

Night Owl 3

Security / NEMA Head Lighting

Assembled in the USA using domestic & foreign components.



Description

The NO3 "Night Owl" is an LED energy saving cost-effective solution to replace 100 and 250 watt HID (HPS & MH) NEMA Heads.

Construction

- Heavy duty die-cast aluminum housing
- Corrosion resistant (stainless steel) hardware
- Tool less entry
- Three (3) station terminal block accepts up to #6 AWG
- Mounting is adjustable for arms from 1-1/4" to 2" NPS (1.625" to 2.375" O.D.)
- 3G vibration rated (ANSI C136.31)
- IP66 rated optical chamber
- Self-cleaning heat sink

Electrical

- Driver power factor > 0.9
- Driver THD < 20%
- Driver voltage 120-277V (50/60Hz)
- 0-10V dimming is standard with 7-pin photo control receptacle
- Electronic driver has an expected life of 100,000 hours at 25°C ambient.
- NEMA 7-pin twist lock photo control receptacle
- Standard with 10kV surge protection (meets or exceeds ANSI/IEEE62.41)
- Optional 20kV surge protection
- Suitable for ambient temperatures from -40°C to +40°C

Project:	
Catalog#:	
Approved by:	

Features

To access the driver compartment, surge suppressor, terminal block and mounting brackets; there is a tool less entry door that opens from the bottom side of the housing. The optical compartment is IP66. An optional tool-less refractor is available with or without a glare shield. The casting has integral tilt-adjustment steps ± 5 degrees, standard seven (7) pin photo control receptacle and two bolt mounting that accepts 1-1/4" to 2" tenon arms.

Optical

- IP66 rated optics enclosure
- Standard 4000K CCT (optional 3000K)
- 70+ CRI
- Tool less, rotatable, Type III or Type V light distributions
- No uplight
- Optional tool-less drop acrylic lens
- Optional glare shield that can be field installed, tool-less, to the drop acrylic lens.

Physical

- Dimensions: (L) 19" x (W) 10" x (H) 5"
- Weight: 7.2 lbs
- EPA: 0.42

Non Stocked Options (Contact Factory for Lead Time)

- DALI, 120-277V driver

Certification Ratings

- 3G vibration rated (ANSI C136.31)
- IP66 rated optical enclosure (per ANSI C136.25-2009)
- LM79/LM80 compliant
- RoHS compliant

Accessories

- Mounting arms
- Prewiring
- Long-Life photocontrol or shorting cap
- Drop refractor with or without glare-shield
- Glare-shield (requires a drop refractor, NO3-D)



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Ordering Information									
Model	Nominal Wattage	Driver	Optics	CCT	Paint	Surge Protection	Photocontrol Receptacle	Controls	Factory Installed Options
NO3	—	—	35	—	U	—	P7	—	—
NO3: Night Owl 3	A: 30W, 4,750 lm B: 40W, 5,800 lm C: 50W, 7,100 lm D: 60W, 8,300 lm E: 70W, 9,600 lm F: 80W, 10,850 lm G: 90W, 12,000 lm	MV*: 120-277V w/ 0-10V dimming ML: DALI 120-277V	35*: Type III and Type V <i>Optics preset to type V at the factory</i>	3: 3000K 4*: 4000K	U*: Bare Aluminum	1*: 10kV, 5kA 2: 20kV, 10kA	P7*: 7-Pin NEMA Photocontrol Receptacle	N*: No Controls S: Shorting Cap 1: Black long-life, fail-on photocontrol 2: Black long-life, fail-off photocontrol 3: Green long-life, fail-on photocontrol 4: Green long-life, fail-off photocontrol	Blank*: No options 1: 18", 1-1/4" diameter AL arm w/ hardware 2: 24", 1-1/4" diameter AL arm w/ hardware 3: 30", 1-1/4" diameter AL arm w/ hardware 8: Prewired w/ 3 pcs 60" 14AWG solid CU, BK-WH-GN A: Adjustable Output Unit† D: Detachable drop refractor (field installed, tool less) DG: Detachable drop refractor with glare shield (field installed, tool less) PK1: Packaged Kit 1; 24" arm w/ hardware, and 60" prewire PK3: Packaged Kit 3; 24" arm w/ hardware, 60" prewire, and Adjustable Output Unit†

*Default settings at factory. †UL Pending.

Performance Data and BUG Rating

Model	Configuration	Optics	Nominal Wattage (W)	3000K CCT		4000K CCT	
				Lumens	B-U-G	Lumens	B-U-G
NO3	A	III	30	4,770	1-0-1	4,750	1-0-1
		V	30	4,760	3-0-1	4,790	3-0-1
	B	III	40	5,840	1-0-1	5,810	1-0-1
		V	40	5,830	3-0-1	5,860	3-0-1
	C	III	50	6,990	2-0-1	7,110	2-0-1
		V	50	6,980	3-0-1	7,020	3-0-1
	D	III	60	8,300	2-0-1	8,380	2-0-1
		V	60	8,290	3-0-2	8,330	3-0-2
	E	III	70	9,580	2-0-2	9,630	2-0-2
		V	70	9,560	3-0-2	9,610	3-0-2
	F	III	80	10,820	2-0-2	10,830	2-0-2
		V	80	10,810	3-0-2	10,870	3-0-2
	G	III	90	12,040	2-0-2	12,000	2-0-2
		V	90	12,100	4-0-2	12,060	4-0-2

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Accessories (field installed, tool less)

N03-D: Detachable Drop Refractor



N03-DG: Detachable Drop Refractor w/ Glare Shield

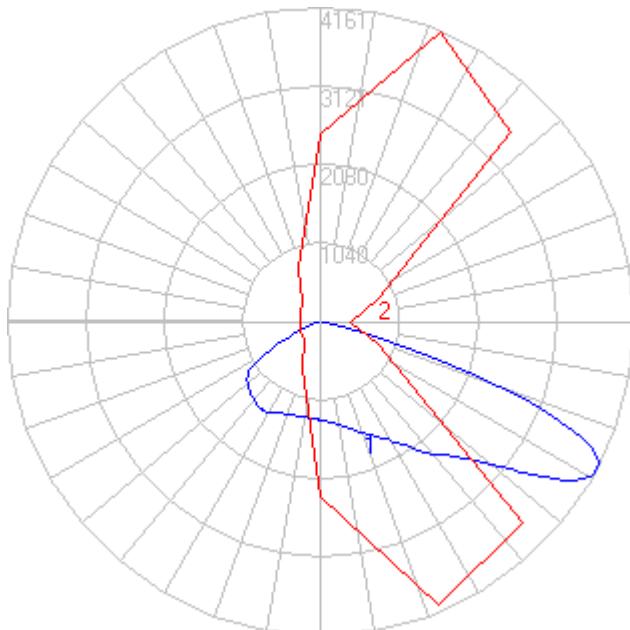


N03-GS: Glare Shield (compatible with N03-D)

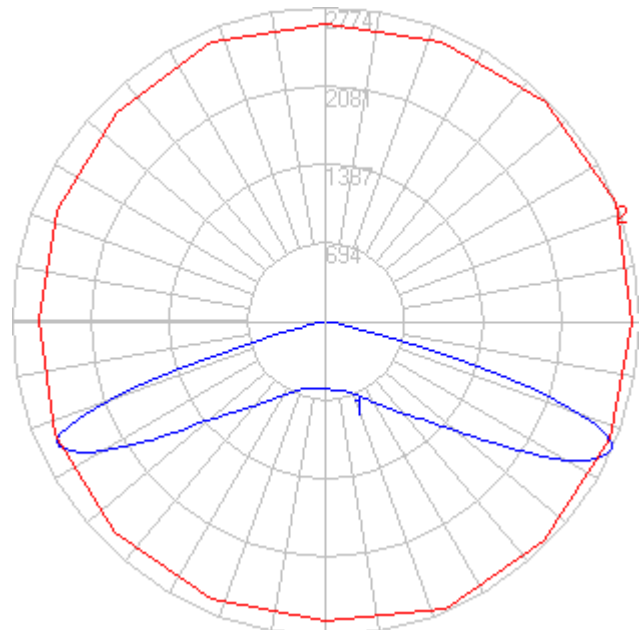


Photometric Performance

N03C Type 3 Optics



N03C Type 5 Optics



#1 Vertical plane through horizontal angles (through max. Cd.)
 #2 Horizontal cone through vertical angle (through max. Cd.)

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Adjustable Output Unit (optional)

AOU is easily adjusted with a flat-blade screwdriver. The unit consumes no standby power and can be removed to convert the luminaire to standard 0-10V dimming. This allows maintenance departments to carry less inventory through reduced number of unique models. The unit can be utilized to achieve as high as 152LPW.

Base Model	AOU Position	System Watts	Delivered Lumens (±5% typical value)
NO3-C	1	18	2,700
	2	24	3,600
	3	30	4,500
	4	36	5,300
	5	42	6,100
	6/7/8	50	7,100
NO3-G	1	30	4,500
	2	42	6,100
	3	52	7,300
	4	63	8,600
	5	75	10,000
	6/7/8	90	12,000

