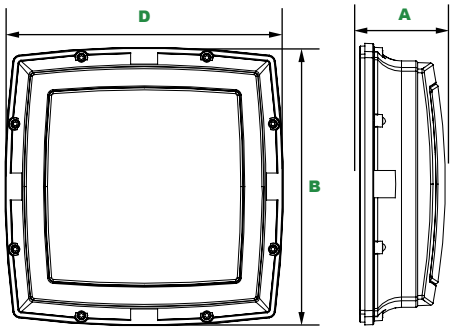
NHL-ROS

L70 25°C — **187,000 Hours**

Square Bulkhead Open Frame



Dimensions	
Width (D)	12½″ (318mm)
Length (B)	12½″ (318mm)
Height (A)	$3^{15}/_{16}$″ (100mm)

The NHL-ROS Square Bulkhead is designed to replace HID lighting systems up to 100w MH or HPS. The open door frame allows for maximum light output. Typical applications include office and public buildings, condominiums, schools, shopping malls, and hospitality. Recommended mounting heights are 8 to 20 feet.

Specifications and Features:

Housing:
Die Cast Gasketed Aluminum Open Front Frame and Housing with Integral Heat Sinking and Driver Compartment. Nickel-Plated Stainless Steel Hardware. Photocell Adaptable.

Listing & Ratings:
CSA: Listed for Wet Locations, ANSI/UL 1598, 8750; IP66 Sealed LED Compartment.

Finish:
Textured Architectural Bronze Powdercoat Finish Over a Chromate Conversion Coating. Custom Colors Available Upon Request.

Lens:
SoftLED LumaLens Polycarbonate Opal Vandal-Resistant Lens Eliminates LED Hot Spots

Mounting Options:
Surface Mount

Wattage:
Array: 17w, System: 19.7w; (100w HID Equivalent)

Driver:
Electronic Driver, 120-277V, 50/60Hz; Less Than 20% THD and PF>0.90. Standard Internal Surge Protection 2kV. 0-10V Dimming Standard for a Dimming Range of 100% to 10%; Dimming Source Current is 150 Microamps.

Controls:
Fixtures Ordered with Factory-Installed Photocell or Motion Sensor Controls are Internally Wired for Switching and/or 1-10V Dimming Within the Housing. Remote Direct Wired Interface of 1-10V Dimming is Not Implied and May Not Be Available, Please Consult Factory. Fixtures are Tested with LEPG Controls and May Not Function Properly With Controls Supplied By Others. Fixtures are NOT Designed for Use with Line Voltage Dimmers.

Warranty:
5-Year Warranty for -40°C to +50°C Environment.

See Page 2 for Projected Lumen Maintenance Table.

Order Information Example: WPR25OFQF1X17U5KLZSF

NHL-ROS	F	1X17	U		L		
Model	**Optics**	**Wattage**	**Driver**	**CCT**	**Lens**	**Color**	**Options**
NHL-ROS= Square Bulkhead Open Frame	**F**=Type IV	**17W**=1x17w	**UNV**=120-277V	**40K**=4000K **50K**=5000K	**L**=SoftLED LumaLens Opal Polycarbonate Array Lens	**Z**=Bronze **W**=White **CC**=Custom (Consult Factory)	**SF**=Single Fuse **DF**=Double Fuse **SP**=Surge Protector **PC**=Button Photocell, 120-277VAC **PENPC**=Pencil Photocell, 120-277VAC **S2**=Microwave Sensor with Dimming for Mounting Heights of 8 to 40′ (120-277V Only) **EM**=Battery Backup, 90 Minutes

Project Information:

Project Name: _____ Fixture Type: _____

Complete Catalog #: _____ Date: _____

Comments: _____

Certification & Listings:

IP66 SoftLED

Specifications subject to change without notice. Rev. 010919

New Horizon Lighting
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9 Gladney Avenue
Bayville, NJ 08721

www.newhorizonlighting.com

New Horizon Lighting products reduce operating costs while delivering high efficiency lighting. NHL products are built in the USA and are available or through leading national distributers.

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Square Bulkhead Open Frame

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Accessories & Replacement Parts:

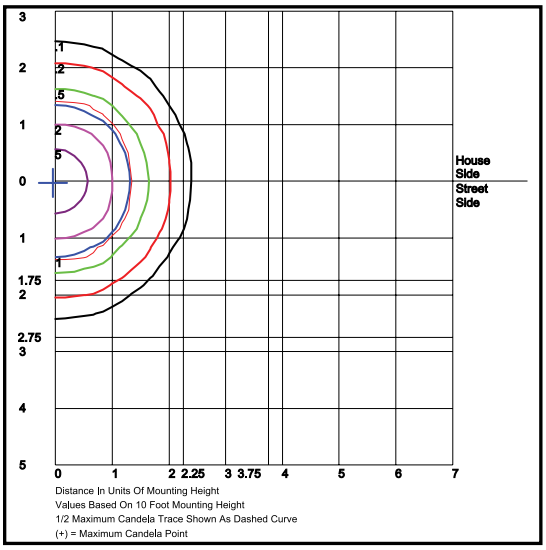
PC

PENPC

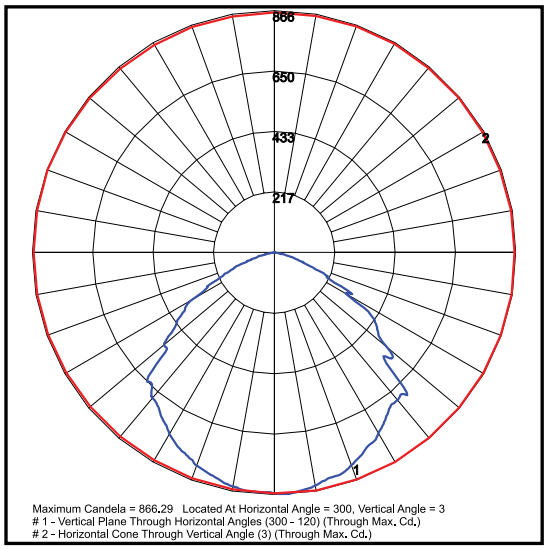
P17117

Replacement Parts (Order Separately, Field Installed)	
PC	120-277VAC Button Photocell
PENPC	120-277V, 50/60Hz Pencil Photocell
P17117	Internal Microwave Sensor with Dimming for Mounting Heights of 8 to 40'. 120-277VAC, 50/60Hz.
For Replacement Battery Backup, see the LED Battery Backup Specification Sheet.	

Photometric Data



NHL-ROS-F-17W-UNV-50K
Type IV
Grid in MH
MH=10 Feet



NHL-ROS-F-17W-UNV-50K
Type IV

Photometric Performance

				5000 CCT 80 CRI					4000 CCT 80 CRI				
LED Board Watts	Drive Current (mA)	Input Watts	Optics	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
LED 17w	525	20	Type IV	2,263	113	0	4	2	2,173	109	0	4	2

Projected Lumen Maintenance

Data shown for 5000 CCT			Compare to MH			
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L70@ 25°C
L70 Lumen Maintenance @ 25°C / 77°F	20	1.00	0.96	0.92	0.84	187,000
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L70@ 50°C
L70 Lumen Maintenance @ 50°C / 122°F	20	1.00	0.96	0.91	0.82	113,000
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L80@ 40°C
L80 Lumen Maintenance @ 40°C / 104°F	20	1.00	0.94	0.89	0.77	88,000

NOTES:
1. Projected per IESNA TM-21-11. Data references the extrapolated performance projections for the 525mA base model in a 25°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.
2. Compare to MH box indicates suggested Light Loss Factor (LLF) to be used when comparing to Metal Halide (MH) systems.

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