

LITEPAK SERIES LNC3

Cat.#

Job

Type



HUBBELL
Outdoor Lighting

Approvals

SPECIFICATIONS

Intended Use:

The mid-sized LNC3 is designed for perimeter illumination for safety, security and identity. No uplight and lower glare lens option offer neighbor friendly lighting at typical mounting heights of 10-20'. Units have protective polyester finish for long lasting appearance. Ideal for schools, factories, hospitals, warehouses and retail applications. Energy efficient LEDs provide 70%+ energy savings with little to no maintenance when compared to traditional light sources.

Construction:

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. Four 1/2" conduit entries (top, bottom, and sides) provided for surface conduit.

Electrical:

- 120-277, 347 and 480 voltage, 50/60Hz, 0-10V dimming drivers
- Electronic driver
- 10kA surge protection (parallel); Automatically takes fixture off-line when device is consumed

LED(s) CCT:

- Ambient operating temperature -40°C to 40°C
- 3000K, 4000K and 5000K CCT nominal with 70 CRI
- Available in 2 or 24 LED configuration, see page 2 for electrical and photometric data

Lenses:

- Zero uplight distributions using individual acrylic LED optics provide IES type II, III and IV distributions
- CS - Frosted acrylic diffuser option for reduced glare

- CSU - Frosted acrylic diffuser for inverted "up" mounting applications (lens required)

Lumen Maintenance:

L89 at 60,000 hrs (Projected per IESNA TM-21-11), see table on page 2 for all values

Installation:

Quick-mount adapter with gasket seal provides easy installation to wall or to recessed junction box (4" square junction box). Fixture attaches by two Allen-head hidden fasteners for tamper resistance. Designed for direct j-box mount or conduit feed on all four sides in single SKU.

Options/Controls:

- Button photocontrol for dusk to dawn energy savings
- 7-pin photo-receptacle available for twist lock photocell and controls by others
- Occupancy sensor options available for complete on/off and dimming control
- SiteSync pre-commissioned wireless controls (with or without sensor)
- In addition, LITEPAK can be specified with SiteSync™ wireless control system for reduction in energy and maintenance cost while optimizing light quality 24/7. See ordering information or visit www.hubbelllighting.com/sitesync for more details.

Listings:

- Listed to UL1598 and CSAC22.2#250.0-24 for wet locations
- IP65 Assembly • IDA Approved (3000K configurations)

Warranty:

Five year limited warranty (for more information visit: <http://www.hubbelloutdoor.com/resources/warranty/>)

PRODUCT IMAGE(S)



DIMENSIONS

A	B	C	D	E	Weight / BBU
13"	10.5"	9.9"	5.8"	8.3"	18 lbs.
330.2 mm	266.7 mm	251 mm	147.3 mm	210.8 mm	8.6 kg

CERTIFICATIONS/LISTINGS



C US



*3000K and warmer CCTs only

SHIPPING INFORMATION

Catalog Number	G.W(kg)/CTN	Carton Dimensions			Carton Qty. per Master Pack
		Length Inch (cm)	Width Inch (cm)	Height Inch (cm)	
LNC3-24L	16.0 (7.3)	15.8 (40)	11.0 (28)	13 (33)	1

ORDERING INFORMATION – ORDERING EXAMPLE: LNC3-24L-3K-105-2-1-DB-7PR-SCP

FAMILY	NUMBER OF LEDS	CCT	DRIVE CURRENT	IES DISTRIBUTION	VOLTAGE	FINISH	CONTROL OPTIONS	OPTIONS
LNC3 Medium Litepak Wallpack	24L 24LEDs	3K 3000K 4K 4000K 5K 5000K	050 ⁶ 500mA 075 750mA 105 1050mA	2 Type II 3 Type III 4 Type IV	U 120v-277v 1 120v ¹ 2 208v ¹ 3 240v ¹ 4 277v ¹ 5 480v ¹ F 347v ¹	DB Bronze BL Black WH White GR Gray PS Platinum CC Custom Color	PCU Universal Button PC 7PR ⁸ 7pin PCR SCP ^{3,4} Programmable occupancy sensor SWP ⁸ SiteSync pre-commissioned SWPM ^{8,9} SiteSync pre-commissioned w/ occupancy sensor	F ¹ Fusing (must specify voltage per footnote) CS Frosted acrylic diffuser CSU ² Inverted/Up mounting frosted acrylic diffuser (required for up/inverted fixture installations, factory install only see page 3) E ^{1,5} Integral battery backup rated for 0° EH ^{1,5} Integral battery backup with heater rated for -30°C

STOCK ORDERING INFORMATION – COB MODELS

CATALOG NUMBER	DESCRIPTION	DISTRIBUTION	WATTAGE	LUMENS	LPW	VOLTAGE	# OF DRIVERS @ DRIVE CURRENT	WEIGHTS LBS. (KGS)
LNC3-2L4K-075	2 LED - 60W Configuration, 4000K, Dark Bronze	Type IV	62.0	5,857	94.8	120-277	1 @ 750mA	16(7.3)
LNC3-2L4K-105	2 LED - 90W Configuration, 4000K, Dark Bronze		87.4	7,721	86.1		1 @ 1050mA	
LNC3-2L5K-105	2 LED - 90W Configuration, 5000K, Dark Bronze		87.4	7,288	82.0		1 @ 1050mA	
LNC3-2L4K-105-7PR	2 LED - 90W Configuration, 4000K, Dark Bronze, 7-Pin		87.4	7,721	86.1		1 @ 1050mA	
LNC3-2L4K-105-SCP	2 LED - 90W Configuration, 4000K, Dark Bronze, SCP		87.4	7,721	86.1		1 @ 1050mA	



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REPLACEMENT PART/ACCESSORIES

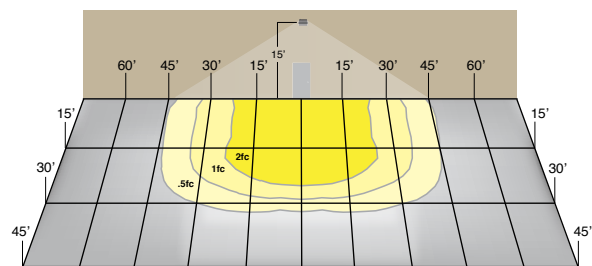
CATALOG NUMBER	DESCRIPTION
LNC3-CS	Frosted acrylic diffuser reduces surface brightness and glare with a roughly 20% lumen reduction
SCP-REMOTE*	Remote control for SCP option. Order at least one per project to program and control fixtures
SWUSB**	SiteSync loaded on USB flash drive (Windows based only)
SWTAB**	SiteSync Windows Tablet
SWBRG*	SiteSync Wireless Bridge Node

* 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, 120V or 277V only

** When ordering with SiteSync, one of the following interface options must be chosen an ordered separately. Each option contains the SiteSync License, GUI and Bridge Node.

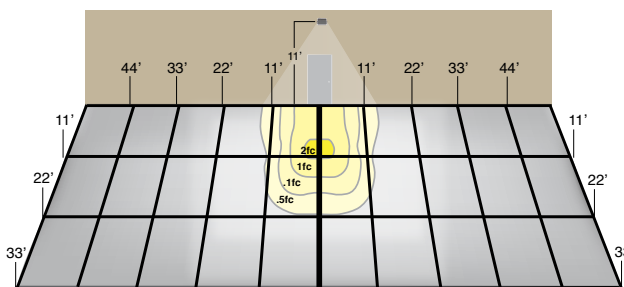
* If needed, an additional Bridge Node can be ordered.

PHOTOMETRICS



LNC3-24L-4K-105-3-U at 15' Mounting Height

PHOTOMETRICS - 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.

PERFORMANCE DATA

# OF LEDS	DRIVE CURRENT	SYSTEM WATTS	DIST. TYPE	5K (5000K nominal, 70 CRI)		4K (4000K nominal, 70 CRI)		3K (3000K nominal, 70 CRI)	
				LUMENS	LPW ¹	LUMENS	LPW ¹	LUMENS	LPW ¹
24	500mA	41	2	4,143	101	4,057	99	3,858	94
			3	4,076	99	3,991	97	3,797	93
			4	4,104	100	4,019	98	3,823	93
	750mA	60	2	5,918	99	5,795	97	5,512	92
			3	5,823	97	5,702	95	5,424	90
			4	5,863	98	5,741	96	5,461	91
	1050mA	83	2	7,630	92	7,472	90	7,107	86
			3	7,508	90	7,352	89	6,993	84
			4	7,559	91	7,402	89	7,041	85

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 and application.

EMERGENCY PERFORMANCE DATA

# OF LEDS	DRIVE CURRENT	SYSTEM WATTS	DIST. TYPE	5K (5000K nominal, 70 CRI)		4K (4000K nominal, 70 CRI)		3K (3000K nominal, 70 CRI)	
				LUMENS	LPW ¹	LUMENS	LPW ¹	LUMENS	LPW ¹
4	N/A	N/A	E	671	N/A	657	N/A	591	N/A
24	500mA	41	2E	4,192	102	4,105	100	3,905	95
			3E	4,125	101	4,039	99	3,842	94
			4E	4,153	101	4,067	99	3,869	94
	750mA	60	2E	5,989	100	5,865	98	5,578	93
			3E	5,893	98	5,771	98	5,489	91
			4E	5,933	99	5,810	97	5,527	92

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 and application.

PROJECTED LUMEN MAINTENANCE

Ambient Temp.	OPERATING HOURS					
	0	25,000	50,000	TM-21-11 ¹ L96 60,000	100,000	L70 (hours)
25°C / 77°F	1.00	0.97	0.94	0.93	0.89	>296,000
40°C / 104°F	1.00	0.95	0.91	0.89	0.83	>191,000

1. Projected per IESNA TM-21-11 * (Nichia 219C, 1050mA, 85°C, 10,000 hrs)

Data references the extrapolated performance projections for the LNC3-24L-105 base model in a 40°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.

LUMINAIRE AMBIENT TEMPERATURE FACTOR (LATF)

AMBIENT TEMPERATURE	LUMEN MULTIPLIER
0° C	1.02
10° C	1.01
20° C	1.00
25° C	1.00
30° C	1.00
40° C	0.99

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



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ELECTRICAL DATA

# OF LEDS	DRIVE CURRENT (mA)	INPUT VOLTAGE (V)	CURRENT (Amps)	SYSTEM POWER (w)
24	500mA	120	0.34	41
		277	0.15	41
		347	0.12	41
		480	0.09	41
	750mA	120	0.50	60
		277	0.22	60
		347	0.17	60
		480	0.13	60
	1050mA	120	0.69	83
		277	0.30	83
		347	0.24	83
		480	0.17	83

SCP - Programmable Occupancy Sensor



Sensor offers greater control and energy savings with SCP programmable sensor with adjustable delay and dimming levels (Factory default is 10%)

Visit: <http://www.hubbelllighting.com/solutions/controls/> for control application information

CSU – INVERTED MOUNTING OPTION (Requires Factory Installed lens option)



Inverted mounting capabilities for uplighting applications. Specially designed frosted acrylic diffuser option softens output, improves uniformity and protects LED lenses.

7PR-7-PIN RECEPTACLE (Photocontrol and Wireless Controls by Others)



Standard NEMA 7-Pin receptacle for twist lock photocell or wireless controls (by others).

E & EH EMERGENCY BATTERY BACKUP



24 High Power LEDs generate up to 6,000 lumens in Normal Mode, and use 4 LEDs for up to 700 lumens in emergency.

SWP & SWPM - SiteSync™



SiteSync Lighting Control is available from our most popular brands in a broad range of award-winning product families.

Precommissioned SiteSync Ordering Information:

When ordering a fixture with the SiteSync lighting control option, additional information will be required to complete the order. The SiteSync Commissioning Form or alternate schedule information must be completed. This form includes Project locations Group information, and Operating schedules. For more detailed information please visit www.HubbellLighting.com/products/sitesync or contact Hubbell Lighting tech support at (800) 345-4928.

SiteSync fixtures with occupancy sensor (SWPM) require the mounting height of the fixture selection of the lens.

Examples: LNC3-24L-4K-075-3-U-BL-SWP
LNC3-24L-4K-075-3-U-BL-SWPM-20F

SiteSync only
SiteSync with Motion Control