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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

BUY AMERICAN SOLUTIONS — See Certification Specifications

C CSA US

DLC LISTED

CONTROL TECHNOLOGY

NX LIGHTING CONTROLS   wiSCAPE

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

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 10kA with optional 20kA end of life LED indicator

- 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

- wiSCAPE® 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

- 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

- IDA approved with zero uplight for 3000K and warmer CCTs

- IP65

- This product qualifies as a "designated country construction material" per FAR 52.225-11 Buy American-Construction Materials under Trade Agreements effective 04/23/2020.

- 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.

WARRANTY
- 5 year warranty

KEY DATA	
Lumen Range	2800 to 14,700
Wattage Range	30–140
Efficacy Range (LPW)	110–135
Weight lbs. (kg)	15 (5.8)

Current

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SRT2 EDGE-LIT
CEILING/SURFACE/GARAGE

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]

wiSCAPE® – Wireless

WIR   Wireless Controls, wiSCAPE®

WIRSC   wiSCAPE® + occupancy sensor

Sensor Controls

SCP-8F   Remote control programmable line voltage sensor (8-12' recommended MH)[2]

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

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

3   Not available with uplight (UD)

4   100, 120 and 140W light engines only

5   Standard wire lead 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.

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PERFORMANCE DATA

# of LEDs	Engine	DRIVE CURRENT (mA)	SYSTEM WATTS	DISTRIBUTION TYPE	5K (5000K nominal, 70 CRI)					4K (4000K nominal, 70 CRI)					3K (3000K nominal, 70 CRI)				
					LUMENS	LPW*	B	U	G	LUMENS	LPW*	B	U	G	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)
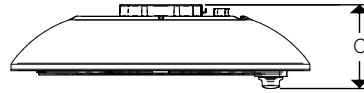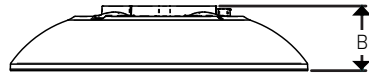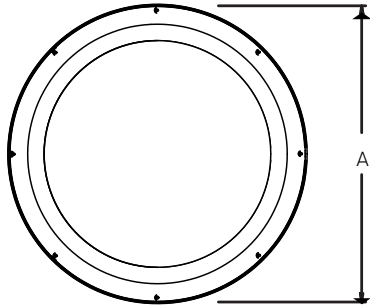
SRT LUMEN MULTIPLIER CHART

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

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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
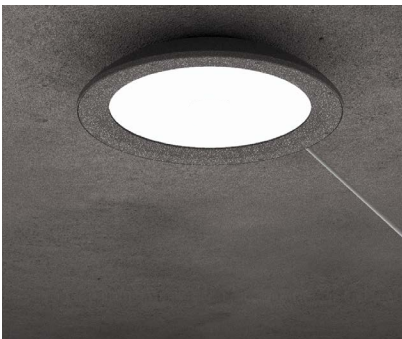
Surface Mount

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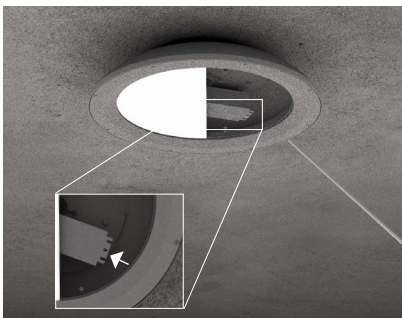(conduit not included)

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)
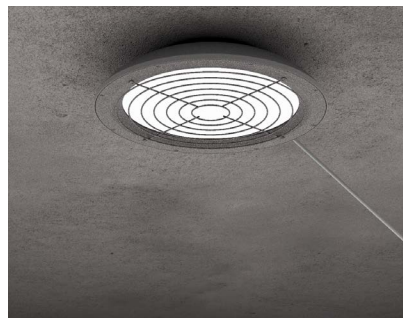
Wire Guard

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)

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ADDITIONAL INFORMATION CONTINUED

UPLIGHT

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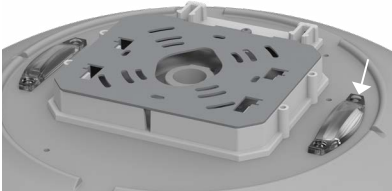
CLEDSJK - Whiteway stem and junction box
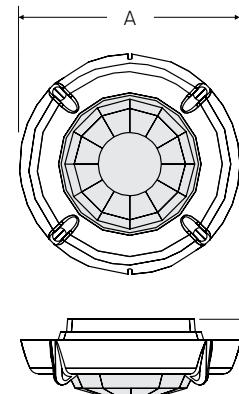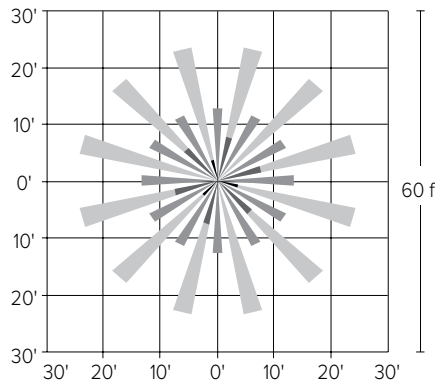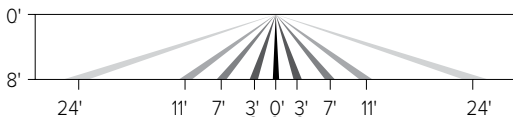
CONTROLS

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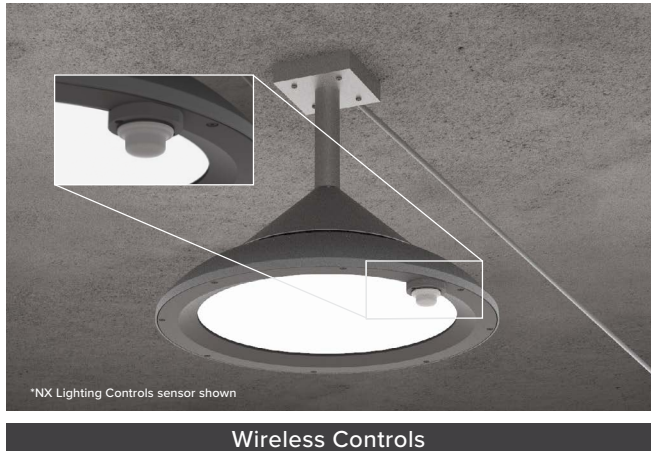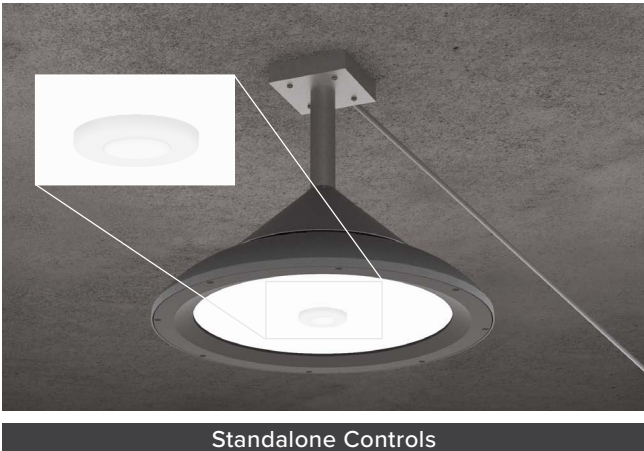
Optional passive infrared sensors are available for basic occupancy and daylight sensing. Programmable via remote or Bluetooth® phone app. (conduit not included)

*NX Lighting Controls sensor shown

Wireless Controls

wiSCAPE™
WIRELESS OUTDOOR LIGHTING SYSTEM

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

SCP-8F

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

ADDITIONAL INFORMATION CONTINUED

CONTROLS (CONT'D)

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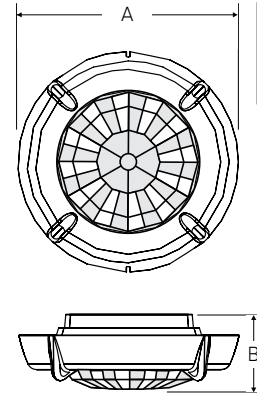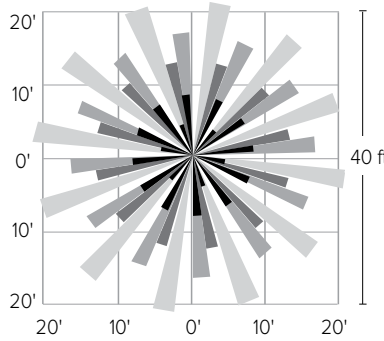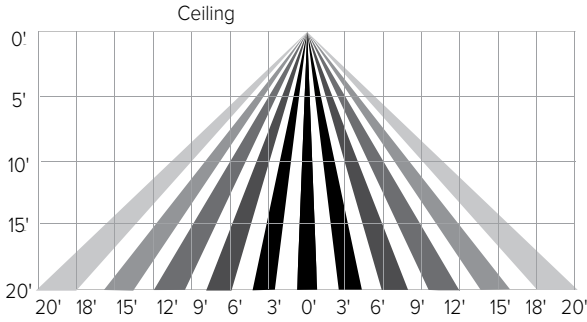
	A	B
	2.3" (59mm)	.8" (20mm)

NXWS12F AND BTSO12F

2.6"

12'

22'
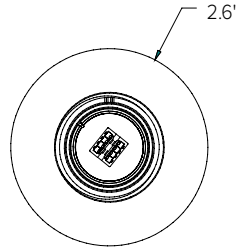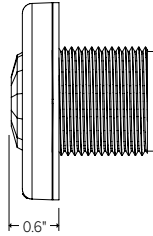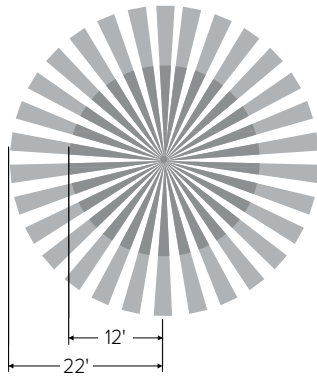
■ Minor Motion
■ Major Motion

NXSMP2-OMNI **Range**

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