EXO
OUTDOOR LIGHTING

LNC2
SMALL LED LITEPAK

FEATURES

- 60% more lumens and increased performance than smaller LNC models
- 3000K, 4000K and 5000K as well as Phosphor Converted Amber
- Type II, III and IV distributions available for a variety of application needs
- Quick-mount adapter allows easy installation/maintance
- 347V and 480V versions for industrial applications and Canada
- Full cut-off, neighbor friendly
- Optional photocontrol for additional energy savings

CSA C US   IP65   DLC LISTED   DLC LISTED PREMIUM

SERVICE PROGRAMS
QS10

CONTROL TECHNOLOGY

NX LIGHTING CONTROLS™

SPECIFICATIONS

CONSTRUCTION
- Rugged die-cast aluminum housing protects components and provides an architectural appearance
- Casting thermally conducts LED heat to optimize performance and long life
- Powder paint finish provides durability in outdoor environments. Tested to meet 1000 hour salt spray rating.
- Construction tested to ASTM B117 for 1,000 hours of salt spray.

OPTICS
- Zero uplight distributions using individual acrylic Micro Strike Optics
- LED optics provide IES type III and IV distributions. Optional (CS) acrylic diffuser available for reduced glare
- L96 at 60,000hrs (Projected per IESNA TM-21-11), see table on page 3 for all values

INSTALLATION
- Quick-mount adapter provides easy installation to wall or to recessed junction boxes (4" square junction box)
- Designed for direct j-box mount.
- Optional 1/2" conduit hubs available (standard for control options and battery versions)

ELECTRICAL
- 120V-277V universal voltage 50/60Hz 0-10V dimming drivers
- 347V and 480V dimmable driver option available in 25W and 35W configurations
- Minimum operating temperature is -40°C/-40°F
- Drivers have greater than .90 power factor and less than 20% Total Harmonic Distortion
- Driver RoHS and IP66
- 10kA surge protector available as an option
- 3000K CCT nominal, 4000K CCT nominal, 5000K CCT nominal (70 CRI)

CONTROLS
- Universal button photocontrol for use with 120-277V configurations
- Occupancy sensor options available for complete on/off and dimming control
- NX Lighting Controls™ available that feature dimming and occupancy sensor
- Integral Battery Backup provides emergency lighting for the required 90 minute path of egress. Uses 15 watts of power for about 2000 lumens
- Dual Driver option provides 2 drivers within luminaire but only one set of leads exiting the luminaire, where Dual Power Feed provides two drivers which can be wired independently as two sets of leads are extended from the luminaire. Both options can not be included in one fixture.

CERTIFICATIONS
- Listed to UL1598 and CSAC22.2#250.0-24 for wet locations
- DLC® (DesignLights Consortium Qualified), with some Premium Qualified configurations. Not all product variations on this page are DLC Qualified. Refer to http://www.designlights.org/ for the most up-to-date list.
- Fixture is IP65 rated

WARRANTY
- 5 year warranty

KEY DATA	
Lumen Range	1000-5600
Wattage Range	10-45
Efficacy Range (LPW)	108-124
Weights lbs. (kg)	9.6 (24.5)

Current

EXO OUTDOOR LIGHTING

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

LNC2
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ORDERING GUIDE

= Service Program
Limit of 15 luminaires

QS10

Example: LNC2-48L-25-3K7-3-UNV-DBT-PC

CATALOG # [   ]

ORDERING INFORMATION

Series		Light Engine		CCT/CRI		Distribution		Voltage	
LNC2	Small LitePak LNC2	48L-10	1000 lumens	3K7	3000K, 70 CRI	3	Type 3	UNV	120-277V
		48L-15	2000 lumens	4K7	4000K, 70 CRI	4W	Type 4 Wide	120	120V
		48L-20	2500 lumens	5K7	5000K, 70 CRI			208	208V
		48L-25	3500 lumens	AP	Amber Phosphor Converted [11]			240	240V
		48L-35	4500 lumens					277	277V
		48L-45	5600 lumens					347	347V [7]
								480	480V [7]

Mounting		Finish		Control Options		Additional Options	
Leave blank for down		BLT	Black Matte Textured	PC	Photocontrol [4]	F	Fusing (specify voltage)
NV	Inverted [3]	BLS	Black Gloss Smooth	BTSO12F	"Bluetooth Programmable, PIR Occupancy/Daylight Sensor, up to 12' mounting height [5,8]	EH	Battery Backup Unit with Heater (-30°C) [6,9]
		DBT	Dark Bronze Matte Textured			E	Battery Backup Unit (0°C) [6,9]
		DBS	Dark Brone Gloss Smooth	SCP_F	Programmable Occupancy Sensor to Control Options Section [9,10,12]	CS	Comfort Shield (N/A with Prismatic Refractor)
		GTT	Graphite Matte Textured			2DR	Dual Driver [1,2]
		LGS	Light Grey Gloss Smooth			2PF	Dual Power Feed [1,2]
		PSS	Platinum Silver Smooth			CH	Surface Conduit Hubs [5]
		WHT	White Matte Textured			SP	10kA Surge Protector
		WHS	White Gloss Smooth				
		VGT	Verde Green Textured				
		Color Option					
		CC	Custom Color				

NOTES

1. Available in 25, 35 & 45W
2. Options cannot be combined with controls or PC option
3. Not available with occupancy sensor, battery backup
4. PC comes in standard housing
5. BTS and CH options come in medium back box
6. E and EH come in large back box
7. 347V & 480V only available in 25 and 35W
8. Only available in 45 Watt
9. Not available in 347/480 Volt
10. Select 8 ft or 20 ft mounting height
11. Can be ordered as ETO
12. Not available with E or EH

REPLACEMENT PARTS (MADE TO ORDER) /ACCESSORIES

	Catalog Number	Description
☐	WP-BB-XXX*	Accessory for conduit entry
☐	LNC2-CS	Frosted acrylic comfort shield/lens reduces glare and improves uniformity with only 15% lumen reduction

Notes:
* Replace XXX with paint color

Current

currentlighting.com/exo

Page **2** of **6**
Rev 01/23/25

EXO_LNC2_spec_R09

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LNC2
SMALL LED LITEPAK

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

ORDERING GUIDE – STOCK

STOCK ORDERING INFORMATION

Catalog Number	Lumens	Wattage	LED Count	CCT/CRI	Voltage	Distribution	Photocell	Finish
LNC2-35-4K7-3-PC	3910	35	48L	4000K/70	120-277V	3	Yes	Dark Bronze Matte Textured

PERFORMANCE DATA

Nominal Wattage	System Watts	Dist. Type	5K (5000K NOMINAL 70 CRI)			4K (4000K NOMINAL 70 CRI)			3K (3000K NOMINAL 80 CRI)		
			Lumens	LPW	B-U-G	Lumens	LPW	B-U-G	Lumens	LPW	B-U-G
10W	10.6W	Type 3	1213	121	B0-U0-G0	1117	112	B0-U0-G0	1081	108	B0-U0-G0
		Type 4	1244	124	B0-U0-G0	1144	114	B0-U0-G0	1109	111	B0-U0-G0
15W	14.5W	Type 3	1820	121	B0-U0-G0	1676	112	B0-U0-G1	1622	108	B0-U0-G1
		Type 4	1868	125	B0-U0-G1	1718	115	B0-U0-G1	1663	111	B0-U0-G1
20W	20W	Type 3	2427	121	B0-U0-G1	2234	112	B0-U0-G1	2163	108	B0-U0-G1
		Type 4	2487	124	B0-U0-G1	2292	115	B0-U0-G1	2218	111	B0-U0-G1
25W	28W	Type 3	3033	121	B1-U0-G1	2793	112	B0-U0-G1	2703	108	B0-U0-G1
		Type 4	3112	124	B0-U0-G1	2862	114	B0-U0-G1	2772	111	B0-U0-G1
35W	36.4W	Type 3	4247	121	B1-U0-G1	3910	112	B1-U0-G1	3785	108	B0-U0-G1
		Type 4	4355	124	B1-U0-G2	4011	115	B1-U0-G1	3881	111	B1-U0-G1
45W	45.1W	Type 3	5466	118	B1-U0-G1	5031	112	B1-U0-G1	4871	106	B1-U0-G2
		Type 4	5604	117	B1-U0-G2	5159	108	B1-U0-G2	4995	104	B1-U0-G2

PROJECTED LUMEN MAINTENANCE

STANDARD 9, 12 AND 18L VERSIONS

Ambient Temperature	OPERATING HOURS					
	0	25,000	50,000	TM-21-11* L96 60,000	100,000	L70 (Hours)
25°C / 77°F	1	0.97	0.95	0.94	0.91	408,000
40°C / 104°F	0.99	0.96	0.94	0.93	0.89	356,000

LUMINAIRE AMBIENT TEMP FACTOR

AMB TEMP		LUMEN MULTIPLIER
0C	32F	1.03
10C	50F	1.01
20C	68F	1
25C	77F	1
30C	86F	0.99
40C	104F	0.98

Micro Strike Lumen Multiplier			
CCT	70 CRI	80 CRI	90 CRI
2700K	–	0.841	–
3000K	0.977	0.861	0.647
3500K	–	0.900	–
4000K	1	0.926	0.699
5000K	1	0.937	0.791
Monochromatic Amber Multiplier			
Amber	0.710		

EXO
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ELECTRICAL DATA

System Watts	Input Voltage	Current (AMPS)	System Power (W)
10W	120	0.09	10.6
	277	0.038	
	347	0.031	
	480	0.022	
15W	120	0.12	14.5
	277	0.07	
	347	0.04	
	480	0.03	
20W	120	0.169	20
	277	0.072	
	347	0.058	
	480	0.042	
25W	120	0.235	28
	277	0.101	
	347	0.081	
	480	0.058	
35W	120	0.305	36.4
	277	0.131	
	347	0.105	
	480	0.076	
45W	120	0.378	45.1
	277	0.163	
	347	0.13	
	480	0.094	

DIMENSIONS
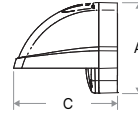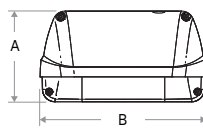
SCP HOUSING **EH - BATTERY BACKUP HOUSING**
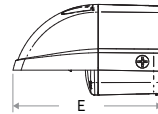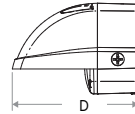
A	B	C	D	E
5.54" (141 mm)	10.16" (258 mm)	6.33" (161 mm)	7.64" (194 mm)	9.10" (231 mm)

DISTRIBUTIONS

Type 3

Type 4 Wide

Current

LNC2
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DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

OUTDOOR LIGHTING CONTROLS OPTIONS

CONTROLS FUNCTIONALITY

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		
Independent	BTSO-12F	Bluetooth® Programmable, BTSMP-OMNI-O PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens	–	–	–	✓	✓	✓	✓	✓	12ft		BTSMP-OMNI-O

DEFAULT SETTINGS

NX Wireless		
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	On
"Passcode Factory Passcode: HubbN3T!"	Enabled

Stand Alone		
Occupancy Sensor	Enabled
Occupancy Sensor Sensitivity	7
Occupancy Sensor Timeout	8 Minutes
Occupied Dim Level	100%
Unoccupied Dim Level	50%
Daylight Sensor	Disabled

NX WIRELESS COVERAGE PATTERNS

NXSMP2-OMNI

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

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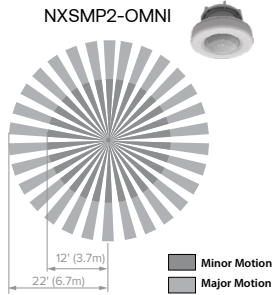
NX LIGHTING CONTROLS FREE APP

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

NX
LIGHTING CONTROLS
MOBILE 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 luminiares and program NX system settings.
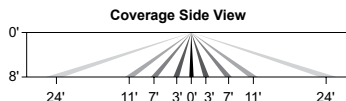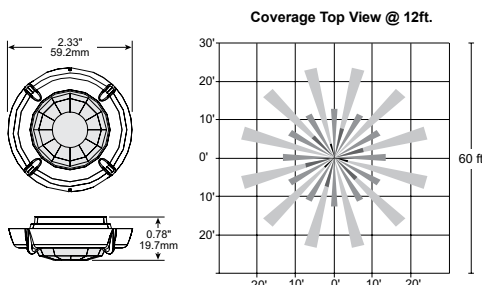
Apple App: https://apps.apple.com/us/app/nx-lighting-controls/id962112904

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

Apple App   Google Play

OUTDOOR LIGHTING CONTROLS OPTIONS   CONTROLS FUNCTIONALITY

	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, 8F or 40F	–	–	–	✓	✓	✓	✓	–	8ft or 40ft		SCP_F

COVERAGE PATTERNS FOR SCP

2.33"
59.2mm

0.78"
19.7mm

Coverage Top View @ 12ft.

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

60 ft

20' 10' 0' 10' 20'

Coverage Side View

0'

8'

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

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OUTDOOR LIGHTING

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ADDITIONAL INFORMATION

SHIPPING INFORMATION

Catalog Number	G.W(kg)/ CTN	Carton Dimensions		
		Length Inch (cm)	Width Inch (cm)	Height Inch (cm)
LNC2	14.3 (6.5)	14.5 (37)	11.4 (29)	8.4 (21.5)

CONTROL TABLE

Control Option	Sensor	Network-able	Scheduling	Occupancy	Daylight Harvesting	On/Off Control	Programming	Pair with Sensor	Sensor Mounting Height
PC	–	–	–	–	–	✔	–	–	–
BTSO12F	BTSMP-OMNI	–	–	✔	✔	with auxilary driver	–	–	12 ft
SCP_F	–	–	–	✔	–	✔	✔	–	–

LNC2 - BATTERY BACK UP
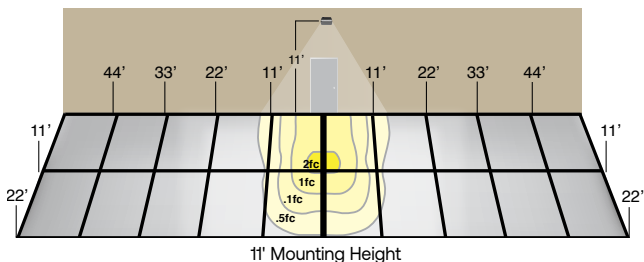
11' Mounting Height

Provides Life Safety Code average illuminance of 1.0 fc. Assumes open space with no obstructions and mounting height of 11'.

Diagrams for illustration purposes only, please consult factory for application layout.

Battery backup units consume 6 watts when charging a dead battery and 2 watts during maintenance charging. EH (units with a heater) consume up to an additional 8 watts when charging if the battery temp is lower than 10°C

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