


<b>NRG® 4000 SERIES</b> <b>LUMASQUARE® II</b> LED <span style="color: red; border: 1px solid red; border-radius: 50%; padding: 2px;">NEW</span>	Cat.#	Approvals	
	Job	Type	

### 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:

4000K CCT (70 CRI) nominal and 5000K CCT (67 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; Some models meet DesignLights Consortium (DLC) qualifications, consult DLC website for more details: <http://www.designlights.org/QPL>

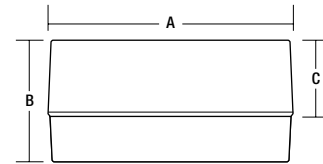
#### Warranty:

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

Catalog Number	Mounting	Wattage	Voltage	Lumens	Drive Current	DesignLights Consortium
NRG4-30LU-4K-BZ	Ceiling/conduit	70	120-277V	5872	700mA	

Catalog Number	Mounting	Wattage	Voltage	Lumens	Drive Current
NRG4-30LU-5K-BZ	Ceiling/conduit	70	120-277V	6122	700mA
NRG4-30LU-5K-035-BZ	Ceiling/conduit	35	120-277V	3543	350mA
NRG4-30LU-4K-035-BZ	Ceiling/conduit	35	120-277V	3355	350mA

1 For alternate housing finish change BZ to WH-White, BL-Black, GR-Gray

2 Some models meet DesignLights Consortium (DLC) qualifications, consult DLC website for more details: <http://www.designlights.org/QPL>

### REPLACEMENT PART

Catalog Number	Description
800-3289-0100	Replacement refractor kit



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

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NRG4LED-SPEC 2/16

**PERFORMANCE DATA**

# OF LEDS	DRIVE CURRENT	SYSTEM WATTS	DIST. TYPE	5K (5000K nominal, 67 CRI)					4K (4000K nominal, 70 CRI)					3K (3000K nominal, 80 CRI)				
				LUMENS	LPW <sup>1</sup>	B	U	G	LUMENS	LPW <sup>1</sup>	B	U	G	LUMENS	LPW <sup>1</sup>	B	U	G
30	350mA	35w	5S	3545	101	1	3	1	3358	96	1	3	1	2687	77	1	3	1
	700mA	70w	5S	6126	88	2	3	1	5872	84	2	3	1	4543	65	2	3	1

Lumen values are from photometric tests performed at a NVLAP certified 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

**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).

**PROJECTED LUMEN MAINTENANCE**

Ambient Temp.	OPERATING HOURS					L70 (hours)
	0	25,000	50,000	TM-21-11 <sup>1</sup> 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

<sup>1</sup> 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.

