


NRG® 4000 SERIES LUMASQUARE® II LED	Cat.#		 HUBBELL Outdoor Lighting
	Job	Type	
			Approvals

SPECIFICATIONS

Intended Use:

Commercial indoor and outdoor surface-mount lowbay applications such as mechanical rooms, utility areas, outdoor retail, covered loading docks, or any medium to low mounting height application where an energy saving, high performance fixture is required. Saves 60-80% compared to traditional metal halide sources.

Construction:

One-piece, injection-molded, clear prismatic acrylic refractor. High temperature acrylic for reduced yellowing, uniform light distribution and low glare. Fully gasketed for weatherproof/bugproof integrity. High transmittance acrylic featuring 82-84% efficiencies plus three times impact strength of standard acrylic. Stainless steel vandal-resistant screws standard.

Rugged, die-cast housing has a durable Lektrocote® finish available in bronze, white, black and gray. Mounts over recessed J-box and features two convenient 1/2" side hubs for surface conduit mounting and an internal channel for thru wiring.

Optics/Electrical:

Fixtures are designed for operating ambient temperature of -40°C to 40°C. Two 0-10V dimming drivers, 120-277V, 50/60 Hz. Fixture available in 350 mA or 700 mA for increased lumen output. 10KA surge suppressor is included.

LED(s) CCT:

3000K CCT (80 CRI) nominal, 4000K CCT (70 CRI) nominal and 5000K CCT (70 CRI) nominal

Installation:

Standard mounting for ceiling/conduit; two 1/2" conduit hubs for surface wiring

Listings:

- Listed to UL 1598 for use in wet locations.
- DesignLights Consortium® (DLC) qualified. Please refer to the DLC website for specific product qualifications at www.designlights.org

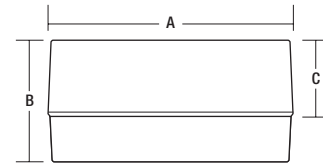
Warranty:

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

PRODUCT IMAGE(S)



DIMENSIONS



A	B	C	Weight
14"	8.125"	4.75"	13.9 lbs.
356 mm	206 mm	121 mm	6.3 kg

CERTIFICATIONS/LISTINGS



ORDERING INFORMATION - 10-DAY QUICK-SHIP

Catalog Number	System Watts	Delivered Lumens	Voltage	CCT	# Drivers/Current	Mounting Height	Weight lbs. (kg)	PKG. CODE
NRG-4-30LU-4K-035-BZ	35	4234	120-277V	4000K	1@350mA	up to 16 ft.	13.9 (6.3)	BC
NRG-4-30LU-4K-BZ	70	7504	121-277V	4000K	1@700mA	up to 16 ft.	13.9 (6.3)	BC
NRG-4-30LU-5K-035-BZ	35	4471	122-277V	5000K	1@350mA	up to 16 ft.	13.9 (6.3)	BC
NRG-4-30LU-5K-BZ	70	7727	123-277V	5000K	1@700mA	up to 16 ft.	13.9 (6.3)	BC

ORDERING INFORMATION - MADE TO ORDER

NRG-4	-	30L	-	U	-		-		-	
FAMILY		LED COUNT		VOLTAGE		CCT		DRIVE CURRENT		FINISH
NRG-4 Lumasquare II		30L 30 LEDs		U 120V-277V		3K 3000K 4K 4000K 5K 5000K		BLANK 700mA 035 350mA		BZ Bronze WH White BL Black GR Gray

REPLACEMENT PART

Catalog Number	Description
800-3289-0100	Replacement refractor kit



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.

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PERFORMANCE DATA

# OF LEDS	DRIVE CURRENT	SYSTEM WATTS	DIST. TYPE	5K (5000K nominal, 70 CRI)					4K (4000K nominal, 70 CRI)					3K (3000K nominal, 80 CRI)				
				LUMENS	LPW ¹	B	U	G	LUMENS	LPW ¹	B	U	G	LUMENS	LPW ¹	B	U	G
30	350mA	35w	5S	4471	127	1	3	1	4234	121	1	3	1	3389	97	1	3	1
	700mA	70w	5S	7727	110	2	4	2	7504	108	2	3	2	5730	82	2	3	2

Lumen values are from photometric tests performed at a NVLAP accredited laboratory 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, application and performance tolerances of the electrical components.

ELECTRICAL DATA

# OF LEDS	NUMBER OF DRIVERS	DRIVE CURRENT (mA)	INPUT VOLTAGE (V)	SYSTEM POWER (w)	CURRENT (Amps)
30	1	350mA	120	35	0.59
			277	35	0.27
	2	700mA	120	70	1.19
			277	71	0.58

PROJECTED LUMEN MAINTENANCE

Ambient Temp.	OPERATING HOURS					L70 (hours)
	0	25,000	50,000	TM-21-11 ¹ 60,000	100,000	
25°C / 77°F	1.00	0.98	0.96	0.96	0.94	672,000
40°C / 104°F	0.99	0.96	0.95	0.94	0.92	539,000

¹ Nichia 219B, 700mA, 85°C Ts, 10,000hrs

Data references the extrapolated performance projections for the NRG4000 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
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).