

# Dialight



## Dialight® LED Area Light

Product Brochure - UL

## Cost-Effective

Low maintenance integrated design, high efficiency, and an industry leading warranty equal significant time and cost savings.



## Sustainable

A strategic focus on environmentally friendly LED technology and a commitment to helping all organizations, including our own, reach corporate sustainability goals.



## Convenient

Fixtures deliberately designed with no field replacement parts for the lifespan of the fixture and easy retro-fit kits to make installation and maintenance turn-key.



## Safe

Solutions designed for the world's most demanding industrial environments. Fully integrated designs and extensive testing ensure that you can count on our solutions every minute of the day.



## Intelligent

Controlled lighting solutions that can seamlessly integrate with existing factory automation and building management systems to conveniently optimize work site safety and productivity.



## Trusted

Deep expertise exclusively in LED lighting technology and decades of experience as a partner to many of the world's leading organizations has helped us achieve the largest installed base of industrial LED fixtures in the world.



## Dialight's Industry Leading 5, 7 and 10 Year Warranties

At Dialight, we take great pride in the design and robust engineering of our products. We deeply understand the harsh environments that our customers depend on our fixtures to illuminate each day. That's why our fixtures are built specifically for longevity in these conditions.

We are the only industrial LED lighting supplier with fully-integrated products built for industrial applications, featuring custom in-house power supplies designed for long-life with superior temperature tolerance, vibration resistance and built-in surge protection. Additionally, our sealed fixtures prevent moisture and contaminants from causing failures or reducing lifespan.

We stand behind our industry leading warranties with proven real-world results in the world's most challenging environments and extensive quality control testing. Additionally, whilst some other manufacturers may require a minimum threshold of 10% or more of LED components to fail in order for a product to be defective, we do not require this because the safety and productivity of your work site is of paramount importance to us.

To learn more about our warranties, please visit [www.dialight.com](http://www.dialight.com)

**NEW &  
IMPROVED**

## **Vigilant Area Light**

*The most efficient & versatile heavy industrial  
LED Area Lighting system on the market!*

### *Featuring:*

- 10 year warranty
- Up to 143 lm/W
- 100-277V AC, 50-60 Hz / 120-250V DC power supply
- 3,000 - 9,000 lumens
- Indoor, outdoor and hazardous areas
- Easy installation retro-fit options available
- 3 optical patterns: 180°, 360°, wide (oval)
- 80 CRI
- CCT: 5000K, 4000K & 2700K
- 0-10V dimming down to 5%
- Ideal for 10' (3m) to > 20' (6m) mounting heights

Dialight's LED Area Light delivers class-leading energy efficiency, functionality and dependability for superior performance in a wide range of applications in the most demanding environments. Designed around Dialight's exclusive purpose-built power supply for long-lasting reliability, the Dialight Area Light provides maintenance-free lighting you can count on with unmatched visual clarity for maximum savings and safety.

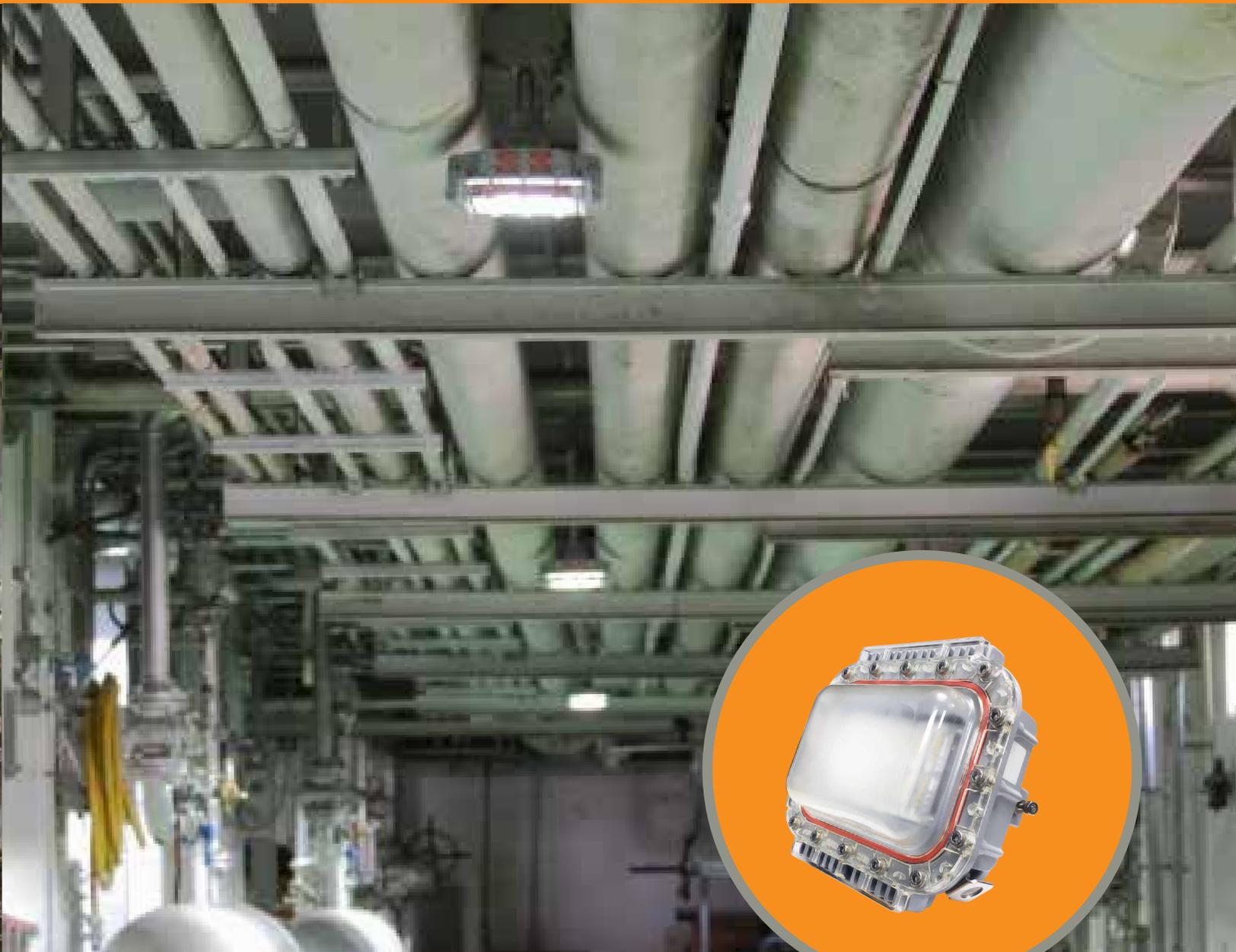




## Vigilant® Area Light - All-Purpose Lighting

Combining precision optics with ultra-high-efficiency output, the Vigilant Area Light delivers maximum lighting efficacy and at least 50% reduction in energy use and cost compared to traditional HID and high pressure sodium sources. Vigilant's high-durability, corrosion-resistant housing, improved color rendering LEDs and unique AC/DC power supply are all backed by Dialight's 10 year warranty.

- 360°, 180° & wide precise optics enable 1-for-2 replacement of conventional HIDs
- Wide range of mounting brackets for fast & easy installation
- Stainless steel hardware, including secondary retention tabs for added installation security



## SafeSite® Area Light - Hazardous Area Lighting

Providing the longest-lasting, most widely certified hazardous location Area Light in the industry, the SafeSite Area Light tolerates the harshest conditions and virtually eliminates maintenance to improve site efficiency and safety. Covered by Dialight's 5 and 10 year warranties (as applicable), the SafeSite Area Light offers superior safety and durability for oil and gas, chemical, mining, offshore, particulate and other volatile environments.

- Same great performance & features as the Vigilant, plus:
- Fully potted and factory sealed
- Up to T5 ambient temperature rating
- Hazardous certifications = UL844, CID1, CID2, CII, CIII



## Specialty Voltage Lighting

Dialight offers specialty voltage options in both SafeSite and DuroSite models. Offering a unique solution for both 347-480V AC and 24-48V DC applications, the SafeSite and DuroSite Area Light offers the same performance, reliability, optics and energy efficiency expected from a Dialight fixture. These models eliminate the need to rewire—simply install Area Lights in existing circuits saving time and money on retrofit installations.

- Most flexible product offering of 24-48V DC and 347-480V AC models
- DC models for solar, wind, battery and generator-powered use
- Hazardous location certification for heavy industrial & hazardous environments
- Shock and vibration resistant & IP66/67 rated
- 5 year warranty

## Universal Mounting Adapters



Dialight's innovative Universal Mounting Adapter (UMA) simplifies installation to save time and money while improving safety. Our integrated hinge-style bracket system comes pre-installed, allowing installers to simply mount the bracket to the wall, ceiling or stanchion, where it hangs safely in place while the installer makes electrical connections. After installation, the sealed wiring compartment protects those connections against dust and moisture ingress.

This unique UMA system can be purchased with the fixture and the mounting adapter hub factory installed, or separately, which eliminates the need to stock multiple mounting systems.

## Bracket Options



**Wall Mount**  
HZXW01



**45° Wall Mount**  
HZXW45



**45° Stanchion Mount**  
HZXS45



**34mm Slip-fit Pole Mount**  
HZXCV34

## Retro-fit Adapters

Similar to the Universal Mounting Adapters, Dialight also offers the most retrofit adapters in heavy industrial applications of any manufacturer in the industry for fast and simple upgrade to the Dialight LED Area Light from virtually any existing system.



GE Lighting Solutions – Filtr-Gard™  
HZXTHGE

Holophane® Petrolux II, III  
HZXTHP3

Thomas & Betts Hazlux®  
HZXHTB



Appleton® Mercmaster III  
HZXTHAP

Appleton® Mercmaster II  
HZXTHM2

Killark® Certilite® & Certilite® V  
HZXTHKL



Eaton's Crouse-Hinds – Champ®  
HZXTHCH



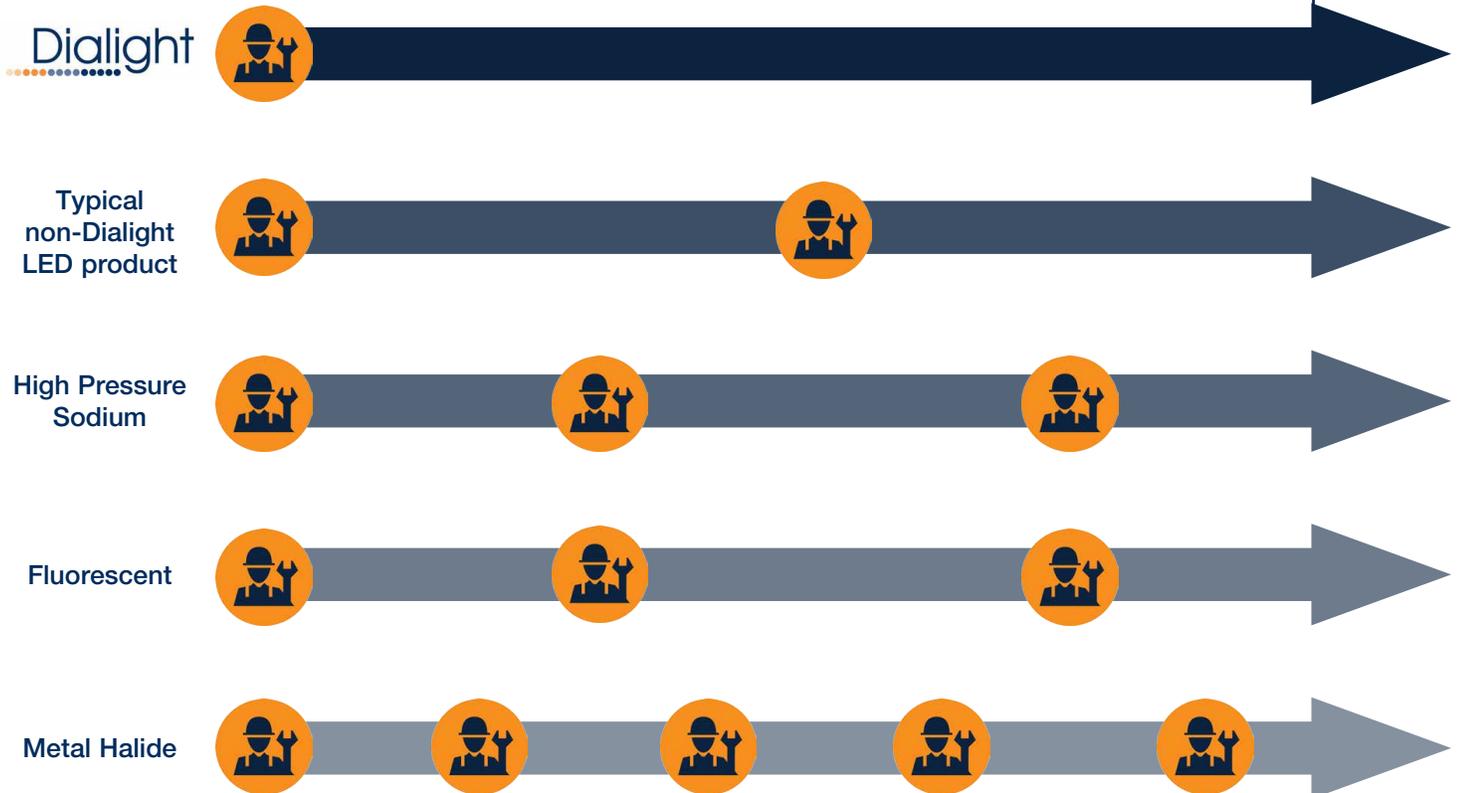
## Certifications

Designed for durability in the widest range of applications and harshest conditions, the Dialight Area Light is certified to the broadest range of standards, including hazardous location, ingress and durability. **Certifications may vary by model/part number.**

- UL 1598/A
- CID1, CID2, CIID1, CIID2, CIII
- CSA C22.2 No.137-M81
- CE, ENEC, RCM
- ATEX/IECEX Zone 1, 21 and Zone 2, 21, 22
- IP66, IP67, IP69
- NEMA 4X
- ASTM B117 3,000 hr. salt-spray corrosion resistance
- DLC Premium classification
- INMETRO
- ABS
- DNV

## Maintenance Comparison

10 years



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All values are design or typical values when measured under laboratory conditions. All information provided is accurate as of the date of publication, is subject to change without notice and does not form part of any contract with Dialight.

The lighting efficiency statements contained herein are calculated on a lumen per watts basis when comparing fixtures with similar features.

The energy saving statements contained herein are based on a comparison between Dialight LED Area Light 66W, 9000 lumen fixture replacing 150W, 250W, or 400W HID fixtures.

Dialight reserves the right to make changes at any time in order to supply the best product possible. The most current version of this document will always be available at:  
[www.dialight.com/Assets/Brochures\\_And\\_Catalogs/Illumination/MDTFH-ZHAZX001.pdf](http://www.dialight.com/Assets/Brochures_And_Catalogs/Illumination/MDTFH-ZHAZX001.pdf)

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