LUMEC

Urban

UrbanScape

MPTC-C Comfort Optics Post Top

Lumec UrbanScape LED post top luminaires feature flexible, robust energy-saving solutions for heritage-styled urban architectural lighting. Crowned with an ornamental hood, the post top model comes with a flat lens to highlight the thinness of the LEDs. Includes Service Tag, innovative way to provide assistance throughout the life of the product.

Project:

Location:

Cat.No:

Type:

Qty:

Notes:

Ordering guide

example: MPTC-C-196L650NW-G2-3-UNV-DMG-PH8-RCD-BKTX

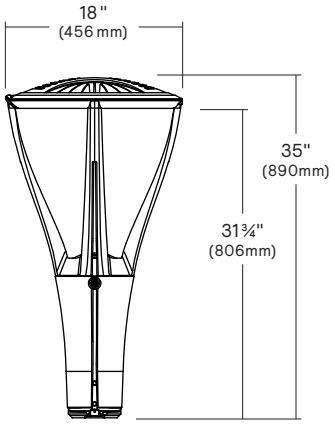
Series	LED module	Gen.	Optical system	Voltage	Drivers	Options: Receptacle	Options: Control	Options: Luminaire	Finish
MPTC-C **MPTCCR-C** **MPTCRC-C** **MPTCRR-C** UrbanScape LED post top luminaire with Comfort optics	**3000K**[1] **196L450WW** **196L650WW** **196L1150WW** **196L1675WW** **196L2100WW** **4000K** **196L450NW** **196L650NW** **196L1150NW** **196L1675NW** **196L2100NW**	**G2** Gen 2	**1** Type I (ASYM) **2** Type II (ASYM) **3** Type III (ASYM) **4** Type IV (ASYM) **5** Type V (SYMM)	**UNV** 120-277VAC **347** 347VAC **480** 480VAC	**DMG** 0-10V **SRD**[2] Sensor ready driver, standard configuration **SRD1**[2] Sensor ready driver, alternate configuration	**RCD**[3] Receptacle for twist-lock photocell or shorting cap, 5-pin (standard) **RCD7**[3] Receptacle for twist-lock photocell or shorting cap, 7-pin (optional)	**PH8**[4] Twist-lock Photoelectric Cell **PH9**[4] Shorting cap **PHXL**[2,4] Twist-lock Photoelectric Cell, extended life, UNV (120-277VAC)	**SP2** 20kV / 10kA Surge Protector (optional) **TN3** Fitter to fit over 3" (76 mm) O.D. by 4" (102 mm) long tenon **TN3.5** Fitter to fit over 3 1/2" (89 mm) O.D. by 4" (102 mm) long tenon **BAC**[5] Meets the requirements of the Buy American Act of 1933 (BAA) **BABAF**[5] Meets the requirements of the Build America Buy America Act for projects funded through FHWA that are obligated before October 1, 2026, and meets the Buy America preferences for FTA	**Textured** **BE2TX** Midnight Blue **BE6TX** Ocean Blue **BE8TX** Royal Blue **BG2TX** Sandstone **BKTX** Black **BRTX** Bronze **GN4TX** Blue Green **GN6TX** Forest Green **GN8TX** Dark Forest Green **GNTX** Green **GY3TX** Medium Grey **RD2TX** Burgundy **RD4TX** Scarlet **WHTX** White **Other** **GR** Gray Sandtex **NP** Natural Aluminum **TG** Hammertone Gold **TS** Hammertone Silver

1. CCT's 3000K and warmer are IDA Dark Sky Approved.
2. Not available with **347V** and **480V**.
3. Use of photoelectric cell or shorting cap is required to ensure proper illumination.
4. Either **RCD** or **RCD7** must be selected for this option.
5. Failure to properly select the "BAC" suffix could result in you receiving product that is not BAA compliant product with no recourse for an RMA or refund. This BAC 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. Genlyte's products with a BAC option code designation are manufactured in the US and utilize a BAA COTS exemption rule for compliance. "BABAF" designates the product will meet the standards set by FHWA for BABA and FTA for Buy America. As noted, for FHWA BABA compliance, applicable projects must be funded by October 1, 2026.

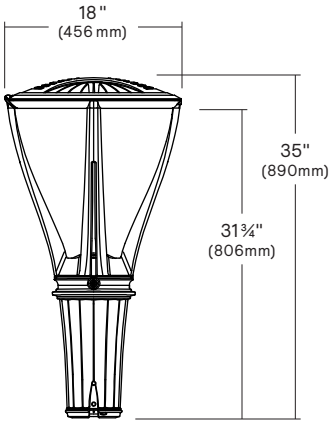
MPTC-C UrbanScape post top

Urban luminaire with comfort optics

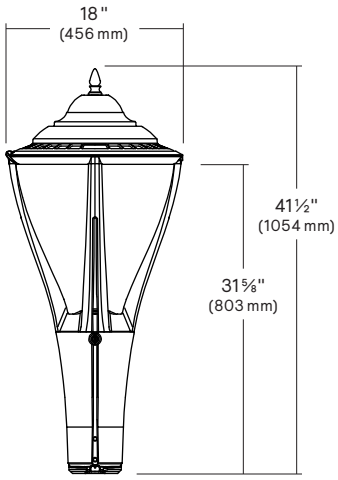
Dimensions EPA: 1.97 sq ft – Weight: 31.1 lbs (14.1 kg)



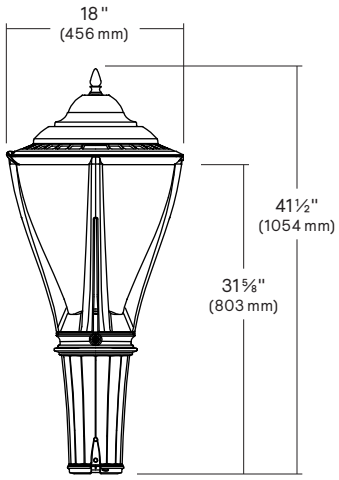
MPTC



MPTCCR



MPTRCC



MPTRCR

3000K Lumen Values

Ordering Code	Total LEDs	LED current (mA)	Ave. System Wattage (W)	Type 1			Type 2			Type 3		
				Lumen Output	Efficacy (LPW)	BUG Rating	Lumen Output	Efficacy (LPW)	BUG Rating	Lumen Output	Efficacy (LPW)	BUG Rating
196L450WW-G2	196	450	22	B1-U0-G1	1815	83	1723	79	B1-U0-G1	1889	87	B1-U0-G1
196L650WW-G2	196	650	31	B1-U0-G1	2599	85	2467	80	B1-U0-G1	2706	88	B1-U0-G1
196L1150WW-G2	196	1150	50	B2-U0-G2	4259	84	4043	80	B2-U0-G2	4434	88	B2-U0-G2
196L1675WW-G2	196	1675	74	B3-U0-G3	5969	80	5666	76	B2-U0-G2	6214	84	B2-U0-G2
196L2100WW-G2	196	2100	94	B3-U0-G3	7163	76	6800	72	B3-U0-G3	7457	79	B2-U0-G2

Ordering Code	Total LEDs	LED current (mA)	Ave. System Wattage (W)	Type 4			Type 5		
				Lumen Output	Efficacy (LPW)	BUG Rating	Lumen Output	Efficacy (LPW)	BUG Rating
196L450WW-G2	196	450	22	1854	85	B1-U0-G1	1920	88	B1-U0-G1
196L650WW-G2	196	650	31	2655	87	B1-U0-G1	2750	90	B2-U0-G1
196L1150WW-G2	196	1150	50	4351	86	B1-U0-G1	4506	89	B2-U0-G1
196L1675WW-G2	196	1675	74	6097	82	B2-U0-G2	6315	85	B3-U0-G2
196L2100WW-G2	196	2100	94	7317	78	B2-U0-G2	7578	81	B3-U0-G2

4000K Lumen Values

Ordering Code	Total LEDs	LED current (mA)	Ave. System Wattage (W)	Type 1			Type 2			Type 3		
				Lumen Output	Efficacy (LPW)	BUG Rating	Lumen Output	Efficacy (LPW)	BUG Rating	Lumen Output	Efficacy (LPW)	BUG Rating
196L450NW-G2	196	450	22	B1-U0-G1	1890	87	1795	82	B1-U0-G1	1968	90	B1-U0-G1
196L650NW-G2	196	650	31	B1-U0-G1	2707	88	2570	84	B1-U0-G1	2819	92	B1-U0-G1
196L1150NW-G2	196	1150	50	B2-U0-G2	4437	88	4212	83	B2-U0-G2	4619	91	B2-U0-G2
196L1675NW-G2	196	1675	74	B3-U0-G3	6217	84	5902	79	B2-U0-G2	6473	87	B2-U0-G2
196L2100NW-G2	196	2100	94	B3-U0-G3	7462	79	7083	75	B3-U0-G3	7768	83	B2-U0-G2

Ordering Code	Total LEDs	LED current (mA)	Ave. System Wattage (W)	Type 4			Type 5		
				Lumen Output	Efficacy (LPW)	BUG Rating	Lumen Output	Efficacy (LPW)	BUG Rating
196L450NW-G2	196	450	22	1931	89	B1-U0-G1	2000	92	B1-U0-G1
196L650NW-G2	196	650	31	2765	90	B1-U0-G1	2864	93	B2-U0-G1
196L1150NW-G2	196	1150	50	4532	90	B2-U0-G2	4694	93	B3-U0-G1
196L1675NW-G2	196	1675	74	6351	86	B2-U0-G2	6578	89	B3-U0-G2
196L2100NW-G2	196	2100	94	7622	81	B2-U0-G2	7894	84	B3-U0-G2

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 signify.com/outdoorluminaires. Consult DLC QPL to confirm your specific fixture selection is DLC approved.
Note: Some data may be scaled based on tests of similar but not identical luminaries.

MPTC-C UrbanScape post top

Urban luminaire with comfort optics

Specifications

Cage

In a round shape with 4 arms and a built-in mechanical ring, this cage is a one piece die cast A360 Aluminum alloy 0.100 (2.5mm) minimum thickness, mechanically assembled to the fitter. Choice of Contemporary (C) and Retro (R) style cages. See Series code logic.

Hood

Made of die cast A360.1 Aluminum alloy 0.1 (2.5mm) minimum thickness, mechanically assembled to the cast aluminum heat sink.

Access-Mechanism

A die cast A360.1 Aluminum alloy 0.1 (2.5mm) minimum thickness technical ring with latch and hinge.

Light Engine

Light guide technology provides low-glare, uniform illumination. Composed of 196 LEDs strategically positioned on the edge of the optical plate. Light engine luminous opening size optimized to best achieve a balance between lumen output and optical performance with the need to provide visual comfort. Light engine frame ensures contact with housing to provide heat conduction and sealing against the elements. Light engine is RoHS compliant. Maximum ambient operating temperature up to 40°C(104°F). Standard color temperatures: 3000K +/- 130K, 4000K+/- 130K, Minimum CRI of 80. Also available in 2700K, 3500K, 5000K and Amber (>590nm) with extended lead times. Contact factory for details.

Optical System

The advanced LED comfort optical system provides Types 1, 2, 3, 4 and 5. Composed of high performance UV-stabilized optical grade lens with molded micro-optics to achieve desired distribution optimized to get a exceptional lighting uniformity. Performance tested per LM-79 and TM-15 (IESNA) certifying its photometric performance. Street side indicated luminaire designed with 0% uplight (U0 per IESNA TM-15).

Driver

High power factor of 95%. Electronic driver, operating range 50/60 Hz. Auto adjusting universal voltage input from 120 to 277 and 347 to 480 VAC rated for both application line to line or line to neutral, Class 2, THD of 20% max. Maximum ambient operating temperature from 40°F (40°C) to 130°F (50°C). Certified in compliance to UL1310 cULus requirement. Dry and damp location. Assembled on a unitized removable tray with Tyco quick disconnect plug resisting to 221°F (105°C). Dimmable driver 0-10V. 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

DMG: Dimmable driver 0-10V.

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 Protector

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.

LED 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.

Service Tag

Each individual luminaire is uniquely identifiable, thanks to the Service tag application. With a simple scan of a QR code, placed inside the luminaire, you gain instant access to the luminaire configuration, making installation and maintenance operations faster and easier, no matter what stage of the luminaire's lifetime. Just download the APP and register your product right away.

For more details visit: **signify.com/servicetag**

Quality Control

Manufactured to ISO 9001 2015 and ISO 14001 2015 International Quality Standards Certification.

Certifications and Compliance

cULus Listed for Canada and USA.

Predicted Lumen Deprecation Data

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 2100 mA	>100,000	>60,000	84%

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

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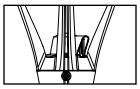
Specifications (continued)

Receptacle options

RCD
Receptacle 5-pins allowing dimming, can be used with a twist-lock Starsense, shorting cap or a photoelectric cell.

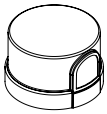
RCD7
Receptacle 7-pins.



Control options

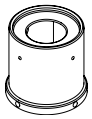
PH8 (allows a 90° rotation)
Photoelectric cell, twist-lock type complete with receptacle and decorative polycarbonate (grey) cap with a plastic lens.

PH9
Shorting cap, twist-lock type complete with receptacle.

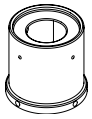


PHXL (allows a 90° rotation)
Extended life Photoelectric cell, twist-lock type complete with receptacle and decorative polycarbonate (grey) cap with a plastic lens.

Lumianire options



TN3
Fitter to fit over a 3" (76 mm) O.D. by 4" (102 mm) tenon.



TN3.5
Fitter to fit over a 3-1/2" (89 mm) O.D. by 4" (102 mm) tenon.

OVR
Dynadimmer override function.

Fitter

Made of die cast A360.1 Aluminum alloy 0.100 (2.5mm) minimum thickness, the fitter is complete with a watertight access door giving access to the driver rated IP66, and a terminal block that accepts (#2 max.) wires from the primary circuit. Comes with an easy self adjusting system with two (2) set screws 3/8 16 UNC for ease of maintenance and installation. Fits on a 4" (102mm) outside diameter by 4" (102mm) long tenon. Choice of Contemporary (C) and Retro (R) style cages. See Series code logic.

Finish

The Thermosetting powder coating provided meets the color requirements of the AAMA 2604 specification as measured per ASTM D2244. The Thermosetting product is applied at a dry film of 2.5 to 4.0 mils (64-102 microns) on textured finishes, resulting in a durable long lasting finish.

Textured Finish Options:

BE2TX: Textured Midnight Blue
BE6TX: Textured Ocean Blue
BE8TX: Textured Royal Blue
BG2TX: Textured Sandstone
BKTX: Textured Black
BRTX: Textured Bronze
GN4TX: Textured Blue Green
GN6TX: Textured Forest Green
GN8TX: Textured Dark Forest Green
GNTX: Textured Green
GY3TX: Textured Medium Grey
RD2TX: Textured Burgundy
RD4TX: Textured Scarlet
WHTX: Textured White

Non-Textured Finish Options:

GR: Gray Sandtex
NP: Natural Aluminum
TG: Hammer-tone Gold
TS: Hammer-tone Silver

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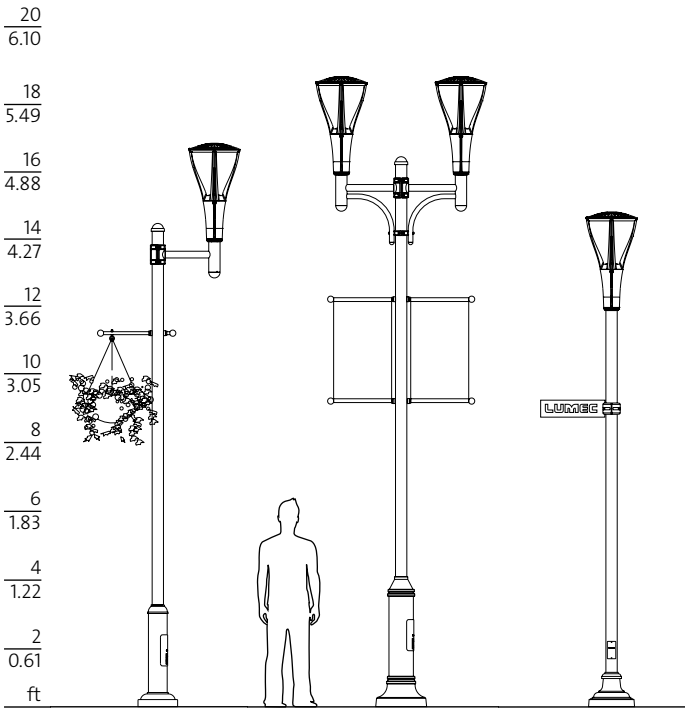
Urban luminaire with comfort optics

Specifications (continued)

Poles



MPTC
Mounting: M10-1A
Pole: P604-PS

MPTC
Mounting: M30-2
Pole: SM8-BA

MPTC
Pole: APR4-LBC3-SA1

Consult signify.com/outdoorluminaires for details and the complete line of Signify poles and brackets.

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GENLYTE SOLUTIONS
a signify business

Signify North America Corp.
400 Crossing Blvd, Suite 600
Bridgewater, NJ 08807
Telephone: 800-555-0050

Signify Canada Ltd.
281 Hillmount Road,
Markham, ON, Canada L6C 2S3
Telephone: 800-668-9008

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