Easy to install, highly reliable conveyor light

DLK2 offers the most robust and energy-efficient way of illuminating industrial conveyors, platforms and walkways. Capable of delivering the required minimum of 40 lux, even when lights are spaced up to 12m apart, and operating for years with next to no ongoing maintenance throughout all of the fixed plant infrastructure.

Also available in application-specific versions of Wildlife & Turtle Friendly Amber and Dark Sky Compliant.

Designed for use in:
- Conveyors
- Walkways
- Stairwells
- Stacker / Reclaimers
- Pedestrian Access Ways
- Campsite Area Lighting
- General Area Lighting
- Mining Processing Plant
- Tunnels
- Bulkheads
- Material Washing and Crushing
The DLK2 is so easy to install it can be done in minutes, without the need of any specialized tools. Simply open the hatch, connect the cable, tighten the gland, close the hatch.

The DLK2 is made to cut costs; even before it is ever turned on.

Dark Sky Compliance

Lighting pollution is viewed as a negative product of most, modern around-the-clock mining operations. It disturbs nocturnal animals, affects human circadian rhythms and severely impacts astronomy observatories.

The DLK2 is available in Dark Sky compliant configuration that features a specially designed hood as well as finetuned light spectrum designed to control the effects of light pollution.

COOL SURFACE TEMPERATURE
Coolon's Industrial LED fittings have a much lower surface temperature than traditional HID equivalents which prevents dirt from baking onto the luminaire. This allows for easier cleaning and will prolong the lifespan of the luminaire.

NO FLICKERING
LED luminaires run on constant low voltage DC power and do not produce any visible stroboscopic effects, thus reducing the strain on eyes and significantly improving safety in areas where moving machinery is present.

LOW SUSCEPTIBILITY TO VIBRATION
This luminaire is designed to handle continuous exposure to vibration. A typically critical issue affecting the life and operation of most common gas discharge lamp based light sources is mechanical shock and vibration.

3 YEARS FACTORY WARRANTY
Coolon Luminaires are covered by a solid comprehensive manufacturer’s warranty that covers a range of possible defects and performance parameters throughout the duration of the warranty period.

INSTANT ON/OFF
LEDs do not require warm up. Instant on to 100% output translates to no downtime, improved safety and the ability to utilize sensor switching to significantly save energy.

HIGH IP RATING - IP66
Coolon’s Industrial LEDs are designed specifically to withstand the harsh conditions in mining environments. The robust design allows our LED products to be used in many different applications and are high pressure washable.

LONG USEFUL OPERATING LIFE
Currently available specification from world’s most reputable LED manufacturers states 50,000 hours of continuous operation at the rated current within the operating temperature range to 70% residual light output.

PROUDLY MADE IN AUSTRALIA
Our products are designed and manufactured in Australia. Engineered to perfection, using only the highest quality components and highly skilled labour, each luminaire is assembled and thoroughly tested to ensure that it exceeds the highest standards.
The DLK2 is available in turtle friendly Amber. In many coastal areas white light may not be permitted for use, as it is believed to be disrupting breeding cycles of certain species of sea turtles. Coolon has specifically designed a variation of the DLK2 in 595nm (nanometers) Amber that is in the region of their lowest visual sensitivity.
**SPACINGS**

Simulation Based on DLK2-60-CWT-BW1-MP
Mounting Height: 2.7m
Spigot Length: 0.2m
Walkway Width: 1m

Spacing: 8 meters
Ave = 171 lux
Min = 97 lux
Min/Ave = 0.5

Spacing: 10 meters
Ave = 130 lux
Min = 75 lux
Min/Ave = 0.6

Spacing: 12 meters
Ave = 102 lux
Min = 43 lux
Min/Ave = 0.4

* Drawing not to scale

**MINIMAL RADIATED EMI**

![Graph showing minimal radiated EMI](image)

**AMBIENT TEMPERATURE VS POWER**

![Graph showing ambient temperature vs power](image)

**COLOUR TEMPERATURES**

![Color temperature chart](image)

All colour temperatures are indicative. Some variation can occur.

**Polar Distribution**

![Polar distribution charts](image)

**DLK2 ORDERING EXAMPLE**

<table>
<thead>
<tr>
<th>PRODUCT</th>
<th>TYPE</th>
<th>COLOUR TEMP</th>
<th>OPTICS</th>
<th>SUPPLY OPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>DLK2</td>
<td>60</td>
<td>CWT</td>
<td>BW3</td>
<td>MP</td>
</tr>
</tbody>
</table>

1. If SUPPLY OPTION is not specified, Standard Configuration Mains Powered will be supplied.
2. Dark Sky Hood (DS) only available for Warm White LEDs (WWT)

* Drawing not to scale