

DATE: \_\_\_\_\_ LOCATION: \_\_\_\_\_  
 TYPE: \_\_\_\_\_ PROJECT: \_\_\_\_\_  
 CATALOG #: \_\_\_\_\_

# LNC3

MEDIUM LED LITEPAK

## FEATURES

- Litepak LNC3 is a mid-sized wallpack in the popular Litepak series
- The LNC3 features luminaires with TIR optics and four different lumen packages, multiple distributions and CCT for maximum light level and mounting height flexibility
- Capable of replacing up to 250w HID solutions at over 70% energy savings
- Energy efficient LEDs provide 70%+ energy savings with little to no maintenance when compared to traditional light sources
- Typical mounting heights of 8-20"



## CONTROL TECHNOLOGY



## SPECIFICATIONS

### 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
- 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)

### OPTICS

- Ambient operating temperature -40°C to 40°C
- 3000K, 4000K and 5000K CCT nominal with 70 CRI
- Available in 4 or 24 LED configuration
- L70 at 60,000 hrs (Projected per IESNA TM-21-11), see table on page 3 for all values

### INSTALLATION

- Quick-mount adapter with gasket seal provides easy installation to wall or to recessed junction box (4" square junction box)

### INSTALLATION (CONTINUED)

- 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

### ELECTRICAL

- 120-277, 347 and 480 voltage, 50/60Hz, 0-10V dimming drivers
- Electronic driver
- 10kA surge protection

### 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.hubbellighting.com/sitesync](http://www.hubbellighting.com/sitesync) for more details



## RELATED PRODUCTS

- ∅ [LNC](#)      ∅ [INC2](#)      ∅ [LNC4](#)

### CERTIFICATIONS

- DLC® DesignLights Consortium Qualified, with some Premium Qualified configurations. Please refer to the DLC website for specific product qualifications at [www.designlights.org](http://www.designlights.org)
- Listed to UL1598 and CSAC22.2#250.0-24 for wet locations
- Listed to UL1598 and CSAC22.2#250.0-24 for wet locations
- IP65 Assembly
- IDA Approved (3000K configurations)

### WARRANTY

- 5 year limited warranty
- See [HLI Standard Warranty](#) for additional information

KEY DATA	
Lumen Range	2,991–7,603
Wattage Range	28–83
Efficacy Range (LPW)	84–115
Fixture Projected Life (Hours)	L70>60K
Weights lbs. (kg)	18.0 (8.2)

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## ORDERING GUIDE

Example: LNC3-24L-3K-035-2-U-DB-PCU

CATALOG # \_\_\_\_\_

### ORDERING INFORMATION

Series	# LEDs	CCT/CRI	Drive Current	IES Distribution	Voltage	Finish
LNC3 Medium Litepak Wallpack	24L 24LEDs	<b>3K</b> 3000K nominal, 70 CRI <b>4K</b> 4000K nominal, 70 CRI <b>5K</b> 5000K nominal, 70 CRI	<b>035</b> 350mA <b>050</b> 500mA <b>075</b> 750mA <b>105</b> 1050mA	<b>2</b> Type II <sup>1</sup> <b>3</b> Type III <sup>1</sup> <b>4</b> Type IV <sup>1</sup>	<b>U</b> 120-277V <b>1</b> 120V <sup>1</sup> <b>2</b> 208V <sup>1</sup> <b>3</b> 240V <sup>1</sup> <b>4</b> 277V <sup>1</sup> <b>5</b> 480V <sup>1</sup> <b>F</b> 347V <sup>1</sup>	<b>DB</b> Dark Bronze Textured <b>BL</b> Black Textured <b>WH</b> White Textured <b>GR</b> Gray Textured <b>PS</b> Platinum Silver Smooth <b>CC</b> Custom Color

Control Options	Options
<b>PCU</b> Universal Button Photocontrol	<b>F</b> Fusing (must specify voltage per footnote)
<b>7PR</b> 7pin PCR <sup>6</sup>	<b>CS</b> Frosted acrylic diffuser
<b>SCP</b> Programmable occupancy sensor <sup>3,4</sup>	<b>CSU</b> Inverted/Up mounting frosted acrylic diffuser (required for up/inverted fixture installations, factory install only see page 3) <sup>2</sup>
<b>SWP</b> SiteSync Pre-Commission <sup>7,10</sup>	<b>E</b> Integral battery backup rated for 0°C <sup>1,5</sup>
<b>SWPM</b> SiteSync Pre-commission w/ OCC Sensor <sup>4,7,8,10</sup>	<b>EH</b> Integral battery backup with heater rated for -30°C <sup>1,5</sup>
	<b>2DR</b> Dual Driver <sup>9</sup>

Notes:

- Must specify voltage (120 or 277 only for E & EH)
- Factory install only. Not available with SCP or SWPM sensor/control options
- 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 (8F = up to 8ft, 20F = up to 20ft)
- 350mA, 500mA & 750mA versions only. Not available with F, SWP or SWPM options
- Accepts standard 3, 5, and 7-Pin ANSI controls (by others). Not available with PCU, SWP or SWPM control options
- Must specify group and zone information at time or order. See [www.HubbellLighting.com/products/sitesync](http://www.HubbellLighting.com/products/sitesync) for future details
- Specify time delay, dimming level and mounting height
- 750mA and 1050mA versions only, not available with 347/480V
- 1050mA only, not available with 347V or 480V

### ACCESSORIES AND SERVICES (ORDERED SEPARATELY)

Catalog Number	Description
<input type="checkbox"/> LNC3-CS	Frosted acrylic comfort shield/lens, reduces glare and improves uniformity with only 20% lumen reduction
<input type="checkbox"/> SCP-Remote	Remote Control for SCP/_F option. Order at least one per project to program and control the occupancy sensor
<input type="checkbox"/> SWUSB	SiteSync interface software loaded on USB flash drive for use with owner supplied PC (Windows based only). Includes SiteSync license, software and USB radio bridge node*
<input type="checkbox"/> SWTAB	Windows tablet and SiteSync interface software. Includes tablet with preloaded software, SiteSync license and USB radio bridge node*
<input type="checkbox"/> SWBRG	SiteSync USB radio bridge node only. Order if a replacement is required or if an extra bridge node is requested
<input type="checkbox"/> SW7PR	SiteSync 7 Pin on fixture module On/Off/Dim, Daylight Sensor 120-480VAC*

Notes:

- \* When ordering SiteSync at least one of these two interface options must be ordered per project
- + Available as a SiteSync retrofit solution for fixtures with an existing 7pin receptacle

#### Hubbell Control Solutions — Accessories (Sold Separately)

##### NX Distributed Intelligence™

- NXOFM-1R1D-UNV On-fixture Module (7-pin), On / Off / Dim, Daylight Sensor with HubbNET Radio and Bluetooth® Radio, 120–480VAC

##### wiSCAPE® Lighting Control

- WIR-RME-L On-fixture Module (7-pin or 5-pin), On / Off / Dim, Daylight Sensor with wiSCAPE Radio, 110–480VAC

For additional information related to these accessories please visit [www.hubbellcontrolsolutions.com](http://www.hubbellcontrolsolutions.com). Options provided for use with integrated sensor, please view specification sheet ordering information table for details.

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## CONTROLS

### SiteSync — Precommissioned 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 location, Group information, and Operating schedules. For more detailed information please visit [the SiteSync family page on our website](#) or contact Hubbell Lighting tech support at 800-345-4928.



SiteSync fixtures with Motion control (SWPM) require the mounting height of the fixture for selection of the lens.

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

SiteSync only

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

SiteSync with Motion Control

### SiteSync 7-Pin Module:

- SiteSync features in a new form
- Available as an accessory for new construction or retrofit applications (with existing 7-Pin receptacle)
- Does not interface with occupancy sensors



SW7PR

## PERFORMANCE DATA

# Of LEDs	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
4	N/A	N/A	E	671	-	-	-	-	657	-	-	-	-	591	-	-	-	-
24	350mA	28	2	3,212	115	1	0	1	3,145	113	1	0	1	2,991	107	1	0	1
			3	3,160	113	1	0	1	3,094	111	1	0	1	2,944	106	1	0	1
			4	3,182	114	1	0	1	3,116	112	1	0	1	2,964	106	1	0	1
	500mA	41	2	4,143	101	1	0	2	4,057	99	1	0	2	3,858	94	1	0	2
			3	4,076	99	1	0	1	3,991	97	1	0	1	3,797	93	1	0	1
			4	4,104	100	1	0	1	4,019	98	1	0	1	3,823	93	1	0	1
	750mA	60	2	5,918	99	1	0	2	5,795	97	1	0	2	5,512	92	1	0	2
			3	5,823	97	1	0	2	5,702	95	1	0	2	5,424	90	1	0	2
			4	5,863	98	1	0	2	5,741	96	1	0	2	5,461	91	1	0	2
	1050mA	83	2	7,630	92	2	0	2	7,472	90	2	0	2	7,107	86	2	0	2
			3	7,508	90	1	0	2	7,352	89	1	0	2	6,993	84	1	0	2
			4	7,559	91	1	0	2	7,402	89	1	0	2	7,041	85	1	0	2

## ELECTRICAL DATA

# OF LEDs	Drive Current (mA)	Input Voltage (V)	Oper. Current (Amps)	System Power (W)
24	350mA	120	0.23	28
		277	0.10	28
		347	0.08	28
		480	0.06	28
	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

## PROJECTED LUMEN MAINTENANCE

Ambient Temperature	OPERATING HOURS					
	0	25,000	50,000	TM-21-11* 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

\* Projected per IESNA TM-21-11 \* (Nichia 219B, 700mA, 85°C Ts, 10,000hrs). Data references the extrapolated performance projections for the LNC-12LU-5K base model in a 40°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.

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## LUMINAIRE AMBIENT TEMPERATURE FACTOR (LATF)

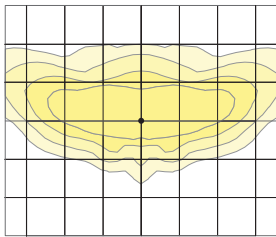
Ambient Temperature		Lumen Multiplier
0° C	32° F	1.02
10° C	50° F	1.01
20° C	68° F	1.00
25° C	77° F	1.00
30° C	86° F	1.00
40° C	104° F	0.99

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

## PHOTOMETRY

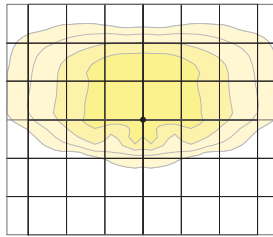
The following diagrams represent the general distribution options offered for this product. For detailed information on specific product configurations, see [website photometric test reports](#).

LNC3 – Type II



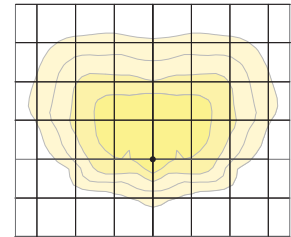
Mounting Height: 15'

LNC3 – Type III



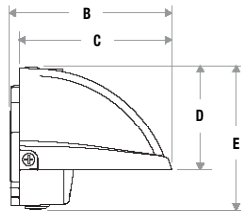
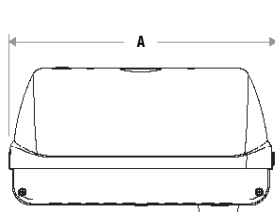
Mounting Height: 15'

LNC3 – Type IV



Mounting Height: 15'

## DIMENSIONS



A	B	C	D	E	Weight
13" (330 mm)	10.5" (267 mm)	9.9" (251 mm)	5.8" (147 mm)	8.3" (211 mm)	25.0 lbs 11.3 kg

## ADDITIONAL INFORMATION

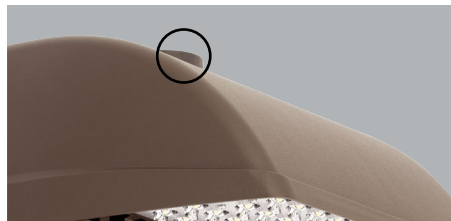
### CSU – INVERTED MOUNTING OPTION



\*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.

### SCP - PROGRAMMABLE OCCUPANCY SENSOR



\*Photocontrol and Wireless Controls by Others

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

### 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.hubbellighting.com/solutions/controls/> for control application information

## SHIPPING INFORMATION

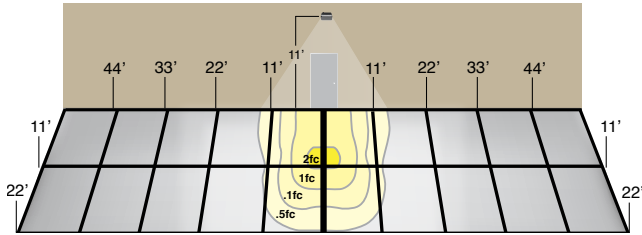
Catalog Number	G.W(kg)/ CTN	Carton Dimensions			Carton Qty. per Master Pack
		Length Inch (cm)	Width Inch (cm)	Height Inch (cm)	
LNC3-24LU	18.0 (8.2)	15.8 (40)	11.0 (28)	13.0 (33)	1

# LNC3

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## ADDITIONAL INFORMATION (CONTINUED)

### LNC2 - BATTERY BACK UP



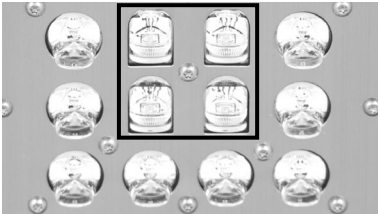
11' Mounting Height

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

### E & EH EMERGENCY BATTERY BACKUP



24 High Power LEDs generate up to 7,500 lumens in Normal Mode, and use 4 LEDs for up to 700 lumens in emergency.

## USE OF TRADEMARKS AND TRADE NAMES

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