

LITEPAK SERIES LNC4

Cat.#

Job

Type



HUBBELL
Outdoor Lighting

Approvals

SPECIFICATIONS

Intended Use:

Largest in the Litepak product family, the LNC4 is designed for perimeter illumination for safety, security and identity. Replaces up to 400w HID luminaires one-for-one replacement covering existing installation footprint. No uplight and lower glare lenses offer neighbor friendly lighting at typical mounting heights of 15-25'. Units have protective polyester powder coat 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. Battery backup option for meeting path of egress requirements.

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. 10 kA surge protection (parallel); Automatically takes fixture off-line when device is consumed. Ambient operating temperature -40°C to 40°C.

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)

LED(s) CCT:

- 3000K, 4000K and 5000K CCT nominal with 70 CRI. 36 and 44 LED configurations available, see page 2 for electrical and photometric data

Lumen Maintenance:

L96 at 25,000 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, the LNC4 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 for more details.

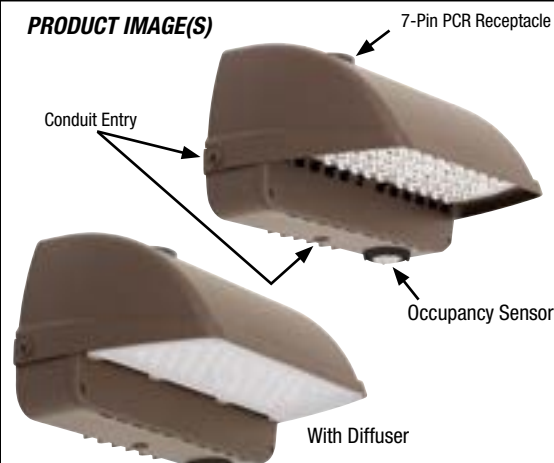
Listings

- DesignLights Consortium® (DLC) qualified. Please refer to the DLC website for specific product qualifications at www.designlights.org
- Listed to UL1598 and CSAC22.2#250.0-24 for wet locations. IP65 Assembly. IDA Approved (3000K configurations)

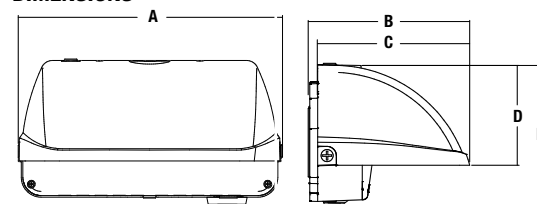
Warranty:

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

PRODUCT IMAGE(S)



DIMENSIONS



Fixture Weight: 27 pounds

A	B	C	D	E	Weight
17.2"	10.5"	9.9"	6.5"	8.9"	27 lbs.
436 mm	266 mm	251 mm	165 mm	226 mm	12.3 kg

SHIPPING INFORMATION

Catalog Number	G.W(kg)/CTN	Carton Dimensions			Carton Qty. per Master Pack
		Length Inch (cm)	Width Inch (cm)	Height Inch (cm)	
LNC4-36L	27.0 (12.2)	19.7 (50)	13 (33)	13 (33)	1
LNC4-44L					

CERTIFICATIONS/LISTINGS



C US *3000K and warmer CCTs only

ORDERING INFORMATION – CONFIGURABLE (ORDERING EXAMPLE: LNC4-36L3K-105-3-U-BL-PCU-CS)

FAMILY	NUMBER OF LEDS	CCT	DRIVE CURRENT	IES DISTRIBUTION	VOLTAGE	FINISH	CONTROL OPTIONS	OPTIONS
LNC4 Large Litepak Wallpack	36L 36LED 44L 44LED	3K 3000K 4K 4000K 5K 5000K	065 ⁶ 650mA 105 1150mA	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 ⁵ 7-pin photocell receptacle SCP ^{3,4} Programmable occupancy sensor SWP ^{6,8} SiteSync pre-commissioned SWPM ^{4,6,8,9} SiteSync pre-commissioned w/ occupancy sensor	F ¹ Fusing (must specify voltage per footnote) CS Frosted acrylic diffuser CSU ² Frosted acrylic diffuser required for inverted fixture installations (Factory install only see page 3) E ^{1,7} Integral battery backup rated for 0°C. Available Jan 2017 EH ^{1,7} Integral battery backup with heater rated for -30°C. Available Jan 2017

REPLACEMENT PART/ACCESSORIES

CATALOG NUMBER	DESCRIPTION
LNC4-CS	Frosted acrylic diffuser reduces surface brightness and glare with a roughly 20% lumen reduction
SCP-REMOTE ²	Remote control for SCP option. Order at least one per project to program and control fixtures
SWUSB ³	SiteSync loaded on USB flash drive (Windows based only)
SWTAB ³	SiteSync Windows Tablet
SWBRG ³	SiteSync Wireless Bridge Node

¹ 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
² 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.
³ If needed, an additional Bridge Node can be ordered.



Hubbell Outdoor Lighting • 701 Millennium Boulevard • Greenville, SC 29607 • Phone: 864-678-1000

Due to our continued efforts to improve our products, product specifications are subject to change without notice.

© 2016 HUBBELL OUTDOOR LIGHTING, All Rights Reserved • For more information visit our website: www.hubbelloutdoor.com • Printed in USA

LNC4-SPEC 10/16

ORDERING INFORMATION – STOCKED VERSIONS (ORDERING EXAMPLE: LNC4-44L-4K)

Catalog Number	Wattage	Number of LEDs	Voltage	Dist. Type	Lumens	LPW	CCT	Weight lbs. (Kg)	Number of Drivers	LED Current
LNC4-36L-4K	124.6	36	120-277	4	10,754	86.3	4000°K	27.0 (12.2)	2	1050mA
LNC4-44L-4K	152.6	44			13,477	88.3				
LNC4-44L-5K	152.1	44			13,342	87.7	5000°K			
LNC4-44L-4K-7PR	152.6	44			13,477	88.3	4000°K			
LNC4-44L-4K-SCP	152.6	44			13,477	88.3				

PERFORMANCE DATA

PERFORMANCE DATA				5K (5000K nominal, 70 CRI)					4K (4000K nominal, 70 CRI)					3K (3000K nominal, 70 CRI)				
# OF LEDS	DRIVE CURRENT	SYSTEM WATTS	DIST. TYPE	LUMENS	LPW¹	B	U	G	LUMENS	LPW¹	B	U	G	LUMENS	LPW¹	B	U	G
36	650mA	80	2	7,627	95.3	2	0	2	7,440	93.0	2	0	2	6,756	84.4	2	0	2
			3	7,590	94.9	1	0	2	7,404	92.5	1	0	2	6,723	84.0	1	0	2
			4	7,611	95.1	1	0	3	7,424	92.8	1	0	3	6,742	84.3	1	0	3
44		96	2	9,094	94.7	2	0	2	9,221	96.0	2	0	2	8,572	89.3	2	0	2
			3	9,472	98.7	2	0	2	9,298	96.9	1	0	2	8,644	90.0	1	0	2
			4	8,916	92.9	1	0	3	9,040	94.2	1	0	3	8,405	87.6	1	0	3
36	1150mA	140	2	11,911	86.6	2	0	2	11,619	84.5	2	0	2	10,551	76.7	2	0	2
			3	11,853	90.2	2	0	2	11,563	88.0	2	0	2	10,500	79.9	2	0	2
			4	11,886	84.9	1	0	3	11,595	82.8	1	0	3	10,529	75.2	1	0	3
44		170	2	14,202	83.6	2	0	3	14,400	84.7	3	0	3	13,387	78.7	2	0	2
			3	14,793	87.0	2	0	3	14,521	88.2	2	0	3	13,499	82.0	2	0	3
			4	13,924	81.9	2	0	3	14,118	83.0	2	0	3	13,127	77.2	2	0	3

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.

ELECTRICAL DATA

Configurable Versions

# of LEDs	Drive Current (mA)	Input Voltage	Current (Amps)	System Power
36	650mA	120	0.66	80
		277	0.29	80
		347	0.23	80
		480	0.17	80
44		120	0.80	96
		277	0.35	96
		347	0.28	96
		480	0.20	96
36	1150mA	120	1.17	140
		277	0.51	140
		347	0.40	140
		480	0.29	140
44		120	1.42	170
		277	0.61	170
		347	0.49	170
		480	0.35	170

Stocked Versions

# of LEDs	Drive Current (mA)	Input Voltage	Current (Amps)	System Power
36	STD. (1050)mA	120	1.03	124
		277	0.45	124
44		120	1.27	152
		277	0.55	152

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	0.96	0.92	0.91	0.85	223,000
40°C / 104°F	1.00	0.94	0.89	0.87	0.80	159,000

1. 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.

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).



HUBBELL
Outdoor Lighting

Hubbell Outdoor Lighting • 701 Millennium Boulevard • Greenville, SC 29607 • Phone: 864-678-1000

Due to our continued efforts to improve our products, product specifications are subject to change without notice.

© 2016 HUBBELL OUTDOOR LIGHTING, All Rights Reserved • For more information visit our website: www.hubbelloutdoor.com • Printed in USA

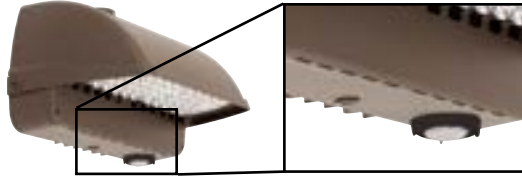
LNC4-SPEC 10/16

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



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

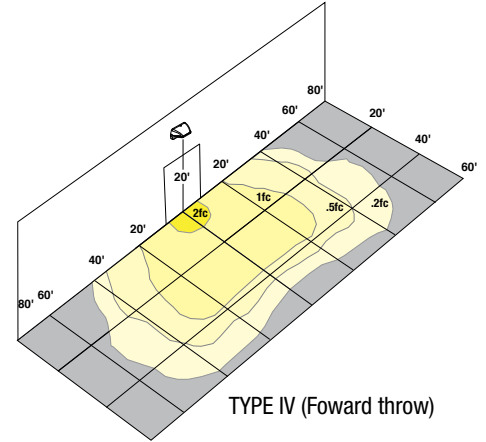
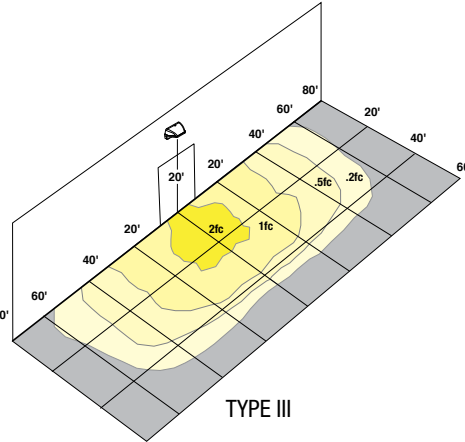
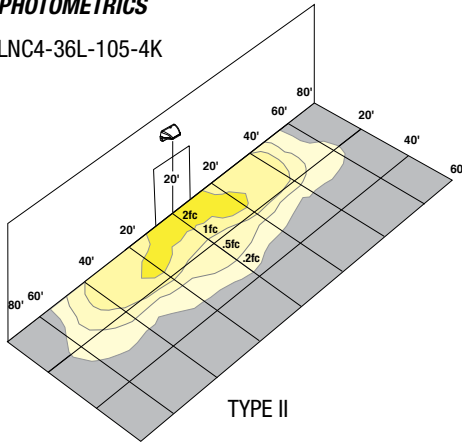
7PR-7-PIN RECEPTACLE
(Photocontrol and Wireless Controls by Others)



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

PHOTOMETRICS

LNC4-36L-105-4K



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: LNC4-36L4k-105-3-U-DB-SWP
LNC4-36L4k-105-3-U-DB-SWPM-20F

SiteSync only
SiteSync with Motion Control