

HEAVY DUTY & INDUSTRIAL LIGHTING



MEET THE LIGHTS THAT DRIVE OUR
SUSTAINABLE | LIGHTING | SOLUTIONS



THE COMPANY

JEL Products is a European Lighting Company with research and development based in the Netherlands and manufacturing in Shanghai. We combine excellence from these regions to deliver the most cost-effective and innovative high-end luminaires to the international lighting market.

JEL Products her brands were established along with its Dutch lighting industry history. The Woelders family from Holland have been in lighting for two generations now. The family has a deep understanding and commitment to the international lighting industry. Its focus in 2015 was to research and design innovative European quality luminaires and manufacture them in their new world class production facility.

OUR PRODUCTION

DCbright, a brand of JEL Products has production carried out under extremely strict management by its European management team. Every component has been strategically hand selected and tested to maximize the performance and reliability. The most advanced equipment and methods are adopted for the soldering and assembling of the products to ensure stable and reliable quality. Every product has passed burn-in test and thermal test and every detail is strictly checked by our QC before shipping to guarantee that we deliver the best products to our customers.

PRODUCT RANGE

Since 2015, the company has made great strides. The product range has been greatly expanded. We have shifted our focus from mining broadly to industrial in general. With this we currently provide construction cranes, haul trucks, construction sites, ports, asphalt paver machines, storage locations, industrial sites and mine lighting.

With this background, we've started developing DarkSky compliant lighting in 2019. Lamps that are innovative and will last for years. After a period of research and development, Dark Licht was released in 2021. The Dark Licht Series of light fittings were developed to meet the increasing market demand for optimum flexibility and efficiency in glare free cut-off outdoor lighting applications.

DCbright Industrial LED Solutions

World's highest performing industrial LED light solutions for heavy duty industries

DCbright sees quality as a habit. We only work with the highest quality materials, so that the end products meet our high standards. DCbright's standard manufacturing quality starts where most end. Only with our quality and safety standards we can provide you with the best lighting and the highest service. The following quality points are standard on all our products and ensure that the products last longer and can be used in the toughest conditions.

DCbright standard production quality: discover more of DCbright's production quality and all used production methods at www.jelproducts.nl

Reversed polarity protection: DCbright products with polarity protection are protected against accidentally wrong connecting the polarity.

Active polarity protection: see www.jelproducts.nl

Over voltage protection: This is a protection that interrupts the power supply when the occurring voltage exceeds a preset voltage margin.

Transil protection: The light is protected against static voltage discharges on the connection wires.

Thermal management: DCbright uses a system for thermal management that, with the help of a temperature sensor, prevents the maximum permissible temperature to be exceeded.

Dump load transient: A "dump load transient" is a component that can absorb power when the voltage exceeds a preset point.

Active dump load protection: see www.jelproducts.nl

Surge protection: Surge protection protects electronic components against voltage spikes.

Inrush current limiter: An inrush current limiter is a component used to limit the inrush current to prevent gradual damage to components and to prevent fuses or circuit breakers.

Heat transfer PCB: DCbright if focused to use the best for our customers. So we use circuit board with the heat conductance of up to 390wmk.

Short circuit protection: The short-circuit protection switches off the voltage supply if a short-circuit occurs in the lamp.

Flicker free lighting: DCbright uses completely flicker-free lamps! This is achieved by applying a frequency of 1 MHz for example. In addition, a capacitor is used to smooth out wrinkles.

Anti vibration: In order to make the lamps as vibration-resistant as possible, the heavier components are soldered and glued onto the PCB.

EMV - EMC: DCbright lamps have a component that suppresses interference.

Low glare: In order to prevent light pollution or 'glare' (light that falls outside the desired distribution angle), there are "low-glare" variants available for the vast majority of the products that DCbright offers.

DCbright Product Specifications*

| | |
|-------------------------|--|
| IP-rating : | IP69K |
| Impact rating : | IK10 (PC) - IK09 (glass) |
| CRI : | > 70 |
| Temperature range : | -30 ~ +50°C (HT up to 120°C) |
| Lamp body material : | Aluminum alloy (low copper) |
| Lamp body paint : | Conversion coating & 2 layers titanium based e-coating |
| Lamp bracket material : | Steel |
| Lamp bracket paint : | 2 layer powder paint |
| Front cover material : | UV coated PC or High impact glass |
| Luminaire colour : | Titanium grey / black |

*Specifications apply to the following products unless otherwise stated: orca, shark, barracuda, snapper, moray, piranha

Dark Light

GLARE FREE LIGHTING
by DCbright

Patented Glare Free & Highly Efficient Reflector System®

Powerful LED light sources are hidden in the back of the reflector system. Outside the field of view the light source becomes invisible and glare-free. The Dark light faces the ground and pushes light forward, stopping glare.

Safer Lighting on road and industrial sites

The glare from the LED light source can cause temporary blindness or impair the vision of drivers, causing a road safety hazard. In order to prevent dangerous situations DCbright designed the Dark Light series to be Glare-Free.

Eco-Friendly Lighting

Light pollution is an unwanted consequence of outdoor lighting and includes such effects as sky glow, light trespass, and glare. There is no unwanted or offensive light when using Dark Light series.

Cost Saving Lighting

Because Dark Light does not produce light pollution, yet all the available light is precisely where you need it, Dark Light saves up to 30-50% of energy consumption for any project compared to other LED light brands. When compared to a large terminal for instance this can result in saving extra thousands in energy costs.



Save 50% energy with Dark Light

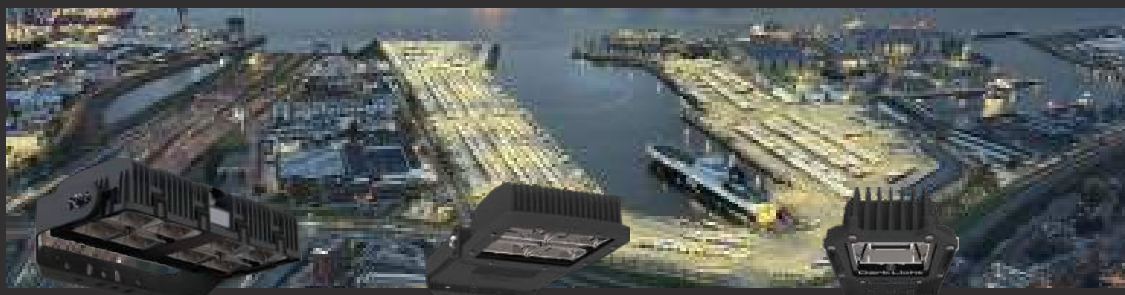


MEET OUR FAMILY

DCBRIGHT - DARKLIGHT

The DarkLight fixtures are our glare free floodlights capable of lighting up large area's with ease while leaving the surrounding in the dark. Combine its high lumen efficiency of 160 lm/W with all light being delivered within its full cut-off and you can achieve an unmatched low energy consumption for your lighting project.

- High Performance LED's
- Integral temperature monitoring device
- Corrosion-resistant aluminum housing
- Glare free optical system (DarkSky)
- Most efficient light distribution
- 5 year industry use warranty
- Wide variety of sizes and power outputs



DARKLIGHT ONE

Power range : 320W - 1800W
 Light output : < 288.000 lm
 Efficiency : 160 lm/W

DARKLIGHT D

Power range : 60W - 200W
 Light output : < 32.000 lm
 Efficiency : 160 lm/W

DARKLIGHT S

Power range : 60W - 75W
 Light output : < 12.000 lm
 Efficiency : 160 lm/W

DCBRIGHT - ORCA

The ORCA is our power house, the brightest industrial floodlight in its class. With an unmatched lumen output of more than 111,000 lumens, the ORCA is a robust and reliable beacon on light. This lamp is often used on construction cranes and large industrial sites and fits a wide variety of applications and accessories.

- High Performance LED's
- Integral temperature monitoring device
- Corrosion-resistant aluminum housing
- High thermal conductivity
- High Lumen output up to 111,000lm
- 5 year industry use warranty
- Specialized versions available



OR156 AC/DC

Max Power : 800W
 Light output : 111.300 lm
 Efficiency : 139 lm/W

OR156 HIGH TEMPERATURE

Max Power : 240W
 Light output : 55.000 lm
 Temp range : Up to 120°C

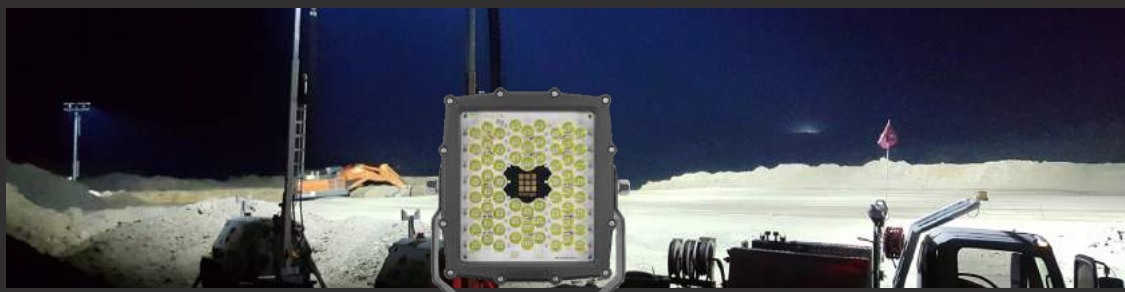
OR156 STAINLESS STEEL

Max Power : 800W
 Light output : 111.300 lm
 Lamp material : 316L Stainless steel

DCBRIGHT - SHARK

The SHARK is our newest addition, the brightest compact floodlight in its class. With an unmatched lumen output of more than 50,000 lumens at just 320W, the Shark is a robust and efficient powerhouse. This lamp is often used on construction cranes and large industrial sites and fits a wide variety of applications and accessories.

- High Performance LED's
- Integral temperature monitoring device
- Corrosion-resistant aluminum housing
- High thermal conductivity
- High Efficiency, highest in the market
- 5 year industry use warranty



SH66 AC/DC

Max Power : 320W
 Light output : 50.000 lm
 Efficiency : 156 lm/W

DCBRIGHT - BARRACUDA

The Barracuda is our compact powerhouse, the brightest industrial floodlight in its size. With an unmatched lumen output of more than 44,000 lumens, the Barracuda is a robust and reliable beacon on light. This lamp is often used in mining, construction cranes and large industrial sites and fits a wide variety of applications and accessories.

- High Performance LED's
- Integral temperature monitoring device
- Corrosion-resistant aluminum housing
- High thermal conductivity
- High Efficiency
- 5 year industry use warranty
- Specialized versions available



BA48 AC/DC

Max Power : 320W
 Light output : 44.100 lm
 Efficiency : 138 lm/W

BA48 HIGH TEMPERATURE

Max Power : 120W
 Light output : 20.600 lm
 Temp range : Up to +120°C

BA48 STAINLESS STEEL

Max Power : 320W
 Light output : 44.100 lm
 Lamp material : 316L Stainless steel

MEET OUR FAMILY

DCBRIGHT - SNAPPER

The Snapper is our most compact floodlight, built for lightweight high output situations. This floodlight is built to be universal and can therefore use a wide variety of optics. Thanks to its small size and weight it has the advantage of being easy to install in hard to reach area's like crane booms or furnaces.

- High Performance LED's
- Integral temperature monitoring device
- Corrosion-resistant aluminum housing
- Compact size & lightweight construction
- High Efficiency, up to 200 lm/W
- 5 year industry use warranty
- Specialized versions available



SN35 AC/DC

Max Power : 150W
 Light output : 22.000 lm
 Efficiency : 147 lm/W

SN35 HIGH TEMPERATURE

Max Power : 35W
 Light output : 7.000 lm
 Temp range : Up to +110°C

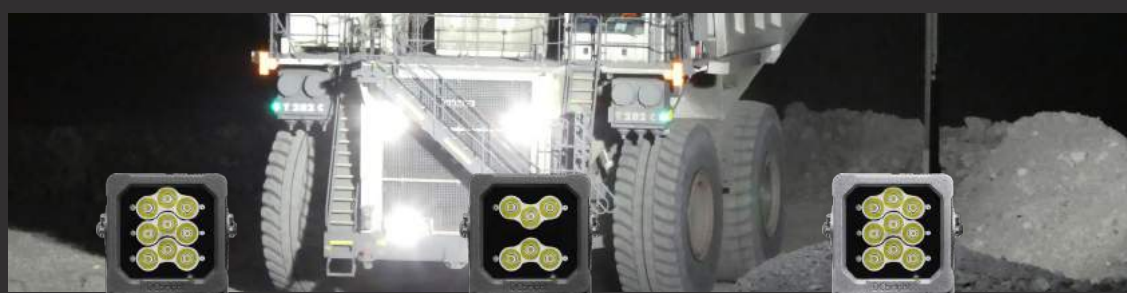
SN35 STAINLESS STEEL

Max Power : 150W
 Light output : 22.000 lm
 Lamp material : 316L Stainless steel

DCBRIGHT - PIRANHA

The Piranha is the most robust working light built to outlive even the machine it is mounted on. As compact as it may seem, it houses some serious lighting power. Offers the highest lumen output of any worklight in the market at well over 8,000 lumens. This light is often used on construction machinery, mining sites and emergency services.

- High Performance LED's
- Integral temperature monitoring device
- Corrosion-resistant aluminum housing
- High thermal conductivity
- High Efficiency
- 5 year industry use warranty
- Specialized versions available



PI9 DC

Max Power : 70W
 Light output : 8.400 lm
 Efficiency : 139 lm/W

PI6 DC

Max Power : 55W
 Light output : 6.300 lm
 Efficiency : 139 lm/W

PI9 STAINLESS STEEL

Max Power : 70W
 Light output : 8.400 lm
 Lamp material : 316L Stainless steel

DCBRIGHT - MORAY

The Moray is our smallest light built to serve. Mainly used to illuminate objects in offshore applications the Moray was built with corrosion resistance in mind. While its small size allows it to be installed in the tightest of places. This lamp is often used on offshore platforms and industry signage or used to light up monumental buildings.

- High Performance LED's
- Integral temperature monitoring device
- Corrosion-resistant aluminum housing
- High thermal conductivity
- High Efficiency
- Low power available
- 5 year industry use warranty



M016 AC/DC

Max Power : 30W
 Light output : 3.960 lm
 Efficiency : 132 lm/W

DCBRIGHT - ACCESSOIRES

As our lighting is built to serve specialized niches we have devoted ourselves in providing the complete solution. Therefore we have developed several universal accessoires that fit our lighting products to further enhance your workoperations. These accessoires are built with the same design- and engineering aspects as our light fixtures.

- DCbright buildquality
- Corrosion-resistant materials
- 5 year industry use warranty
- Our accessoires make the turn-key solution
- Built to further enhance onsite performance
- Versions available for worldwide markets



DRIVERBOXES

IP Rating : IP68
 Max Output : 2000W
 Powerfactor : > 0.98

BRACKETS

Rear Driver Bracket
 Construction Crane Bracket
 Self Centering Bracket
 200G Shock Bracket

ACCESSOIRES

Boom Mount kit
 Electrical Frame
 High Power Cable

ORCA - LARGE LED FLOODLIGHT

The Orca is one of the brightest industrial luminaires available worldwide. With an unmatched lumen output of more than 110,000 lumen, the Orca is a trustworthy powerhouse. This floodlight is often used in construction cranes, large excavation sites and industrial sites.

- High Performance LED's
- Integral temperature monitoring device
- Corrosion-resistant aluminum housing
- High thermal conductivity
- A number of electrical protections
- Vibration resistance
- Waterproof, IP69K
- Impact resistance, IK10



OR156 800AC

Power : 800W
Light output : 111.300 lm
Efficiency : 139 lm/W
Voltage : 90-305VAC / 180-528VAC

OR156 800DC

Power : 800W
Light output : 100.200 lm
Efficiency : 125 lm/W
Voltage : 24V (20-35V)

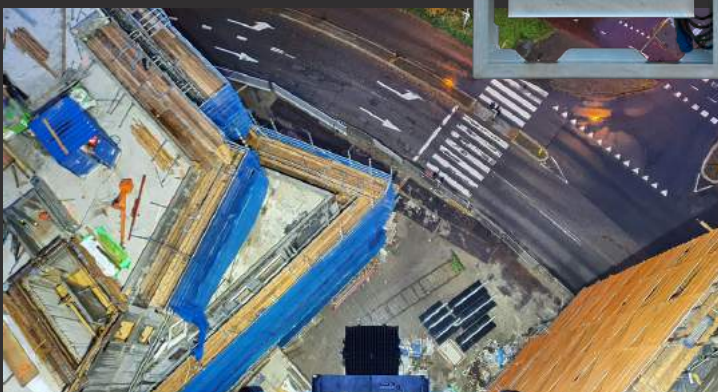
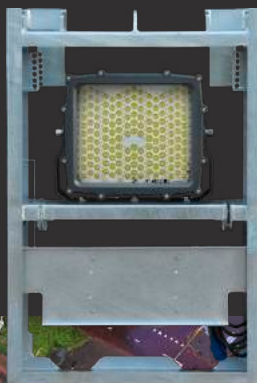
Construction Crane Bracket

The demand for this product came from the largest towercrane rental in the Netherlands. As their lighting partner we looked at the current situation and sought a simplified and universal way to mount and aim the lights. This resulted in the DCbright crane bracket. The bracket ensures that the lamps can be transported easily, hung in place quickly and have good light distribution at different heights.

Crane bracket specifications

| | |
|-----------------------|--------------------------------|
| Material | 5 mm, hot dip galvanized steel |
| Bracket weight | 52 kg |
| Bracket + lamp weight | 82.6 kg |
| Warranty | 5 years |

Eight of these crane brackets fit together on a single euro pallet for transportation, fits with our power distribution unit.



Our Orca is often combined with our universal construction crane bracket

OR156 Specifications

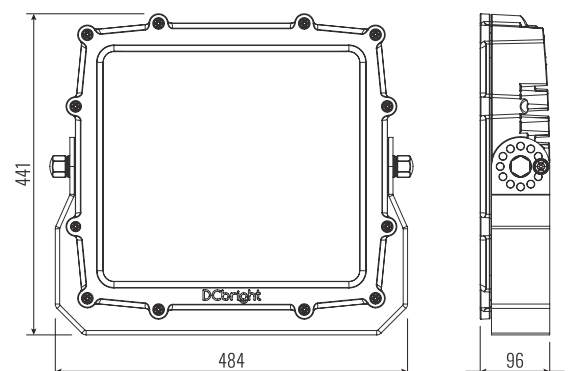
IP-rating : IP69K
Expected life span : 145 000 hours, L80B10
Light angle adjustment : +/- 240° in 30° steps

Weight and packaging

Lamp weight : 18.2 kg
Bracket weight : 2.9 kg
Gross weight : 22.7 kg
Product dimension : 515 x 440 x 95 mm
Packaging dimension : 570 x 505 x 165 mm

Available options

Light angles : 14° - 38° - 70° - 14x46°
Light beam colour : 6500K - 4000K - 2700K - 2200K



ORCA - 316L STAINLESS STEEL

The Orca in 316L stainless steel is your choice if you are looking for the most powerful LED light source that offers superior corrosion resistance. This version of the Barracuda is ideal for use in environments where corrosion is most aggressive such as fishingships, liftvessels, chemical plants and various other marine and offshore applications.

- High Performance LED's
- Integral temperature monitoring device
- Corrosion-resistant 316L Stainless Steel housing
- High thermal conductivity
- A number of electrical protections
- Vibration resistance
- Waterproof, IP69K
- Impact resistance, IK10



OR156 800SS AC

Power : 800W
 Light output : 111.300 lm
 Efficiency : 139 lm/W
 Voltage : 90-305VAC /
 180-528VAC

OR156 800SS DC

Power : 800W
 Light output : 100.200 lm
 Efficiency : 125 lm/W
 Voltage : 24V (20-35V)



Choosing the right optics ensures proper illumination of important area's



Various light colours allow for a brightly lit working environment at night

Orca Specifications

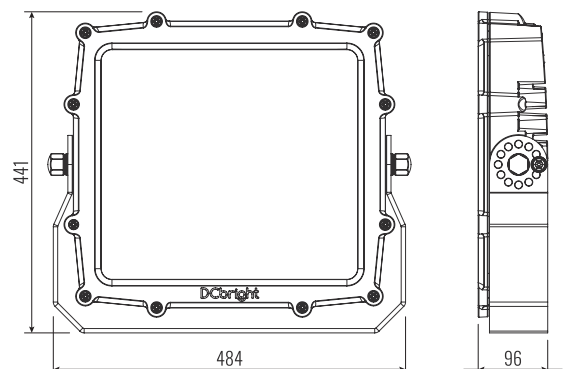
IP-rating : IP69K
 Expected life span : 145 000 hours, L80B10
 Light angle adjustment : +/- 240° in 30° steps

Weight and packaging

Lamp weight : 32.0 kg
 Bracket weight : 4.3 kg
 Gross weight : 36.3 kg
 Product dimension : 515 x 440 x 95 mm
 Packaging dimension : 570 x 505 x 165 mm

Available options

Light angles : 14° - 38° - 70° - 14x46°
 Light beam colour : 6500K - 4000K - 2700K - 2200K



ORCA - HIGH TEMPERATURE LED LIGHT

The Orca HT is the brightest industrial high temperature floodlight available worldwide. With an unmatched lumen output of more than 55,000 lumen, the Orca is a trustworthy powerhouse. This floodlight is often used in steel plants and high heat production facility halls.

- High Performance LED's
- Integral temperature monitoring device
- Corrosion-resistant aluminum housing
- High thermal conductivity
- A number of electrical protections
- Vibration resistance
- Waterproof, IP69K
- Impact resistance, IK09



OR156 240HT

Power : 240W
 Light output : 55.000 lm
 Efficiency : 230 lm/W
 Voltage : 90-305VAC

OR156 240HT OP

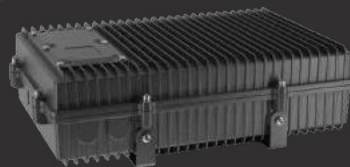
Power : 240W
 Light output : 39.000 lm
 Efficiency : 162 lm/W
 Voltage : 90-305VAC

High Temperature requires special preparations

When applying the high temperature models to installations in an high heat environment it is important to note that the life longevity of the installation is determined by the lifecycle of its weakest link. In case of led powered lights this is the driver unit. We therefor advise the use of external driverboxes which protect these drivers and provide the possibility to mount it externally. For full life longevity and warranty coverage the drivercomponent needs to be installed in an environment not exceeding +50°C.

Compatible OR156 Driverbox

| | |
|------------------|---------------|
| IP-Rating | IP68 |
| Max. temperature | 50°C |
| Life expectancy | 100.000 hours |
| Warranty | 5 years |



Light comes with a 15m cable that separates lamp from its driver.



Our OR156HT OP is capable of handling high amounts of infrared radiation

OR156 HT Specifications

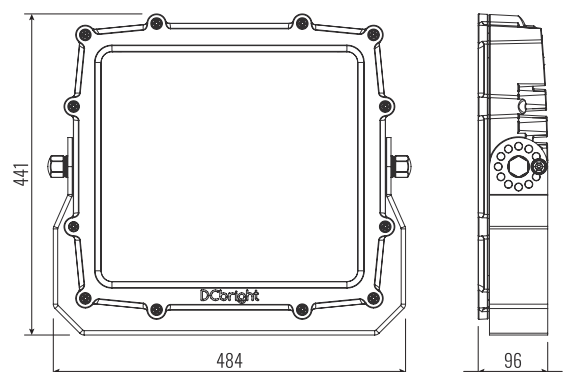
Temperature range : -45°C to +120°C
 IP-rating : IP69K
 Impact-rating : IK09
 Light angle adjustment : +/- 240° in 30° steps

Weight and packaging

Lamp weight : 18.2 kg
 Bracket weight : 2.9 kg
 Gross weight : 22.7 kg
 Product dimension : 515 x 440 x 95 mm
 Packaging dimension : 570 x 505 x 165 mm

Available options

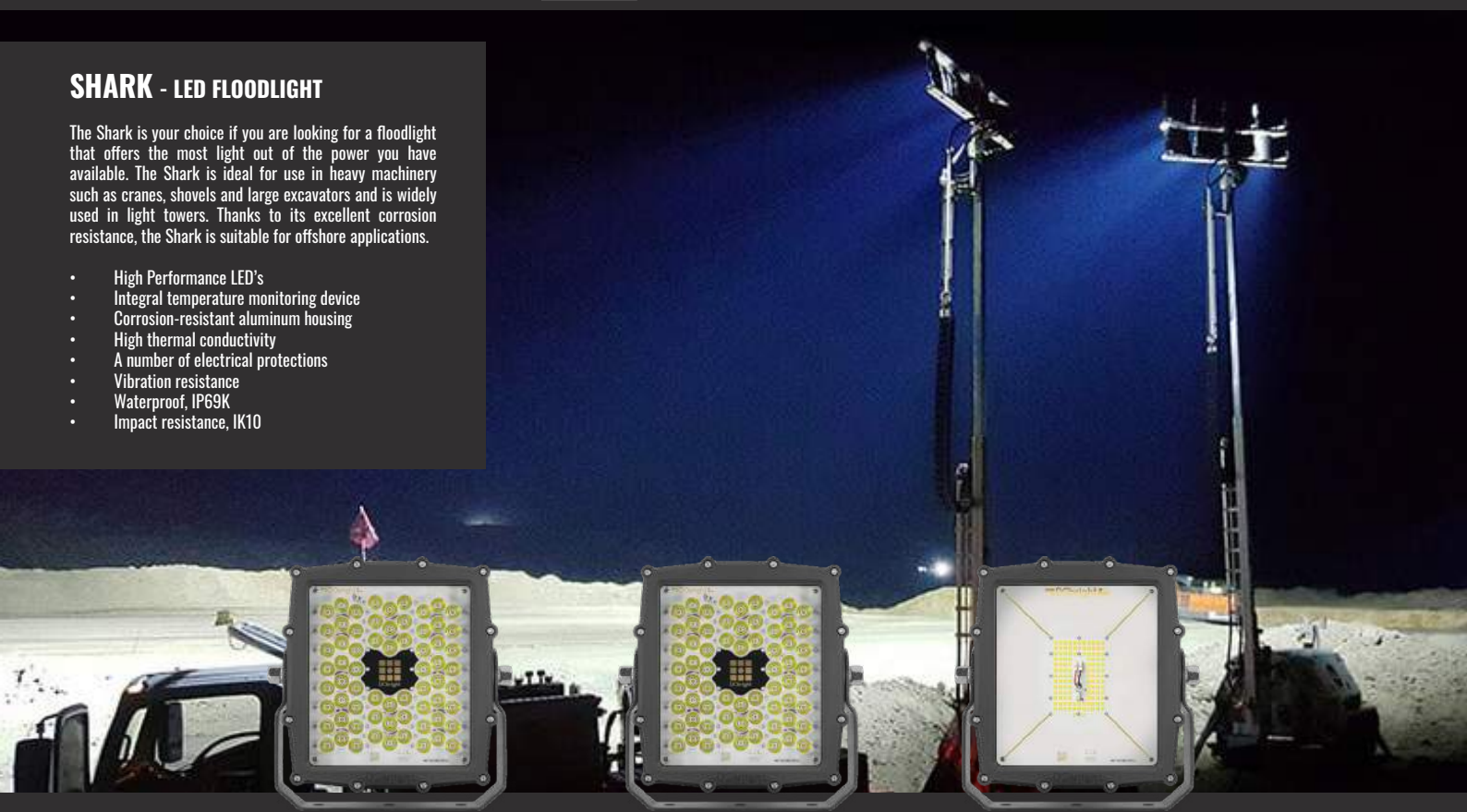
Light angles : 120° | OP: 60° - 40° - 20°
 Light beam colour : 6500K (Other colors on request)



SHARK - LED FLOODLIGHT

The Shark is your choice if you are looking for a floodlight that offers the most light out of the power you have available. The Shark is ideal for use in heavy machinery such as cranes, shovels and large excavators and is widely used in light towers. Thanks to its excellent corrosion resistance, the Shark is suitable for offshore applications.

- High Performance LED's
- Integral temperature monitoring device
- Corrosion-resistant aluminum housing
- High thermal conductivity
- A number of electrical protections
- Vibration resistance
- Waterproof, IP69K
- Impact resistance, IK10



SH66 320AC

Power : 320W
 Light output : 50.000 lm
 Efficiency : 156 lm/W
 Voltage : 90-305VAC /
 180-528VAC

SH66 320DC

Power : 320W
 Light output : 46.000 lm
 Efficiency : 144 lm/W
 Voltage : 24V (20-35V)

SH240 HEF

Power : 240W
 Light output : 47.500 lm
 Efficiency : 198 lm/W
 Voltage : 90-305VAC
 Light angle : 120° (no optics)



Choosing the right optics ensures proper illumination of important area's



Various light colours allow for a brightly lit working environment at night

Barracuda Specifications

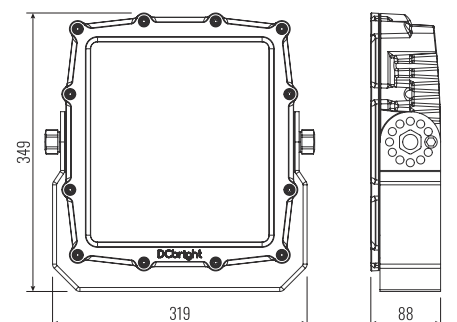
IP-rating : IP69K
 Expected life span : 196 000 hours, L80B10
 Light angle adjustment : +/- 240° in 30° steps

Weight and packaging

Lamp weight : 7.2 kg
 Bracket weight : 2.0 kg
 Gross weight : 9.2 kg
 Product dimension : 320 x 350 x 90 mm
 Packaging dimension : 380 x 410 x 150 mm

Available options

Light angles : 14° - 38° - 70° - 14x46°
 Light beam colour : 6500K - 4000K - 2700K - 2200K



BARRACUDA - LED FLOODLIGHT

The Barracuda is your choice if you are looking for a powerful LED light source with a compact size. The Barracuda is ideal for use in heavy machinery such as cranes, shovels and large excavators and is widely used in light towers. Thanks to its excellent corrosion resistance, the Barracuda is suitable for shipping / offshore applications.

- High Performance LED's
- Integral temperature monitoring device
- Corrosion-resistant aluminum housing
- High thermal conductivity
- A number of electrical protections
- Vibration resistance
- Waterproof, IP69K
- Impact resistance, IK10



BA48 320AC

Power : 320W
 Light output : 44.100 lm
 Efficiency : 138 lm/W
 Voltage : 90-305VAC /
 180-528VAC

BA48 240AC

Power : 240W
 Light output : 32.600 lm
 Efficiency : 136 lm/W
 Voltage : 90-305VAC /
 180-528VAC

BA48 320DC

Power : 320W
 Light output : 40.800 lm
 Efficiency : 127 lm/W
 Voltage : 24V (20-35V)



Choosing the right optics ensures proper illumination of important area's



Various light colours allow for a brightly lit working environment at night

Barracuda Specifications

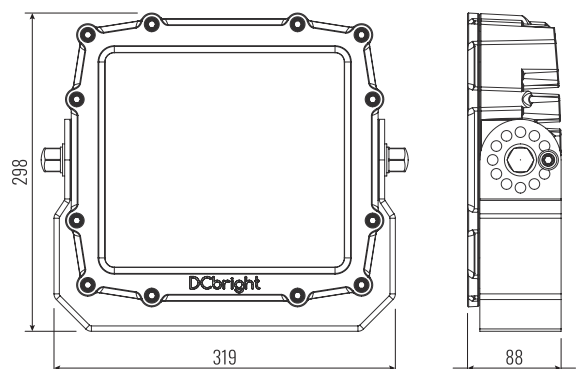
IP-rating : IP69K
 Expected life span : 145 000 hours, L80B10
 Light angle adjustment : +/- 240° in 30° steps

Weight and packaging

Lamp weight : 7.2 kg
 Bracket weight : 1.7 kg
 Gross weight : 10.1 kg
 Product dimension : 320 x 290 x 90 mm
 Packaging dimension : 380 x 350 x 150 mm

Available options

Light angles : 14° - 38° - 70° - 14x46°
 Light beam colour : 6500K - 4000K - 2700K - 2200K



BARRACUDA - 316L STAINLESS STEEL

The Barracuda in 316L stainless steel is your choice if you are looking for a powerful LED light source in compact size with superior corrosion resistance. This version of the Barracuda is ideal for use in environments where corrosion is most aggressive such as fishingships, liftvessels, chemical plants and various other marine and offshore applications.

- High Performance LED's
- Integral temperature monitoring device
- Corrosion-resistant 316L Stainless Steel housing
- High thermal conductivity
- A number of electrical protections
- Vibration resistance
- Waterproof, IP69K
- Impact resistance, IK10



BA48 320SS AC

Power : 320W
 Light output : 44.100 lm
 Efficiency : 138 lm/W
 Voltage : 90-305VAC /
 180-528VAC

BA48 240SS AC

Power : 240W
 Light output : 32.600 lm
 Efficiency : 136 lm/W
 Voltage : 90-305VAC /
 180-528VAC



Choosing the right optics ensures proper illumination of important area's



Various light colours allow for a brightly lit working environment at night

Barracuda Specifications

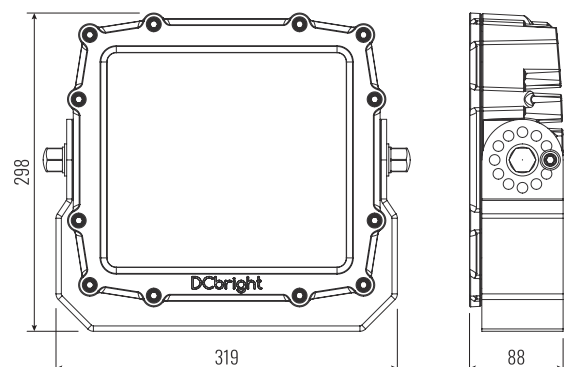
IP-rating : IP69K
 Expected life span : 145 000 hours, L80B10
 Light angle adjustment : +/- 240° in 30° steps

Weight and packaging

Lamp weight : 14.3 kg
 Bracket weight : 1.7 kg
 Gross weight : 16.0 kg
 Product dimension : 320 x 290 x 90 mm
 Packaging dimension : 380 x 350 x 150 mm

Available options

Light angles : 14° - 38° - 70° - 14x46°
 Light beam colour : 6500K - 4000K - 2700K - 2200K



BARRACUDA - HIGH TEMPERATURE

The Barracuda HT is a compact near indestructible high temperature floodlight. With an unmatched lumen output for its power at more than 20,600 lumen, the Barracuda is a trustworthy compact lightsource. This floodlight is often used in climate chambers and high heat paper machines.

- High Performance LED's
- Integral temperature monitoring device
- Corrosion-resistant aluminum housing
- High thermal conductivity
- A number of electrical protections
- Vibration resistance
- Waterproof, IP69K
- Impact resistance, IK09



BA48 120HT

Power : 120W
Light output : 20.600 lm
Efficiency : 172 lm/W
Voltage : 90-305VAC

BA48 60HT

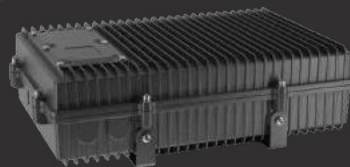
Power : 60W
Light output : 10.300 lm
Efficiency : 172 lm/W
Voltage : 90-305VAC

High Temperature requires special preparations

When applying the high temperature models to installations in an high heat environment it is important to note that the life longevity of the installation is determined by the lifecycle of its weakest link. In case of led powered lights this is the driver unit. We therefor advise the use of external driverboxes which protect these drivers and provide the possibility to mount it externally. For full life longevity and warranty coverage the drivercomponent needs to be installed in an environment not exceeding +50°C.

Compatible BA48 Driverbox

| | |
|------------------|---------------|
| IP-Rating | IP68 |
| Max. temperature | 50°C |
| Life expectancy | 100.000 hours |
| Warranty | 5 years |



Light comes with a 15m cable that separates lamp from its driver.



Our BA48 120HT is capable of handling direct blasts of high heat like fire

BA48 HT Specifications

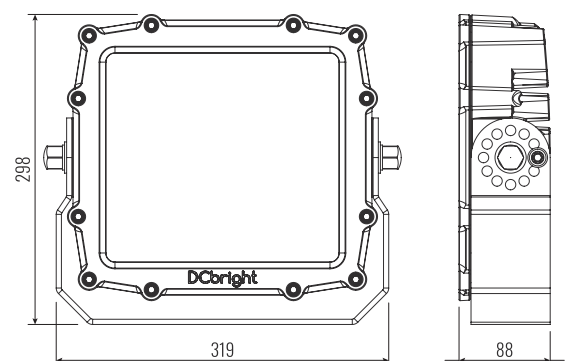
Temperature range : -45°C to +120°C
IP-rating : IP69K
Impact-rating : IK09
Light angle adjustment : +/- 240° in 30° steps

Weight and packaging

Lamp weight : 7.2 kg
Bracket weight : 1.7 kg
Gross weight : 10.1 kg
Product dimension : 320 x 290 x 90 mm
Packaging dimension : 380 x 350 x 150 mm

Available options

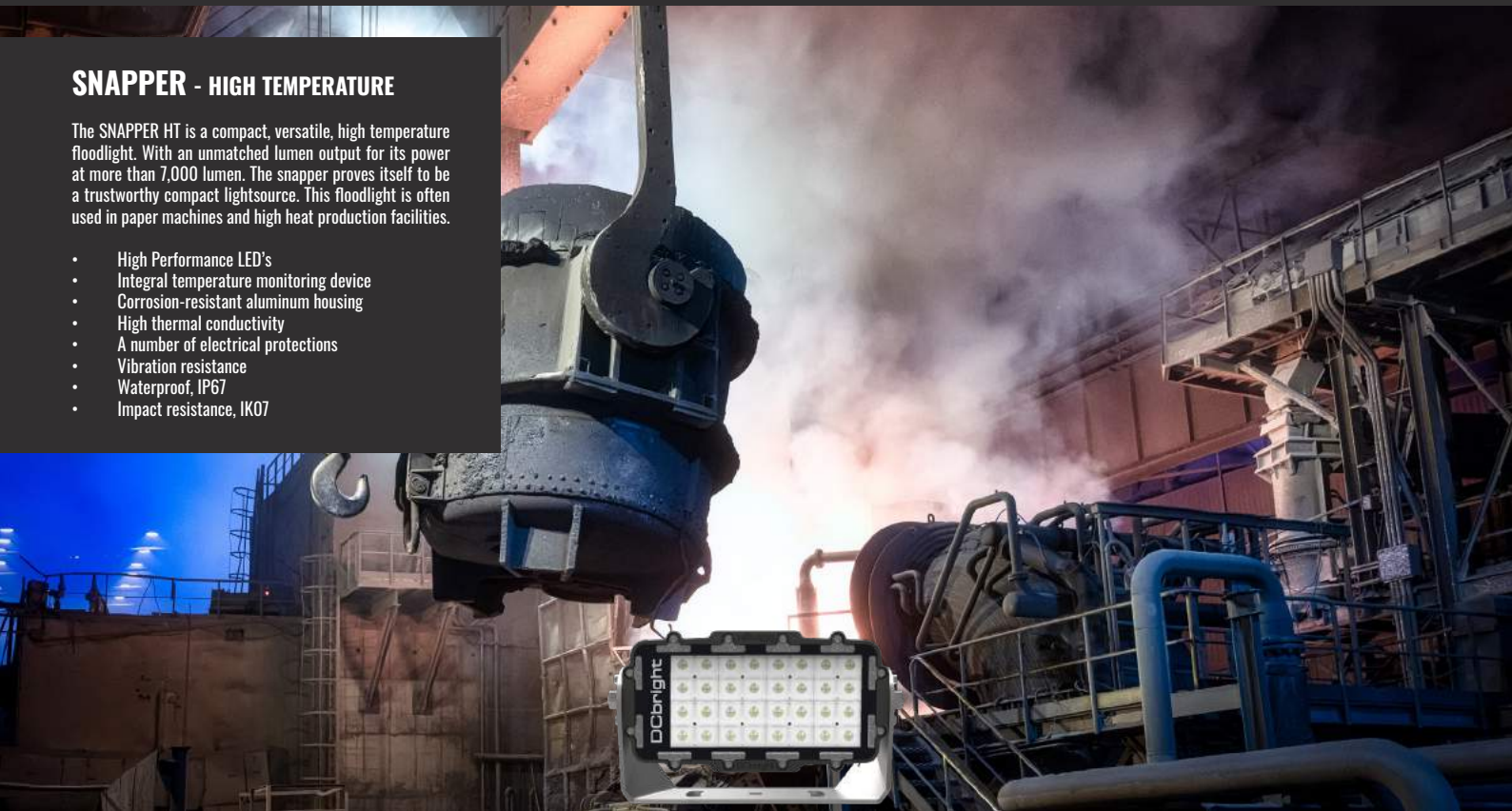
Light angles : 120° | OP: 60° - 40° - 20°
Light beam colour : 6500K (Other colors on request)



SNAPPER - HIGH TEMPERATURE

The SNAPPER HT is a compact, versatile, high temperature floodlight. With an unmatched lumen output for its power at more than 7,000 lumen. The snapper proves itself to be a trustworthy compact lightsource. This floodlight is often used in paper machines and high heat production facilities.

- High Performance LED's
- Integral temperature monitoring device
- Corrosion-resistant aluminum housing
- High thermal conductivity
- A number of electrical protections
- Vibration resistance
- Waterproof, IP67
- Impact resistance, IK07



SN35 35HT

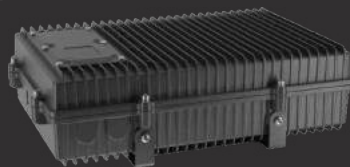
Power : 35W
Light output : 7.000 lm
Efficiency : 200 lm/W
Voltage : 90-305VAC

High Temperature requires special preparations

When applying the high temperature models to installations in an high heat environment it is important to note that the life longevity of the installation is determined by the lifecycle of its weakest link. In case of led powered lights this is the driver unit. We therefor advise the use of external driverboxes which protect these drivers and provide the possibility to mount it externally. For full life longevity and warranty coverage the drivercomponent needs to be installed in an environment not exceeding +50°C.

Compatible SN35 Driverbox

| | |
|------------------|---------------|
| IP-Rating | IP68 |
| Max. temperature | 50°C |
| Life expectancy | 100.000 hours |
| Warranty | 5 years |



Light comes with a 15m cable that separates lamp from its driver.



Our SN35-35HT is configurable in a combination to facilitate ease of installation

SN35 HT Specifications

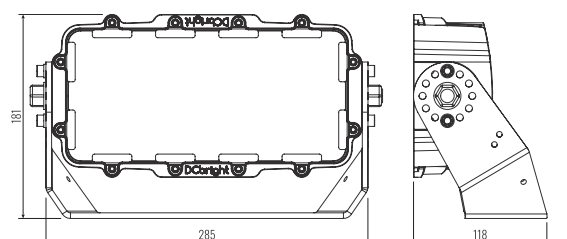
Temperature range : -45°C to +110°C
IP-rating : IP67
Impact-rating : IK07
Light angle adjustment : +/- 240° in 30° steps

Weight and packaging

Lamp weight : 2.7 kg
Bracket weight : 0.3 kg
Gross weight : 3.1 kg
Product dimension : 320 x 210 x 90 mm
Packaging dimension : 340 x 220 x 100 mm

Available options

Light angles : 115°
Cable length : 15m (Other lengths on request)
Set Configuration Box I : 1-2 lights
Set Configuration Box II : 3-6 lights
Light beam colour : 6500K (Other colors on request)





SNAPPER - LED FLOODLIGHT

The SNAPPER is DCbright's most versatile lamp. The lamp is modular and this allows us to connect multiple housings to create a higher light output. Ideal for customization. The SNAPPER uses standard 50-50 optics. This makes the SNAPPER extremely flexible and meets the requirements of the assignment.

- High Performance LED's
- Light weighted luminaire housing
- Large variety of standard 50-50 optics
- DCbright production quality
- A number of electrical protections
- Multiple mounting options
- Waterproof, IP66 (IP67)
- Impact resistance, IK10

SN-35 180AC

Power : 180W
Light output : 25.000 lm
Efficiency : 139 lm/W
Voltage : 90-305VAC

SN-32 150DC

Power : 150W
Light output : 22.000 lm
Efficiency : 147 lm/W
Voltage : 24V (20-35V)

Snapper specifications

IP-rating : IP67
Expected life span : 196 00 hours, L80B10
Light angle adjustment : +/- 240° in 30° steps
Cable type : PUR or silicone
Cable length : 2 m

Weight and packaging

Lamp weight : 2.7 kg
Bracket weight : 0.4 kg
Gross weight : 3.1 kg
Product dimension : 320 x 1800 x 120 mm
Packaging dimension : 340 x 220 x 100 mm

Available options

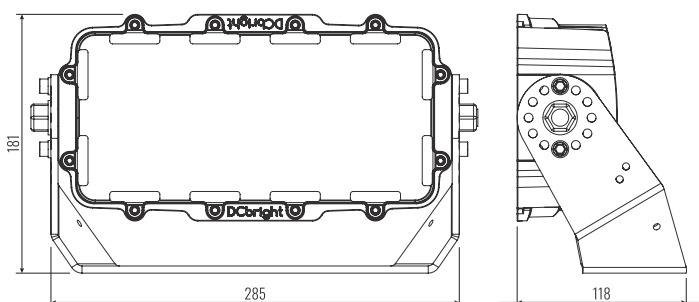
Light angles : Fits large variety of optics
Light beam colour : 6500K - 4000K - 2700K - 2200K



Fits large variety of optics



Snapper on mobile light tower



PIRANHA - SMALL FLOODLIGHT

The PIRANHA is your choice if you are looking for a powerful yet very compact light source. The Piranha is ideal for use in heavy machinery such as cranes, shovels and foundation rigs, but thanks to its excellent corrosion resistance, it is also suitable for commercial marine and offshore applications.

The PIRANHA housing is designed for world's toughest surroundings. All our housings make use of a chrome conversion coated and dual layer powder painted high (x-ray tested) grade aluminum. This model includes a series of electrical protections including the following: thermal, surge, over voltage and dump load protections. With these protections we can offer at least 5-year warranty through our complete productline.



PI9 70DC

Power : 70W
Light output : 8.400 lm
Efficiency : 120 lm/W
Voltage : 24V (20-35V)

PI6 55DC

Power : 55W
Light output : 6.300 lm
Efficiency : 115 lm/W
Voltage : 12-24V (10-35V)

PI9 45DC

Power : 45W
Light output : 5.300 lm
Efficiency : 117 lm/W
Voltage : 24V (20-35V)
Light colour : 2200K

Piranha Specifications

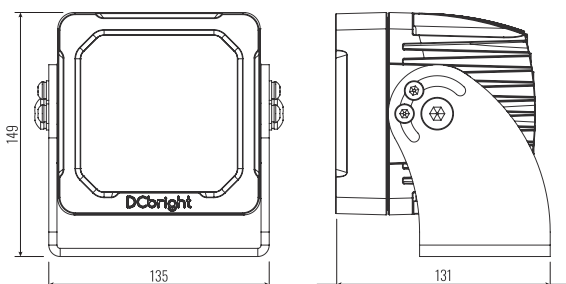
IP-rating : IP69K
Expected life span : 145 000 hours, L80B10
Light angle adjustment : -45° <> +90° step-less
Cable type : PUR + DT04-2P Deutsch plug

Weight and packaging

Lamp weight : 2.9 kg
Bracket weight : 0.2 kg
Gross weight : 3.1 kg
Product dimension : 150 x 122 x 115 mm
Packaging dimension : 170 x 170 x 160 mm

Available options

Light angles : 14° - 38° - 70° - 14x46°
Light beam colour : 6500K - 4000K - 2700K - 2200K



Compatible with many accesories such as this automatic tilting mechanism

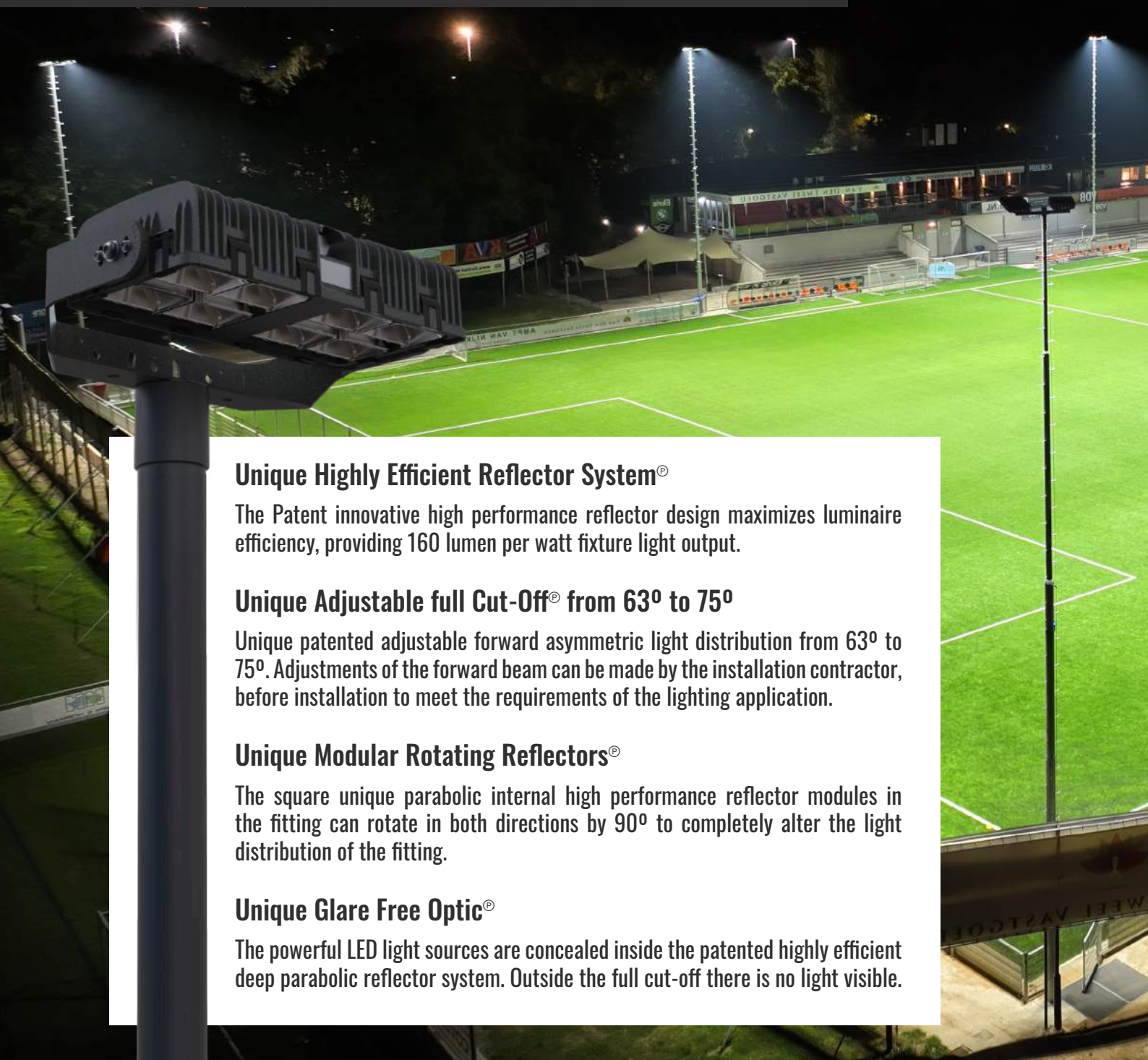


Piranha mounted on a caterpillar deep in Australian mines

GLARE FREE LIGHTING BY DARK LICHT

The Dark Licht Series of light fittings were developed to meet the increasing market demand for optimum flexibility and efficiency in glare free cut-off flood lighting applications.

The two body types of Dark Licht light fittings share the base marine grade high pressure cast aluminum body. The wedge shape aesthetic Dark Licht is for Architectural and Commercial projects. Industrial applications use the standard Dark Licht model which has slightly higher ambient thermal performance and can have a marine application kit fitted, if required. This dynamic modular transformation is the most economical solution for industrial, commercial, and architectural lighting applications.



Unique Highly Efficient Reflector System®

The Patent innovative high performance reflector design maximizes luminaire efficiency, providing 160 lumen per watt fixture light output.

Unique Adjustable full Cut-Off® from 63° to 75°

Unique patented adjustable forward asymmetric light distribution from 63° to 75°. Adjustments of the forward beam can be made by the installation contractor, before installation to meet the requirements of the lighting application.

Unique Modular Rotating Reflectors®

The square unique parabolic internal high performance reflector modules in the fitting can rotate in both directions by 90° to completely alter the light distribution of the fitting.

Unique Glare Free Optic®

The powerful LED light sources are concealed inside the patented highly efficient deep parabolic reflector system. Outside the full cut-off there is no light visible.

HIGHLY EFFICIENT REFLECTOR SYSTEM[®]

The Dark Light Series uses the highest quality LED's, reflector material, electronics, and glass available worldwide. This patented break-through technology produces 160 fixture lumen per watt.

The patented unique optical / reflector system controls the light so precisely there is no light lost outside of the area of illumination. This increases the efficiency of the fitting and in many cases a lower wattage Dark Light fitting can be used in an application.

The use of a flat glass lens seals the fitting providing a static free optical system. The much lower dust and dirt build up on the glass lens greatly improves light output of the fitting over the life of the product.

63° TO 75° ADJUSTABLE LIGHT CUT-OFF[®]

The Dark Light series has an adjustable 5 step forward throw reflector system. This simultaneously adjusts the light cut-off. The Dark Light light sources are not visible outside the cut-off for both forward and side light distribution. There is no light emitted past the cut-off.

At the maximum forward throw setting of 54°, the full cut-off is 75°. The low brightness of the fitting and light cut-off is so precise past 75° that the fitting can be tilted if required a further 15° and there will be no light above 90° horizontal.



THE DARK LIGHT IS ABLE TO ADJUST
IT'S CUT-OFF BASED ON THE PROJECT

DARK LIGHT SPECIFICATIONS

| | |
|------------------|------------|
| Brand | Dark Licht |
| Limited warranty | 5 Years |

ELECTRICAL

| | |
|----------------------------|-------------------------|
| Voltage range | 180-528Vac / 250-740Vdc |
| Voltage range (320W, D200) | 90-305Vac / 127-420Vdc |
| Frequency | 50 / 60 Hz |
| Power factor | > 0.95 |

PERFORMANCE

| | |
|--------------------------|--|
| Fixture lumen efficiency | 160 lm/W |
| Dimming input | 0 - 10V |
| Temperature control | Yes |
| Light distribution | Asymmetrical - adjustable cut-off |
| Light adjustment range | 63° - 75° Full cut-off |
| CRI | Standard: >70 Optional: >80, >90 |
| LED chip binning | 3 Step MacAdam Ellipse LED's |
| Light color: | Standard: 5000k Optional: 2200k, 2700k, 4000k |
| Operation temp range | -40°C - +50°C |
| Waterproof rating | Standard = IP67 DL-S60 = IP69K |
| Impact rating | IK07 (IK08 on request) |
| Wireless control system | Available |

MATERIALS

| | |
|---------------------|---|
| Lamp body | Aluminum alloy (low copper) |
| Lamp body finish | 13 stage pretreatment + dual layers titanium based e-coating (Grey) |
| Mounting arm | High tensile steel |
| Mounting arm finish | Zinc plated + dual layers titanium based e-coating (Grey) |
| Hardware | Aluminium |

UNIQUE GLARE-FREE OPTIC[®]

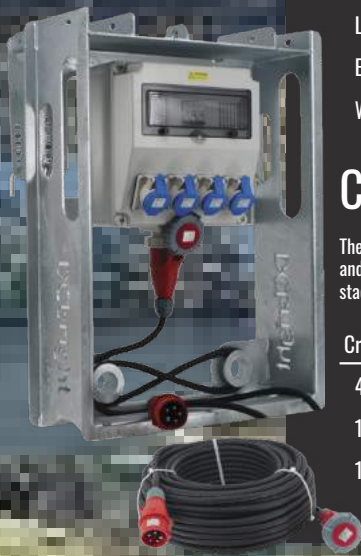
LED light sources are hidden in the back of the reflector system. Inside the field of view the actual light source is hidden back inside the parabolic reflector system. Outside the field of view the light source becomes invisible. This single feature provides lighting designers with confidence to install the Dark Licht and know the light fitting will not be visible by neighboring properties near the lighting installation. This means there will be no complaints that the lights and LED light sources are visible from the general public.

DARK LIGHT CRANE BRACKET

The Dark Light Construction Crane Bracket is a versatile lighting solution that easily mounts on a crane beam. The bracket securely holds the luminaire and power supply, stackable on a euro pallet with 2 rows and 4 high capacity. Brackets slide and lock together, minimizing shipping costs. Designed for construction site toughness, the luminaire folds out for ample illumination. Its protective enclosure ensures durability in harsh weather. The LED luminaire on the crane bracket is an excellent lighting solution, offering transport ease, durability, and flexibility—a smart investment for construction companies improving work site lighting.

Crane bracket luminaire + driver

| | |
|-------------------------|--------------------------------|
| Material | 5 mm, hot dip galvanized steel |
| Model | DL-CCB-600 |
| Luminaire type | DL1-AC-600W-96 |
| Driver type | DR1-AC-600W-BOX |
| Bracket + lamp weight | 45.4 kg |
| Lamp tilt-drop settings | 0° - 10° - 20° - 90° |
| Europallet transport | 2 rows - 4 high - locked |
| Warranty | 5 years |



CRANE DISTRIBUTION SET

The Dark Light Crane Bracket is available as a set comprising 4 light brackets and 1 distribution bracket. It comes with 60 meters of cable. This set is perfect for stacking on a Euro pallet, making it an ideal solution.

Crane bracket luminaire + driver

| |
|-------------------------------------|
| 4x Crane bracket luminaire + driver |
| 1x Crane Bracket distribution box |
| 1x 60 meter 5x2.5mm neoprene cable |



DARK LIGHT ONE



DARK LIGHT TWO



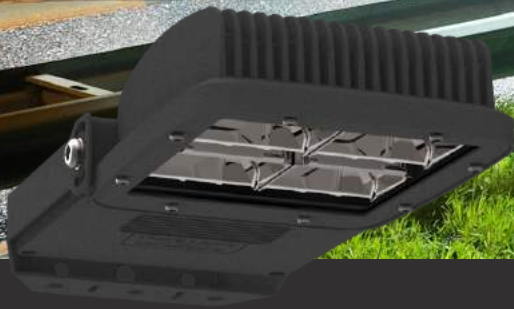
DARK LIGHT THREE

| Model: | Power: | Lumen output: | Life Span | Lamp Weight | Lamp Dimensions | Driver / Voltage |
|------------------|--------|---------------|----------------------|-------------|--------------------|------------------|
| DL1-AC-320W-51 | 320W | 51.000 lm | 82.241 hrs - L80B10 | 14.9 kg | 365 x 550 x 160 mm | Internal |
| DL1-AC-400W-64 | 400W | 64.000 lm | 196.013 hrs - L80B10 | 15.0 kg | 365 x 550 x 160 mm | Remote - Back |
| DL1-AC-600W-96 | 600W | 96.000 lm | 196.030 hrs - L80B10 | 14.0 kg | 365 x 550 x 160 mm | Remote - Back |
| DL1-DC-600W-90 | 600W | 90.000 lm | 196.030 hrs - L80B10 | 14.0 kg | 365 x 550 x 160 mm | 24V (20-32V) |
| DL2-AC-800W-128 | 800W | 128.000 lm | 196.013 hrs - L80B10 | 24.5 kg | 635 x 550 x 160 mm | Remote - Back |
| DL2-AC-1200W-192 | 1200W | 192.000 lm | 196.030 hrs - L80B10 | 25.4 kg | 635 x 550 x 160 mm | Remote - Back |
| DL3-AC-1800W-288 | 1800W | 288.000 lm | 196.030 hrs - L80B10 | 33.5 kg | 905 x 550 x 160 mm | Remote - Back |

100% GLARE FREE



THE DARK LIGHT LED SOURCE IS ONLY VISIBLE FROM THE ILLUMINATED AREA.



DARK LICHT D200

| Model: | Power: | Lumen output: | Life Span | Lamp Weight | Lamp Dimensions | Driver / Voltage |
|--------------------|--------|---------------|----------------------|-------------|---------------------|------------------|
| DL-S60-DC-60W-10 | 60W | 9.600 lm | 196.030 hrs - L80B10 | 2.3 kg | 260 x 200 x 130 mm | 24V (20-32V) |
| DL-S60-DC-60W-10 | 60W | 9.600 lm | 196.030 hrs - L80B10 | 2.3 kg | 260 x 200 x 130 mm | 12-24V (10-32V) |
| DL-S60-DC-75W-12 | 75W | 12.000 lm | 196.030 hrs - L80B10 | 2.3 kg | 260 x 200 x 130 mm | 24V (20-32V) |
| DL-S60-AC-75W-12 | 75W | 12.000 lm | 196.030 hrs - L80B10 | 2.3 kg* | 260 x 200 x 130 mm* | Remote |
| DL-D200-AC-200W-32 | 200W | 32.000 lm | 82.241 hrs - L80B10 | 8.5 kg | 540 x 270 x 110 mm | Internal |
| DL-D120-AC-120W-19 | 120W | 19.200 lm | 82.241 hrs - L80B10 | 7.1 kg | 440 x 270 x 110 mm | Internal |
| DL-D60-AC-60W-10 | 60W | 9.600 lm | 82.241 hrs - L80B10 | 6.9 kg | 440 x 270 x 110 mm | Internal |

*Exclusive driver weight & dimensions

DCBRIGHT LIGHT OPERATING SYSTEM

DCbright light operation system makes it possible to control the lighting remotely, using a LoRa Mesh. The lighting can be switched on/off individually, but also dimmed.

- Reliable operation system with a long range to control the lighting
- All regions of the world are supported by dip-switch selectable operating frequencies

GATEWAY SPECIFICATIONS

| |
|--------------------------------|
| Part number : DCB-FLCS-GW01 |
| Input power : 9V DC - 2.2 A |
| LAN : 10/100 Mbit |
| RF output power : 22 dBm (max) |
| Network protocol : LoRa Mesh |
| Installation location : Indoor |

TRANSCEIVER SPECIFICATIONS

| |
|--------------------------------|
| Part number : DCB-FL-TR-01 |
| Input voltage : 12V DC |
| RF output power : 22 dBm (max) |
| Output : 2x 0-10V DC |
| Output current : 2x 40mA (max) |
| IP-rating : IP67 |



SWITCH BOX

DCbright switch box is designed to replace relays in 12V and 24V systems. This DCbright switch box simplifies the standard systems dramatically.

- There are no wire connections between relays and fuse boxes.
- There are no switching contacts.
- The DCbright switch box switches are solid state which increase the reliability of the system.
- Debugging of the system is easy since the inputs, outputs and fuses have LED indicators.

SWITCH BOX SPECIFICATIONS

| |
|--|
| Working voltage : 12-24V |
| Available versions : 8 and 12 channel |
| Max current : 14A per channel |
| Input voltage/current : 12V at 1.0mA 24V at 3.5mA |

PROTECTIONS

| |
|--|
| Short circuit proof : Yes |
| Over voltage protection : 12V = 17V 24V-L = 31V 24V-H = 39V 48V = 66V |



OEM HYDRAULIC CONTROLLER

With the DCbright hydraulic controller you can easily control your hydraulic machines. The product has long-term proven performance on hydraulic light towers in Australian mines.

- Single control box for all hydraulics
- Easy to integrate into the current system
- Sturdy housing against the extreme situations.
- Compact design that keeps the control unit clear and orderly.
- OEM product. Please contact DCbright to discuss all options.

OEM HYDRAULIC CONTROLLER SPECIFICATIONS

| |
|--|
| Working voltage : 12-24V |
| Connectors : Max 10 (request) |
| Available versions : This is an OEM product. All available options on request. |

PROVIDING A BEACON OF LIGHT
SUSTAINABLE | LIGHTING | SOLUTIONS

NOTES



INTERNATIONAL SALES INQUIRIES

DCbright

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Website: www.jelproducts.nl

Dark Licht

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