

DATE: _____ LOCATION: _____
 TYPE: _____ PROJECT: _____
 CATALOG #: _____

NRG[®] 4000

LUMASQUARE[®] II SERIES

FEATURES

- Designed for illumination of commercial indoor/outdoor lowbay applications
- luminaire provides a cost effective and capable lighting solution while saving energy and providing general illumination
- Saves 60-80% compared to traditional Metal Halide sources
- Die-cast housing provides rigid mounting and dissipates heat for long life
- 10% uplight to eliminate cave effect
- Typical mounting height up to 16ft
- Polycarbonate lens option for greater vandal resistance



SPECIFICATIONS

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

- Fixture available in 350 mA or 700 mA for increased lumen output
- 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

ELECTRICAL

- 10KA surge suppressor is included
- Two 0-10V dimming drivers, 120-277V, 50/60 Hz
- Fixtures are designed for operating ambient temperature of -40°C to 40°C

CERTIFICATIONS

- Listed to UL1598 for use in wet locations

WARRANTY

- 5 year warranty

KEY DATA	
Lumen Range	3389-7727
Wattage Range	35-70
Efficacy Range (LPW)	82-127
Fixture Projected Life (Hours)	L70>672K
Weights lbs. (kg)	13.9 (6.3)

ORDERING GUIDE

Example: NRG-4-30L-U-3K-035-BL

CATALOG # _____

ORDERING INFORMATION

Series	# LEDs	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	BLT Black Matte Textured BLS Black Gloss Smooth DBT Dark Bronze Matte Textured DBS Dark Bronze Gloss Smooth GTT Graphite Matte Textured LGS Light Grey Gloss Smooth PSS Platinum Silver Smooth WHT White Matte Textured WHS White Gloss Smooth VGT Verde Green Textured
					Color Option
					CC Custom Color

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
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.

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	0.98	0.96	0.96	0.94	>672,000
40°C / 104°F	0.99	0.96	0.95	0.94	0.92	>539,000

ELECTRICAL DATA

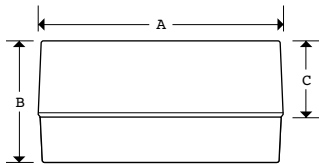
# OF LEDs	Number of Drivers	Drive Current (mA)	Input Voltage (V)	Oper. Current (Amps)	System Power (W)
30	1	350mA	120	35	0.59
			277	35	0.27
	2	700mA	120	70	1.19
			277	71	0.58

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).

DIMENSIONS



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

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