



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: RN20-90W80LED4K-T-ACDR-LE3R-120-DMG-SMA-RC-PH8-BKTX

Series	LED module		Lamp type	Globe material	Optical system	Voltage	Driver options
	4000K	3000K	T				
RN20 RN30	35W32LED4K 55W32LED4K 55W48LED4K 70W64LED4K 72W32LED4K 80W48LED4K 90W80LED4K 108W48LED4K 110W64LED4K 135W80LED4K 145W64LED4K 180W80LED4K	35W32LED3K 55W32LED3K 55W48LED3K 70W64LED3K 72W32LED3K 80W48LED3K 90W80LED3K 108W48LED3K 110W64LED3K 135W80LED3K 145W64LED3K 180W80LED3K	T	ACDR Acrylic globe  GL Glass globe	<b>Globe</b> LE2R <sup>7</sup> Type II (ASYM) with globe LE3R <sup>7</sup> Type III (ASYM) with globe LE4R <sup>7</sup> Type IV (ASYM) with globe LE5R <sup>1,7</sup> Type V (SYMM) with globe  <b>Sag lens</b> LE2S Type II (ASYM) Sag glass lens LE3S Type III (ASYM) Sag glass lens LE4S Type IV (ASYM) Sag glass lens LE5S <sup>1</sup> Type V (SYMM) Sag glass lens  <b>Flat lens</b> LE2F Type II (ASYM) Flat glass lens LE3F Type III (ASYM) Flat glass lens LE4F Type IV (ASYM) Flat glass lens LE5F <sup>1</sup> Type V (SYMM) Flat glass lens	120 120V 208 208V 240 240V 277 277V 347 347V 480 480V	AST <sup>3</sup> Pre-set, progressive start-up CLO <sup>3</sup> Pre-set, manage lumen depreciation DALI <sup>3</sup> Pre-set, compatible with the DALI control system OTL <sup>3</sup> Pre-set to signal end of life of the lamp DMG 0-10V CDMGP <sup>3</sup> Dimming level set by user CDMGE25 <sup>3</sup> 8 hrs. 25% reduction CDMGE50 <sup>3</sup> 8 hrs. 50% reduction CDMGE75 <sup>3</sup> 8 hrs. 75% reduction CDMGM25 <sup>3</sup> 6 hrs. 25% reduction CDMGM50 <sup>3</sup> 6 hrs. 50% reduction CDMGM75 <sup>3</sup> 6 hrs. 75% reduction CDMGS25 <sup>3</sup> 4 hrs. 25% reduction CDMGS50 <sup>3</sup> 4 hrs. 50% reduction CDMGS75 <sup>3</sup> 4 hrs. 75% reduction

### 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 <sup>8</sup> 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"	BO <sup>6</sup> Bridge and Overpass DE1 Decorative deflector HS House Side Shield PH7 Photoelectric cell, bottom type PH8 <sup>2,4</sup> Photoelectric cell PH9 <sup>2,4</sup> Shorting cap PHXL <sup>2,4</sup> Photoelectric cell, extended life RC <sup>2,5</sup> Receptacle 3 pins RCD <sup>2,5</sup> Receptacle 5 pins RCD7 <sup>2,5</sup> 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 Hammertone gold WHTX Textured white	

### Footnotes

- Not available with HS option.
- SMA or SMB adaptors is required for this option
- Not available 347-480 volt.
- Luminaire option RC, RCD or RCD7 is required with this Options.
- Use of photoelectric cell or shorting cap is required to ensure proper illumination.
- Not available with GL Glass globe.
- Globe material ACDR or GL is required with this optical system.
- Only 3 pin receptacle RC is available with SMA adaptor.



# RN20-30 Renaissance LED (large)

## 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 with various options to meet a wide range of lighting applications.
3. Polycarbonate 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.

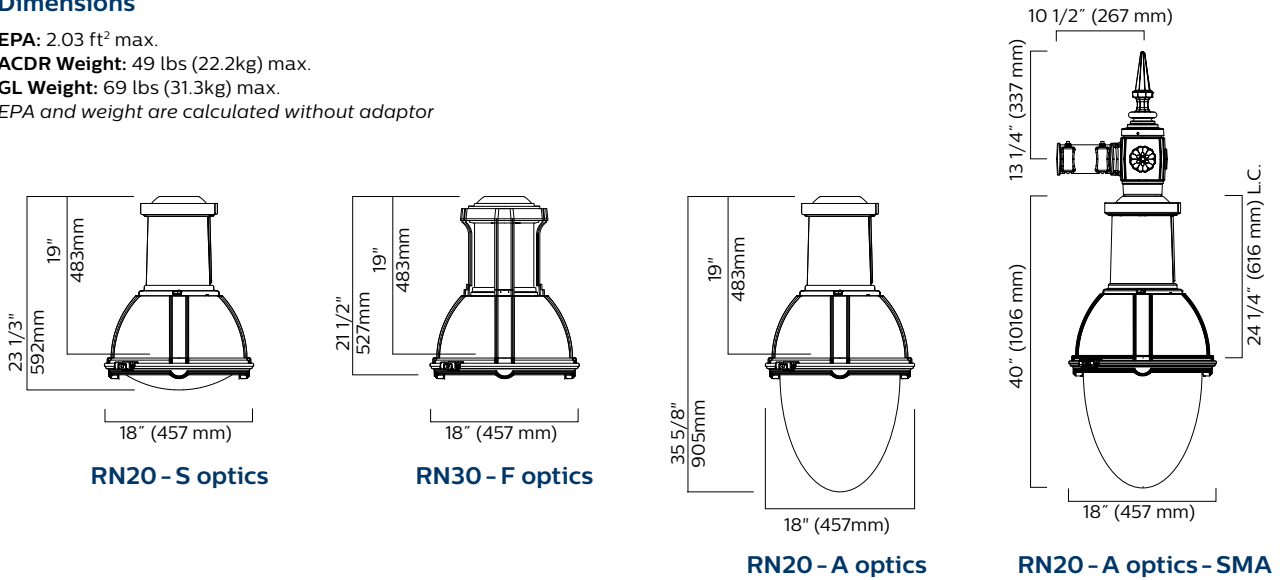
### Dimensions

EPA: 2.03 ft<sup>2</sup> max.

ACDR Weight: 49 lbs (22.2kg) max.

GL Weight: 69 lbs (31.3kg) max.

EPA and weight are calculated without adaptor



### 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<sub>70</sub> is the predicted time when LED performance depreciates to 70% of initial lumen output. Calculated per IESNA TM21-11. Published L<sub>70</sub> hours limited to 6 times actual LED test hours.

Ambient Temperature °C	Driver mA	Calculated L <sub>70</sub> Hours	L <sub>70</sub> 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: 4000K Renaissance luminaire

#### Flat lens

Ordering Code	Total LEDs	LED Current (mA)	Average System Watts <sup>1</sup>	Color Temp.	Type LE2F			Type LE3F			Type LE4F			Type LE5F		
					Delivered Lumens <sup>2</sup>	Efficacy (LPW)	BUG Rating	Delivered Lumens <sup>2</sup>	Efficacy (LPW)	BUG Rating	Delivered Lumens <sup>2</sup>	Efficacy (LPW)	BUG Rating	Delivered Lumens <sup>2</sup>	Efficacy (LPW)	BUG Rating
RNx-35W32LED4K-T	32	350	37	4000K	4,005	108	B1-U0-G1	3,915	106	B1-U0-G1	3,931	106	B1-U0-G1	3,891	105	B3-U0-G1
RNx-55W32LED4K-T	32	530	55	4000K	5,773	105	B1-U0-G1	5,645	103	B1-U0-G1	5,667	103	B1-U0-G2	5,609	102	B3-U0-G1
RNx-72W32LED4K-T	32	700	71	4000K	7,200	101	B2-U0-G1	7,040	99	B1-U0-G2	7,067	100	B1-U0-G2	6,995	99	B3-U0-G2
RNx-55W48LED4K-T	48	350	53	4000K	6,005	113	B1-U0-G1	5,871	111	B1-U0-G1	5,894	111	B1-U0-G2	5,834	110	B3-U0-G1
RNx-80W48LED4K-T	48	530	80	4000K	8,615	108	B2-U0-G2	8,423	105	B2-U0-G2	8,456	106	B1-U0-G2	8,369	105	B3-U0-G2
RNx-108W48LED4K-T	48	700	105	4000K	10,859	103	B2-U0-G2	10,617	101	B2-U0-G2	10,659	102	B2-U0-G2	10,550	100	B4-U0-G2
RNx-70W64LED4K-T	64	350	69	4000K	7,939	115	B2-U0-G1	7,762	112	B1-U0-G2	7,793	113	B1-U0-G2	7,713	112	B3-U0-G2
RNx-110W64LED4K-T	64	530	105	4000K	11,337	108	B2-U0-G2	11,084	106	B2-U0-G2	11,128	106	B2-U0-G2	11,014	105	B4-U0-G2
RNx-145W64LED4K-T	64	700	140	4000K	14,232	102	B3-U0-G2	13,915	99	B2-U0-G2	13,969	100	B2-U0-G2	13,826	99	B4-U0-G2
RNx-90W80LED4K-T	80	350	85	4000K	9,897	116	B2-U0-G2	9,677	114	B2-U0-G2	9,715	114	B2-U0-G2	9,615	113	B4-U0-G2
RNx-135W80LED4K-T	80	530	130	4000K	14,074	108	B3-U0-G2	13,760	106	B2-U0-G2	13,814	106	B2-U0-G2	13,673	105	B4-U0-G2
RNx-180W80LED4K-T	80	700	175	4000K	17,571	100	B3-U0-G2	17,179	98	B3-U0-G2	17,246	99	B2-U0-G3	17,070	98	B4-U0-G2

#### Sag lens

Ordering Code	Total LEDs	LED Current (mA)	Average System Watts <sup>1</sup>	Color Temp.	Type LE2S			Type LE3S			Type LE4S			Type LE5S		
					Delivered Lumens <sup>2</sup>	Efficacy (LPW)	BUG Rating	Delivered Lumens <sup>2</sup>	Efficacy (LPW)	BUG Rating	Delivered Lumens <sup>2</sup>	Efficacy (LPW)	BUG Rating	Delivered Lumens <sup>2</sup>	Efficacy (LPW)	BUG Rating
RNx-35W32LED4K-T	32	350	37	4000K	3,991	108	B1-U0-G1	3,941	107	B1-U0-G1	3,958	107	B1-U0-G1	3,949	107	B3-U0-G1
RNx-55W32LED4K-T	32	530	55	4000K	5,754	105	B1-U0-G1	5,681	103	B1-U0-G1	5,706	104	B1-U0-G2	5,693	104	B3-U0-G1
RNx-72W32LED4K-T	32	700	71	4000K	7,177	101	B2-U0-G1	7,086	100	B1-U0-G2	7,117	100	B1-U0-G2	7,100	100	B3-U0-G2
RNx-55W48LED4K-T	48	350	53	4000K	5,985	113	B1-U0-G1	5,909	111	B1-U0-G2	5,935	112	B1-U0-G2	5,921	112	B3-U0-G2
RNx-80W48LED4K-T	48	530	80	4000K	8,586	107	B2-U0-G2	8,478	106	B1-U0-G2	8,515	106	B1-U0-G2	8,495	106	B4-U0-G2
RNx-108W48LED4K-T	48	700	105	4000K	10,823	103	B2-U0-G2	10,687	102	B2-U0-G2	10,734	102	B2-U0-G2	10,708	102	B4-U0-G2
RNx-70W64LED4K-T	64	350	69	4000K	7,913	115	B2-U0-G2	7,813	113	B1-U0-G2	7,847	114	B1-U0-G2	7,829	113	B3-U0-G2
RNx-110W64LED4K-T	64	530	105	4000K	11,300	108	B2-U0-G2	11,157	106	B2-U0-G2	11,206	107	B2-U0-G2	11,179	106	B4-U0-G2
RNx-145W64LED4K-T	64	700	140	4000K	14,185	101	B3-U0-G2	14,006	100	B2-U0-G2	14,067	100	B2-U0-G3	14,034	100	B4-U0-G2
RNx-90W80LED4K-T	80	350	85	4000K	9,864	116	B2-U0-G2	9,740	115	B2-U0-G2	9,783	115	B2-U0-G2	9,760	115	B4-U0-G2
RNx-135W80LED4K-T	80	530	130	4000K	14,027	108	B3-U0-G2	13,850	107	B2-U0-G2	13,911	107	B2-U0-G3	13,878	107	B4-U0-G2
RNx-180W80LED4K-T	80	700	175	4000K	17,512	100	B3-U0-G2	17,288	99	B2-U0-G3	17,367	99	B2-U0-G3	17,326	99	B5-U0-G3

1. System input wattage may vary based on input voltage, by up to +/- 10%, and based on manufacturer forward voltage, by up to +/- 8%.

2. Lumen values based on photometric tests performed in compliance with IESNA LM-79.

**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: 4000K Renaissance luminaire (continued)

Globe					Type LE2R			Type LE3R			Type LE4R			Type LE5R		
Ordering Code	Total LEDs	LED Current (mA)	Average System Watts <sup>1</sup>	Color Temp.	Delivered Lumens <sup>2</sup>	Efficacy (LPW)	BUG Rating	Delivered Lumens <sup>2</sup>	Efficacy (LPW)	BUG Rating	Delivered Lumens <sup>2</sup>	Efficacy (LPW)	BUG Rating	Delivered Lumens <sup>2</sup>	Efficacy (LPW)	BUG Rating
RNx-35W32LED4K-T	32	350	37	4000K	4,281	116	B1-U3-G1	4,285	116	B1-U3-G1	4,315	117	B1-U3-G1	4,347	117	B3-U3-G1
RNx-55W32LED4K-T	32	530	55	4000K	6,172	112	B1-U3-G1	6,177	112	B1-U3-G2	6,221	113	B1-U3-G2	6,266	114	B3-U3-G2
RNx-72W32LED4K-T	32	700	71	4000K	7,697	108	B2-U3-G2	7,705	109	B2-U3-G2	7,759	109	B1-U3-G2	7,815	110	B3-U3-G2
RNx-55W48LED4K-T	48	350	53	4000K	6,419	121	B1-U3-G1	6,425	121	B1-U3-G2	6,471	122	B1-U3-G2	6,518	123	B3-U3-G2
RNx-80W48LED4K-T	48	530	80	4000K	9,210	115	B2-U3-G2	9,218	115	B2-U3-G2	9,283	116	B2-U3-G2	9,350	117	B4-U3-G2
RNx-108W48LED4K-T	48	700	105	4000K	11,609	111	B2-U3-G2	11,620	111	B2-U3-G2	11,702	111	B2-U3-G2	11,786	112	B4-U3-G2
RNx-70W64LED4K-T	64	350	69	4000K	8,487	123	B2-U3-G2	8,495	123	B2-U3-G2	8,555	124	B2-U3-G2	8,617	125	B4-U3-G2
RNx-110W64LED4K-T	64	530	105	4000K	12,120	115	B2-U3-G2	12,131	116	B2-U3-G2	12,217	116	B2-U3-G2	12,305	117	B4-U3-G2
RNx-145W64LED4K-T	64	700	140	4000K	15,214	109	B3-U3-G3	15,229	109	B3-U3-G3	15,336	110	B2-U3-G3	15,447	110	B4-U3-G2
RNx-90W80LED4K-T	80	350	85	4000K	10,580	124	B2-U3-G2	10,590	125	B2-U3-G2	10,665	125	B2-U3-G2	10,742	126	B4-U3-G2
RNx-135W80LED4K-T	80	530	130	4000K	15,045	116	B3-U3-G3	15,059	116	B3-U3-G3	15,165	117	B2-U3-G3	15,275	118	B4-U3-G2
RNx-180W80LED4K-T	80	700	175	4000K	18,783	107	B3-U3-G3	18,736	107	B3-U3-G3	18,933	108	B3-U3-G3	19,070	109	B5-U3-G3

### LED Wattage and Lumen Values: 3000K Renaissance luminaire

Flat lens					Type LE2F			Type LE3F			Type LE4F			Type LE5F		
Ordering Code	Total LEDs	LED Current (mA)	Average System Watts <sup>1</sup>	Color Temp.	Delivered Lumens <sup>2</sup>	Efficacy (LPW)	BUG Rating	Delivered Lumens <sup>2</sup>	Efficacy (LPW)	BUG Rating	Delivered Lumens <sup>2</sup>	Efficacy (LPW)	BUG Rating	Delivered Lumens <sup>2</sup>	Efficacy (LPW)	BUG Rating
RNx-35W32LED3K-T	32	350	37	3000K	3,591	97	B1-U0-G1	3,510	95	B1-U0-G1	3,528	95	B1-U0-G1	3,492	94	B1-U0-G1
RNx-55W32LED3K-T	32	530	55	3000K	5,176	94	B1-U0-G1	5,061	92	B1-U0-G1	5,086	92	B1-U0-G1	5,034	92	B1-U0-G1
RNx-72W32LED3K-T	32	700	71	3000K	6,456	91	B2-U0-G1	6,312	89	B1-U0-G1	6,344	89	B1-U0-G2	6,279	88	B1-U0-G2
RNx-55W48LED3K-T	48	350	53	3000K	5,384	102	B1-U0-G1	5,264	99	B1-U0-G1	5,290	100	B1-U0-G2	5,236	99	B1-U0-G2
RNx-80W48LED3K-T	48	530	80	3000K	7,724	97	B2-U0-G1	7,552	94	B1-U0-G2	7,590	95	B1-U0-G2	7,513	94	B1-U0-G2
RNx-108W48LED3K-T	48	700	105	3000K	9,736	93	B2-U0-G2	9,519	91	B2-U0-G2	9,567	91	B2-U0-G2	9,470	90	B2-U0-G2
RNx-70W64LED3K-T	64	350	69	3000K	7,118	103	B2-U0-G1	6,959	101	B1-U0-G2	6,995	101	B1-U0-G2	6,923	100	B1-U0-G2
RNx-110W64LED3K-T	64	530	105	3000K	10,165	97	B2-U0-G2	9,938	95	B2-U0-G2	9,988	95	B1-U0-G1	9,886	94	B1-U0-G1
RNx-145W64LED3K-T	64	700	140	3000K	12,760	91	B3-U0-G2	12,476	89	B2-U0-G2	12,539	90	B2-U0-G2	12,411	89	B2-U0-G2
RNx-90W80LED3K-T	80	350	85	3000K	8,874	104	B2-U0-G2	8,676	102	B2-U0-G2	8,720	103	B2-U0-G2	8,631	102	B2-U0-G2
RNx-135W80LED3K-T	80	530	130	3000K	12,618	97	B3-U0-G2	12,337	95	B2-U0-G2	12,399	95	B2-U0-G2	12,273	94	B2-U0-G2
RNx-180W80LED3K-T	80	700	175	3000K	15,753	90	B3-U0-G2	15,402	88	B2-U0-G2	15,480	88	B2-U0-G3	15,322	88	B2-U0-G3

1. System input wattage may vary based on input voltage, by up to +/- 10%, and based on manufacturer forward voltage, by up to +/- 8%.

2. Lumen values based on photometric tests performed in compliance with IESNA LM-79.

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: 3000K Renaissance luminaire (continued)

### Sag lens

Ordering Code	Total LEDs	LED Current (mA)	Average System Watts <sup>1</sup>	Color Temp.	Type LE2S			Type LE3S			Type LE4S			Type LE5S		
					Delivered Lumens <sup>2</sup>	Efficacy (LPW)	BUG Rating	Delivered Lumens <sup>2</sup>	Efficacy (LPW)	BUG Rating	Delivered Lumens <sup>2</sup>	Efficacy (LPW)	BUG Rating	Delivered Lumens <sup>2</sup>	Efficacy (LPW)	BUG Rating
RNx-35W32LED3K-T	32	350	37	3000K	3,579	97	B1-U0-G1	3,534	96	B1-U0-G1	3,555	96	B1-U0-G1	3,547	96	B3-U0-G1
RNx-55W32LED3K-T	32	530	55	3000K	5,159	94	B1-U0-G1	5,094	93	B1-U0-G1	5,125	93	B1-U0-G2	5,113	93	B3-U0-G1
RNx-72W32LED3K-T	32	700	71	3000K	6,435	91	B1-U0-G1	6,353	89	B1-U0-G2	6,391	90	B1-U0-G2	6,377	90	B3-U0-G2
RNx-55W48LED3K-T	48	350	53	3000K	5,366	101	B1-U0-G1	5,298	100	B1-U0-G1	5,330	101	B1-U0-G2	5,318	100	B3-U0-G1
RNx-80W48LED3K-T	48	530	80	3000K	7,699	96	B2-U0-G2	7,602	95	B1-U0-G2	7,647	96	B1-U0-G2	7,630	95	B3-U0-G2
RNx-108W48LED3K-T	48	700	105	3000K	9,705	92	B2-U0-G2	9,582	91	B2-U0-G2	9,639	92	B1-U0-G2	9,617	92	B4-U0-G2
RNx-70W64LED3K-T	64	350	69	3000K	7,095	103	B2-U0-G1	7,005	102	B1-U0-G2	7,047	102	B1-U0-G2	7,031	102	B3-U0-G2
RNx-110W64LED3K-T	64	530	105	3000K	10,131	96	B2-U0-G2	10,003	95	B2-U0-G2	10,063	96	B2-U0-G2	10,040	96	B4-U0-G2
RNx-145W64LED3K-T	64	700	140	3000K	12,719	91	B2-U0-G2	12,558	90	B2-U0-G2	12,633	90	B2-U0-G2	12,604	90	B4-U0-G2
RNx-90W80LED3K-T	80	350	85	3000K	8,845	104	B2-U0-G2	8,733	103	B1-U0-G2	8,785	103	B1-U0-G2	8,765	103	B4-U0-G2
RNx-135W80LED3K-T	80	530	130	3000K	12,577	97	B2-U0-G2	12,418	96	B2-U0-G2	12,492	96	B2-U0-G2	12,464	96	B4-U0-G2
RNx-180W80LED3K-T	80	700	175	3000K	15,702	90	B3-U0-G2	15,504	89	B2-U0-G2	15,596	89	B2-U0-G3	15,561	89	B4-U0-G2

### Globe

Ordering Code	Total LEDs	LED Current (mA)	Average System Watts <sup>1</sup>	Color Temp.	Type LE2R			Type LE3R			Type LE4R			Type LE5R		
					Delivered Lumens <sup>2</sup>	Efficacy (LPW)	BUG Rating	Delivered Lumens <sup>2</sup>	Efficacy (LPW)	BUG Rating	Delivered Lumens <sup>2</sup>	Efficacy (LPW)	BUG Rating	Delivered Lumens <sup>2</sup>	Efficacy (LPW)	BUG Rating
RNx-35W32LED3K-T	32	350	37	3000K	3,837	104	B1-U3-G1	3,841	104	B1-U2-G1	3,868	105	B1-U3-G1	3,896	105	B3-U3-G1
RNx-55W32LED3K-T	32	530	55	3000K	5,532	101	B1-U3-G1	5,537	101	B1-U3-G1	5,576	101	B1-U3-G2	5,616	102	B3-U3-G1
RNx-72W32LED3K-T	32	700	71	3000K	6,899	97	B2-U3-G2	6,906	97	B2-U3-G2	6,954	98	B1-U3-G2	7,005	99	B3-U3-G2
RNx-55W48LED3K-T	48	350	53	3000K	5,754	109	B1-U3-G1	5,759	109	B1-U3-G2	5,800	109	B1-U3-G2	5,842	110	B3-U3-G1
RNx-80W48LED3K-T	48	530	80	3000K	8,254	103	B2-U3-G2	8,262	103	B2-U3-G2	8,320	104	B2-U3-G2	8,381	105	B4-U3-G2
RNx-108W48LED3K-T	48	700	105	3000K	10,405	99	B2-U3-G2	10,415	99	B2-U3-G2	10,488	100	B2-U3-G2	10,564	101	B4-U3-G2
RNx-70W64LED3K-T	64	350	69	3000K	7,607	110	B2-U3-G2	7,614	110	B2-U3-G2	7,668	111	B1-U3-G2	7,723	112	B3-U3-G2
RNx-110W64LED3K-T	64	530	105	3000K	10,863	103	B2-U3-G2	10,873	104	B2-U3-G2	10,950	104	B2-U3-G2	11,029	105	B4-U3-G2
RNx-145W64LED3K-T	64	700	140	3000K	13,636	97	B3-U3-G3	13,649	97	B2-U3-G2	13,746	98	B2-U3-G3	13,845	99	B4-U3-G2
RNx-90W80LED3K-T	80	350	85	3000K	9,483	112	B2-U3-G2	9,492	112	B2-U3-G2	9,559	112	B2-U3-G2	9,628	113	B4-U3-G2
RNx-135W80LED3K-T	80	530	130	3000K	13,485	104	B3-U3-G3	13,497	104	B2-U3-G2	13,593	105	B2-U3-G3	13,691	105	B4-U3-G2
RNx-180W80LED3K-T	80	700	175	3000K	16,835	96	B3-U3-G3	16,851	96	B3-U3-G3	16,970	97	B3-U3-G3	17,093	98	B5-U3-G3

1. System input wattage may vary based on input voltage, by up to +/- 10%, and based on manufacturer forward voltage, by up to +/- 8%.

2. Lumen values based on photometric tests performed in compliance with IESNA LM-79.

**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 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.

**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).

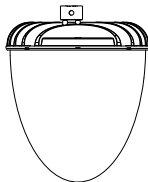
#### LED engine

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

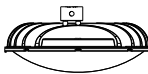
**LE2F/R/S** (type II asymmetrical), **LE3F/R/S** (type III asymmetrical), **LE4F/R/S** (type IV asymmetrical), **LE5F/R/S** (type V symmetrical) light distributions (**F**= flat lens, **R**= globe, **S**= sag lens). Composed of high performance optical grade PMMA acrylic refractor lenses to achieve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



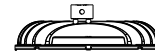
**LE2R** - Type II (ASYM) with globe  
**LE3R** - Type III (ASYM) with globe  
**LE4R** - Type IV (ASYM) with globe  
**LE5R** - Type V (SYMM) with globe

**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).

#### 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.

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

**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.

# RN20-30 Renaissance LED (large)

## Urban Luminaire

### Specifications (continued):

#### Driver options (continued)

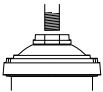
Ordering Code	Scenario	Dimming Time	Dimming Level
CDMGS25	Safety	4 hours	25% power dimming
CDMGS50	Safety	4 hours	50% power dimming
CDMGS75	Safety	4 hours	75% power dimming
CDMGM25	Median	6 hours	25% power dimming
CDMGM50	Median	6 hours	50% power dimming
CDMGM75	Median	6 hours	75% power dimming
CDMGE25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

#### Surge protector

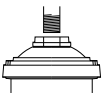
Surge protector tested in accordance with ANSI/IEEE C62.45 per ANSI/IEEE C62.41.2 Scenario I Category C High Exposure 10kV/10kA waveforms for Line Ground, Line Neutral and Neutral Ground, and in accordance with U.S. DOE (Department of Energy) MSSLC (Municipal Solid State Street Lighting Consortium) model specification for LED roadway luminaires electrical immunity requirements for High Test Level 10kV / 10kA. Option for SP2 20kV/20kA.

#### Luminaire adaptor

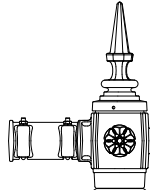
**MA1:** The luminaire is suspended by means of a mounting adaptor with a 1/4" (32mm) NPT threaded hole accepting a threaded tube from the mounting. Retrofit adaptor for existing mounting



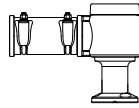
**MA2:** 1/2" (38mm) NPT threaded hole accepting threaded tube from the mounting. Retrofit adaptor for existing mounting.



**SMA:** The luminaire is suspended by means of a decorative side-mounted cast aluminum adaptor. This adaptor accepts tubes from 1 1/8" to 2 3/8" (41 to 60 mm) and is adjustable to more or less 5°. The adaptor features a cast aluminum decorative cover and finial.

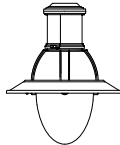


**SMB:** The luminaire is suspended by means of a decorative side-mounted cast aluminum adaptor. This adaptor accepts tubes from 1 1/8" to 2 3/8" (41 to 60 mm) and is adjustable to more or less 5°.



#### 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



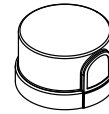
**RCD7:** Receptacle 7 pins



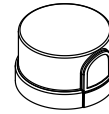
**SP2:** Integral surge protector

#### Luminaire accessories

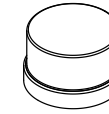
**PH8:** Photoelectric Cell, Twist-lock Type. Allows a 90 degree rotation.



**PHXL:** Extended life photoelectric cell, Twist-lock Type. Allows a 90 degree 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 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 3G 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.

