



THE WORLD'S HIGHEST PERFORMING
INDUSTRIAL LED LIGHTS



MINING

CONSTRUCTION

INDUSTRIAL

MARITIME

DarkLight

Our Glare Free Lighting brand Standard Features

Dark Licht fixtures feature a patented parabolic reflector for superior, glare-free illumination in industrial and area lighting applications.

- **Glare Free & Highly Efficient Reflector System**

Powerful LED light sources are discreetly positioned behind the reflector system, rendering them invisible and glare-free outside the field of view. Dark Licht luminaires are designed to direct light downward, while a sophisticated reflector system pushes the light forward, eliminating any unnecessary glare.

- **Glare Free Lighting is:**

- **Safer Lighting**

Glare from poorly designed LED light sources can impair the vision of drivers, even causing temporary blindness, causing a road safety hazards. Glare-free Dark Licht fixtures minimize dangerous nighttime driving situations.

- **Environmentally Friendly Lighting**

With unparalleled ability to control light trespass and glare, Dark Licht luminaires creates minimal light pollution.

- **Dark Sky Compliant Lighting**

Dark Licht fixtures ordered with low-CCT LEDs have been shown to comply with the most stringent Dark Sky specifications, including the new DS-1 specification.

- **Economical Lighting**

Because of the inherent efficiency of Dark Licht series luminaires, all the available photons are directed precisely to its intended destination. This functional efficiency enables designs that require fewer luminaires to light a given site to a given level allowing for reduced energy of as much as 30-50%, when compared to conventional area lighting fixtures.

Lighting accessories and controls built with precision and durability.

In addition to our fixtures DCbright has developed a series of crane-based lighting accessories, self-stabilizing brackets and tower crane brackets for complete construction site support. Additionally, DCbright has also developed a mobile app-based lighting control system, to efficiently manage lighting operations across the entire worksite.



1. Parabolic reflectors and glare-free optics
2. Modular Rotating Reflectors move in both directions by 90° to completely alter the light distribution of the fitting
3. Adjustable Full Cut-Off Enables modification of the forward asymmetric light distribution from 63° to 75°

Dark Licht fixtures also provide uniform, glare-free illumination for applications like sports fields with incredibly sharp cut-offs and accurate color rendering to enhance visibility and safety.

DCbright Dark Light

Glare-free Lighting



A revolutionary design, meticulously engineered to deliver uniform, glare-free illumination with virtually no spillover.

Eliminate glare for better visibility

Powerful LEDs are hidden within a deep parabolic reflector, ensuring no visible light outside the full cut-off optic, both front and rear.

Customized lighting for every application

Forward throw can be adjusted from 63° to 75° before installation to perfectly suit the lighting needs.

Maximize efficiency and reduce energy costs

The high performance LEDs and patented reflector design deliver up to 160 lumens per watt along with unparalleled uniformity, which allows greater inter-fixture spacing.

Adaptable light distribution for any space

Square parabolic reflector modules rotate 90° in both directions, allowing you to completely alter the light distribution.



DCbright Dark Light

Glare-free Area Lighting 51K-288K lm



DCbright Dark Light: DL1

Dark Light is a revolutionary lighting technology that leverages DCbright's patented parabolic reflector technology to deliver glare-free lighting, with sharp adjustable cut-offs to eliminate spillover.



DL1-AC-320W-51
DL1-AC-400W-64
DL1-AC-600W-96

51,000-96,000 lm

Dark Light Common Specifications

Weight & Size

DL1-AC-320W-51:

14.9 kg or 32.8 lb
365 mm x 550 mm x 160 mm or 14 in x 22 in x 6.3 in

DL1-AC-400W-64:

15 kg or 33.1 lb
365 mm x 550 mm x 160 mm or 14 in x 22 in x 6.3 in

DL1-AC-600W-96:

14 kg or 30.9 lb
365 mm x 550 mm x 160 mm or 14 in x 22 in x 6.3 in

Operating Temperature

-40°C / -40°F < 50°C / 122°F

Cable / Remote Driver

2m PUR

Ingress / Impact Protection

IP67, IK08

Color Consistency

< 3-Step McAdams Ellipse

CRI

70 Standard; 80+, 90+
Optional

Dual CCT

Available

Lumen Maintenance

196,000 hr, LM80

CCT

4000K Standard,
1800K, 2200K, 2700K, 5000K,
5700K Available

Dimming

Std. 0-10; Optional DALI

Optical Adjustment

63° - 75° Full cut-off

Optical Distribution

Asymmetrical, w/field-
adjustable cut-off

Limited Warranty

7 years

Dark Light Light and Power Specifications

Model Number	Lumens	Efficacy @ 4000K/5700K CCT	Power (Watts)	Voltage	Driver	Control
DL1-AC-320W-51	51,000	159	320	180-528 Vac/250-740 Vdc	Internal*	Std: 0-10; Option: DALI, LoRa Mesh
DL1-AC-400W-64	64,000	160	400	180-528 Vac/250-740 Vdc	Internal*	Std: 0-10; Option: DALI, LoRa Mesh
DL1-AC-600W-96	96,000	160	600	180-528 Vac/250-740 Vdc	Remote	Std: 0-10; Option: DALI, LoRa Mesh

* Optional Remote Available

DCbright Dark Light

Glare-free Area Lighting 51K-288K lm



DCbright Dark Light: DL2

Dark Light is a revolutionary lighting technology that leverages DCbright's patented parabolic reflector technology to deliver glare-free lighting, with sharp adjustable cut-offs to eliminate spillover.



DL2-AC-800W-128
DL2-AC-1200W-192

128,000-192,000 lm

Dark Light Common Specifications

Weight & Size

DL2-AC-800W-128:

24.5 kg or 54 lb
635 mm x 550 mm x 160 mm or 25 in x 22 in x 6.3 in

DL2-AC-1200W-192:

25.4 kg or 56 lb
635 mm x 550 mm x 160 mm or 25 in x 22 in x 6.3 in

Operating Temperature

-40°C / -40°F < 50°C / 122°F

Cable / Remote Driver

2m PUR

Ingress / Impact Protection

IP67, IK08

Color Consistency

< 3-Step McAdams Ellipse

CRI

70 Standard; 80+, 90+
Optional

Dual CCT

Available

Lumen Maintenance

196,000 hr, LM80

CCT

4000K Standard,
1800K, 2200K, 2700K, 5000K,
5700K Available

Dimming

Std. 0-10; Optional DALI

Optical Adjustment

63° - 75° Full cut-off

Optical Distribution

Asymmetrical, w/field-
adjustable cut-off

Limited Warranty

7 years

Dark Light Light and Power Specifications

Model Number	Lumens	Efficacy @ 4000K/5700K CCT	Power (Watts)	Voltage	Driver	Control
DL2-AC-800W-128	128,000	160	800	180-528 Vac/250-740 Vdc	Remote	Std: 0-10; Option: DALI, LoRa Mesh
DL2-AC-1200W-192	192,000	160	1200	180-528 Vac/250-740 Vdc	Remote	Std: 0-10; Option: DALI, LoRa Mesh

* Optional Remote Available

DCbright Dark Light

Glare-free Area Lighting 51K-288K lm



DCbright Dark Light: DL3

Dark Light is a revolutionary lighting technology that leverages DCbright's patented parabolic reflector technology to deliver glare-free lighting, with sharp adjustable cut-offs to eliminate spillover.



Dark Light Common Specifications

Weight & Size

DL3-AC-1800W-288:

33.5kg or 73.9lb

905 mm x 550 mm x 160 mm or 36 in x 22 in x 6.3 in

Operating Temperature

-40°C / -40°F < 50°C / 122°F

Cable / Remote Driver

2m PUR

Ingress / Impact Protection

IP67, IK08

Color Consistency

< 3-Step McAdams Ellipse

CRI

70 Standard; 80+, 90+ Optional

Dual CCT

Available

Lumen Maintenance

196,000 hr, LM80

CCT

4000K Standard, 1800K, 2200K, 2700K, 5000K, 5700K Available

Dimming

Std. 0-10; Optional DALI

Optical Adjustment

63° - 75° Full cut-off

Optical Distribution

Asymmetrical, w/field-adjustable cut-off

Limited Warranty

7 years

Dark Light Light and Power Specifications

Model Number	Lumens	Efficacy @ 4000K/5700K CCT	Power (Watts)	Voltage	Driver	Control
DL3-AC-1800W-288	288,000	160	1800	180-528 Vac/250-740 Vdc	Remote	Std: 0-10; Option: DALI, LoRa Mesh

* Optional Remote Available



PRODUCTS

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