# BEACON
design . performance . technology

# SRT2 EDGE-LIT
## CEILING/SURFACE/GARAGE

**DRIVE** EDGE-LIT

## FEATURES

- Edge-lit optical assembly delivers exceptional uniformity over the entire lens with indirect illumination that reduces glare and improves visual comfort

- Low profile housing intended for 8' - 20' mounting heights for surface, trunnion/yoke or pendant mounting

- Applications include parking garage, walkway or building canopies, corridors, tunnels, large stairwells and other interior applications

- Multiple optical distributions are available making the Beacon Edge-Lit luminaire both versatile and functional

- UL/cUL listed for wet locations, IP65

CSA C US    DLC LISTED    IP65

## CONTROL TECHNOLOGY

NX CONNECT   NX WIRED   NX WIRELESS   **LIGHTGRID+**

18.5"

4.0"

## SPECIFICATIONS

### HOUSING
- Die-cast aluminum housing ensures long electrical component life and luminaire performance

- Corrosion resistant powder coat finish both protects and provides architectural appearance

- One piece molded silicone gasket ensures weather proof seal

- Thermally isolated driver mounted to dedicated bracket reduces operating temperatures and increases driver life and reliability

- Torx head screws standard for tamper resistant housing

### OPTICS
- Edge-lit acrylic light guide provides blended non-pixelated light for unprecedented visual comfort

- Choice of multiple light outputs with lumen range of 4,000–16,000

- Five distribution types: Type V Square, Type V Rectangular, Type V Concentrated, Type V Wide or Asymmetric (Type 3/4)

- Wide variety of CCT's and CRI's offered: 3000K (70CRI), 3000K (80CRI), 3500K (80CRI), 4000K (70CRI), 4000K (80CRI) or 5000K (70 CRI) CCT

### ELECTRICAL
- 120V–277V 50/60Hz with 347V and 480V available

- 0-10V dimming drivers are RoHS compliant and IP66

- Surge protection – Standard 6kA with optional 20kA end of life LED indicator

### ELECTRICAL (CONTINUED)
- Dimming Drivers are standard and dimming leads are extended out of the luminaire unless control options require connection to the dimming leads. Must specify if wiring leads are to be greater than the 24" standard

### INSTALLATION
- Standard quick mount plate over standard 4" square junction box or octagonal box and allows for simplified fixture installation.

- Standard luminaire accepts a rigid or free-swinging 3/4" NPT stem for pendant mount via wet location j-box (by others)

- Optional bird deterrent shroud available for field installation

- Optional trunnion/yoke mount available for field installation

### OPTIONS/CONTROLS
- Standalone occupancy sensor available for on/off or dimming operation

- NX Lighting Controls available with in fixture Zigbee wireless control module, features dimming and occupancy sensor

- LightGRID+ available with in fixture wireless control module, features dimming and occupancy sensor

- UL924 device available for standalone and wireless control override during power interruptions

- Uplight option provides approximately 800 lumens and consumes only 8 additional watts
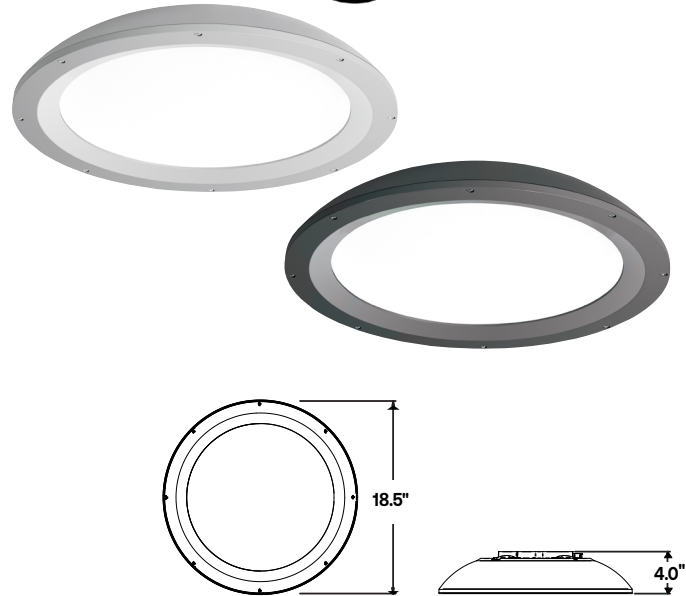
| | Weight |
|---|---|
| SRT2 | 15 lbs / 6.8 kg |

### OPTIONS/CONTROLS (CONTINUED)
- Integral battery backup option available with and without heater. Rated for 0°C (without heater) and -30°C (with heater) and uses 13 Watts of power

- Emergency lighting relay available for generator or central inverter supplied lighting

- Vandal resistant wire guard available as an option for factory installation or as an accessory for field installation

### OPTIONS/CONTROLS (CONTINUED)
Please consult brand or sales representative when combining control and electrical options as some combinations may not operate as anticipated depending on your application

### CERTIFICATIONS
- Listed to UL1598 for use in wet location, listed for -40°C to 40°C applications

- Meets IDA recommendations using 3000K and warmer configurations at 0 degrees tilt

- IP65

- DLC® (DesignLights Consortium Qualified). Not all product variations on this page are DLC Qualified. Refer to www.designlights.org for the most up-to-date list.

- Emergency battery backup options are California Energy Commission (CEC) Title 20 Compliant

### WARRANTY
- 5 year warranty

## Current

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# SRT2 EDGE-LIT
CEILING/SURFACE/GARAGE

| DATE: | LOCATION: |
|---|---|
| TYPE: | PROJECT: |
| CATALOG #: | |

## ORDERING GUIDE

**Example:** SRT2-30-3K7-5QW-UNV-BLT-WG

**CATALOG #** [_____]

| Series | | Engine | | CCT | | Distribution | | Voltage | | Color/Finish | | Options | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SRT2 | Edge-Lit Parking Garage Size 2 | 30 | 30W Nominal 3800 lm | 3K7 | 3000K, 70 CRI | 5QW | Type Square Wide [10] | UNV | 120V-277V | BLT | Black Matte Textured | WG | Wire Guard |
| | | 50 | 50W Nominal 5700 lm | 3K8 | 3000K, 80 CRI | 5RW | Type 5 Rect. Wide [10] | 120 | 120V | BLS | Black Gloss Smooth | UD | Uplight Module [7] |
| | | 65 | 65W Nominal 7000 lm | 35K8 | 3500K, 80 CRI | 5C | Type 5 Concentrated | 208 | 208V | DBT | Dark Bronze Matte Textured | F | Single Fuse (120, 277, 347V) |
| | | 85 | 85W Nominal 9500 lm | 4K7 | 4000K, 70 CRI | 5W | Type 5 Wide [4] | 240 | 240V | DBS | Dark Bronze Gloss Smooth | F | Double Fuse (208, 240, 480V) |
| | | 100 | 100W Nominal 11000 lm | 4K8 | 4000K, 80 CRI | ASY | Asymmetric (Type 4) [10] | 277 | 277V | GTT | Graphite Matte Textured | E | EM Battery Pack (0°C) [2] |
| | | 120 | 120W Nominal 13000 lm | 5K7 | 5000K, 70 CRI | | | 347 | 347V | LGS | Light Grey Gloss Smooth | EH | EM Battery w/Heater (-30°C) [2] |
| | | 140 | 140W Nominal 14700 lm | | | | | 480 | 480V | PSS | Platinum Silver Smooth | DTS | Dimming Transfer Switch [1] |
| | | | | | | | | | | WHT | White Matte Textured | LD3 | 36" Lead Length [5] |
| | | | | | | | | | | WHS | White Gloss Smooth | LD6 | 72" Lead Length [5] |
| | | | | | | | | | | VGT | Verde Green Textured | LD9 | 108" Lead Length [5] |
| | | | | | | | | | | **Color Option** | | SP20K | 20kA Surge Protection with End of Life Indicator [3] |
| | | | | | | | | | | CC | Custom Color | LMB | Less Mounting Bracket |

## Control Options

### NX Networked – Wireless

| NXW [3,10] | NX Networked Wireless Radio Module NXRM2 and Bluetooth Programming, without Sensor |
|---|---|
| NXWS12F | NX Networked Wireless Enabled Integral NXSMP2-OMNI PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming [3] |

### LightGRID+ – Wireless

| WIR | Wireless Controls, LightGRID+ |
|---|---|
| WIRSC | LightGRID+ and occupancy sensor |

### Sensor Controls

| SCP-8F | Remote control programmable line voltage sensor (8-12' recommended MH) [2, 3] |
|---|---|
| SCP-20F | Remote control programmable line voltage sensor (12-20' recommended MH) [2] |
| BTSO12F | Bluetooth Programmable, BTSMP-OMNI-O PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens [11] |

## Accessories (Order Separately)

| | | |
|---|---|---|
| ☐ | SRT2-WG | Wire Guard for SRT2 version |
| ☐ | SRT-MB | Mounting bracket for pre-installation |
| ☐ | SRT2-BS-XXX | Bird deterrent shroud for SRT2 version, not available with uplight or trunnion mount |
| ☐ | SRT2-TM | Trunnion/Yoke accessory for SRT2 version |
| ☐ | CLEDSJK | Whiteway stem and junction box |

Notes:

1. For applications that must comply with UL924. Can not be combined with E or EH options
2. Available for 120 to 277 volts only, not 347 or 480
3. Not available with uplight (UD)
4. 100, 120 and 140W light engines only
5. Not available with E, EH or DTS options, standard wire length 24"
6. 65W and 85W only
7. Uplight Module (UD) will not be controlled by sensors
8. Consult Brand for 480 Volt
9. Not available in 30W and 50W
10. Up to 85W configurations only.
11. Available for 65W and higher

# Current

**currentlighting.com/beacon**

BEA_SRT2_Edgelit_R06

# SRT2 EDGE-LIT
## CEILING/SURFACE/GARAGE

## CONTROLS FUNCTIONALITY

### OUTDOOR LIGHTING CONTROLS OPTIONS

**LIGHTGRID+**  NX LIGHTING CONTROLS MOBILE APP

| Control Option Ordering Logic & Description | | Control Option Functionality | | | | | | | | | Control Option Components | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Networkable | Grouping | Scheduling | Occupancy/ Motion | Daylight Harvesting | 0-10V Dimming | On/Off Control | Bluetooth App Programming | Sensor Height | | |
| NX Wireless | NXW — NX Networked Wireless Radio Module NXRM2 and Bluetooth Programming, without Sensor | ✓ | ✓ | ✓ | – | – | ✓ | ✓ | ✓ | – | | NXRM2-H |
| NX Wireless | NXWS12F — NX Networked Wireless Enabled Integral NXSMP2-OMNI-O PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 12ft | | NXSMP2-OMNI-O |
| LightGRID+ | WIR — LightGRID+ In-Fixture Module | ✓ | – | ✓ | – | – | ✓ | ✓ | Gateway | – | | WIR |
| LightGRID+ | WIRSC — LightGRID+ Module and Occupancy Sensor | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | Gateway | 12ft | | BTMSP |
| Independent | BTSO-12F — Bluetooth® Programmable, BTSMP-OMNI-O PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens | – | – | – | ✓ | ✓ | ✓ | ✓ | ✓ | 12ft | | BTSMP-OMNI-O |

### DEFAULT SETTINGS

| | |
|---|---|
| Occupancy Sensor | Enabled |
| Occupancy Sensor Sensitivity | 7 |
| Occupancy Sensor Timeout | 15 Minutes |
| Occupied Dim Level | 100% |
| Unoccupied Dim Level | 0% |
| Daylight Sensor | Disabled |
| Bluetooth | Enabled |
| 2.4GHz Wireless Mesh | Off |
| "Passcode Factory Passcode: HubbN3T!" | Enabled |

### BTSO

| | |
|---|---|
| Occupancy Sensor | Enabled |
| Occupancy Sensor Sensitivity | 7 |
| Occupancy Sensor Timeout | 8 Minutes |
| Occupied Dim Level | 100% |
| Unoccupied Dim Level | 0% |
| Daylight Sensor | Disabled |

### NX WIRELESS COVERAGE PATTERNS

NXSMP2-OMNI



12' (3.7m)
22' (6.7m)

- Minor Motion
- Major Motion
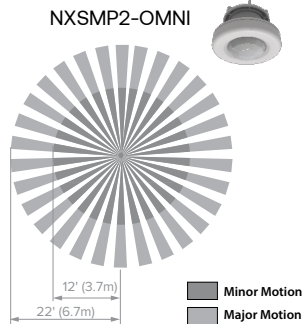
### NX LIGHTING CONTROLS FREE APP

The NX Lighting Controls App is free to use mobile application for programming both NX Lighting Controls System or Standalone Bluetooth Sensors. The mobile app allows you to configure devices, discover and setup wireless enable luminaires and program NX system settings.

Apple App: https://apps.apple.com/us/app/nx-lighting-controls/id962112904

Google Play: https://play.google.com/store/apps/details?id=io.cordova.NXBTR&hl=en_US&gl=US

### CONTROLS TECH SUPPORT 800-888-8006 (7:00 AM - 7:00 PM)

Apple App       Google Play

# SRT2 EDGE-LIT
CEILING/SURFACE/GARAGE

## CONTROLS FUNCTIONALITY (CONT'D)

### OUTDOOR LIGHTING CONTROLS OPTIONS

| Control Option Ordering Logic & Description | | Control Option Functionality | | | | | | | | | Control Option Components |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Networkable | Grouping | Scheduling | Occupancy/ Motion | Daylight Harvesting | 0-10V Dimming | On/Off Control | Bluetooth App Programming | Sensor Height | |
| Independent | SCP_F — Sensor Control Programmable, sensor range, reference product specification for height selections | – | – | – | √ | √ | √ | √ | – | 8ft or 20ft | SCP_F |

## COVERAGE PATTERNS FOR SCP_F



Coverage Top View @ 12ft.



Coverage Top View @ 20 ft.

Coverage Side View



Coverage Side View

Coverage Side View

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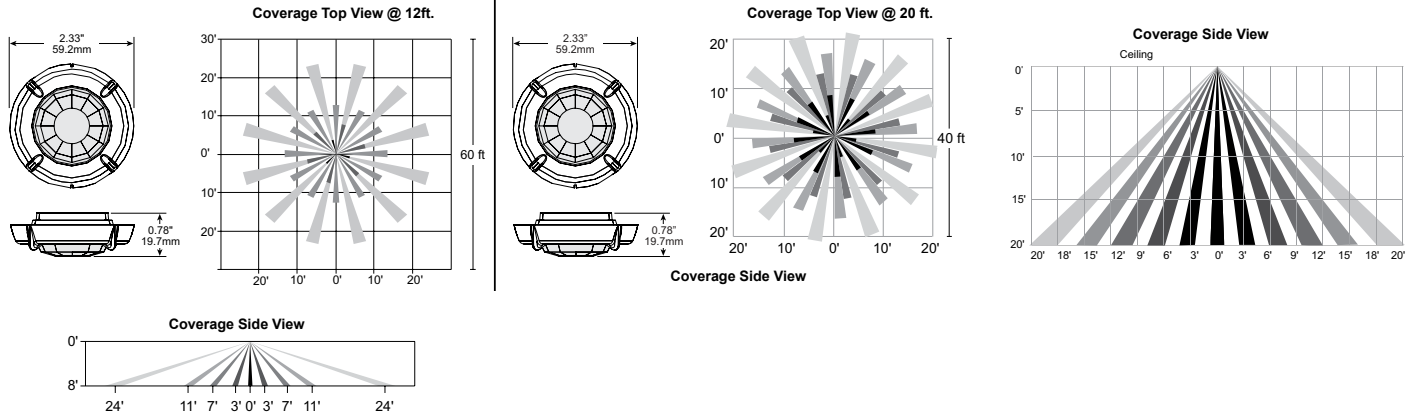
# SRT2 EDGE-LIT
## CEILING/SURFACE/GARAGE

DATE:    LOCATION:

TYPE:    PROJECT:

CATALOG #:

## PERFORMANCE DATA

| # of LEDs | Engine | DRIVE CURRENT (mA) | SYSTEM WATTS | DISTRIBUTION TYPE | 5K (5000K nominal, 70 CRI) LUMENS | LPW* | B | U | G | 4K (4000K nominal, 70 CRI) LUMENS | LPW* | B | U | G | 3K (3000K nominal, 70 CRI) LUMENS | LPW* | B | U | G |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 280 | 30 | 35mA | 31.0 | 5C | 3789 | 122.23 | 2 | 0 | 2 | 3771 | 121.65 | 2 | 0 | 2 | 3626 | 116.97 | 2 | 0 | 2 |
| | | | | 5QW | 3686 | 118.89 | 2 | 0 | 1 | 3668 | 118.33 | 2 | 0 | 1 | 3527 | 113.77 | 2 | 0 | 1 |
| | | | | ASY | 2991 | 96.48 | 1 | 0 | 2 | 2976 | 96.02 | 1 | 0 | 2 | 2862 | 92.32 | 1 | 0 | 2 |
| | | | | 5RW | 3604 | 116.26 | 2 | 0 | 2 | 3587 | 115.71 | 2 | 0 | 2 | 3449 | 111.26 | 2 | 0 | 2 |
| | 50 | 55mA | 48.1 | 5C | 5684 | 118.17 | 2 | 0 | 2 | 5657 | 117.60 | 2 | 0 | 2 | 5439 | 113.08 | 2 | 0 | 2 |
| | | | | 5QW | 5529 | 114.94 | 2 | 0 | 1 | 5502 | 114.39 | 2 | 0 | 1 | 5291 | 109.99 | 2 | 0 | 1 |
| | | | | ASY | 4486 | 93.27 | 1 | 0 | 2 | 4465 | 92.82 | 1 | 0 | 2 | 4293 | 89.25 | 1 | 0 | 2 |
| | | | | 5RW | 5406 | 112.40 | 2 | 0 | 2 | 5380 | 111.86 | 2 | 0 | 2 | 5174 | 107.56 | 2 | 0 | 2 |
| | 65 | 75mA | 65.1 | 5C | 7105 | 109.14 | 2 | 0 | 2 | 7071 | 108.61 | 2 | 0 | 2 | 6799 | 104.44 | 2 | 0 | 2 |
| | | | | 5QW | 6911 | 106.16 | 2 | 0 | 1 | 6878 | 105.65 | 2 | 0 | 1 | 6613 | 101.58 | 2 | 0 | 1 |
| | | | | ASY | 5608 | 86.14 | 1 | 0 | 2 | 5581 | 85.73 | 1 | 0 | 2 | 5366 | 82.43 | 1 | 0 | 2 |
| | | | | 5RW | 6758 | 103.81 | 2 | 0 | 2 | 6726 | 103.31 | 2 | 0 | 2 | 6467 | 99.34 | 2 | 0 | 2 |
| | 85 | 100mA | 87.2 | 5C | 9473 | 108.63 | 2 | 0 | 2 | 9428 | 108.11 | 2 | 0 | 2 | 9065 | 103.96 | 2 | 0 | 2 |
| | | | | 5QW | 9214 | 105.67 | 2 | 0 | 1 | 9170 | 105.16 | 2 | 0 | 1 | 8818 | 101.12 | 2 | 0 | 1 |
| | | | | ASY | 7477 | 85.75 | 1 | 0 | 2 | 7441 | 85.33 | 1 | 0 | 2 | 7155 | 82.05 | 1 | 0 | 2 |
| | | | | 5RW | 9011 | 103.33 | 2 | 0 | 2 | 8967 | 102.84 | 2 | 0 | 2 | 8623 | 98.88 | 2 | 0 | 2 |
| 560 | 100 | 55mA | 93.2 | 5C | 11090 | 118.99 | 4 | 0 | 3 | 11037 | 118.42 | 4 | 0 | 3 | 10612 | 113.86 | 4 | 0 | 3 |
| | | | | 5W | 10788 | 115.75 | 4 | 0 | 3 | 10736 | 115.19 | 4 | 0 | 3 | 10323 | 110.76 | 4 | 0 | 3 |
| | 120 | 65mA | 110.9 | 5C | 13012 | 117.33 | 4 | 0 | 3 | 12950 | 116.77 | 4 | 0 | 3 | 12451 | 112.28 | 4 | 0 | 3 |
| | | | | 5W | 12657 | 114.13 | 4 | 0 | 3 | 12597 | 113.59 | 4 | 0 | 3 | 12112 | 109.22 | 4 | 0 | 3 |
| | 140 | 75mA | 128.5 | 5C | 14786 | 115.07 | 4 | 0 | 3 | 14715 | 114.52 | 4 | 0 | 3 | 14149 | 110.11 | 4 | 0 | 3 |
| | | | | 5W | 14383 | 111.93 | 4 | 0 | 3 | 14315 | 111.40 | 4 | 0 | 3 | 13764 | 107.11 | 4 | 0 | 3 |

Notes:

\* Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown. Actual performance may differ as a result of end-user environment, application and inherent performance tolerances of the electrical components.

## ELECTRICAL DATA

| # OF LEDS | INPUT VOLTAGE (V) | CURRENT (Amps) | SYSTEM POWER (w) |
|---|---|---|---|
| 30 | 120 | 0.26 | 31 |
| | 208 | 0.15 | |
| | 240 | 0.13 | |
| | 277 | 0.11 | |
| | 347 | 0.09 | |
| | 480 | 0.06 | |
| 50 | 120 | 0.40 | 48.1 |
| | 208 | 0.23 | |
| | 240 | 0.20 | |
| | 277 | 0.17 | |
| | 347 | 0.14 | |
| | 480 | 0.10 | |
| 65 | 120 | 0.40 | 65.1 |
| | 208 | 0.23 | |
| | 240 | 0.20 | |
| | 277 | 0.17 | |
| | 347 | 0.14 | |
| | 480 | 0.10 | |
| 85 | 120 | 0.73 | 87.2 |
| | 208 | 0.42 | |
| | 240 | 0.36 | |
| | 277 | 0.31 | |
| | 347 | 0.25 | |
| | 480 | 0.18 | |
| 100 | 120 | 0.78 | 93.2 |
| | 208 | 0.45 | |
| | 240 | 0.39 | |
| | 277 | 0.34 | |
| | 347 | 0.27 | |
| | 480 | 0.19 | |
| 120 | 120 | 0.92 | 110.9 |
| | 208 | 0.53 | |
| | 240 | 0.46 | |
| | 277 | 0.40 | |
| | 347 | 0.32 | |
| | 480 | 0.23 | |
| 140 | 120 | 1.07 | 128.5 |
| | 208 | 0.62 | |
| | 240 | 0.54 | |
| | 277 | 0.46 | |
| | 347 | 0.37 | |
| | 480 | 0.27 | |

## PROJECTED LUMEN MAINTENANCE

| AMBIENT TEMP. | 0 | 25,000 | TM-21-11 36,000 | 50,000 | 100,000 | Reported L70 (HOURS) | Calculated L70 (HOURS) |
|---|---|---|---|---|---|---|---|
| 25°C / 77°C | 1.00 | 0.97 | 0.95 | 0.94 | 0.89 | >60,000 | >266,000 |
| 40°C / 104°C | 0.99 | 0.96 | 0.94 | 0.93 | 0.85 | >60,000 | >211,000 |

## LUMINAIRE AMBIENT TEMPERATURE FACTOR (LATF)

| AMBIENT TEMPERATURE | | LUMEN MULTIPLIER |
|---|---|---|
| 0°C | 32°F | 1.03 |
| 10°C | 50°F | 1.01 |
| 20°C | 68°F | 1.00 |
| 25°C | 77°F | 1.00 |
| 30°C | 86°F | 0.99 |
| 40°C | 104°F | 0.98 |

Use these factors to determine relative lumen output for average ambient temperatures from 0–25°C (32-122°F)

## SRT LUMEN MULTIPLIER CHART

| SRT Lumen Multiplier | | |
|---|---|---|
| CCT | 70 CRI | 80 CRI |
| 3000K | 0.957 | 0.85 |
| 3500K | X | 0.91 |
| 4000K | 0.995 | 0.95 |
| 5000K | 1 | 0.95 |

# Current

currentlighting.com/beacon

BEA_SRT2_Edgelit_R06

# SRT2 EDGE-LIT
## CEILING/SURFACE/GARAGE

## DIMENSIONS
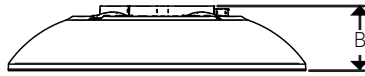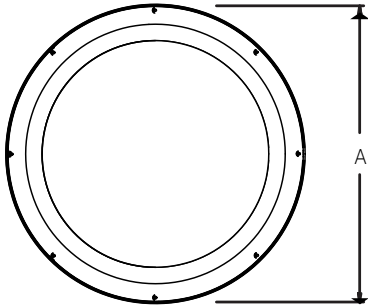
SRT2



SRT2 with NX Lighting Controls

| A | B | C | Weight |
|---|---|---|---|
| 18.5" (469mm) | 4.0" (1mm) | 5.2" (132mm) | 15bs (6.8kg) |

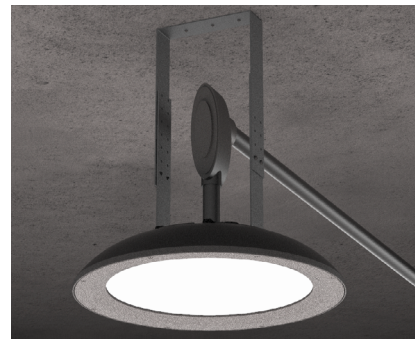## ADDITIONAL INFORMATION

### MOUNTING
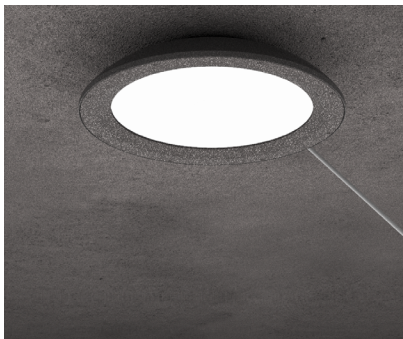


**Surface Mount**

Mounting plate with "quick mount" hanger for one person simple installation.
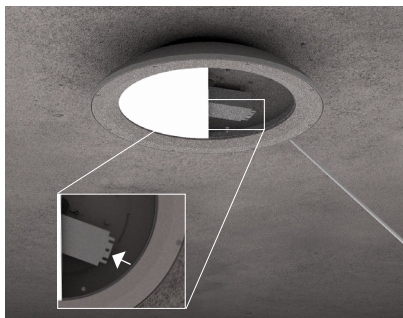(conduit not included)



**Pendant Mount**

Standard 3/4" threaded entry for pendant applications. (Conduit and pendant not included).
Pendant available as an accessory.



**Trunnion/Yoke Mount**

Multiple position trunnion mount adjusts 9" up and down for positioning in 1" increments.
(conduit not included)

### ACCESSORIES AND SERVICES



**Battery Backup**

Integral battery backup option available on SRT2 version.
(conduit not included)
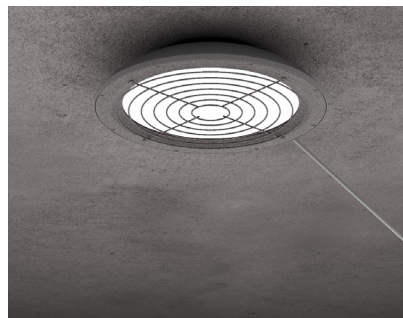


**Wire Guard**

An optional wire guard can be specified at the factory or as an accessory for field installation.
(conduit not included)



**Bird Deterrent**

An optional bird shroud deterrent can be specified at the factory or as an accessory for field installation.
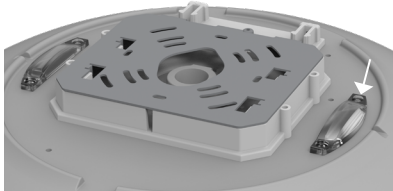(conduit not included)

# SRT2 EDGE-LIT
## CEILING/SURFACE/GARAGE

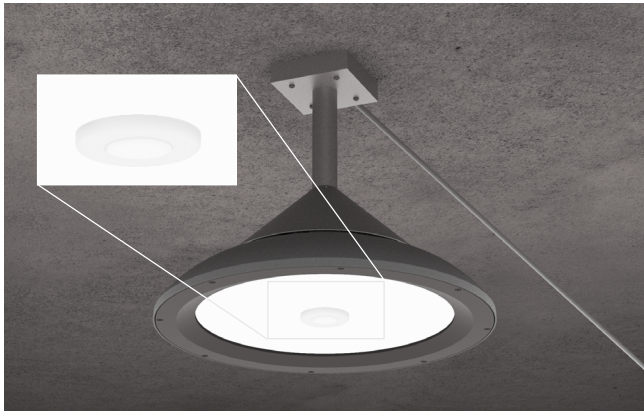## ADDITIONAL INFORMATION CONTINUED

### UPLIGHT

Optional uplight module provides 800 lumens of indirect illumination for improved visual quality while eliminating cave effect.
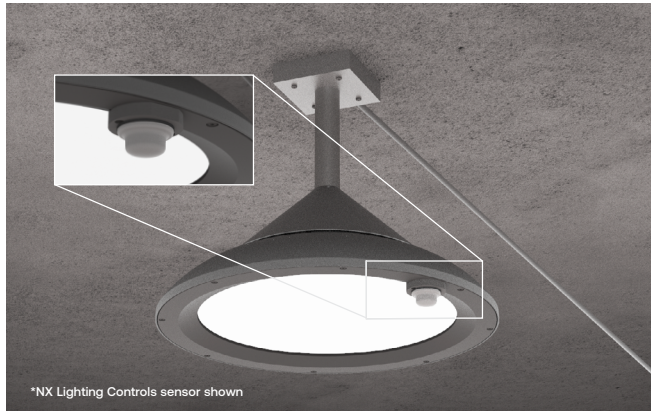
CLEDSJK - Whiteway 6 inch stem and junction box
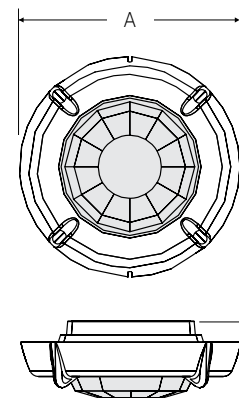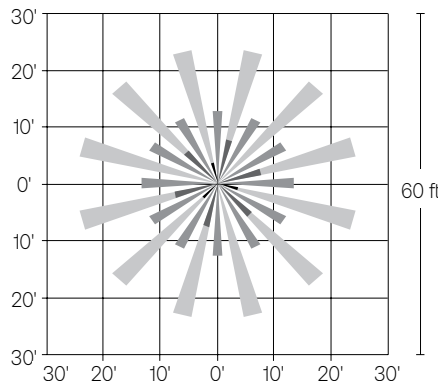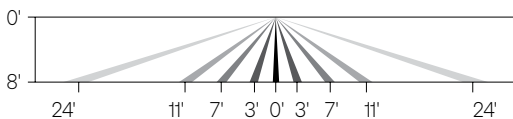
### CONTROLS

Standalone Controls

Optional passive infrared sensors are available for basic occupancy and daylight sensing. Programmable via remote or Bluetooth® phone app. (conduit not included)

Wireless Controls

*NX Lighting Controls sensor shown

Optional NX Lighting Controls and LightGRID+ wireless controls are available for SRT2 versions (with or without occupancy sensing). (conduit not included)

### SCP-8F

0'
8'
24'    11'   7'   3'   0'   3'   7'   11'    24'

30'
20'
10'
0'
10'
20'
30'
30'   20'   10'   0'   10'   20'   30'

60 ft

A

| A | B |
|---|---|
| 2.3" (59mm) | .8" (20mm) |

| DATE: | LOCATION: |
| TYPE: | PROJECT: |
| CATALOG #: | |

## ADDITIONAL INFORMATION CONTINUED

### CONTROLS (CONT'D)

#### SCP-20F



| A | B |
|---|---|
| 2.3" (59mm) | .8" (20mm) |

#### NXWS12F AND BTSO12F



2.6"

0.6"

■ **Minor Motion**
■ **Major Motion**

**NXSMP2-OMNI** Range