

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)



Night Owl 3

Security / NEMA Head Lighting

Assembled in the USA using domestic & foreign components.

Project:	
Catalog#:	
Approved by:	

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, 4,770 lm B: 40W, 5,880 lm C: 50W, 7,110 lm D: 60W, 8,900 lm E: 70W, 10,060 lm F: 80W, 11,120 lm G: 90W, 12,100 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.

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	4,770	1-0-1
		V	30	4,770	3-0-1	4,770	3-0-1
	B	III	40	5,880	1-0-1	5,880	1-0-1
		V	40	5,880	3-0-1	5,880	3-0-1
	C	III	50	7,110	2-0-1	7,110	2-0-1
		V	50	7,110	3-0-1	7,110	3-0-1
	D	III	60	8,900	2-0-1	8,900	2-0-1
		V	60	8,900	3-0-2	8,900	3-0-2
	E	III	70	10,060	2-0-2	10,060	2-0-2
		V	70	10,060	3-0-2	10,060	3-0-2
	F	III	80	11,120	2-0-2	11,120	2-0-2
		V	80	11,120	3-0-2	11,120	3-0-2
	G	III	90	12,100	2-0-2	12,100	2-0-2
		V	90	12,100	4-0-2	12,100	4-0-2

Night Owl 3

Security / NEMA Head Lighting

Assembled in the USA using domestic & foreign components.

Project:	
Catalog#:	
Approved by:	

Accessories (field installed, tool less)

NO3-D: Detachable Drop Refractor



NO3-DG: Detachable Drop Refractor w/ Glare Shield

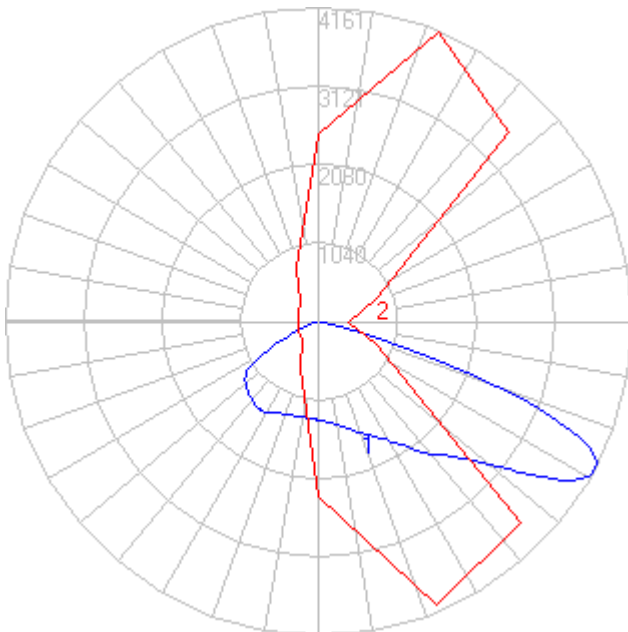


NO3-GS: Glare Shield (compatible with NO3-D)

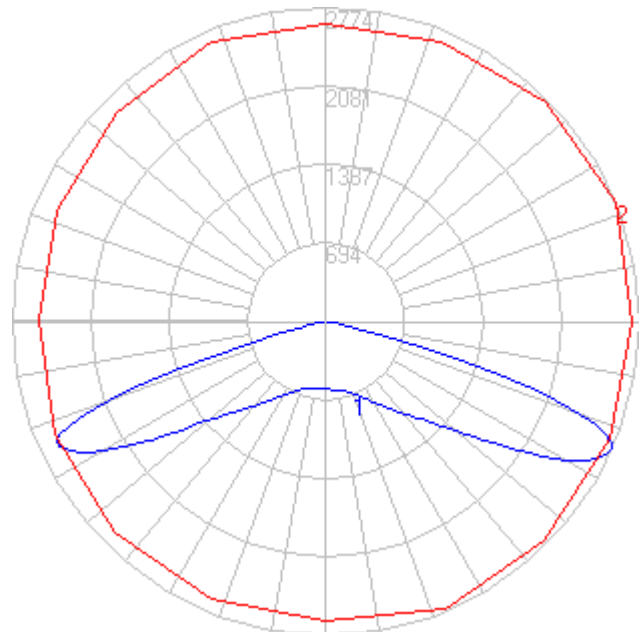


Photometric Performance

NO3C Type 3 Optics



NO3C Type 5 Optics



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

Night Owl 3

Security / NEMA Head Lighting

Assembled in the USA using domestic & foreign components.

Project:	
Catalog#:	
Approved by:	

Adjustable Output Unit (optional)

AOU is used to lower the fixture's light output and wattage. It can be easily adjusted with a flat-blade screwdriver. Approximate lumen and wattage values are shown in the tables below. 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.

Base Model	AOU Position	System Watts	Delivered Lumens (±5% typical value)
NO3-C	1	18	2,700
	2	24	3,600
	3	30	4,800
	4	36	5,300
	5	42	6,100
	6/7/8	50	7,100
NO3-G	1	30	4,800
	2	42	6,100
	3	52	7,300
	4	63	9,200
	5	75	10,600
	6/7/8	90	12,100

