# LED-DDAL 50 Watt LED Dusk-to-Dawn Security / Flood

| | |
|---|---|
| **Project:** | |
| **Type:** | |
| **Catalog #:** | |

***STANDARD***

The LED-DDAL dusk-to-dawn security/flood light is an ideal solution for general site and flood lighting in commercial and residential settings. With a die cast aluminum housing and a fluted, polycarbonate lens shield to reduce glare, the LED-DDAL provides effective, economical security lighting. High-efficacy, long-life LEDs provide both energy and maintenance cost savings compared to traditional, incandescent and HID security/flood lights.

## FEATURES

- *Available in 5000k (cool white) color temperature.**
- *Long-life LEDs provide 55,000 hours of operation with at least 70% of initial lumen output ($L_{70}$).***
- *Delivers 5,027 lumens and 99 lumens per watt.**
- *Universal 120-277 AC voltage (50-60Hz) is standard.*
- *Power factor > 0.90.*
- *Total harmonic distortion < 20%.*
- *Color rendering index > 80.*
- *Die cast aluminum housing.*
- *Fluted, polycarbonate lens shield to reduce glare.*
- *NEMA-type photocell and mounting arm are included.*
- *Easy installation in new construction or retrofit.*

NEMA-Type Photocell

** Contact factory for other color temperatures and lumen packages.*
*** $L_{70}$ hours are IES TM-21-11 calculated hours.*

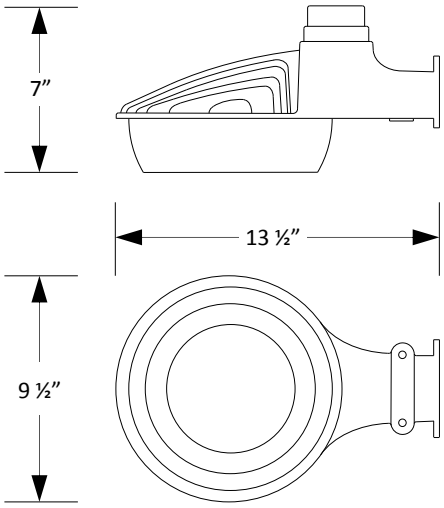
## WARRANTY & LISTINGS

- *cULus listed for wet locations (-20°C to 40°C / -4°F to 104°F).*
- *DLC approved.*
- *Complies with FCC Part 15, Class B.*
- *5-year warranty on all electronics and housing.*

## MOUNTING OPTIONS

- *Wall-mount attachment is standard.*
- *Extruded aluminum extension arm (15" height, 13" width, 1 ⅝" diameter) is also standard.*

## DIMENSIONS




## ORDERING INFORMATION

| Model | Luminaire Watts | Luminaire Lumens | Lumens Per Watt | Color Temperature |
|---|---|---|---|---|
| LED-DDAL50W-5K | 51 | 5,027 | 99 | 5K = 5000k |

# LED-DDAL 50 Watt LED Dusk-to-Dawn Security / Flood

## ELECTRICAL

| Model | Color Temperature | CRI [1] | Luminaire Lumens | Luminaire Watts | Lumens Per Watt | Input Voltage | Input Current (A) | | | Power Factor | THD [2] | $L_{70}$ Hours [3] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | 120V | 240V | 277V | | | |
| LED-DDAL50W-5K | 5000k | > 80 | 5,027 | 51 | 99 | 120-277 (50-60Hz) | 0.43 | 0.21 | 0.18 | > 90% | < 20% | 55,000 |

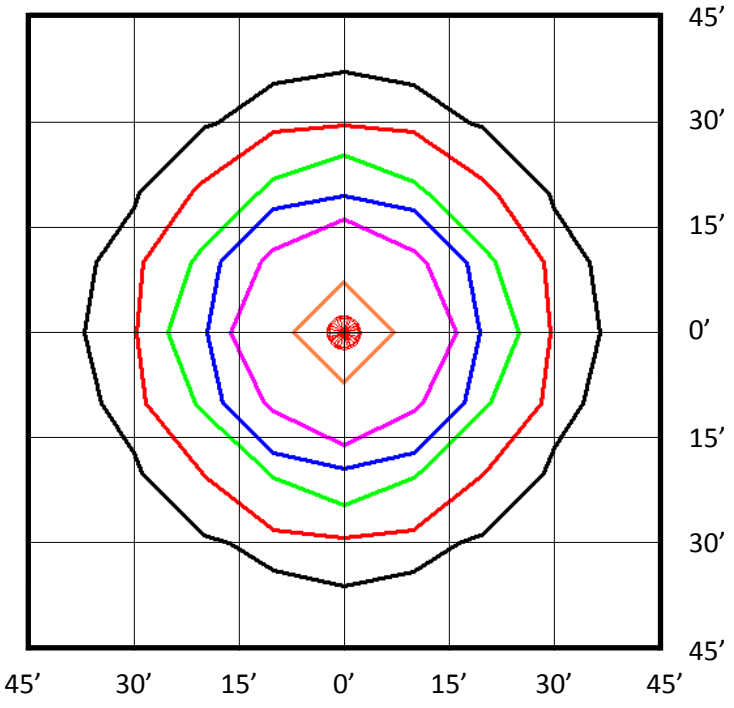
[1] Color rendering index

[2] Total harmonic distortion

[3] $L_{70}$ refers to the number of hours at which lumen output declines to 70% of the initial level. $L_{70}$ hours are IES TM-21-11 calculated hours.

## PHOTOMETRIC DATA

### LED-DDAL50W-5K (5,027 Lumens)




**BUG Rating: B2-U2-G1**

| Zone | | Lumens | % |
|---|---|---|---|
| FL | - Front - Low (0-30) | 728 | 14% |
| FM | - Front - Medium (30-60) | 1,299 | 26% |
| FH | - Front - High (60-80) | 361 | 7% |
| FVH | - Front - Very High (80-90) | 86 | 2% |
| Total Forward Light | | 2,474 | 49% |
| BL | - Back - Low (0-30) | 732 | 15% |
| BM | - Back - Medium (30-60) | 1,314 | 26% |
| BH | - Back - High (60-80) | 368 | 7% |
| BVH | - Back - Very High (80-90) | 88 | 2% |
| Total Back Light | | 2,501 | 50% |
| UL | - Up Light - Low (90-100) | 29 | 1% |
| UH | - Up Light - High (100-180) | 23 | 0% |
| Total Up Light | | 52 | 1% |
| Total Lumens | | 5,027 | 100% |

**Notes:**

- *Isofootcandle plots depict initial footcandles at grade.*
- *Gridlines represent units of mounting height of 15 feet.*