# MaxLite®
## HARSH & HAZARDOUS

PROJECT: _____ CATALOG #: _____ NOTES: _____ FIXTURE SCHEDULE: _____

# FLOOD CLASS I DIVISION 1 | HL-AR-D1 SERIES

## HAZLOC
### HARSH & HAZARDOUS

A rock star in rugged performance, the **Class I, Division 1 HL-AR-D1 SERIES** delivers high-quality illumination that meets the rigorous demands of **harsh and hazardous** environments, including oil rigs and petroleum refineries. Consuming 50% less energy than traditional HID fixtures, the marine-grade HL-AR-D1 flood light is built for maximum durability and reliability in operating temperatures of up to 60°C. The fixture can be ceiling or wall mounted to address a variety of area lighting needs. A 2-3/8" tennon adaptor is also available.

12.91" (328mm)
9.21" (234mm)
6.93" (176mm)
10.66" (271mm)
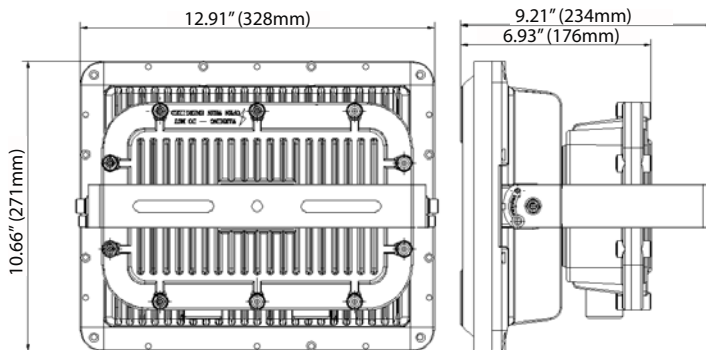
## CLASSIFICATIONS & RATINGS:
• Class I, Division 1, Groups C, D
• Class I, Division 2, Groups A, B, C, D
• Class II, Division 2, Groups F, G
• Marine Grade
• CSA C22.2, No. 250.0, No. 250.13, No. 137-M1981, No. 30-M1986 No. 25-1966
• See table on page 2 for Temperature Code and ambient temperature ranges

## ELECTRICAL:
• 9,600 lm to 18,245 lm

## CONSTRUCTION:
• Die cast ADC12 aluminum housing
• Tempered Glass, 19mm
• Polyester powder coat finish

## MOUNTING:
• Standard trunnion swivel mounting option allows for 0° - 180° adjustability
• 2-3/8" tennon adaptor available

| MODEL SELECTION | | Typical order example: HL-AR80UW-50G-D1 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **HL** | **-** | **AR** | | | **W** | **-** | **50** | **G** | **-** | **D1** |
| FAMILY | - | SUB FAMILY | NOMINAL WATTAGE, EQUIVALENCY | VOLTAGE | DISTRIBUTION | - | CCT | FINISH | - | CLASSIFICATION |
| HL= Hazardous Location | - | AR= Flood Light | 80= 80W, 175W MH Equivalency<br>100= 100W, 400W MH Equivalency<br>150= 150W, 400W PSMH Equivalency | U= 120-277V<br>H= 347-480V | W= 120°, wide distribution | - | 50= 5000K[1] | G= Gray, std. | - | D1= CID1 Explosion Proof Rated |

## Notes:
1. Custom CCTs available. Please contact your MaxLite representative for lead times and quantities.

# MaxLite®
## HARSH & HAZARDOUS

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| DLC QPL PREMIUM LISTED | CI D1 | CII D2 | HARSH LOCATION SUITABLE | MARINE-GRADE RATED | IP66 | c UL us LISTED |

| PROJECT: | CATALOG # | NOTES: | FIXTURE SCHEDULE: |
|---|---|---|---|

## FLOOD CLASS I DIVISION 1 | HL-AR-D1 SERIES

### ACCESSORIES:

| ORDER CODE | MODEL | DESCRIPTION | ACCESSORIES IMAGE |
|---|---|---|---|
| 1409664 | HL-ARTB | 2-3/8" Tennon Adaptor |  |

### SPECIFICATIONS:

| ITEM | SPECIFICATION | HL-AR80-D1 | HL-AR100-D1 | HL-AR150-D1 |
|---|---|---|---|---|
| | | DETAILS | | |
| GENERAL PERFORMANCE | Input Power (W) | 80 | 100 | 150 |
| | Lumens Delivered (lm) | 9,600 | 12,000 | 18,245 |
| | Efficacy (lm/W) | 120 | | |
| | CRI | > 70 | | |
| | Lumen Maintenance (L70, TM-21 @ 25°C) | ≥100,000 hours | | |
| | Color Temperature | 5000K standard, custom CCTs available | | |
| | Spacing Criteria | Available upon request | | |
| ELECTRICAL | Power Factor | ≥ 0.90 | | |
| | Input Voltage | 120-277V standard, 347-480V available | | |
| PHYSICAL | Housing | Die cast ADC12 Aluminum | | |
| | Lens | Tempered Glass, 19mm | | |
| | Weight | 33 lbs (15 kg) | | |
| | Humidity | 10% - 90% RH, non condensing | | |
| | Operating Temperature | -40°C - 60°C (-40°F - 140°F) | | |
| | Temperature Rating | T6 Rating | | |
| CERTIFICATION | Certification | DLC Premium, UL844, UL1598, UL1598A, FCC, LM79, LM80 | | |
| | Environment | IP66 | | |
| | Material Usage | RoHS compliant; no mercury | | |
| | Warranty | 5 years | | |

### ORDERING:

| ORDER CODE | MODEL | NOMINAL WATTAGE | INPUT VOLTAGE | CCT |
|---|---|---|---|---|
| 1409541 | HL-AR80UW-50G-D1 | 80W | 120-277V | 5000K |
| 1409542 | HL-AR80HW-50G-D1 | | 347-480V | |
| 1409543 | HL-AR100UW-50G-D1 | 100W | 120-277V | |
| 1409593 | HL-AR100HW-50G-D1 | | 347-480V | |
| 1409545 | HL-AR150UW-50G-D1 | 150W | 120-277V | |
| 1409546 | HL-AR150HW-50G-D1 | | 347-480V | |

*Please contact your MaxLite representative to order products that don't have order codes listed here.