LUMEC

Urban

Renaissance

R20/30 (large)

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		Gen.	Optical system			Voltage	Driver	Adaptors
			G3					DMG	
RN20 **RN30**	**3000K** **35W32LED** **55W32LED** **55W48LED** **70W64LED** **72W32LED** **80W48LED** **90W80LED** **108W48LED** **110W64LED** **135W80LED** **145W64LED** **180W80LED**	**4000K** **35W32LED** **55W32LED** **55W48LED** **70W64LED** **72W32LED** **80W48LED** **90W80LED** **108W48LED** **110W64LED** **135W80LED** **145W64LED** **180W80LED**	**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-LE5R**[2] 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 **LE5S**[2] 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 **LE5F**[2] Type V (ASYM) Flat glass lens	**UNV** 120-277V **347** 347VAC **480** 480VAC	**DMG** 0-10V **DALI**[3] Pre-set, compatible with the DALI control system **SRD**[1] Sensor ready driver, standard configuration **SRD1**[1] 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 5/8" to 2 3/8" **SMB** Decorative contemporary side mounted cast-aluminum, accepts tubes from 1 5/8" 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 **RCD**[3,6] Receptacle for twist-lock photocell or shorting cap, 5-pin **RCD7**[3,6] Receptacle for twist-lock photocell or shorting cap, 7-pin	**PH7**[4] Photoelectric Cell, bottom type **PH8**[4] Twist-lock Photoelectric Cell **PH9**[4] Shorting cap **PHXL**[1,4] Twist-lock Photoelectric Cell, extended life, UNV (120-277VAC)	**BAC**[7] Meets the requirements of the Buy America Act of 1933 (BAA) **HS** House Side Shield **SP2** 20kV/10 kA Surge Protector	**DE1** Decorative Deflector	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** Hammertone gold **WHTX** Textured white

1. Not available 347-480 volt.
2. Not available with HS option.
3. Use of photoelectric cell or shorting cap is required to ensure proper illumination.
4. Luminaire option RC, RCD or RCD7 is required with this options.
5. SMA or SMB adaptors is required for this option.
6. SMB adaptors is required for this option
7. 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.
8. Consult Signify to confirm whether specific accessories are BAA-compliant.

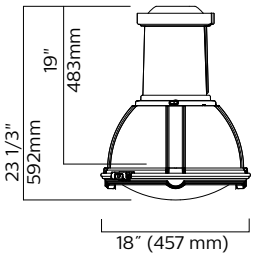
DLC LISTED

RN20-30 Renaissance LED (large)

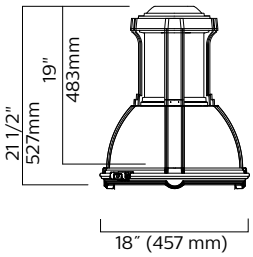
Urban Luminaire

Dimensions

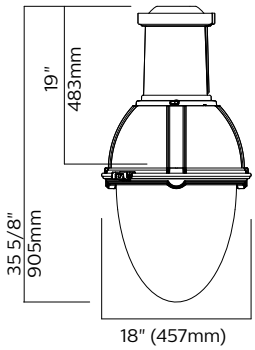
EPA: 2.03 ft² max.
ACDR Weight: 49 lbs (22.2kg) max.
GL Weight: 69 lbs (31.3kg) max.
EPA and weight are calculated without adaptor



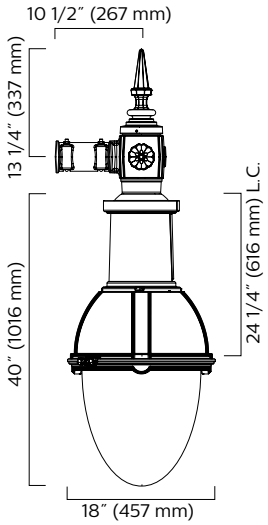
RN20-S optics



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. 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%

RN20-30 Renaissance LED (large)

Urban Luminaire

LED Wattage and Lumen Values: for RN20-30

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	37	4888	132	B1-U0-G1	4833	131	B1-U0-G1	4803	130	B1-U0-G1	4671	126	B3-U0-G1
55W32LED3K-G3-x	32	530	55	7046	128	B2-U0-G1	6967	127	B1-U0-G1	6924	126	B1-U0-G2	6733	122	B3-U0-G1
72W32LED3K-G3-x	32	700	71	8788	124	B2-U0-G1	8690	122	B2-U0-G2	8636	122	B2-U0-G2	8398	118	B3-U0-G2
55W48LED3K-G3-x	48	350	53	7329	138	B2-U0-G1	7247	137	B2-U0-G2	7202	136	B1-U0-G2	7004	132	B3-U0-G2
80W48LED3K-G3-x	48	530	80	10514	131	B2-U0-G2	10396	130	B2-U0-G2	10331	129	B2-U0-G2	10047	126	B4-U0-G2
108W48LED3K-G3-x	48	700	105	13254	126	B3-U0-G2	13105	125	B2-U0-G2	13024	124	B2-U0-G2	12666	121	B4-U0-G2
70W64LED3K-G3-x	64	350	69	9690	140	B2-U0-G2	9581	139	B2-U0-G2	9521	138	B2-U0-G2	9260	134	B3-U0-G2
110W64LED3K-G3-x	64	530	105	13837	132	B3-U0-G2	13682	130	B2-U0-G2	13597	129	B2-U0-G2	13223	126	B4-U0-G2
145W64LED3K-G3-x	64	700	140	17369	124	B3-U0-G2	17174	123	B3-U0-G2	17067	122	B3-U0-G3	16598	119	B4-U0-G2
90W80LED3K-G3-x	80	350	85	12080	142	B3-U0-G2	11944	141	B2-U0-G2	11869	140	B2-U0-G2	11543	136	B4-U0-G2
135W80LED3K-G3-x	80	530	130	17177	132	B3-U0-G2	16984	131	B3-U0-G2	16879	130	B3-U0-G3	16415	126	B4-U0-G2
180W80LED3K-G3-x	80	700	175	21444	123	B3-U0-G3	21203	121	B3-U0-G3	21071	120	B3-U0-G3	20492	117	B5-U0-G3
Flat Glass 4000K					**LE2F**			**LE3F**			**LE4F**			**LE5F**	
35W32LED4K-G3-x	32	350	37	5132	114	B1-U0-G1	5074	115	B1-U0-G1	5043	115	B1-U0-G1	4904	115	B3-U0-G1
55W32LED4K-G3-x	32	530	55	7398	109	B2-U0-G1	7315	110	B2-U0-G2	7270	110	B1-U0-G2	7070	110	B3-U0-G2
72W32LED4K-G3-x	32	700	71	9228	110	B2-U0-G1	9124	110	B2-U0-G2	9067	110	B2-U0-G2	8818	110	B3-U0-G2
55W48LED4K-G3-x	48	350	53	7696	102	B2-U0-G2	7609	102	B2-U0-G2	7562	102	B2-U0-G2	7354	102	B3-U0-G2
80W48LED4K-G3-x	48	530	80	11040	118	B2-U0-G2	10915	119	B2-U0-G2	10848	119	B2-U0-G2	10549	119	B4-U0-G2
108W48LED4K-G3-x	48	700	105	13917	114	B2-U0-G2	13760	115	B2-U0-G2	13675	115	B2-U0-G2	13299	115	B4-U0-G2
70W64LED4K-G3-x	64	350	69	10174	111	B3-U0-G2	10060	112	B2-U0-G2	9997	112	B2-U0-G2	9722	112	B4-U0-G2
110W64LED4K-G3-x	64	530	105	14529	103	B3-U0-G2	14366	104	B2-U0-G2	14276	104	B2-U0-G2	13884	104	B4-U0-G2
145W64LED4K-G3-x	64	700	140	18238	118	B3-U0-G2	18033	119	B3-U0-G2	17921	119	B2-U0-G2	17428	119	B4-U0-G2
90W80LED4K-G3-x	80	350	85	12683	118	B3-U0-G2	12541	119	B3-U0-G2	12463	119	B3-U0-G3	12120	119	B4-U0-G2
135W80LED4K-G3-x	80	530	130	18036	117	B3-U0-G2	17834	118	B3-U0-G2	17722	118	B3-U0-G3	17236	118	B4-U0-G2
180W80LED4K-G3-x	80	700	175	22516	112	B3-U0-G3	22263	113	B3-U0-G3	22125	113	B3-U0-G3	21517	113	B5-U0-G3
Sag Glass 3000K					**LE2S**			**LE3S**			**LE4S**			**LE5S**	
35W32LED3K-G3-x	32	350	37	4930	133	B1-U0-G1	4899	132	B1-U0-G1	4877	132	B1-U0-G1	4804	130	B3-U0-G1
55W32LED3K-G3-x	32	530	55	7108	129	B2-U0-G1	7063	128	B1-U0-G2	7030	128	B1-U0-G2	6926	126	B3-U0-G2
72W32LED3K-G3-x	32	700	71	8865	125	B2-U0-G2	8810	124	B2-U0-G2	8769	124	B2-U0-G2	8638	122	B3-U0-G2
55W48LED3K-G3-x	48	350	53	7393	139	B2-U0-G1	7347	139	B1-U0-G2	7313	138	B1-U0-G2	7204	136	B3-U0-G2
80W48LED3K-G3-x	48	530	80	10606	133	B2-U0-G2	10539	132	B2-U0-G2	10490	131	B2-U0-G2	10334	129	B4-U0-G2
108W48LED3K-G3-x	48	700	105	13370	127	B3-U0-G2	13286	127	B2-U0-G2	13224	126	B2-U0-G2	13027	124	B4-U0-G2
70W64LED3K-G3-x	64	350	69	9774	142	B2-U0-G2	9713	141	B2-U0-G2	9668	140	B2-U0-G2	9524	138	B4-U0-G2
110W64LED3K-G3-x	64	530	105	13958	133	B3-U0-G2	13871	132	B2-U0-G2	13806	131	B2-U0-G2	13600	130	B4-U0-G2
145W64LED3K-G3-x	64	700	140	17521	125	B3-U0-G2	17411	124	B3-U0-G2	17330	124	B3-U0-G3	17072	122	B4-U0-G2
90W80LED3K-G3-x	80	350	85	12185	143	B3-U0-G2	12109	142	B2-U0-G2	12052	142	B2-U0-G2	11873	140	B4-U0-G2
135W80LED3K-G3-x	80	530	130	17327	133	B3-U0-G2	17219	132	B3-U0-G2	17139	132	B3-U0-G3	16883	130	B4-U0-G2
180W80LED3K-G3-x	80	700	175	21631	124	B3-U0-G3	21496	123	B3-U0-G3	21396	122	B3-U0-G3	21077	120	B5-U0-G3
Sag Glass 4000K					**LE2S**			**LE3S**			**LE4S**			**LE5S**	
35W32LED4K-G3-x	32	350	37	5177	114	B1-U0-G1	5144	114	B1-U0-G1	5120	114	B1-U0-G1	5044	114	B3-U0-G1
55W32LED4K-G3-x	32	530	55	7463	109	B2-U0-G1	7416	109	B1-U0-G2	7382	109	B1-U0-G2	7272	109	B3-U0-G2
72W32LED4K-G3-x	32	700	71	9308	110	B2-U0-G1	9250	110	B2-U0-G2	9207	110	B1-U0-G2	9070	110	B3-U0-G2
55W48LED4K-G3-x	48	350	53	7763	102	B2-U0-G2	7714	102	B2-U0-G2	7679	102	B2-U0-G2	7564	102	B4-U0-G2
80W48LED4K-G3-x	48	530	80	11136	118	B2-U0-G2	11066	118	B2-U0-G2	11015	118	B2-U0-G2	10851	118	B4-U0-G2
108W48LED4K-G3-x	48	700	105	14038	114	B2-U0-G2	13951	114	B2-U0-G2	13886	114	B2-U0-G2	13679	114	B4-U0-G2
70W64LED4K-G3-x	64	350	69	10263	111	B3-U0-G2	10199	111	B2-U0-G2	10151	111	B2-U0-G2	10000	111	B4-U0-G2
110W64LED4K-G3-x	64	530	105	14656	103	B3-U0-G2	14564	103	B2-U0-G2	14497	103	B2-U0-G2	14280	103	B4-U0-G2
145W64LED4K-G3-x	64	700	140	18397	118	B3-U0-G2	18282	118	B2-U0-G2	18197	118	B2-U0-G3	17926	118	B4-U0-G2
90W80LED4K-G3-x	80	350	85	12794	118	B3-U0-G2	12714	118	B3-U0-G3	12655	118	B3-U0-G3	12466	118	B5-U0-G3
135W80LED4K-G3-x	80	530	130	18193	117	B3-U0-G2	18080	117	B3-U0-G3	17996	117	B3-U0-G3	17728	117	B5-U0-G3
180W80LED4K-G3-x	80	700	175	22713	112	B3-U0-G3	22571	112	B3-U0-G3	22466	112	B3-U0-G4	22131	112	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

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	37	5184	140	B1-U3-G1	5166	140	B1-U3-G1	5135	139	B1-U3-G1	4920	133	B3-U3-G1
55W32LED3K-G3-x	32	530	55	7474	136	B2-U3-G2	7448	135	B2-U3-G2	7403	135	B2-U3-G2	7092	129	B3-U3-G2
72W32LED3K-G3-x	32	700	71	9322	131	B2-U3-G2	9289	131	B2-U3-G2	9234	130	B2-U3-G2	8846	125	B4-U3-G2
55W48LED3K-G3-x	48	350	53	7774	147	B2-U3-G2	7747	146	B2-U3-G2	7701	145	B2-U3-G2	7377	139	B3-U3-G2
80W48LED3K-G3-x	48	530	80	11152	139	B2-U3-G2	11113	139	B2-U3-G2	11047	138	B2-U3-G2	10583	132	B4-U3-G2
108W48LED3K-G3-x	48	700	105	14059	134	B3-U3-G3	14009	133	B2-U3-G3	13926	133	B2-U3-G3	13341	127	B4-U3-G3
70W64LED3K-G3-x	64	350	69	10278	149	B2-U3-G2	10242	148	B2-U3-G2	10181	148	B2-U3-G2	9753	141	B4-U3-G2
110W64LED3K-G3-x	64	530	105	14677	140	B3-U3-G3	14626	139	B3-U3-G3	14539	138	B3-U3-G3	13928	133	B4-U3-G3
145W64LED3K-G3-x	64	700	140	18424	132	B3-U3-G3	18359	131	B3-U3-G3	18250	130	B3-U3-G3	17484	125	B5-U3-G3
90W80LED3K-G3-x	80	350	85	12813	151	B2-U3-G2	12768	150	B2-U3-G3	12692	149	B2-U3-G3	12159	143	B4-U3-G3
135W80LED3K-G3-x	80	530	130	18220	140	B3-U3-G3	18156	140	B3-U3-G3	18048	139	B3-U3-G3	17290	133	B5-U3-G3
180W80LED3K-G3-x	80	700	175	22746	130	B3-U3-G3	22666	130	B3-U3-G3	22531	129	B3-U3-G3	21585	123	B5-U3-G3
Globe 4000K					**LE2R**			**LE3R**			**LE4R**			**LE5R**	
35W32LED4K-G3-x	32	350	37	5444	114	B1-U3-G1	5424	114	B1-U3-G1	5392	114	B1-U3-G2	5166	114	B3-U3-G2
55W32LED4K-G3-x	32	530	55	7848	109	B2-U3-G2	7820	109	B2-U3-G2	7773	109	B1-U3-G2	7447	109	B3-U3-G2
72W32LED4K-G3-x	32	700	71	9788	110	B2-U3-G2	9754	110	B2-U3-G2	9696	110	B1-U3-G2	9289	110	B3-U3-G2
55W48LED4K-G3-x	48	350	53	8163	102	B2-U3-G2	8134	102	B2-U3-G2	8086	102	B2-U3-G2	7746	102	B4-U3-G2
80W48LED4K-G3-x	48	530	80	11710	118	B2-U3-G2	11669	118	B2-U3-G2	11599	118	B2-U3-G3	11112	118	B4-U3-G2
108W48LED4K-G3-x	48	700	105	14762	114	B2-U3-G2	14710	114	B2-U3-G2	14622	114	B2-U3-G3	14008	114	B4-U3-G2
70W64LED4K-G3-x	64	350	69	10792	111	B3-U3-G3	10754	111	B2-U3-G3	10690	111	B2-U3-G3	10241	111	B4-U3-G3
110W64LED4K-G3-x	64	530	105	15411	103	B3-U3-G3	15357	103	B3-U3-G3	15266	103	B2-U3-G3	14625	103	B4-U3-G3
145W64LED4K-G3-x	64	700	140	19345	118	B3-U3-G3	19277	118	B3-U3-G3	19162	118	B2-U3-G3	18358	118	B4-U3-G3
90W80LED4K-G3-x	80	350	85	13454	118	B3-U3-G3	13406	118	B3-U3-G3	13326	118	B3-U3-G3	12767	118	B5-U3-G3
135W80LED4K-G3-x	80	530	130	19131	117	B3-U3-G3	19064	117	B3-U3-G3	18950	117	B3-U3-G3	18155	117	B5-U3-G3
180W80LED4K-G3-x	80	700	175	23883	112	B3-U3-G3	23799	112	B3-U3-G3	23658	112	B3-U3-G4	22664	112	B5-U3-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

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).

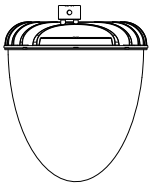
LED engine

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

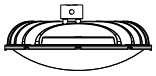
LE2F/R/S (type II asymmetrical), **LE3F/R/S** (type III asymmetrical), **LE4F/R/S** (type IV asymmetrical), **LE5F/R/S** (type V symmetrical) light distributions (**F**= flat lens, **R**= globe, **S**- sag lens). Composed of high performance optical grade PMMA acrylic refractor lenses to achieve desired 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.



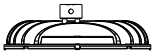
ACRD-LE2R Type II (ASYM) with acrylic globe
ACRD-LE3R Type III (ASYM) with acrylic globe
ACRD-LE4R Type IV (ASYM) with acrylic globe
ACRD-LE5R Type IV (SYMM) with acrylic globe

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.

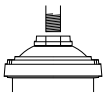
DMG: Dimmable driver 0-10V.

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.

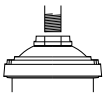
SRD1: Sensor Ready Driver including SR communication (used for dimming and other functionalities) but with 24V auxiliary supply and a logical signal input (LSI) not connected to the top NEMA twist lock.

Luminaire adaptor

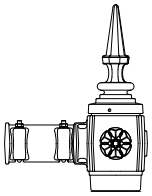
MA1: The luminaire is suspended by means of a mounting adaptor with a 1¼" (32mm) NPT threaded hole accepting a threaded tube from the mounting. Retrofit adaptor for existing mounting



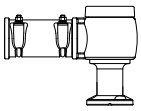
MA2: 1½" (38mm) NPT threaded hole accepting threaded tube from the mounting. Retrofit adaptor for existing mounting.



SMA: The luminaire is suspended by means of a decorative side-mounted cast aluminum adaptor. This adaptor accepts tubes from 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.

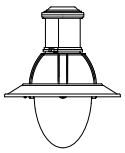


SMB: The luminaire is suspended by means of a decorative side-mounted cast aluminum adaptor. This adaptor accepts tubes from 1⅝" to 2⅜" (41 to 60 mm) and is adjustable to more or less 5°.



Luminaire options

DE1: Decorative deflector



BO: Bridge and Overpass

HS: House side shield

PH7: Photoelectric cell, bottom type

RC: Receptacle 3 pins

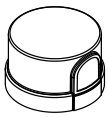
RCD: Receptacle 5 pins

RCD7: Receptacle 7 pins

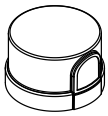
SP2: Integral surge protector

Luminaire accessories

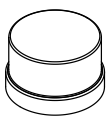
PH8: Photoelectric Cell, Twist-lock Type. Allows a 90° rotation.



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.

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