LUMEC
by signify

Urban

Renaissance

RNS (small)

Lumec's **Renaissance** Series mixes refinement together with ambition. The design reflects and evokes late 19th and early 20th century styling, perfectly suited for most urban and rural areas, while the state-of-the-art technology inside assures exceptional photometric performance, a long lifespan, and ease of maintenance.

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

Ordering guide: Luminaire

Example: RNS20-35W32LED4K-T-ACDR-LE5-120-DMG-SMA-RC-BKTX

Series	LED module		Lamp type	Globe material	Optical system	Voltage	Driver options
RNS20	4000K	3000K	T	**ACDR** Acrylic globe **GL** Glass globe	**LE2** Type II (ASYM) **LE3** Type III (ASYM) **LE4** Type IV (ASYM) **LE5**[1] Type V (SYMM)	**120** 120V **208** 208V **240** 240V **277** 277V **347** 347V **480** 480V	**AST** Pre-set, progressive start-up **CLO** Pre-set, manage lumen depreciation **DALI** Pre-set, compatible with the DALI control system **OTL** Pre-set to signal end of life of the lamp **DMG** 0-10V **CDMGE25** 8 hrs. 25% reduction **CDMGE50** 8 hrs. 50% reduction **CDMGE75** 8 hrs. 75% reduction **CDMGM25** 6 hrs. 25% reduction **CDMGM50** 6 hrs. 50% reduction **CDMGM75** 6 hrs. 75% reduction **CDMGS25** 4 hrs. 25% reduction **CDMGS50** 4 hrs. 50% reduction **CDMGS75** 4 hrs. 75% reduction **SRD**[3] Sensor ready driver, standard configuration **SRD1**[3] Sensor ready driver, alternate configuration
	24W16LED4K 30W16LED4K 35W32LED4K 55W32LED4K	24W16LED3K 30W16LED3K 35W32LED3K 55W32LED3K					

Ordering guide (continued)

Adaptors	Luminaire options	Poles & Brackets	Finish
MA1 1 1/4" NPT threaded hole adaptor **MA2** 1 1/2" NPT threaded hole adaptor **SMA**[6] Decorative retro side-mounted cast-aluminum, accepts tubes from 1 5/8" to 2 3/8" **SMB** Decorative contemporary side-mounted cast-aluminum, accepts tubes from 1 5/8" to 2 3/8" **YM** Yoke mount	**DE1** Decorative deflector **HS** House Side Shield **PH8**[2,3,4] Photoelectric cell **PH9**[2,3,4] Shorting cap **PHXL**[2,3,4] Photoelectric cell, extended life **RC**[2,3,4] Receptacle 3 pins **RCD**[2,3,4] Receptacle 5 pins **RCD7**[2,3,4] Receptacle 7 pins **SP2** Surge protector	Consult signify.com/outdoorluminaires for details and the complete line of Signify poles and brackets.	**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 Dk forest green **GNTX** Textured green **GR** Gray sandtex **GY3TX** Textured medium grey **NP** Natural aluminum **RD2TX** Textured burgundy **RD4TX** Textured scarlet **TG** Hammer-tone gold **WHTX** Textured white

1. Not available with HS option.
2. **SMA** or **SMB** adaptors is required for this option.
3. Not available with YM adaptor.
4. Luminaire option **RC**, **RCD** or **RCD7** is required with this options.
5. Use of photoelectric cell or shorting cap is required to ensure proper illumination.
6. Only 3 pin receptacle **RC** is available with **SMA** adaptor.

RNS20 Renaissance LED (small)

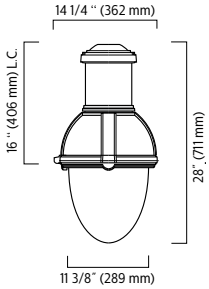
Urban Luminaire

Features

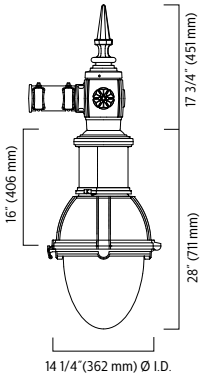
1. Constructed from top-quality materials, the Contemporary Lantern Series maintains excellent performance in even the most demanding environments.
2. Type LE2, LE3, LE4 and LE5 optic distributions are available to meet a range of lighting applications.
3. Acrylic globe has satin-finish to gently obscure the source without compromising photometry.
4. Tool free access to lamp and electrical components for ease of maintenance.
5. Unique styling merges traditional and contemporary design.

Dimensions

EPA: 1.43 ft² max.
ACDR Weight: 37 lbs (16.8kg) max.
GL Weight: 66 lbs (20.9kg) max.
EPA and weight are calculated without adaptor

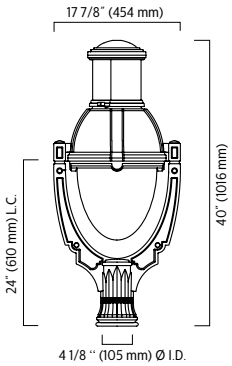


RNS20



RNS20-SMA

EPA: 2.53 ft² max.
ACDR Weight: 48 lbs (21.8kg) max.
GL Weight: 57 lbs (25.9kg) max.



RNS20-YM

Predicted Lumen Depreciation Data

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

Ambient Temperature °C	Driver mA	Calculated L_{70} Hours	L_{70} per TM-21	Lumen Maintenance % at 60,000 hrs
35°C	800 mA	>99,000 hours	>60,000 hours	>83%

RNS20 Renaissance LED (small)

Urban Luminaire

LED light engine technical information for RNS20

LED = Lumileds Luxeon T, CRI = 70, CCT = 4000K (3985K +/- 275K or 3710K to 4260K)

System (LED + driver) rated life = 100,000 hrs[1]

LED Module	Typical delivered lumens	Typical system wattage (W)[2]	Typical System Current (A) @				LED current (mA)	HID [3] equivalent	Luminaire Efficacy Rating (Lm/W)	BUG rating
			120V	208V	240V	277V				
24W16LED4K-T-LE2	3040	28	0.25	0.15	0.13	0.12	530	70-100	107	B1-U2-G1
24W16LED4K-T-LE3	3017	28	0.25	0.15	0.13	0.12	530	70-100	106	B1-U2-G1
24W16LED4K-T-LE4	3032	28	0.25	0.15	0.13	0.12	530	70-100	107	B1-U2-G1
24W16LED4K-T-LE5	3050	28	0.25	0.15	0.13	0.12	530	70-100	107	B2-U2-G2
30W16LED4K-T-LE2	3825	37	0.32	0.19	0.17	0.15	700	70-100	103	B1-U2-G1
30W16LED4K-T-LE3	3796	37	0.32	0.19	0.17	0.15	700	70-100	103	B1-U2-G1
30W16LED4K-T-LE4	3815	37	0.32	0.19	0.17	0.15	700	70-100	103	B1-U2-G1
30W16LED4K-T-LE5	3837	37	0.32	0.19	0.17	0.15	700	70-100	104	B3-U3-G3
35W32LED4K-T-LE2	4236	36	0.31	0.19	0.17	0.16	350	70-100	118	B1-U3-G1
35W32LED4K-T-LE3	4175	36	0.31	0.19	0.17	0.16	350	70-100	116	B1-U2-G1
35W32LED4K-T-LE4	4225	36	0.31	0.19	0.17	0.16	350	70-100	117	B1-U2-G1
35W32LED4K-T-LE5	4249	36	0.31	0.19	0.17	0.16	350	70-100	118	B3-U3-G3
55W32LED4K-T-LE2	5945	53	0.47	0.27	0.24	0.22	530	100-150	111	B1-U3-G1
55W32LED4K-T-LE3	5900	53	0.47	0.27	0.24	0.22	530	100-150	110	B1-U3-G2
55W32LED4K-T-LE4	5930	53	0.47	0.27	0.24	0.22	530	100-150	111	B1-U3-G2
55W32LED4K-T-LE5	5994	53	0.47	0.27	0.24	0.22	530	100-150	113	B3-U3-G3

LED light engine technical information for RNS20

LED = Lumileds Luxeon T, CRI = 70, CCT = 3000K (3045K +/- 175K or 2870K to 3220K)

System (LED + driver) rated life = 100,000 hrs[1]

LED Module	Typical delivered lumens	Typical system wattage (W)[2]	Typical System Current (A) @				LED current (mA)	HID [3] equivalent	Luminaire Efficacy Rating (Lm/W)	BUG rating
			120V	208V	240V	277V				
24W16LED3K-T-LE2	2824	28	0.25	0.15	0.13	0.12	530	70-100	100	B1-U2-G1
24W16LED3K-T-LE3	2802	28	0.25	0.15	0.13	0.12	530	70-100	100	B1-U2-G1
24W16LED3K-T-LE4	2817	28	0.25	0.15	0.13	0.12	530	70-100	100	B1-U2-G1
24W16LED3K-T-LE5	2763	28	0.25	0.15	0.13	0.12	530	70-100	98	B2-U2-G2
30W16LED3K-T-LE2	3552	37	0.32	0.19	0.17	0.15	700	70-100	97	B1-U2-G1
30W16LED3K-T-LE3	3525	37	0.32	0.19	0.17	0.15	700	70-100	96	B1-U2-G1
30W16LED3K-T-LE4	3543	37	0.32	0.19	0.17	0.15	700	70-100	96	B1-U2-G1
30W16LED3K-T-LE5	3484	37	0.32	0.19	0.17	0.15	700	70-100	95	B3-U2-G3
35W32LED3K-T-LE2	3907	36	0.31	0.19	0.17	0.16	350	70-100	109	B1-U2-G1
35W32LED3K-T-LE3	3877	36	0.31	0.19	0.17	0.16	350	70-100	108	B1-U2-G1
35W32LED3K-T-LE4	3897	36	0.31	0.19	0.17	0.16	350	70-100	108	B1-U2-G1
35W32LED3K-T-LE5	3939	36	0.31	0.19	0.17	0.16	350	70-100	109	B3-U3-G3
55W32LED3K-T-LE2	5522	53	0.47	0.27	0.24	0.22	530	100-150	103	B1-U3-G1
55W32LED3K-T-LE3	5480	53	0.47	0.27	0.24	0.22	530	100-150	103	B1-U3-G2
55W32LED3K-T-LE4	5508	53	0.47	0.27	0.24	0.22	530	100-150	103	B1-U3-G2
55W32LED3K-T-LE5	5567	53	0.47	0.27	0.24	0.22	530	100-150	104	B3-U3-G3

1. L70 = 70,000 hrs (at ambient temperature = 25°C)
2. System wattage includes the lamp and the LED driver
3. These guidelines show typical replacements for the HID wattage ranges shown. Replacements should always be confirmed with a photometric layout.

Note : Due to rapid and continuous advances in LED technology, LED luminaire data is subject to change without notice and at the discretion of Signify.

RNS20 Renaissance LED (small)

Urban Luminaire

LED light engine technical information for RNS20 Yoke Mount (YM)

LED = Lumileds Luxeon T, CRI = 70, CCT = 4000K (3985K +/- 275K or 3710K to 4260K)
System (LED + driver) rated life = 100,000 hrs[1]

LED Module	Typical delivered lumens	Typical system wattage (W)[2]	Typical System Current (A) @				LED current (mA)	HID [3] equivalent	Luminaire Efficacy Rating (Lm/W)	BUG rating
			120V	208V	240V	277V				
24W16LED4K-T-LE2-YM	2307	28	0.25	0.15	0.13	0.12	530	70-100	82	B1-U2-G1
24W16LED4K-T-LE3-YM	2431	28	0.25	0.15	0.13	0.12	530	70-100	87	B1-U2-G1
24W16LED4K-T-LE4-YM	2540	28	0.25	0.15	0.13	0.12	530	70-100	90	B1-U2-G1
24W16LED4K-T-LE5-YM	2645	28	0.25	0.15	0.13	0.12	530	70-100	94	B2-U2-G2
30W16LED4K-T-LE2-YM	2903	37	0.32	0.19	0.17	0.15	700	70-100	79	B1-U2-G1
30W16LED4K-T-LE3-YM	3059	37	0.32	0.19	0.17	0.15	700	70-100	83	B1-U2-G1
30W16LED4K-T-LE4-YM	3195	37	0.32	0.19	0.17	0.15	700	70-100	87	B1-U2-G1
30W16LED4K-T-LE5-YM	3328	37	0.32	0.19	0.17	0.15	700	70-100	90	B2-U2-G2
35W32LED4K-T-LE2-YM	3215	36	0.31	0.19	0.17	0.16	350	70-100	89	B1-U3-G1
35W32LED4K-T-LE3-YM	3388	36	0.31	0.19	0.17	0.16	350	70-100	94	B1-U2-G1
35W32LED4K-T-LE4-YM	3539	36	0.31	0.19	0.17	0.16	350	70-100	98	B1-U2-G1
35W32LED4K-T-LE5-YM	3686	36	0.31	0.19	0.17	0.16	350	70-100	102	B3-U3-G3
55W32LED4K-T-LE2-YM	4600	53	0.47	0.27	0.24	0.22	530	100-150	86	B1-U3-G1
55W32LED4K-T-LE3-YM	4847	53	0.47	0.27	0.24	0.22	530	100-150	91	B1-U3-G2
55W32LED4K-T-LE4-YM	5063	53	0.47	0.27	0.24	0.22	530	100-150	95	B1-U3-G2
55W32LED4K-T-LE5-YM	5273	53	0.47	0.27	0.24	0.22	530	100-150	99	B3-U3-G3

LED light engine technical information for RNS20 Yoke Mount (YM)

LED = Lumileds Luxeon T, CRI = 70, CCT = 3000K nominal (3045K +/- 175K or 2870K to 3220K)
System (LED + driver) rated life = 100,000 hrs[1]

LED Module	Typical delivered lumens	Typical system wattage (W)[2]	Typical System Current (A) @				LED current (mA)	HID [3] equivalent	Luminaire Efficacy Rating (Lm/W)	BUG rating
			120V	208V	240V	277V				
24W16LED3K-T-LE2-YM	2143	28	0.25	0.15	0.13	0.12	530	70-100	76	B1-U2-G1
24W16LED3K-T-LE3-YM	2258	28	0.25	0.15	0.13	0.12	530	70-100	80	B1-U2-G1
24W16LED3K-T-LE4-YM	2359	28	0.25	0.15	0.13	0.12	530	70-100	84	B1-U2-G1
24W16LED3K-T-LE5-YM	2253	28	0.25	0.15	0.13	0.12	530	70-100	80	B2-U2-G2
30W16LED3K-T-LE2-YM	2696	37	0.32	0.19	0.17	0.15	700	70-100	73	B1-U2-G1
30W16LED3K-T-LE3-YM	2841	37	0.32	0.19	0.17	0.15	700	70-100	77	B1-U2-G1
30W16LED3K-T-LE4-YM	2968	37	0.32	0.19	0.17	0.15	700	70-100	81	B1-U2-G1
30W16LED3K-T-LE5-YM	2835	37	0.32	0.19	0.17	0.15	700	70-100	77	B2-U2-G2
35W32LED3K-T-LE2-YM	2986	36	0.31	0.19	0.17	0.16	350	70-100	83	B1-U3-G1
35W32LED3K-T-LE3-YM	3147	36	0.31	0.19	0.17	0.16	350	70-100	87	B1-U2-G1
35W32LED3K-T-LE4-YM	3287	36	0.31	0.19	0.17	0.16	350	70-100	91	B1-U2-G1
35W32LED3K-T-LE5-YM	3140	36	0.31	0.19	0.17	0.16	350	70-100	87	B3-U3-G3
55W32LED3K-T-LE2-YM	4272	53	0.47	0.27	0.24	0.22	530	100-150	80	B1-U3-G1
55W32LED3K-T-LE3-YM	4502	53	0.47	0.27	0.24	0.22	530	100-150	84	B1-U3-G2
55W32LED3K-T-LE4-YM	4702	53	0.47	0.27	0.24	0.22	530	100-150	88	B1-U3-G2
55W32LED3K-T-LE5-YM	4492	53	0.47	0.27	0.24	0.22	530	100-150	84	B3-U3-G3

1. L70 = 70,000 hrs (at ambient temperature = 25°C)
2. System wattage includes the lamp and the LED driver
3. These guidelines show typical replacements for the HID wattage ranges shown. Replacements should always be confirmed with a photometric layout.

Note : Due to rapid and continuous advances in LED technology, LED luminaire data is subject to change without notice and at the discretion of Signify.

RNS20 Renaissance LED (small)

Urban Luminaire

Specifications:

Hood

Cast 356 aluminum dome, mechanically assembled on the luminaire, c/w a watertight grommet, mechanically assembled to the bracket with four bolts 3/8 16 UNC. This suspension system permits for a full rotation of the luminaire in 90 degree increments.

YM version: Cast 356 aluminum dome, mechanically assembled on the housing.

Housing

In a round shape, this housing is made of injection die cast A380 aluminum, complete with a weatherproof door giving a tool free access to the ballast, mechanically assembled. This suspension system permits for a full rotation of the luminaire in 90 degree increments.

YM version: In a round shape, this housing is made of die cast A380 aluminum, welded to the yoke.

Access-mechanism

A gravity die cast 356 aluminum frame with latch and hinge. The mechanism shall offer tool free access to the inside of the luminaire. An embedded memory retentive gasket shall ensure weatherproofing.

Globe

LEx: Made of one-piece seamless injection-molded (**ACDR**) DR acrylic or (**GL**) clear borosilicate glass globe having an inner prismatic surface. Complete with a semi-prismatic house side shield and external glare softening prisms. The globe is mechanically assembled and sealed onto the lower part of the heat sink.

Light engine

LEDgine composed of 4 main components:
Heat sink / LED module / Optical system / Driver

Electrical components are RoHS compliant.

Heat sink

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

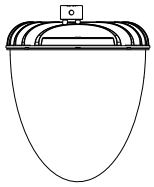
LED engine

LED type Lumileds LUXEON T. Composed of high-performance white LEDs. Color temperature as per ANSI/NEMA bin Neutral White, 3000 Kelvin nominal (3045K +/- 175K) or 4000 Kelvin nominal (3985K +/- 275K), CRI 70 Min. 75 Typical.

Optical system

LE2 (type II asymmetrical), **LE3** (type III asymmetrical), **LE4** (type IV asymmetrical) or **LE5** (type V symmetrical) light distributions. 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.

Prismatic globe: IP66 rated optical system, composed of individual pre-oriented lens to achieve desired distribution, assembled with globe having an inner prismatic surface permanently sealed onto the lower part of the heat sink.



LE2 - Type II (asymmetrical)
LE3 - Type III (asymmetrical)
LE4 - Type IV (asymmetrical)
LE5 - Type V (symmetrical)

Driver

High power factor of 90% minimum. 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. Maximum ambient operating temperature from -40F(-40C) to 130F(55C) degrees. Driver comes with dimming compatible 0-10 volts.

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.

DMG: Dimmable driver 0-10V.

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

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

Order Code	Dimming		
	Scenario	Duration	Level
CDMGS25	Safety	4 hours	25%
CDMGS50	Safety	4 hours	50%
CDMGS75	Safety	4 hours	75%
CDMGM25	Median	6 hours	25%
CDMGM50	Median	6 hours	50%
CDMGM75	Median	6 hours	75%
CDMGE25	Economy	8 hours	25%
CDMGE50	Economy	8 hours	50%
CDMGE75	Economy	8 hours	75%

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.

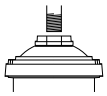
RNS20 Renaissance LED (small)

Urban Luminaire

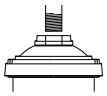
Specifications (continued)

Luminaire adaptor

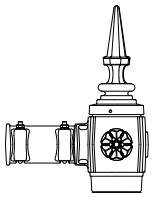
MA1: The luminaire is suspended by means of a mounting adaptor with a 1¼" (32mm) NPT threaded hole accepting a threaded tube from the mounting. Retrofit adaptor for existing mounting



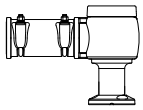
MA2: 1½" (38mm) NPT threaded hole accepting threaded tube from the mounting. Retrofit adaptor for existing mounting.



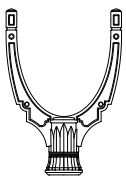
SMA: The luminaire is suspended by means of a decorative side-mounted cast aluminum adaptor. This adaptor accepts tubes from 1⅝" to 2⅜" (41 to 60 mm) and is adjustable to more or less 5°. The adaptor features a cast aluminum decorative cover and finial.



SMB: The luminaire is suspended by means of a decorative side-mounted cast aluminum adaptor. This adaptor accepts tubes from 1⅝" to 2⅜" (41 to 60 mm) and is adjustable to more or less 5°.

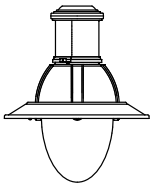


YM: Yoke made of cast 356 aluminum, c/w a fitter to fit over a 4in. (102mm) outside diameter x 4in.(102mm) long tenon, mechanically assembled with 4 set screws 3/8 16 UNC.



Luminaire options

DE1: Decorative deflector



HS: House side shield

RC: Receptacle 3 pins

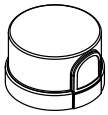
RCD: Receptacle 5 pins

RCD7: Receptacle 7 pins

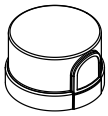
SP2: Integral surge protector

Luminaire accessories

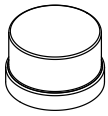
PH8: Photoelectric Cell, Twist-lock Type complete with receptacle. Allows a 90 degree rotation.



PHXL: Extended life photoelectric cell, Twist-lock Type complete with receptacle. Allows a 90 degree rotation.



PH9: Shorting cap, Twist-lock Type complete with receptacle.



RNS20 Renaissance LED (small)

Urban Luminaire

Specifications (continued)

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.

Finish Options Include:
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
GR: Gray Sandtex
GY3TX: Textured Medium Grey
NP: Natural Aluminum
RD2TX: Textured Burgundy
RD4TX: Textured Scarlet
TG: Hammer-tone Gold
WHTX: Textured White

Wiring

Gauge (#14) TEW/AWM 1015 or 1230 wires, 6" (152mm) minimum exceeding from luminaire.

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.

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

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

Vibration resistance

Meets the ANSI C136.31, American National Standard for Roadway Luminaire Vibration specifications for Bridge/overpass applications. (Tested for 1.5G over 100 000 cycles)

Certifications and Compliance

UL8750 and UL1598 compliant. ETL and cETL Listed to U.S. and Canadian safety standards for wet locations. In accordance with applicable ANSI C136 standards. Renaissance LED luminaires are DesignLights Consortium qualified.

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