactured to ISO 9001:2008 Standards. UL8750 and UL1598 compliant. ETL listed to U.S. safety standards for wet locations. cETL listed to Canadian safety standards for wet locations. LM80 & LM79 tested.

Listed

On the DesignLights™ Consortium (DLC) Qualified Products List (QPL).

IP Rating

The LED optics chamber is IP66 rated. The LED driver is IP66 rated.

Warranty

5 year extended warranty.

