

LNC2 SERIES

PRISMATIC VERSION

FEATURES

- Programmable Occupancy sensor (SCP option) with built in photocell: adjust time delay & dimming level
- Battery backup option for egress applications provides 1 fc average over path of egress at typical mounting heights
- Standard (down to 0°C) and cold pack (down to -30°C) battery backup options available
- Available in 3000K, 4000K and 5000K LEDs as well as amber
- Energy-efficient LED systems ranging from 13-43 watts with up to 85% energy savings over traditional sources



SPECIFICATIONS

HOUSING

- 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.

OPTICS

- Prismatic refractor lens provides ~10% uplight for increased vertical FC and forward light projection ideal for security lighting.
- L96 at 60,000hrs (Projected per IESNA TM-21-11), see table on page 2 for all values
- 3000K CCT nominal, 4000K CCT nominal, 5000K CCT nominal (70 CRI)

ELECTRICAL

- 120V-277V universal voltage 50/60Hz 0-10V dimming drivers
- Minimum operating temperature is -40°C/-40°F (excludes P15 configurations)
- Drivers have greater than .90 power factor and less than 20% Total Harmonic Distortion
- Driver RoHS and IP66
- 10kA surge protector

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 sensor, SiteSync and battery versions).

OPTIONS/CONTROLS

- Universal button photocontrol
- Occupancy sensor options available for complete on/off and dimming control
- SiteSync pre-commissioned wireless controls (with or without sensor)
- Integral Battery Backup provides emergency lighting for the required 90 minute path of egress

CERTIFICATIONS

- Listed to UL1598 and CSAC22.2#250.0-24 for wet locations
- DesignLights Consortium® (DLC) qualified. Please refer to the DLC website for specific product qualifications at www.designlights.org
- Made-to-order versions are IP-65 rated

WARRANTY

- 5 year warranty

KEY DATA	
Lumen Range	4000–16000
Wattage Range	30–140
Efficacy Range (LPW)	110–135
Reported Life (Hours)	L70>160K
Weight lbs. (kg)	15 (5.8)

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DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

ORDERING GUIDE

Example: LNC2-P15-3K7-FT-UNV

CATALOG #

Series	LED Selection	CCT/CRI	IES Distribution	Voltage	Finish	Control Options
LNC2 Small LitePak LNC2	P15 15W Prismatic Refractor P25 25W Prismatic Refractor P35 35W Prismatic Refractor	3K7 3000K, 70 CRI 4K7 4000K, 70 CRI 5K7 5000K, 70 CRI AM⁹ Amber	FT Forward Throw (Prismatic Refractor Only)	UNV 120V-277V 1 120V 2 208V 3 240V 4 277V	BL Textured Black DB Textured Dark Bronze GT Graphite Textured GYS Smooth Gray PS Smooth Plat. Silver WH Textured White CC Custom Color	EH³ Battery Backup Unit with Heater (-30°C) E³ Battery Backup Unit (0°F) F³ Fuse & Fuse-holder (not available with battery backup) SP Surge Protector

Control Options	
Sensor Controls	
SCP-8F^{4,5}	Remote control programmable line voltage sensor (8-12' recommended MH)
SCP-20F	Remote control programmable line voltage sensor (12-20' recommended MH)
PCU	Universal Button Photocontrol
SWP⁶	SiteSync Pre-commission
SWPM^{6,7}	SiteSync Pre-commission w/ OCC Sensor

- Notes:
- IES distributions only available with 9L, 12L, and 18L versions
 - Not available with occupancy sensor, battery backup or prismatic refractor options
 - Must specify voltage (120 or 277 only for E & EH)
 - Must order minimum of one remote control to program dimming settings, 0-10V fully adjustable dimming with automatic daylight calibration and different time delay settings, 120-277V only
 - PCU option not applicable, included in sensor
 - 18L - 700mA versions only. Not available with 2DR or 2PF options. Must specify group and zone information at time of order
 - Specify time delay; dimming level and mounting height
 - 12L - 700mA version only
 - Only available in 12L and 18L

STOCK ORDERING INFORMATION

Catalog Number	Wattage	Delivered Lumens	CCT	Voltage	Distribution	Mounting	Finish
LNC2-P35-4K-PCU	37W	4025	4000K	120-277V	Type 3	Square Arm	Bronze
LNC2-P35-PCU	37W	4108	5000K	120-277V	Type 4W	Square Arm	Bronze

Accessories (Order Separately)

- ☐ **SCP-REMOTE** Remote control for SCP option; order at least on per project to program and control

PERFORMANCE DATA

Description	# of LEDs	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
LNC2-PCU	1	15W	FT	1741	132	0	3	2	1706	129	0	3	2	1648	125	0	3	2
	1	25W	FT	2929	117	1	3	2	2806	112	1	3	2	2773	111	1	3	2
	1	35W	FT	4108	112	1	3	3	4025	110	1	3	3	3889	106	1	3	3

PROJECTED LUMEN MAINTENANCE

Ambient Temperature	OPERATING HOURS					
	0	25,000	TM-21-11 L90 36,000	50,000	100,000	L70 (Hours)
25°C / 77°F	1.00	0.94	0.89	0.87	0.80	>160,000
40°C / 104°F	0.99	0.93	0.88	0.86	0.78	>150,000

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ELECTRICAL DATA

# of LEDs	Drive Current (mA)	Input Voltage (V)	Current (Amps)	System Power (W)
1	350mA	120	0.11	13
		277	0.05	13
	600mA	120	0.21	25
		277	0.09	25
	900mA	120	0.31	37
		277	0.13	37

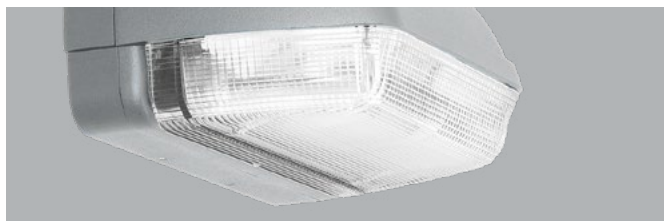
LUMINAIRE AMBIENT TEMPERATURE FACTOR (LATF)

Ambient Temperature		Lumen Multiplier
0° C	32° F	1.02
10° C	50° F	1.01
20° C	68° F	1.00
25° C	77° F	1.00
30° C	86° F	1.00
40° C	104° F	0.99
50° C	122° F	0.98

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

ADDITIONAL INFORMATION

SCP - PROGRAMMABLE OCCUPANCY SENSOR



Sensor offers greater control and energy savings with SCP programmable sensor with adjustable delay and dimming levels

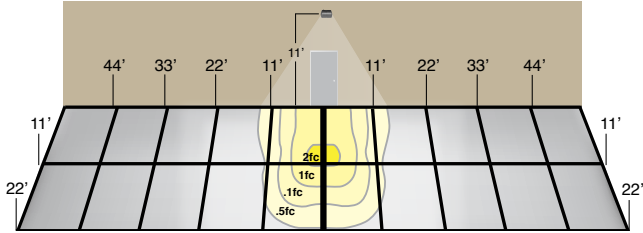
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ADDITIONAL INFORMATION (CONT'D)

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