



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: _____

Lumens: _____ Qty: _____

Notes: _____

Ordering guide

example: RN20-90W80LED4K-G3-ACDR-LE3R-UNV-DMG-RC-PH8-BKTX

Series	LED module	CCT	Gen.	Optical system			Voltage	Driver	Adaptors
			G3					DMG	
RN20 RN30	35W32LED 55W32LED 55W48LED 70W64LED 72W32LED 80W48LED 90W80LED 108W48LED 110W64LED 135W80LED 145W64LED 180W80LED	2.2K ⁹ 2200K 3K 3000K 4K 4000K	G3 Gen 3	Globe ACRD-LE2R Type II (ASYM) with acrylic globe ACRD-LE3R Type III (ASYM) with acrylic globe ACRD-LE4R Type IV (ASYM) with acrylic globe ACRD-LE5R² Type IV (SSYM) with acrylic globe	Sag Lens LE2S Type II (ASYM) Sag glass lens LE3S Type III (ASYM) Sag glass lens LE4S Type IV (ASYM) Sag glass lens LE5S² Type II (ASYM) Sag glass lens	Flat Lens LE2F Type II (ASYM) Flat glass lens LE3F Type III (ASYM) Flat glass lens LE4F Type IV (ASYM) Flat glass lens LE5F² Type V (ASYM) Flat glass lens	UNV 120-277V 347 347VAC 480 480VAC	DMG 0-10V DALI³ Pre-set, compatible with the DALI control system SRD¹ Sensor ready driver, standard configuration SRD1¹ Sensor ready driver, standard configuration	MA1 1/4" NPT threaded hole adapter accepting threaded tube. MA2 1 1/2" NPT threaded hole adapter accepting threaded tube SMA Decorative retro side- mounted cast-aluminum, accepts tubes from 1 1/8" to 2 3/8" SMB Decorative contemporary side mounted cast-aluminum, accepts tubes from 1 1/8" to 2 3/8"

Ordering guide (continued)

Options					Poles/ Brackets	Finish
Receptical	Control	Luminaire	Decorative			
RC ^{3,5} Receptacle for twist-lock photocell or shorting cap, 3-pin	PH7 ⁴ Photoelectric Cell, bottom type	BAC ⁷ Meets the requirements of the Buy America Act of 1933 (BAA)	DE1 Decorative Deflector	Consult signify.com/	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 Hammertone gold WHTX Textured white	
RCD ^{3,6} Receptacle for twist-lock photocell or shorting cap, 5-pin	PH8 ⁴ Twist-lock Photoelectric Cell	BABAF ⁷ 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				
RCD7 ^{3,6} Receptacle for twist-lock photocell or shorting cap, 7-pin	PH9 ⁴ Shorting cap PHXL ^{1,4} Twist-lock Photoelectric Cell, extended life, UNV (120-277VAC)	HS House Side Shield SP2 20kV/10 kA Surge Protector				

- Not available 347-480 volt.
- Not available with HS option.
- Use of photoelectric cell or shorting cap is required to ensure proper illumination.
- Luminaire option RC, RCD or RCD7 is required with this options.
- SMA or SMB adaptors is required for this option.
- SMB adaptors is required for this option
- 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.
- Consult Signify to confirm whether specific accessories are BAA-compliant.
- Extended lead-time may apply (consult factory).

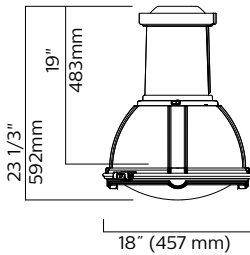


RN20-30 Renaissance LED (large)

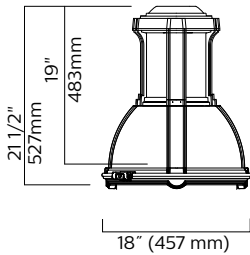
Urban Luminaire

Dimensions

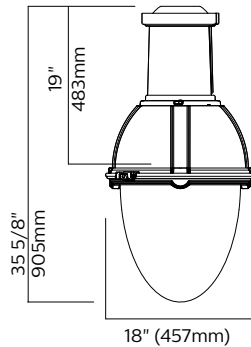
EPA: 2.03 ft² max.
ACDR Weight: 49 lbs (22.2kg) max.
GL Weight: 69 lbs (31.3kg) max.
EPA and weight are calculated without adaptor



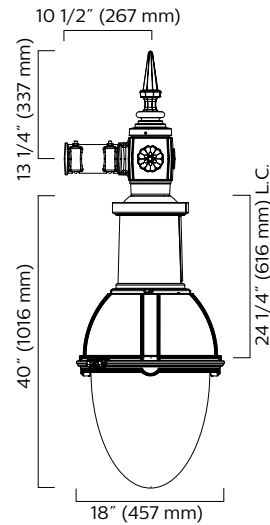
RN20-S optics



RN30-F optics



RN20-A optics



RN20-A optics-SMA

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. 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.

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%

RN20-30 Renaissance LED (large)

Urban Luminaire

LED Wattage and Lumen Values: for RN20-30, multiplier les valeurs de 4000K par 0,769 pour obtenir 2200K

Ordering Code:	Total LEDs	LED current (mA)	Average System Wattage (W)	Lumen Output	Efficacy (LPW)	BUG Rating	Lumen Output	Efficacy (LPW)	BUG Rating	Lumen Output	Efficacy (LPW)	BUG Rating	Lumen Output	Efficacy (LPW)	BUG Rating
Flat Glass 3000K				LE2F			LE3F			LE4F			LE5F		
35W32LED3K-G3-x	32	350	36	5219	145	B1-U0-G1	5161	144	B1-U0-G1	5129	143	B1-U0-G1	4988	139	B3-U0-G1
55W32LED3K-G3-x	32	530	53	7524	141	B2-U0-G1	7439	139	B1-U0-G1	7394	138	B1-U0-G2	7190	135	B3-U0-G1
72W32LED3K-G3-x	32	700	69	9384	136	B2-U0-G1	9279	135	B2-U0-G2	9222	134	B1-U0-G2	8967	130	B3-U0-G2
55W48LED3K-G3-x	48	350	52	7826	152	B2-U0-G1	7738	150	B2-U0-G2	7690	149	B2-U0-G2	7479	145	B3-U0-G2
80W48LED3K-G3-x	48	530	78	11227	144	B2-U0-G2	11101	143	B2-U0-G2	11032	142	B2-U0-G2	10728	138	B3-U0-G2
108W48LED3K-G3-x	48	700	102	14153	139	B2-U0-G2	13994	137	B2-U0-G2	13907	136	B2-U0-G2	13525	133	B4-U0-G2
70W64LED3K-G3-x	64	350	67	10347	154	B3-U0-G2	10231	153	B2-U0-G2	10167	152	B2-U0-G2	9888	148	B4-U0-G2
110W64LED3K-G3-x	64	530	102	14775	145	B3-U0-G2	14610	143	B2-U0-G2	14519	142	B2-U0-G2	14120	139	B4-U0-G2
145W64LED3K-G3-x	64	700	136	18547	136	B3-U0-G2	18339	135	B2-U0-G2	18224	134	B2-U0-G2	17723	130	B4-U0-G2
90W80LED3K-G3-x	80	350	83	12899	156	B3-U0-G2	12754	155	B3-U0-G2	12674	154	B3-U0-G3	12326	149	B4-U0-G2
135W80LED3K-G3-x	80	530	126	18342	145	B3-U0-G2	18136	144	B3-U0-G2	18024	143	B3-U0-G3	17528	139	B4-U0-G2
180W80LED3K-G3-x	80	700	170	22898	135	B3-U0-G3	22641	133	B3-U0-G3	22500	132	B3-U0-G3	21881	129	B5-U0-G3
Flat Glass 4000K				LE2F			LE3F			LE4F			LE5F		
35W32LED4K-G3-x	32	350	36	5480	153	B1-U0-G1	5418	151	B1-U0-G1	5385	150	B1-U0-G1	5237	146	B3-U0-G1
55W32LED4K-G3-x	32	530	53	7900	148	B2-U0-G1	7811	146	B2-U0-G2	7763	145	B1-U0-G2	7549	141	B3-U0-G2
72W32LED4K-G3-x	32	700	69	9854	143	B2-U0-G1	9743	141	B2-U0-G2	9682	141	B2-U0-G2	9416	137	B3-U0-G2
55W48LED4K-G3-x	48	350	52	8218	160	B2-U0-G2	8125	158	B2-U0-G2	8075	157	B2-U0-G2	7853	152	B3-U0-G2
80W48LED4K-G3-x	48	530	78	11789	152	B2-U0-G2	11655	150	B2-U0-G2	11584	149	B2-U0-G2	11264	145	B4-U0-G2
108W48LED4K-G3-x	48	700	102	14861	146	B2-U0-G2	14693	144	B2-U0-G2	14602	143	B2-U0-G2	14201	139	B4-U0-G2
70W64LED4K-G3-x	64	350	67	10864	162	B3-U0-G2	10742	160	B2-U0-G2	10675	159	B2-U0-G2	10381	155	B4-U0-G2
110W64LED4K-G3-x	64	530	102	15514	152	B3-U0-G2	15340	151	B2-U0-G2	15244	150	B2-U0-G2	14825	145	B4-U0-G2
145W64LED4K-G3-x	64	700	136	19475	143	B3-U0-G2	19256	142	B3-U0-G2	19136	141	B2-U0-G2	18610	137	B4-U0-G2
90W80LED4K-G3-x	80	350	83	13543	164	B3-U0-G2	13391	162	B3-U0-G2	13308	161	B3-U0-G3	12942	157	B4-U0-G2
135W80LED4K-G3-x	80	530	126	19259	153	B3-U0-G2	19043	151	B3-U0-G2	18924	150	B3-U0-G3	18405	146	B4-U0-G2
180W80LED4K-G3-x	80	700	170	24043	142	B3-U0-G3	23773	140	B3-U0-G3	23625	139	B3-U0-G3	22976	135	B5-U0-G3
Sag Glass 3000K				LE2S			LE3S			LE4S			LE5S		
35W32LED3K-G3-x	32	350	36	5264	147	B1-U0-G1	5231	146	B1-U0-G1	5208	145	B1-U0-G1	5130	143	B3-U0-G1
55W32LED3K-G3-x	32	530	53	7590	142	B2-U0-G1	7542	141	B1-U0-G2	7507	141	B1-U0-G2	7396	138	B3-U0-G2
72W32LED3K-G3-x	32	700	69	9466	137	B2-U0-G1	9407	137	B1-U0-G2	9364	136	B1-U0-G2	9224	134	B3-U0-G2
55W48LED3K-G3-x	48	350	52	7894	153	B2-U0-G2	7845	152	B2-U0-G2	7809	152	B2-U0-G2	7693	149	B3-U0-G2
80W48LED3K-G3-x	48	530	78	11325	146	B2-U0-G2	11254	145	B2-U0-G2	11201	144	B2-U0-G2	11035	142	B4-U0-G2
108W48LED3K-G3-x	48	700	102	14277	140	B2-U0-G2	14187	139	B2-U0-G2	14121	139	B2-U0-G2	13910	137	B4-U0-G2
70W64LED3K-G3-x	64	350	67	10437	156	B3-U0-G2	10372	155	B2-U0-G2	10324	154	B2-U0-G2	10170	152	B4-U0-G2
110W64LED3K-G3-x	64	530	102	14904	146	B3-U0-G2	14812	145	B2-U0-G2	14742	145	B2-U0-G2	14522	143	B4-U0-G2
145W64LED3K-G3-x	64	700	136	18709	138	B3-U0-G2	18592	137	B2-U0-G2	18505	136	B2-U0-G2	18230	134	B4-U0-G2
90W80LED3K-G3-x	80	350	83	13011	158	B3-U0-G2	12930	157	B3-U0-G2	12869	156	B3-U0-G3	12678	154	B4-U0-G2
135W80LED3K-G3-x	80	530	126	18502	147	B3-U0-G2	18387	146	B3-U0-G2	18301	145	B3-U0-G3	18028	143	B4-U0-G2
180W80LED3K-G3-x	80	700	170	23098	136	B3-U0-G3	22954	135	B3-U0-G3	22847	134	B3-U0-G3	22506	132	B5-U0-G3
Sag Glass 4000K				LE2S			LE3S			LE4S			LE5S		
35W32LED4K-G3-x	32	350	36	5528	154	B1-U0-G1	5493	153	B1-U0-G1	5467	152	B1-U0-G1	5386	150	B3-U0-G1
55W32LED4K-G3-x	32	530	53	7969	149	B2-U0-G1	7919	148	B1-U0-G2	7883	148	B1-U0-G2	7765	145	B3-U0-G2
72W32LED4K-G3-x	32	700	69	9939	144	B2-U0-G1	9877	143	B2-U0-G2	9831	143	B1-U0-G2	9685	141	B3-U0-G2
55W48LED4K-G3-x	48	350	52	8289	161	B2-U0-G2	8237	160	B2-U0-G2	8200	159	B2-U0-G2	8077	157	B4-U0-G2
80W48LED4K-G3-x	48	530	78	11891	153	B2-U0-G2	11816	152	B2-U0-G2	11762	151	B2-U0-G2	11587	149	B4-U0-G2
108W48LED4K-G3-x	48	700	102	14990	147	B2-U0-G2	14897	146	B2-U0-G2	14828	146	B2-U0-G2	14607	143	B4-U0-G2
70W64LED4K-G3-x	64	350	67	10959	164	B3-U0-G2	10891	163	B2-U0-G2	10839	162	B2-U0-G2	10678	159	B4-U0-G2
110W64LED4K-G3-x	64	530	102	15650	154	B3-U0-G2	15552	153	B2-U0-G2	15480	152	B2-U0-G2	15248	150	B4-U0-G2
145W64LED4K-G3-x	64	700	136	19644	145	B3-U0-G2	19522	144	B2-U0-G2	19431	143	B2-U0-G3	19141	141	B4-U0-G2
90W80LED4K-G3-x	80	350	83	13662	166	B3-U0-G2	13576	165	B3-U0-G3	13513	164	B3-U0-G3	13311	161	B5-U0-G3
135W80LED4K-G3-x	80	530	126	19427	154	B3-U0-G2	19306	153	B3-U0-G3	19216	152	B3-U0-G3	18930	150	B5-U0-G3
180W80LED4K-G3-x	80	700	170	24253	143	B3-U0-G3	24101	142	B3-U0-G3	23989	141	B3-U0-G4	23632	139	B5-U0-G3

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.

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

RN20-30 Renaissance LED (large)

Urban Luminaire

LED Wattage and Lumen Values: for RN20-30, multiplier les valeurs de 4000K par 0,769 pour obtenir 2200K

Ordering Code:	Total LEDs	LED current (mA)	Average System Wattage (W)	Lumen Output	Efficacy (LPW)	BUG Rating	Lumen Output	Efficacy (LPW)	BUG Rating	Lumen Output	Efficacy (LPW)	BUG Rating	Lumen Output	Efficacy (LPW)	BUG Rating
Globe 3000K				LE2R			LE3R			LE4R			LE5R		
35W32LED3K-G3-x	32	350	36	5536	154	B1-U3-G1	5516	154	B1-U3-G1	5483	153	B1-U3-G2	5254	146	B3-U3-G1
55W32LED3K-G3-x	32	530	53	7981	149	B2-U3-G2	7953	149	B2-U3-G2	7905	148	B1-U3-G2	7573	142	B3-U3-G2
72W32LED3K-G3-x	32	700	69	9954	144	B2-U3-G2	9919	144	B2-U3-G2	9860	143	B1-U3-G2	9446	137	B3-U3-G2
55W48LED3K-G3-x	48	350	52	8301	161	B2-U3-G2	8272	161	B2-U3-G2	8223	160	B2-U3-G2	7877	153	B4-U3-G2
80W48LED3K-G3-x	48	530	78	11908	153	B2-U3-G2	11867	153	B2-U3-G2	11796	152	B2-U3-G2	11301	145	B4-U3-G2
108W48LED3K-G3-x	48	700	102	15012	147	B2-U3-G2	14959	147	B2-U3-G2	14870	146	B2-U3-G3	14246	140	B4-U3-G2
70W64LED3K-G3-x	64	350	67	10975	164	B2-U3-G2	10936	163	B2-U3-G3	10871	162	B2-U3-G3	10414	155	B4-U3-G3
110W64LED3K-G3-x	64	530	102	15672	154	B3-U3-G3	15618	153	B2-U3-G3	15525	152	B2-U3-G3	14872	146	B4-U3-G3
145W64LED3K-G3-x	64	700	136	19673	145	B3-U3-G3	19604	144	B3-U3-G3	19487	143	B2-U3-G3	18670	137	B4-U3-G3
90W80LED3K-G3-x	80	350	83	13682	166	B3-U3-G3	13634	165	B3-U3-G3	13553	164	B3-U3-G3	12983	157	B5-U3-G3
135W80LED3K-G3-x	80	530	126	19455	154	B3-U3-G3	19387	154	B3-U3-G3	19272	153	B3-U3-G3	18462	146	B5-U3-G3
180W80LED3K-G3-x	80	700	170	24288	143	B3-U3-G3	24203	142	B3-U3-G3	24059	142	B3-U3-G4	23049	136	B5-U3-G3
Globe 4000K				LE2R			LE3R			LE4R			LE5R		
35W32LED4K-G3-x	32	350	36	5813	162	B1-U3-G1	5792	161	B1-U3-G1	5758	160	B1-U3-G2	5516	154	B3-U3-G2
55W32LED4K-G3-x	32	530	53	8380	157	B2-U3-G2	8350	156	B2-U3-G2	8300	155	B1-U3-G2	7952	149	B3-U3-G2
72W32LED4K-G3-x	32	700	69	10452	152	B2-U3-G2	10415	151	B2-U3-G2	10353	150	B1-U3-G2	9919	144	B3-U3-G2
55W48LED4K-G3-x	48	350	52	8717	169	B2-U3-G2	8686	169	B2-U3-G2	8634	168	B2-U3-G2	8271	161	B4-U3-G2
80W48LED4K-G3-x	48	530	78	12504	161	B2-U3-G2	12460	160	B2-U3-G2	12386	159	B2-U3-G3	11865	153	B4-U3-G2
108W48LED4K-G3-x	48	700	102	15763	155	B2-U3-G2	15707	154	B2-U3-G2	15613	153	B2-U3-G3	14958	147	B4-U3-G2
70W64LED4K-G3-x	64	350	67	11524	172	B3-U3-G3	11483	171	B2-U3-G3	11415	170	B2-U3-G3	10935	163	B4-U3-G3
110W64LED4K-G3-x	64	530	102	16456	161	B3-U3-G3	16398	161	B3-U3-G3	16301	160	B2-U3-G3	15617	153	B4-U3-G3
145W64LED4K-G3-x	64	700	136	20657	152	B3-U3-G3	20584	151	B3-U3-G3	20461	151	B2-U3-G3	19603	144	B4-U3-G3
90W80LED4K-G3-x	80	350	83	14366	174	B3-U3-G3	14315	174	B3-U3-G3	14230	172	B3-U3-G3	13633	165	B5-U3-G3
135W80LED4K-G3-x	80	530	126	20428	162	B3-U3-G3	20357	161	B3-U3-G3	20235	160	B3-U3-G3	19386	154	B5-U3-G3
180W80LED4K-G3-x	80	700	170	25502	150	B3-U3-G3	25413	150	B3-U3-G3	25262	149	B3-U3-G4	24201	142	B5-U3-G3

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highly recommended to confirm performance with a layout – contact Applications at signify.com/outdoorluminaires.

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RN20-30 Renaissance LED (large)

Urban Luminaire

Specifications:

Hood

Injection die cast A360.1 aluminum dome, mechanically assembled on the luminaire housing.

Housing

In a round shape, this housing is made of injection die cast A360.1 aluminum, complete with a weatherproof door giving a tool free access to the ballast, without disconnection of wiring, mechanically assembled. This suspension system permits a full rotation of the luminaire in 90° increments.

Access-mechanism

Injection die cast A360.1 aluminum frame with latch and hinge, complete with cast in security block for frame's open position. The mechanism shall offer tool free access to the inside of the luminaire. An embedded memory retentive gasket shall ensure weatherproofing.

Light engine

LEDgine composed of 5 main components:

**Globe / Heat Sink /LED module /
Optical System / Driver**

Electrical components are RoHS compliant.

Globe

LEXR: Made of one-piece seamless injection-molded (ACDR) DR acrylic 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.

LEXF /LEXS: Made of soda lime tempered glass lens, mechanically 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).

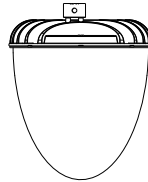
LED engine

LED type: Lumileds LUXEON T. 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.

Optical system

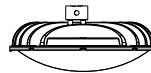
LE2F/R/S (type II asymmetrical), **LE3F/R/S** (type III asymmetrical), **LE4F/R/S** (type IV asymmetrical), **LE5F/R/S** (type V symmetrical) light distributions (F= flat lens, R= globe, S= sag lens). Composed of high performance optical grade PMMA acrylic refractor lenses to achieve desired distribution 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. For Flat Lens only: Dark Sky compliant with 0% uplight and U0 per IESNA TM 15.

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.



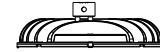
ACRD-LE2R Type II (ASYM) with acrylic globe
ACRD-LE3R Type III (ASYM) with acrylic globe
ACRD-LE4R Type IV (ASYM) with acrylic globe
ACRD-LE5R Type IV (SYMM) with acrylic globe

Sag lens: IP66 rated optical system, composed of individual pre-oriented lens to achieve desired distribution, assembled with a tempered-glass sag lens permanently sealed onto the lower part of the heat sink.



LE2S - Type II (ASYM) Sag glass lens
LE3S - Type III (ASYM) Sag glass lens
LE4S - Type IV (ASYM) Sag glass lens
LE5S - Type V (SYMM) Sag glass lens

Flat lens: IP66 rated optical system, composed of individual pre-oriented lens to achieve desired distribution, assembled with a tempered-glass flat lens permanently sealed onto the lower part of the heat sink.



LE2F - Type II (ASYM) Flat glass lens
LE3F - Type III (ASYM) Flat glass lens
LE4F - Type IV (ASYM) Flat glass lens
LE5F - Type V (SYMM) Flat glass lens

Driver

Driver comes standard with dimming compatible 0-10V. 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. Maximum ambient operating temperature from -40F (-40C) to 130F (55C) degrees. Certified in compliance to UL1310 cULus requirement. Dry and damp location. Assembled on a unitized removable tray with Tyco quick disconnect plug resisting to 221F(105C) degrees. 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. Option for SP2 20kV/20kA.

RN20-30 Renaissance LED (large)

Urban Luminaire

Specifications (continued):

Driver options

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

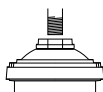
DMG: Dimmable driver 0-10V.

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.

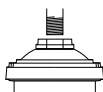
SRD1: Sensor Ready Driver including SR communication (used for dimming and other functionalities) but with 24V auxiliary supply and a logical signal input (LSI) not connected to the top NEMA twist lock.

Luminaire adaptor

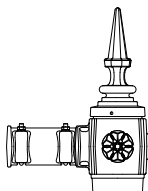
MA1: The luminaire is suspended by means of a mounting adaptor with a 1¼" (32mm) NPT threaded hole accepting a threaded tube from the mounting. Retrofit adaptor for existing mounting.



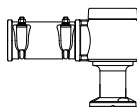
MA2: 1½" (38mm) NPT threaded hole accepting threaded tube from the mounting. Retrofit adaptor for existing mounting.



SMA: The luminaire is suspended by means of a decorative side-mounted cast aluminum adaptor. This adaptor accepts tubes from 1½" to 2½" (41 to 60mm) and is adjustable to more or less 5°. The adaptor features a cast aluminum decorative cover and finial.

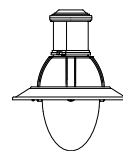


SMB: The luminaire is suspended by means of a decorative side-mounted cast aluminum adaptor. This adaptor accepts tubes from 1½" to 2½" (41 to 60mm) and is adjustable to more or less 5°.



Luminaire options

DE1: Decorative deflector



BO: Bridge and Overpass

HS: House side shield

PH7: Photoelectric cell, bottom type

RC: Receptacle 3 pins



RCD: Receptacle 5 pins



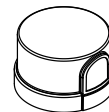
RCD7: Receptacle 7 pins



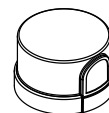
SP2: Integral surge protector

Luminaire accessories

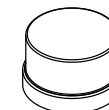
PH8: Photoelectric Cell, Twist-lock Type. Allows a 90° rotation.



PHXL: Extended life photoelectric cell, Twist-lock Type. Allows a 90° rotation.



PH9: Shorting cap, Twist-lock Type.



RN20-30 Renaissance LED (large)

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
TS: Hammer-tone Silver
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 2015 standards and ISO 14001-2015 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 3G over 100 000 cycles)

Certifications and Compliance

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