



Lumec **SoleCity** family, going beyond decorative functional outdoor lighting to help you create a unique, stunning and harmonious look for any public space.

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

Ordering guide

example: ULLC100-80W48LED3K-G2-LEV3-120-DMG-18-BKTX

Series	LED Module	Board Gen	Optical System	Volts	Driver Options	Height	Luminaire Options	Finish	
ULLC100		G2							
ULLC100 SoleCity Light Column	3000K	G2	LEV3 Type III (ASYM) LEV5 ¹ Type V (SYM)	120	AST ²	10	CS	Textured	Non-Textured
	35W32LED3K 55W32LED3K 55W48LED3K 80W48LED3K 70W64LED3K 110W64LED3K			208 240 277 347 480 UNV	Pre-set driver for progressive start-up CDMGE25 ² 8 hrs. 25% reduction CDMGE50 ² 8 hrs. 50% reduction CDMGE75 ² 8 hrs. 75% reduction CDMGM25 ² 6 hrs. 25% reduction CDMGM50 ² 6 hrs. 50% reduction CDMGM75 ² 6 hrs. 75% reduction CDMGS25 ² 4 hrs. 25% reduction CDMGS50 ² 4 hrs. 50% reduction CDMGS75 ² 4 hrs. 75% reduction CDMGP ² Dimming level determined by user CLO ² Pre-set driver to manage lumen depreciation DALI ² Pre-set, compatible with the DALI control system DMG 0-10V OTL ² Pre-set driver to signal end of life of the lamp	11 12 13 14 15 16 17 18 19 20	Clear Satin Lens OVR ³ PH7 ⁴ PH8 PH9 PHXL PWFP1 RCD ⁵ Receptacle for twist-lock photocell or shorting cap, 5-pin RCD7 ⁵ Receptacle for twist-lock photocell or shorting cap, 7-pin RWP1 SSP UD VPA	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	GR Gray Sandtex NP Natural Aluminum TG Hammertone Gold
	4000K								
	35W32LED4K 55W32LED4K 55W48LED4K 80W48LED4K 70W64LED4K 110W64LED4K								

1. Available with 64LED only (lights on both sides).
 2. Not available 347-480 volt.

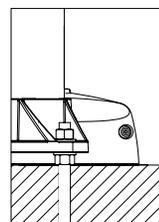
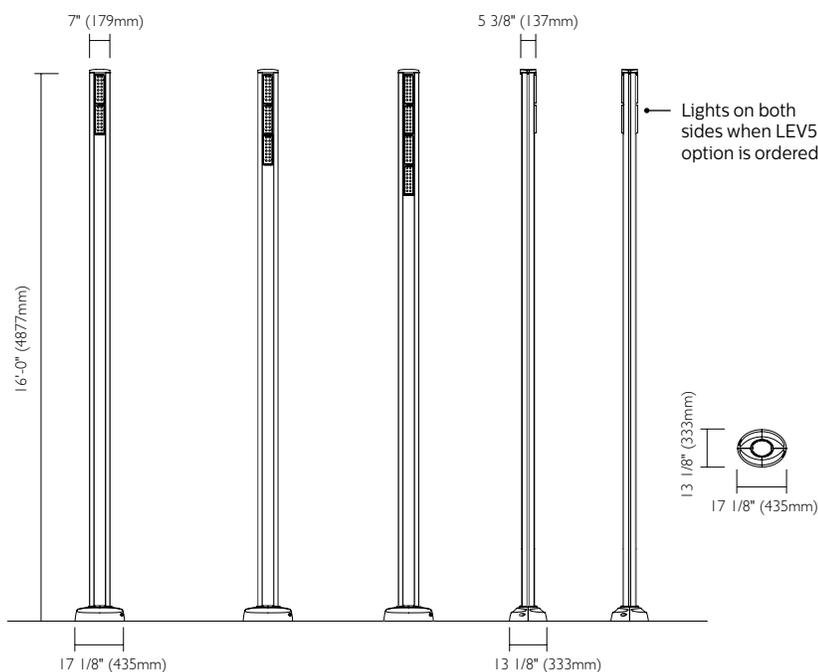
3. CDMG Dynadimmer need to be selected to have OVR available.
 4. UNV not available with PH7, need to select specific voltage: 120,208,240 or 277 volt.
 5. Use of photoelectric cell or shorting cap is required to ensure proper illumination.



ULLC100 LED Light Column

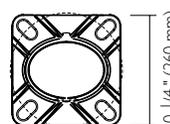
Urban Luminaire

Dimensions

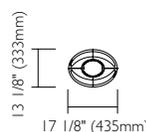


Mounting details

Comes with 4 steel anchor bolts, 3/4" x 20" (19 ø mm X 508 mm), 4 nuts and 4 washers. Important: Do not obstruct space between anchor plate and concrete base



Bolt circle : 10 1/2" ø (267 mm)
B.C. allowed : 9 1/2" to 11 1/2" (267 mm to 292 mm)



LED Module	Total LEDs	LED Current (mA)	Average System Wattas (W)	LEV3			LEV5		
				Delivered Lumens (LM)	Efficacy (LPW)	BUG rating	Delivered Lumens (LM)	Efficacy (LPW)	BUG rating
Clear Lens - 3000K									
ULLC100-35W32LED3K-G2	32	350	37	3499	95	B0-U4-G3	N/A	N/A	N/A
ULLC100-55W32LED3K-G2	32	530	55	5019	91	B0-U4-G3	N/A	N/A	N/A
ULLC100-55W48LED3K-G2	48	350	54	5249	97	B0-U4-G4	N/A	N/A	N/A
ULLC100-80W48LED3K-G2	48	530	82	7529	92	B1-U5-G4	N/A	N/A	N/A
ULLC100-70W64LED3K-G2	64	350	69	6999	101	B1-U5-G4	6981	101	B3-U5-G3
ULLC100-110W64LED3K-G2	64	530	105	10039	96	B1-U5-G5	10014	95	B3-U5-G3
Clear Lens - 4000K									
ULLC100-35W32LED4K-G2	32	350	37	4238	115	B0-U4-G3	N/A	N/A	N/A
ULLC100-55W32LED4K-G2	32	530	55	6078	111	B0-U5-G4	N/A	N/A	N/A
ULLC100-55W48LED4K-G2	48	350	54	6356	117	B1-U5-G4	N/A	N/A	N/A
ULLC100-80W48LED4K-G2	48	530	82	9117	111	B1-U5-G5	N/A	N/A	N/A
ULLC100-70W64LED4K-G2	64	350	69	8475	123	B1-U5-G5	8454	123	B3-U5-G3
ULLC100-110W64LED4K-G2	64	530	105	12157	116	B1-U5-G5	12126	115	B3-U5-G4

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.

ULLC100 LED Light Column

Urban Luminaire

LED Module	Total LEDs	LED Current (mA)	Average System Wattas (W)	LEV3			LEV5		
				Delivered Lumens (LM)	Efficacy (LPW)	BUG rating	Delivered Lumens (LM)	Efficacy (LPW)	BUG rating
Satin Clear Lens - 3000K				LEV3-CS			LEV5-CS		
ULLC100-35W32LED3K-G2	32	350	37	2835	77	B0-U4-G3	N/A	N/A	N/A
ULLC100-55W32LED3K-G2	32	530	55	4067	74	B0-U4-G3	N/A	N/A	N/A
ULLC100-55W48LED3K-G2	48	350	54	4253	78	B0-U4-G3	N/A	N/A	N/A
ULLC100-80W48LED3K-G2	48	530	82	6101	74	B1-U5-G4	N/A	N/A	N/A
ULLC100-70W64LED3K-G2	64	350	69	5671	82	B0-U5-G4	5607	81	B2-U5-G3
ULLC100-110W64LED3K-G2	64	530	105	8134	77	B1-U5-G5	8043	77	B3-U5-G3
Satin Clear Lens - 4000K				LEV3-CS			LEV5-CS		
ULLC100-35W32LED4K-G2	32	350	37	3727	102	B0-U4-G3	N/A	N/A	N/A
ULLC100-55W32LED4K-G2	32	530	55	5346	97	B0-U5-G4	N/A	N/A	N/A
ULLC100-55W48LED4K-G2	48	350	54	5591	103	B0-U5-G4	N/A	N/A	N/A
ULLC100-80W48LED4K-G2	48	530	82	8019	98	B1-U5-G5	N/A	N/A	N/A
ULLC100-70W64LED4K-G2	64	350	69	7454	108	B1-U5-G5	7370	107	B3-U5-G3
ULLC100-110W64LED4K-G2	64	530	105	10692	102	B1-U5-G5	10572	101	B3-U5-G4
Clear Lens with Uplight Deflector - 3000K				LEV3-UD			LEV5-UD		
ULLC100-35W32LED3K-G2	32	350	37	1926	52	B0-U3-G1	N/A	N/A	N/A
ULLC100-55W32LED3K-G2	32	530	55	2763	50	B0-U3-G1	N/A	N/A	N/A
ULLC100-55W48LED3K-G2	48	350	54	2889	53	B0-U3-G1	N/A	N/A	N/A
ULLC100-80W48LED3K-G2	48	530	82	4144	51	B0-U3-G2	N/A	N/A	N/A
ULLC100-70W64LED3K-G2	64	350	69	3852	56	B0-U3-G1	3784	55	B2-U3-G1
ULLC100-110W64LED3K-G2	64	530	105	5525	53	B0-U3-G2	5427	52	B3-U3-G1
Clear Lens with Uplight Deflector - 4000K				LEV3-UD			LEV5-UD		
ULLC100-35W32LED4K-G2	32	350	37	2332	64	B0-U3-G1	N/A	N/A	N/A
ULLC100-55W32LED4K-G2	32	530	55	3345	61	B0-U3-G1	N/A	N/A	N/A
ULLC100-55W48LED4K-G2	48	350	54	3498	65	B0-U3-G1	N/A	N/A	N/A
ULLC100-80W48LED4K-G2	48	530	82	5018	61	B0-U3-G2	N/A	N/A	N/A
ULLC100-70W64LED4K-G2	64	350	69	4665	68	B0-U3-G2	4582	66	B2-U3-G1
ULLC100-110W64LED4K-G2	64	530	105	6691	64	B0-U3-G2	6572	63	B3-U3-G1
Satin Clear Lens with Uplight Deflector - 3000K				LEV3-CS-UD			LEV5-CS-UD		
ULLC100-35W32LED3K-G2	32	350	37	1385	38	B0-U3-G2	N/A	N/A	N/A
ULLC100-55W32LED3K-G2	32	530	55	1987	36	B0-U3-G2	N/A	N/A	N/A
ULLC100-55W48LED3K-G2	48	350	54	2078	38	B0-U3-G2	N/A	N/A	N/A
ULLC100-80W48LED3K-G2	48	530	82	2981	36	B0-U3-G3	N/A	N/A	N/A
ULLC100-70W64LED3K-G2	64	350	69	2771	40	B0-U3-G2	2917	42	B1-U3-G2
ULLC100-110W64LED3K-G2	64	530	105	5224	50	B0-U4-G3	4184	40	B2-U4-G2
Satin Clear Lens with Uplight Deflector - 4000K				LEV3-CS-UD			LEV5-CS-UD		
ULLC100-35W32LED4K-G2	32	350	37	1821	50	B0-U3-G2	N/A	N/A	N/A
ULLC100-55W32LED4K-G2	32	530	55	2612	47	B0-U3-G2	N/A	N/A	N/A
ULLC100-55W48LED4K-G2	48	350	54	2732	50	B0-U3-G2	N/A	N/A	N/A
ULLC100-80W48LED4K-G2	48	530	82	3918	48	B0-U4-G3	N/A	N/A	N/A
ULLC100-70W64LED4K-G2	64	350	69	3642	53	B0-U3-G3	3834	56	B2-U4-G2
ULLC100-110W64LED4K-G2	64	530	105	6867	65	B1-U4-G4	5499	52	B2-U4-G2

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.

ULLC100 LED Light Column

Urban Luminaire

Specifications

Housing

Pole Shaft: Made from a 7 1/8" (181mm) wide by 5 3/8" (137mm) deep elliptical exclusive shape, extruded 6063 T6 aluminum tubing, welded to both the bottom and top of the anchor plate.

End Cap: Made of cast A356 Aluminum alloy 0.188 (4.8mm) minimum thickness, mechanically assembled to the housing.

Maintenance Opening: The pole shall have a 3 1/4" x 8" (83mm x 203mm) maintenance opening centered at 11" (279mm) from the bottom of the anchor plate, complete with a weatherproof aluminum cover and a factory assembled copper ground lug.

Base Cover: Two piece oval shape base cover made from cast 356 aluminum, mechanically fastened with two stainless steel screws discreetly concealed.

Light engine

LEDgine composed of 5 main components: Heat Sink / Lens / LED lamp / Driver / Optical System. Electrical components are RoHS compliant.

LED engine

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.

Lens

Lens: Made of clear polycarbonate curved lens, permanently assembled and sealed onto the lower part of the heat sink

Lens: (CS) Made of satin clear polycarbonate curved lens, permanently assembled and sealed onto the lower part of the heat sink.

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

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.

LEV3: Type III (ASYM)

LEV5: Type V (SYM)

Driver

Driver comes standard with dimming compatible 0-10V. High power factor of 90% minimum. Electronic driver, operating range 50/60 Hz. Auto adjusting universal voltage input from 120 to 277 or 347 to 480 VAC rated for both application line to line or line to neutral, Class I, THD of 20% max. Maximum ambient operating temperature from 40°F (40°C) to 130°F (55°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). 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).

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.

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.

DMG: Dimmable driver 0-10V.

CDMG: Dynadimmer standard dimming functionalities including pre-programmed scenarios to suit many applications and needs from safety to maximum energy savings.

DALI: Pre-set driver compatible with the DALI control system.

Ordering Code	Dimming		
	Scenario	Time	Level
CDMG525	Safety	4 hours	25% power
CDMG550	Safety	4 hours	50% power
CDMG575	Safety	4 hours	75% power
CDMG25	Median	6 hours	25% power
CDMG50	Median	6 hours	50% power
CDMG75	Median	6 hours	75% power
CDMG25	Economy	8 hours	25% power
CDMG50	Economy	8 hours	50% power
CDMG75	Economy	8 hours	75% power

ULM Luminaire Options

CS: Clear Satin Lens

OVR: Dynadimmer override function offering the possibility to go back to full power at any time via an electrical signal of 120VAC to 277VAC from a motion sensor, a switch, a relay or else.

PH7: Photoelectric cell

PH8: Twist-lock Photoelectric Cell

PH9: Shorting cap

PHXL: Twist-lock Photoelectric Cell, extended life

PWF1: Painted Wood Finish Panel

RC: Receptacle for twist-lock photocell or shorting cap, 3-pin

RCD: Receptacle for twist-lock photocell or shorting cap, 5-pin

RCD7: Receptacle for twist-lock photocell or shorting cap, 7-pin

RWP1: Real Wood Panel Ipe Type

SSP: Stainless Steel Panel

UD: Uplight deflector

VPA: Vandal proof screws

Finish

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.

Textured Finish Options:

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

Non-Textured Finish Options:

GR: Gray Sandtex

NP: Natural Aluminum

TG: Hammer-tone Gold

ULLC100 LED Light Column

Urban Luminaire

Specifications (continued)

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 @ 25°C. Luminaire Useful Life accounts for LED lumen maintenance AND all of these additional factors including: LED life, driver life, PCB substrate, solder joints, on/off cycles, burning hours and corrosion. Entire luminaire is rated for operation in ambient temperature of -40°C / -40°F up to +35°C / +95°F.

Hardware

All exposed screws shall be complete with Ceramic primer-seal base coat to reduce seizing of the parts and offers a high resistance to corrosion. All seals and sealing devices are made and/or lined with EPDM and/or silicone and/or rubber.

Quality control

Manufactured to ISO 9001-2008 standards and ISO 14001-2004 International Quality Standards Certification.

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.

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	530 mA	>100,000	>60,000	88%

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.

Certifications and Compliance

CSA, cULus Listed for Canada and USA. Luminaires are DesignLights Consortium qualified

Assembly

