Urban

City Post

TX1 Post top



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.

Project:

Location:

Cat.No:

Type:

Lamps: Qty:

Notes:

Ordering guide

example: TX1-32-G3-B-H-L-P-A-1-A-2-E-N-730-A-3-N-SP1

Series	LED count	Gen.	Globe	Pod	Roof	Cage/Band	Finial	Fastener	Finish	Optics
TX1		G3			L					
TX1 City Post	**32**[2] 32 LEDs **48** 48 LEDs **64** 64 LEDs	**G3** Gen 3	**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 2 **2H** Type 2 w/HSS **3** Type 3 **3H** Type 3 w/HSS **3W** Type 3 Wide **3WH** Type 3 Wide w/HSS **4** Type 4 **5** Type 5

Photo Control	Future-Proof Control Receptacle	Color Temp	Voltage	Drive Current (mA)	Driver options [1]		Surge Protection
E 120 VAC Button Eye **H** 208/240/277 VAC Button Eye **R** 3 Pin Twist Lock Receptacle **N** None	**N** None **R7** [3] 7-pin receptacle	**730** Warm 3000K **740** Neutral 4000K	**A** 120-277 **B** [1,2] 347-480	**3** 350 mA **5** 530 mA **7** 700 mA	**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 **N** None **S** FAWS Field adjustable wattage selector **SRD** Sensor ready driver, standard configuration **SRD1** Sensor ready driver, alternate configuration	**SP1** 10kV/10kA **SP2** 20kV/10kA

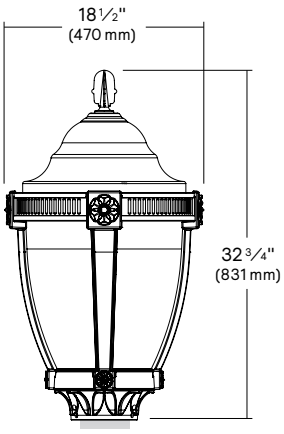
1. Configurations with 347-480VAC (B) voltage are not compatible with optional dimming or optional programming.
2. Configurations with 32 (32) LEDs at 350mA (3) or 530mA (5) currents are not compatible with 347-480 VAC (B) voltage.
3. R7 is located on top of the roof - N No Finial is required.

TX1 City Post

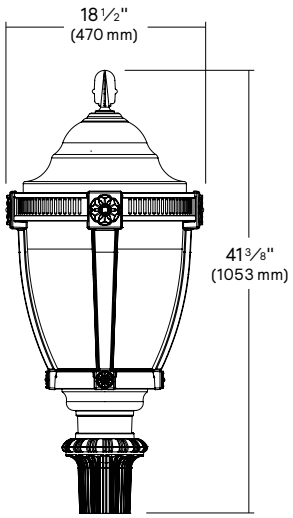
Post top

Dimensions

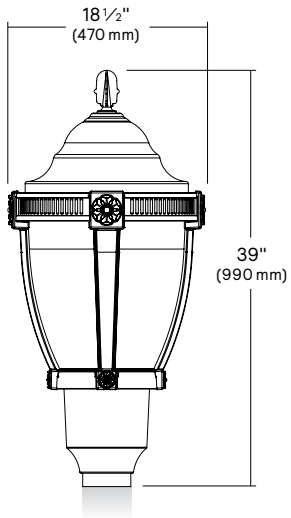
S Pod



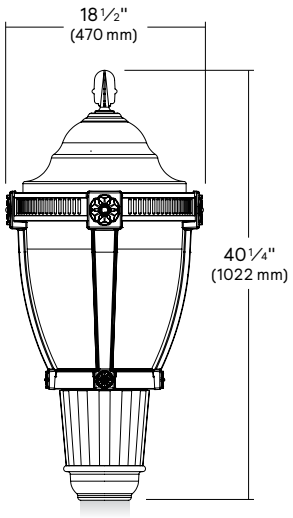
J Pod



H Pod



L Pod



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 Code: Flat lens	Total LEDs	LED current (mA)	Average System Wattage (W)	Type 2			Type 3			Type 3W			Type 4			Type 5		
				Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)
Clear Globe 3000K																		
32-G3-C-x-730-3	32	350	38	3790	B1-U2-G1	100	3990	B1-U2-G1	106	4020	B1-U2-G1	107	3957	B1-U2-G1	105	4139	B3-U2-G1	110
32-G3-C-x-730-5	32	530	55	5436	B1-U2-G1	99	5723	B1-U2-G1	104	5765	B2-U2-G2	105	5676	B1-U2-G2	103	5937	B3-U2-G1	108
32-G3-C-x-730-7	32	700	72	6855	B2-U3-G2	95	7218	B2-U3-G2	100	7271	B2-U3-G2	101	7159	B2-U3-G2	99	7489	B3-U2-G2	104
48-G3-C-x-730-3	48	350	51	5684	B1-U3-G1	111	5986	B1-U3-G1	117	6029	B2-U2-G2	118	5936	B1-U2-G2	116	6209	B3-U2-G1	122
48-G3-C-x-730-5	48	530	80	8154	B2-U3-G2	102	8585	B2-U3-G2	107	8648	B2-U3-G2	108	8514	B2-U3-G2	106	8907	B3-U3-G2	111
48-G3-C-x-730-7	48	700	105	10284	B2-U3-G2	98	10828	B2-U3-G2	103	10907	B2-U3-G2	104	10738	B2-U3-G2	102	11232	B4-U3-G2	107
64-G3-C-x-730-3	64	350	68	7093	B2-U3-G2	104	7500	B2-U3-G2	110	7757	B2-U3-G2	114	7400	B2-U3-G2	109	8070	B3-U2-G2	119
64-G3-C-x-730-5	64	530	104	10174	B2-U3-G2	98	10759	B2-U3-G2	103	11126	B2-U3-G2	107	10615	B2-U3-G2	102	11575	B4-U3-G2	111
64-G3-C-x-730-7	64	700	138	12833	B3-U3-G3	93	13568	B3-U3-G3	98	14032	B3-U3-G3	102	13387	B3-U3-G3	97	14598	B4-U3-G2	106
Clear Globe 4000K																		
32-G3-C-x-740-3	32	350	38	4002	B1-U2-G1	106	4214	B1-U2-G1	112	4246	B1-U2-G1	113	4179	B1-U2-G1	111	4372	B3-U2-G1	116
32-G3-C-x-740-5	32	530	55	5742	B1-U3-G1	104	6044	B1-U3-G1	110	6090	B2-U2-G2	111	5996	B1-U2-G2	109	6271	B3-U2-G1	114
32-G3-C-x-740-7	32	700	72	7241	B2-U3-G2	101	7624	B2-U3-G2	106	7680	B2-U3-G2	107	7562	B2-U3-G2	105	7909	B3-U3-G2	110
48-G3-C-x-740-3	48	350	51	6005	B2-U3-G2	118	6321	B1-U3-G1	124	6368	B2-U2-G2	125	6269	B1-U3-G2	123	6558	B3-U2-G1	129
48-G3-C-x-740-5	48	530	80	8612	B2-U3-G2	108	9068	B2-U3-G2	113	9134	B2-U3-G2	114	8993	B2-U3-G2	112	9406	B4-U3-G2	118
48-G3-C-x-740-7	48	700	105	10862	B2-U3-G2	103	11436	B2-U3-G2	109	11521	B3-U3-G3	110	11342	B2-U3-G2	108	11864	B4-U3-G2	113
64-G3-C-x-740-3	64	350	68	7492	B2-U3-G2	110	7922	B2-U3-G2	117	8192	B2-U3-G2	120	7816	B2-U3-G2	115	8523	B3-U3-G2	125
64-G3-C-x-740-5	64	530	104	10747	B2-U3-G2	103	11363	B2-U3-G2	109	11751	B3-U3-G3	113	11212	B2-U3-G2	108	12226	B4-U3-G2	118
64-G3-C-x-740-7	64	700	138	13553	B3-U3-G3	98	14330	B3-U3-G3	104	14821	B3-U3-G3	107	14139	B3-U3-G3	102	15419	B4-U3-G2	112

Values from photometric tests performed in accordance with IESNA LM-79 and are representative of the configurations shown. Actual performance may vary due to installation and environmental variables, LED and driver tolerances, and field measurement considerations. It is highly recommended to confirm performance with a photometric layout.
Note: Some data may be scaled based on tests of similar (but not identical) luminaires. Contact factory for configurations not shown.

TX1 City Post

Post top

LED Wattage and Lumen Values: for TX1 with Opal Globe

Ordering Code: Flat lens	Total LEDs	LED current (mA)	Average System Wattage (W)	Type 2			Type 3			Type 3W			Type 4			Type 5		
				Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)
Opal Globe 3000K																		
32-G3-B-x-730-3	32	350	38	3381	B1-U3-G2	90	3569	B1-U3-G2	95	3642	B1-U3-G3	97	3568	B1-U3-G2	95	3770	B2-U3-G2	100
32-G3-B-x-730-5	32	530	55	4850	B1-U3-G3	88	5119	B1-U3-G3	93	5223	B1-U3-G3	95	5118	B1-U3-G3	93	5407	B2-U3-G3	98
32-G3-B-x-730-7	32	700	72	6116	B2-U4-G3	85	6456	B2-U4-G3	90	6588	B2-U4-G3	92	6454	B2-U4-G3	90	6819	B3-U4-G3	95
48-G3-B-x-730-3	48	350	51	5071	B1-U3-G3	99	5354	B1-U3-G3	105	5462	B1-U3-G3	107	5351	B1-U3-G3	105	5655	B2-U3-G3	111
48-G3-B-x-730-5	48	530	80	7274	B2-U4-G3	91	7679	B2-U4-G3	96	7835	B2-U4-G3	98	7676	B2-U4-G3	96	8111	B3-U4-G3	101
48-G3-B-x-730-7	48	700	105	9175	B2-U4-G3	87	9684	B2-U4-G4	92	9882	B2-U4-G4	94	9681	B2-U4-G4	92	10230	B3-U4-G4	97
64-G3-B-x-730-3	64	350	68	6382	B2-U4-G3	94	6765	B2-U4-G3	99	6950	B2-U4-G3	102	6635	B1-U4-G3	98	7292	B3-U4-G3	107
64-G3-B-x-730-5	64	530	104	9155	B2-U4-G3	88	9703	B2-U4-G4	93	9968	B2-U4-G4	96	9518	B2-U4-G4	92	10460	B3-U4-G4	101
64-G3-B-x-730-7	64	700	138	11547	B3-U5-G4	84	12237	B3-U5-G4	89	12571	B3-U5-G5	91	12004	B2-U4-G5	87	13192	B3-U5-G4	96
Opal Globe 4000K																		
32-G3-B-x-740-3	32	350	38	3571	B1-U3-G2	95	3769	B1-U3-G2	100	3846	B1-U3-G3	102	3769	B1-U3-G3	100	3981	B2-U3-G2	105
32-G3-B-x-740-5	32	530	55	5122	B1-U3-G3	93	5407	B1-U3-G3	98	5517	B2-U3-G3	100	5405	B1-U3-G3	98	5711	B3-U3-G3	104
32-G3-B-x-740-7	32	700	72	6460	B2-U4-G3	90	6818	B2-U4-G3	95	6958	B2-U4-G3	97	6817	B2-U4-G3	95	7202	B3-U4-G3	100
48-G3-B-x-740-3	48	350	51	5356	B2-U3-G3	105	5654	B1-U4-G3	111	5770	B2-U3-G3	113	5652	B1-U3-G3	111	5973	B3-U3-G3	117
48-G3-B-x-740-5	48	530	80	7683	B2-U4-G3	96	8111	B2-U4-G3	101	8276	B2-U4-G4	103	8108	B2-U4-G4	101	8567	B4-U3-G3	107
48-G3-B-x-740-7	48	700	105	9689	B2-U4-G3	92	10228	B2-U4-G4	97	10438	B2-U4-G4	99	10226	B2-U4-G4	97	10804	B3-U4-G4	103
64-G3-B-x-740-3	64	350	68	6742	B2-U4-G3	99	7144	B2-U4-G3	105	7339	B2-U4-G3	108	7008	B2-U4-G3	103	7702	B3-U4-G3	113
64-G3-B-x-740-5	64	530	104	9670	B2-U4-G3	93	10247	B2-U4-G4	99	10527	B2-U4-G4	101	10052	B2-U4-G4	97	11048	B3-U4-G4	106
64-G3-B-x-740-7	64	700	138	12195	B3-U5-G4	88	12924	B3-U5-G4	94	13277	B3-U5-G5	96	12678	B2-U5-G5	92	13934	B3-U5-G4	101

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

Ordering Code: Flat lens	Total LEDs	LED current (mA)	Average System Wattage (W)	Type 2			Type 3			Type 3W			Type 4			Type 5		
				Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)
Vertical Ribbed Globe 3000K																		
32-G3-D-x-730-3	32	350	38	3778	B1-U2-G1	100	4017	B1-U2-G1	106	4030	B1-U2-G1	107	3939	B1-U2-G1	104	4149	B3-U2-G1	110
32-G3-D-x-730-5	32	530	55	5420	B1-U2-G1	99	5762	B1-U2-G1	105	5780	B2-U2-G2	105	5649	B1-U2-G2	103	5952	B3-U2-G1	108
32-G3-D-x-730-7	32	700	72	6836	B2-U3-G2	95	7268	B2-U3-G2	101	7289	B2-U3-G2	101	7125	B2-U3-G2	99	7506	B3-U2-G2	104
48-G3-D-x-730-3	48	350	51	5668	B1-U3-G1	111	6026	B1-U2-G1	118	6045	B2-U2-G2	119	5909	B1-U2-G2	116	6223	B3-U2-G1	122
48-G3-D-x-730-5	48	530	80	8129	B2-U3-G2	102	8644	B2-U3-G2	108	8670	B2-U3-G2	108	8474	B2-U3-G2	106	8928	B3-U3-G2	112
48-G3-D-x-730-7	48	700	105	10252	B2-U3-G2	98	10901	B2-U3-G2	104	10935	B3-U3-G3	104	10688	B2-U3-G2	102	11259	B4-U3-G2	107
64-G3-D-x-730-3	64	350	68	7076	B2-U3-G2	104	7453	B2-U3-G2	110	7758	B2-U3-G2	114	7451	B2-U3-G2	110	8151	B3-U2-G2	120
64-G3-D-x-730-5	64	530	104	10151	B2-U3-G2	98	10689	B2-U3-G2	103	11127	B2-U3-G2	107	10688	B2-U3-G2	103	11692	B4-U3-G2	112
64-G3-D-x-730-7	64	700	138	12802	B3-U3-G3	93	13482	B3-U3-G3	98	14034	B3-U3-G3	102	13480	B3-U3-G3	98	14746	B4-U3-G2	107
Vertical Ribbed Globe 4000K																		
32-G3-D-x-740-3	32	350	38	3991	B1-U2-G1	106	4244	B1-U2-G1	112	4256	B1-U2-G1	113	4160	B1-U2-G1	110	4383	B3-U2-G1	116
32-G3-D-x-740-5	32	530	55	5724	B1-U3-G1	104	6086	B1-U3-G1	111	6104	B2-U2-G2	111	5967	B1-U2-G2	108	6286	B3-U2-G1	114
32-G3-D-x-740-7	32	700	72	7219	B2-U3-G2	100	7675	B2-U3-G2	107	7699	B2-U3-G2	107	7525	B2-U3-G2	105	7928	B3-U2-G2	110
48-G3-D-x-740-3	48	350	51	5986	B2-U3-G2	117	6364	B2-U3-G2	125	6383	B2-U2-G2	125	6239	B1-U2-G2	122	6573	B3-U2-G1	129
48-G3-D-x-740-5	48	530	80	8586	B2-U3-G2	107	9129	B2-U3-G2	114	9157	B2-U3-G2	114	8951	B2-U3-G2	112	9430	B4-U3-G2	118
48-G3-D-x-740-7	48	700	105	10829	B2-U3-G2	103	11514	B2-U3-G2	110	11549	B3-U3-G3	110	11288	B2-U3-G2	108	11892	B4-U3-G2	113
64-G3-D-x-740-3	64	350	68	7474	B2-U3-G2	110	7871	B2-U3-G2	116	8193	B2-U3-G2	120	7870	B2-U3-G2	116	8609	B3-U2-G2	127
64-G3-D-x-740-5	64	530	104	10721	B2-U3-G2	103	11290	B2-U3-G2	109	11753	B3-U3-G3	113	11288	B2-U3-G2	109	12348	B4-U3-G2	119
64-G3-D-x-740-7	64	700	138	13522	B3-U3-G3	98	14239	B3-U3-G3	103	14823	B3-U3-G3	107	14237	B3-U3-G3	103	15575	B4-U3-G2	113

Values from photometric tests performed in accordance with IESNA LM-79 and are representative of the configurations shown. Actual performance may vary due to installation and environmental variables, LED and driver tolerances, and field measurement considerations. It is highly recommended to confirm performance with a photometric layout.
Note: Some data may be scaled based on tests of similar (but not identical) luminaires. Contact factory for configurations not shown.

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.

Opal globe: is made from a 50/50 mix of acrylic and UV Stabilized acrylic and polymethly 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

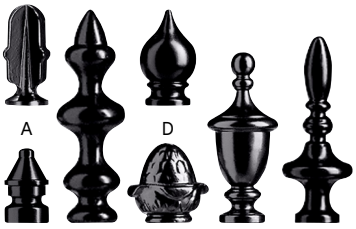
Used to secure post fitter to post tenon and globe to globe holder.

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). Due to the inrush current that occurs with electronic drivers, recommend using a time-delay or slow blow fuse to avoid unwanted fuse blowing (false tripping) that can occur with normal or fast acting fuses.

Driver 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

FAWS: Field Adjustable Wattage Selector, pre-set to the highest position, can be easily switched in the field to the required position. This reduces total luminaire wattage consumption and reduces the light level – see the FAWS multiplier chart for more details. **Note:** It is not recommended to use FAWS with other dimming or controls; if you do, set the switch to position 10 (maximum output) to enable the other dimming or controls. Switching FAWS to any position other than 10 will disable the other dimming or controls.

FAWS Position	Typical Delivered Lumens Multiplier	Typical System Wattage
1	0.31	0.28
2	0.53	0.50
3	0.62	0.58
4	0.7	0.67
5	0.78	0.75
6	0.83	0.81
7	0.89	0.87
8	0.92	0.91
9	0.96	0.95
10	1	1

Note: Typical value accuracy +/-5%

TX1 City Post

Post top

Specifications (continued)

SRD: Sensor Ready Driver including SR communication (used for dimming and other functionalities), 24V auxiliary supply and a logical signal input (LSI) connected to the top NEMA twist lock receptacle.
SRD1: Sensor Ready Driver including SR communication (used for dimming and other functionalities) but with 24V auxiliary supply and a logical signal input (LSI) not connected to the top NEMA twist lock.

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.
Optional SP2: 20kV / 10kA surge protection device that provides extra protection beyond the SP1 10kV/10kA level.

Luminaire options



HS House side shield

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

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 and48 LED at 700mA is 70,000). Luminaire useful life accounts for LED lumen maintenance and all of these additional factors including: LED color shift, LED life, driver life, PCB substrate, solder joints, on/off cycles, burning hours and corrosion. Lifetime statements do not include the use of controls, including networked controllers.

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

cETLus Listed for Canada and U.S. to the UL1598 and UL8750 standards, suitable for Wet Locations. The quality systems of the facility where manufactured have been registered by UL to the ISO 9001 series standards. LM80 & LM79 tested.

IP rating

IP66 rated LED light engine.

Warranty

5-year limited warranty. Options available for extended warranties – contact factory.
See signify.com/warranties for details and restrictions.

Buy American Act of 1933 (BAA)

This product is manufactured in one of our US factories and, as of the date of this document, this product was considered a commercially available off-the-shelf (COTS) item meeting the requirements of the BAA.

This BAA designation hereunder does not address (i) the applicability of, or availability of a waiver under, the Trade Agreements Act, or (ii) the "Buy America" domestic content requirements imposed on states, localities, and other non-federal entities as a condition of receiving funds administered by the Department of Transportation or other federal agencies. Prior to ordering, please visit www.signify.com/baa to view a current list of BAA-compliant products to confirm this product's current compliance.

LED Performance

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

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.L70 is the predicted time when LED performance depreciates to 70% of initial lumen output. Calculated per IESNA TM21-11. Published L70 hours limited to 6 times actual LED test hours.

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