



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<br>T | Globe material     | Optical system                                                                                                                                                                                            | Voltage                                                              | Driver options                                                                                                                                                                                                                            |
|--------------|-------------|-------------|----------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RN20<br>RN30 | 4000K       | 3000K       | T              | ACDR Acrylic globe | <b>Globe</b><br>LE2R <sup>7</sup> Type II (ASYM) with globe<br>LE3R <sup>7</sup> Type III (ASYM) with globe<br>LE4R <sup>7</sup> Type IV (ASYM) with globe<br>LE5R <sup>17</sup> Type V (SYMM) with globe | 120 120V<br>208 208V<br>240 240V<br>277 277V<br>347 347V<br>480 480V | AST <sup>3</sup> Pre-set, progressive start-up<br>CLO <sup>3</sup> Pre-set, manage lumen depreciation<br>DALI <sup>3</sup> Pre-set, compatible with the DALI control system<br>OTL <sup>3</sup> Pre-set to signal end of life of the lamp |
|              | 35W32LED4K  | 35W32LED3K  |                |                    | <b>Sag lens</b><br>LE2S Type II (ASYM) Sag glass lens                                                                                                                                                     |                                                                      | DMG 0-10V                                                                                                                                                                                                                                 |
|              | 55W32LED4K  | 55W32LED3K  |                |                    | LE3S Type III (ASYM) Sag glass lens                                                                                                                                                                       |                                                                      | CDMGE25 <sup>3</sup> 8 hrs. 25% reduction                                                                                                                                                                                                 |
|              | 55W48LED4K  | 55W48LED3K  |                |                    | LE4S Type IV (ASYM) Sag glass lens                                                                                                                                                                        |                                                                      | CDMGE50 <sup>3</sup> 8 hrs. 50% reduction                                                                                                                                                                                                 |
|              | 70W64LED4K  | 70W64LED3K  |                |                    | LE5S <sup>1</sup> Type V (SYMM) Sag glass lens                                                                                                                                                            |                                                                      | CDMGE75 <sup>3</sup> 8 hrs. 75% reduction                                                                                                                                                                                                 |
|              | 72W32LED4K  | 72W32LED3K  |                |                    | <b>Flat lens</b><br>LE2F Type II (ASYM) Flat glass lens                                                                                                                                                   |                                                                      | CDMGM25 <sup>3</sup> 6 hrs. 25% reduction                                                                                                                                                                                                 |
|              | 80W48LED4K  | 80W48LED3K  |                | GL Glass globe     | LE3F Type III (ASYM) Flat glass lens                                                                                                                                                                      |                                                                      | CDMGM50 <sup>3</sup> 6 hrs. 50% reduction                                                                                                                                                                                                 |
|              | 90W80LED4K  | 90W80LED3K  |                |                    | LE4F Type IV (ASYM) Flat glass lens                                                                                                                                                                       |                                                                      | CDMGM75 <sup>3</sup> 6 hrs. 75% reduction                                                                                                                                                                                                 |
|              | 108W48LED4K | 108W48LED3K |                |                    | LE5F <sup>1</sup> Type V (SYMM) Flat glass lens                                                                                                                                                           |                                                                      | CDMG525 <sup>3</sup> 4 hrs. 25% reduction                                                                                                                                                                                                 |
|              | 110W64LED4K | 110W64LED3K |                |                    |                                                                                                                                                                                                           |                                                                      | CDMG550 <sup>3</sup> 4 hrs. 50% reduction                                                                                                                                                                                                 |
|              | 135W80LED4K | 135W80LED3K |                |                    |                                                                                                                                                                                                           |                                                                      | CDMG575 <sup>3</sup> 4 hrs. 75% reduction                                                                                                                                                                                                 |
|              | 145W64LED4K | 145W64LED3K |                |                    |                                                                                                                                                                                                           |                                                                      | SRD <sup>3</sup> Sensor ready driver, standard configuration                                                                                                                                                                              |
|              | 180W80LED4K | 180W80LED3K |                |                    |                                                                                                                                                                                                           |                                                                      | SRD1 <sup>3</sup> Sensor ready driver, alternate configuration                                                                                                                                                                            |

### Ordering guide (continued)

| Adaptors                                                                                                                                                                                                                                                                                                     | Luminaire options                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  | Poles & Brackets                                                                                       | Finish                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>MA1</b> 1 1/4" NPT threaded hole adaptor<br><b>MA2</b> 1 1/2" NPT threaded hole adaptor<br><b>SMA</b> <sup>8</sup> Decorative retro side-mounted cast-aluminum, accepts tubes from 1 5/8" to 2 3/8"<br><b>SMB</b> Decorative contemporary side-mounted cast-aluminum, accepts tubes from 1 5/8" to 2 3/8" | <b>BO</b> <sup>6</sup> Bridge and Overpass<br><b>DE1</b> Decorative deflector<br><b>HS</b> House Side Shield<br><b>PH7</b> Photoelectric cell, bottom type<br><b>PH8</b> <sup>2,4</sup> Photoelectric cell<br><b>PH9</b> <sup>2,4</sup> Shorting cap<br><b>PHXL</b> <sup>2,4</sup> Photoelectric cell, extended life<br><b>RC</b> <sup>2,5</sup> Receptacle 3 pins<br><b>RCD</b> <sup>2,5</sup> Receptacle 5 pins<br><b>RCD7</b> <sup>2,5</sup> Receptacle 7 pins<br><b>SP2</b> Surge protector |  | Consult signify.com/outdoorluminaires for details and the complete line of Signify poles and brackets. | <b>BE2TX</b> Textured midnight blue<br><b>BE6TX</b> Textured ocean blue<br><b>BE8TX</b> Textured royal blue<br><b>BG2TX</b> Textured Sandstone<br><b>BKTX</b> Textured black<br><b>BRTX</b> Textured bronze<br><b>GN4TX</b> Textured blue green<br><b>GN6TX</b> Textured forest green<br><b>GN8TX</b> Textured Dk forest green<br><b>GNTX</b> Textured green<br><b>GR</b> Gray sandtex<br><b>GY3TX</b> Textured medium grey<br><b>NP</b> Natural aluminum<br><b>RD2TX</b> Textured burgundy<br><b>RD4TX</b> Textured scarlet<br><b>TG</b> Hammertone gold<br><b>WHTX</b> Textured white |

- 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.

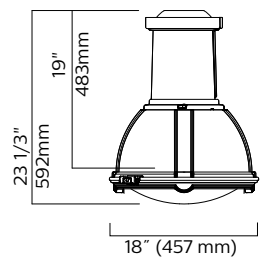
### Dimensions

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

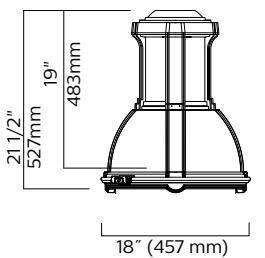
**ACDR Weight:** 49 lbs (22.2kg) max.

**GL Weight:** 69 lbs (31.3kg) max.

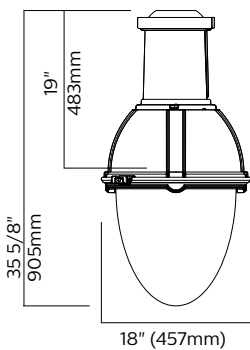
*EPA and weight are calculated without adaptor*



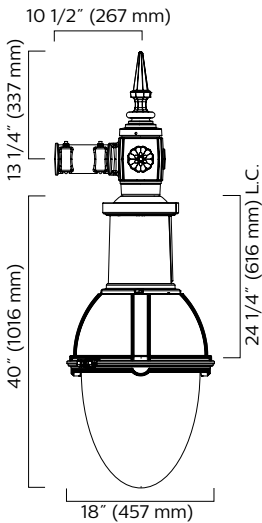
**RN20 - S optics**



**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<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).

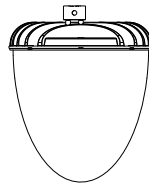
#### LED engine

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

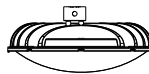
**LE2F/R/S** (type II asymmetrical), **LE3F/R/S** (type III asymmetrical), **LE4F/R/S** (type IV asymmetrical), **LE5F/R/S** (type V symmetrical) light distributions (**F**= flat lens, **R**= globe, **S**= sag lens). Composed of high performance optical grade PMMA acrylic refractor lenses to achieve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



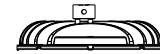
**LE2R** - Type II (ASYM) with globe  
**LE3R** - Type III (ASYM) with globe  
**LE4R** - Type IV (ASYM) with globe  
**LE5R** - Type V (SYMM) with globe

**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).

#### 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

**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.

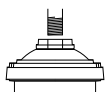
| Order Code | Dimming  |          |       |
|------------|----------|----------|-------|
|            | Scenario | Duration | Level |
| CDMGS25    | Safety   | 4 hours  | 25%   |
| CDMGS50    | Safety   | 4 hours  | 50%   |
| CDMGS75    | Safety   | 4 hours  | 75%   |
| CDMGM25    | Median   | 6 hours  | 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.

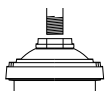
**SRD1:** Sensor Ready Driver including SR communication (used for dimming and other functionalities) but with 24V auxiliary supply and a logical signal input (LSI) not connected to the top NEMA twist lock.

#### Luminaire adaptor

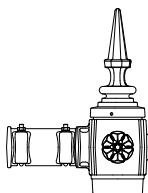
**MA1:** The luminaire is suspended by means of a mounting adaptor with a 1¼" (32mm) NPT threaded hole accepting a threaded tube from the mounting. Retrofit adaptor for existing mounting



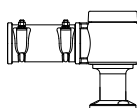
**MA2:** 1½" (38mm) NPT threaded hole accepting threaded tube from the mounting. Retrofit adaptor for existing mounting.



**SMA:** The luminaire is suspended by means of a decorative side-mounted cast aluminum adaptor. This adaptor accepts tubes from 1⅝" to 2⅝" (41 to 60mm) and is adjustable to more or less 5°. The adaptor features a cast aluminum decorative cover and finial.

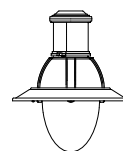


**SMB:** The luminaire is suspended by means of a decorative side-mounted cast aluminum adaptor. This adaptor accepts tubes from 1⅝" to 2⅝" (41 to 60mm) and is adjustable to more or less 5°.



#### 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



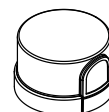
**RCD7:** Receptacle 7 pins



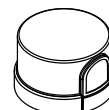
**SP2:** Integral surge protector

#### Luminaire accessories

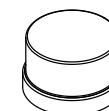
**PH8:** Photoelectric Cell, Twist-lock Type. Allows a 90° rotation.



**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 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.

