

PHOENIX LIGHTING

HEAVY DUTY LED LIGHTING FIXTURE – HDL-LED Series



HDL-1-UNIV-DP-SM – One Circuit Board with 120-277V, 50-60Hz, Diffused Polycarbonate Lens and a surface/conduit mount.

HDL-2-UNIV-DP-SM – Two Circuit Boards with 120-277V, 50-60Hz, Diffused Polycarbonate Lens and a surface/conduit mount.

HDL-3-UNIV-DP-SM – Three Circuit Boards with 120-277V, 50-60Hz, Diffused Polycarbonate Lens and a surface/conduit mount.

The HDL has been designed to replace linear fluorescent fixtures and up to 400W HID floodlights using marine grade construction and a potted driver. It is ideal for applications that require hazardous ratings. LED technology increases efficiency, eliminates maintenance and supports green initiatives.

Construction	Marine grade, extruded aluminum housing Marine grade, die cast aluminum end plates
Finish	Anodized finish on extruded parts Thermoset powder coat paint on die cast parts
Hardware	Marine grade (316) stainless steel
Lens	Diffuse polycarbonate (DP) - standard Clear polycarbonate lens (CP) accessory kit available
Light Source	Nichia NF2W757GRT light emitting diodes (LED) HDL1 - 28W, 2850 lumens HDL2 - 55W, 5700 lumens HDL3 - 83W, 8550 lumens CCT 5000K 50,000 hour rated life
Power source	120-277V, 50-60Hz (UNIV) - standard Fully potted Replaceable
Power factor	> 0.9 at 120V
Surge protection	20kV/kA
Wiring	Wire leads standard (connectors accept up to 12 AWG wire) 5 ft lead with 277V twist lock plug (TL-277) accessory available
Through wiring	Standard fixture is designed for continuous row mounting
EMB	Input power 120-277V, 50/60Hz 90 minute run time Approximately 1100 lumens 7 to 10 year battery life expectancy
Ambient operating temperature	-40°C to +50°C (non-EMB units) 0°C to +40°C (EMB units)
Mounting	Threaded plug and two cord grips provided accept cord diameters 0.25-0.375 inch Surface/conduit mount (SM) with 1/2 inch NPT outlets standard Retrofit mounting brackets for Phoenix LFSB or RSL fixtures sold separately Harp Kits sold separately
Weight	HDL1 - 6.5 lb (3.0 kg) HDL2 - 11.0 lb (5.0 kg) HDL3 - 14.0 lb (6.4 kg)
Warranty	5 years

Compliances:

ETL/cETL Certified to:

- UL 1598 Suitable for Wet Locations
- UL 1598A Marine Outside Type (Saltwater)
- UL 844 Hazardous Location
Class I, Division 2 Groups A, B, C, D
Class I, Zone 2 Group IIC
T4A, 120°C maximum surface temperature
- CSA C22.2 No. 250.0
- CSA C22.2 No. 137

CE

ABS

IP67 rated

LM79 and LM80 reports available

Dimensions:

Width: 6.08" (154mm)

Height: 4.36" (111mm)

Length: HDL1 – 12.13" (308mm)

HDL2 – 22.50" (572mm)

HDL3 – 33.00" (838mm)

Options and Accessories:

Emergency Battery Backup

Retrofit Bracket for LFSB to HDL1

Retrofit Bracket for RSL to HDL1

Retrofit Bracket for LFSB to HDL2 & HDL3

Retrofit Bracket for RSL to HDL2& HDL3

Clear Polycarbonate Lens Kit

Harp Kits