



Technology with Vision

IMPROVE LIGHTING AND SAFETY

Reduce downtime and maintenance

**HELLA LED LIGHTING
REAL PROVEN SOLUTIONS**



HELLA LED Lighting and Application Design Services

- Application 3D lighting designs
- Cost savings calculator
- Mobile, Fleet and Fixed Plant
- Install training and product field trials
- Project-specific product selection
- Improved productivity and safety

In addition to the full range of innovative HELLA lighting products and accessories available to the Mining industry, HELLA offers an engineered Lighting Application Design Service for both mobile and fixed plant equipment. This unique service provides customers and OEMs simulated designs to accurately evaluate lighting solutions and projected cost and safety benefits.

We use appropriate, proven technologies and systems to provide an engineering-based, application-focussed, customised solution.



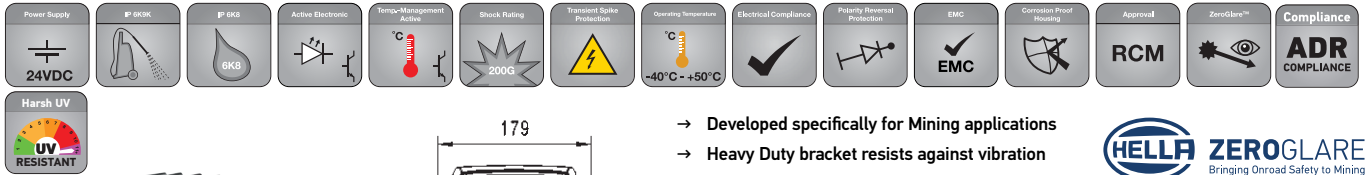
3D design sample displaying simulated light output levels, orientation and positioning.

Distributed by:



RokLUME™ 380 N

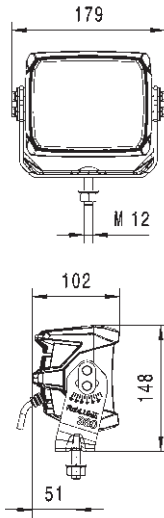
This LED product has the following features:



ZeroGlare™ Version



Pencil Beam Version



- Developed specifically for Mining applications
- Heavy Duty bracket resists against vibration
- Light distribution optimised for Mining machinery

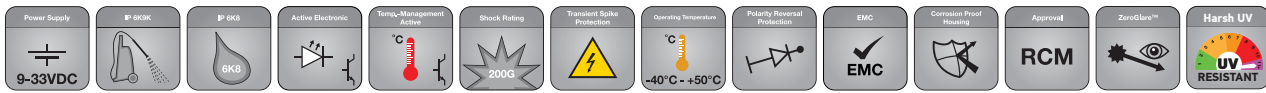
Light output (measured): up to 7,800 lumen, power requirement: 84 Watt, colour temperature: 5,000° Kelvin, 24 V, reverse polarity protection, transient spike circuit protection, overvoltage protection, thermal management, IP 6K9K/IP 6K8 (high pressure cleaning resistant/submersible), ECE-R10 approved, CISPR 25 Class 5, RCM compliance, Heavy Duty stainless steel surrounding bracket 165 mm, double insulated silicone supply cable with DT Connector, NanoSafe (non-stick and easy to clean surface coating), high impact hardcoated PC lens, Heavy Duty cable gland offers bend protection, mounting angle guide, premium aluminium housing for mining use, mounting standing/hanging, Nord-Lock washers, DT counterpart included.

Name	Part Number
RokLUME 380 N Zero Glare	1GA996 197 001
RokLUME 380 N Close Range	1GA996 197 011
RokLUME 380 N Long Range	1GA996 197 021
RokLUME 380 N Pencil Beam	1GA996 197 041
RokLUME 380 N Flood	1GA996 197 031

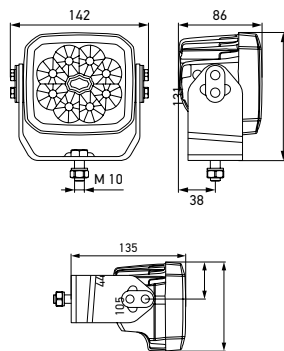


RokLUME™ 280 N

This LED product has the following features:



Long Range Version



- Compact size suitable for all Mining machinery
- Corrosion resistant NanoSafe coating
- Heavy Duty bracket resists against vibration

Light output (measured): up to 5,000 lumen, power requirement: 50 Watt, colour temperature: 5,000° Kelvin, Multivolt™, reverse polarity protection, transient spike circuit protection, over-voltage protection, thermal management, IP 6K9K / IP 6K8 (high pressure cleaning resistant / submersible), DT Connector, high impact nylon lens, NanoSafe (non-stick and easy to clean surface coating), mounting angle guide, ECE-R10 approved, RCM compliance, premium aluminium housing for mining use, Nord-Lock washers, DT counterpart included, mounting stand/hang, Heavy Duty surrounding-bracket, RCM compliance, CISPR 25 class 5.

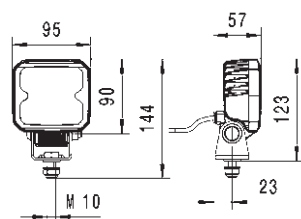
Name	Part Number
RokLUME 280 N Zero Glare	1GA995 606 541
RokLUME 280 N Close Range	1GA995 706 501
RokLUME 280 N Long Range	1GA995 706 511
RokLUME 280 N Pencil Beam	1GA995 706 531
RokLUME 280 N Tunnel Flood	1GA995 706 551
RokLUME 280 N Diffused Flood	1GA995 706 541

RokLUME™ 155 TP

This LED product has the following features:



Close Range Version



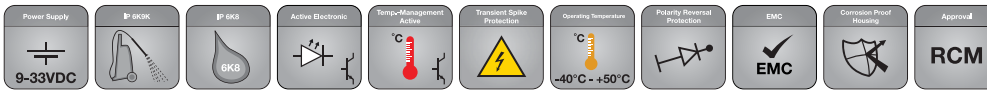
- Developed specifically for Mining applications
- Thermo plastic housing
- Compact size

Light output (measured): up to 1,200 lumen, power requirement: 15 Watt, colour temperature: 5,000° Kelvin, Multivolt™, reverse polarity protection, transient spike circuit protection, over-voltage protection, thermal management, IP 6K9K / IP 6K8 (high pressure cleaning resistant / submersible), ECE-R10 approved, RCM compliance, high quality thermo plastic housing for Heavy Duty use, mounting standing / hanging, harness with DT Connector, Heavy Duty surrounding-bracket.

Name	Part Number
RokLUME 155 TP Close Range	1GA996 284 051
RokLUME 155 TP Long Range	1GA996 284 061

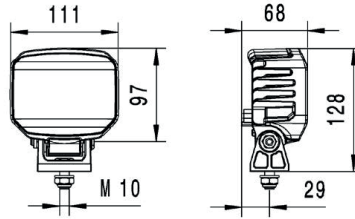
RokLUME 190TP

This LED product has the following features:



The RokLume 190TP is a 1,850 lumen, robust work lamp designed specifically for mining. The innovative Thermo plastic housing reduces weight and offers complete corrosion resistance.

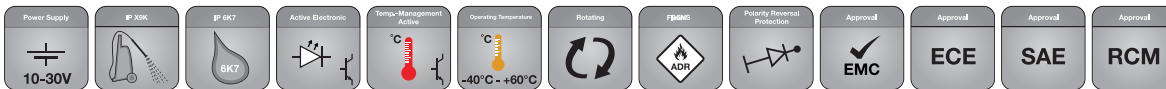
Name	Part Number
Close Range	1GA 996 488-501
Long Range	1GA 996 488-511



Long Range version

UltraRay 2.0 Rotating

This LED product has the following features:

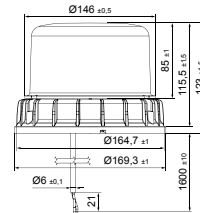


- Rotating or flashing LED light function
- Double lighting system
- Large light exit area
- Long service life

Multivolt, max. 22 Watt, Transient Spike Protection, Reverse Polarity Protection, IP 6K9K / IP 6K7, ADR / GG VSEB approved, ECE-R10 approved, RCM compliance, CISPR 25 class 5, SAE J845 class 1, installation Ø 130 mm, Ø 150 mm (SAE), impact resistant Polycarbonate lens.

Name	Part Number
UltraRay 2.0 Rotating Fix Amber	2RL 012 983 001
UltraRay 2.0 Rotating Magnetic Amber	2RL 012 983 101

Also Available in Blue, Red, White, Green



Also available in these coloured lenses:



UltraRay Beacon - Amber

K-LED

This LED product has the following features:

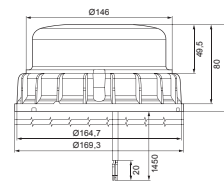


- Developed specifically for Mining applications
- Heavy Duty bracket resists against vibration
- Light distribution optimised for Mining machinery

MultivoltTM 10 – 32 VDC, max. 30 Watt, Transient Spike Protection, Reverse Polarity Protection, IP 6K9K / IP 6K7, ADR / GG VSEB approved, ECE-R10 approved, (high pressure cleaning resistant / submersible) low profile beacon, height only 87.6 mm, installation Ø 130 mm and SAE Ø 150 mm possible, amber and red ECE (ECE-R65 TA2, ECE-R65 TR2) and SAE (SAE J845 class 1) compliant, impact resistant Polycarbonate lens, RCM compliance, rotating or 17 flashing pattern, light sensor for daylight detection.

Name	Part Number
K-LED Fix Amber	HM9600ADIR

Also Available in Blue, Red, Green



Also available in these coloured lenses:



K-LED Beacon - Amber

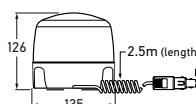
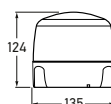
RotaLED

This LED product has the following features:



RotaLED was developed for heavy duty applications. The flexible base and impact resistant lens ensures reliable protection from shocks. Meets the highest EMC standards ensuring interference free operation (CISPR 25 Class 5). MultivoltTM 10-32V DC.

Name	Part Number
RotaLed Rotating Fixed Amber	1611
RotaLed Rotating Pole Amber	1612
RotaLed Rotating Magnetic Amber	1613

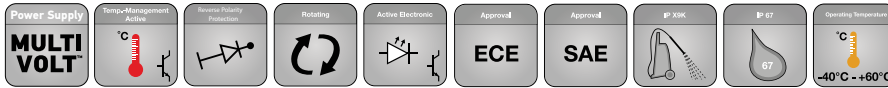


RotaLED Beacon - Amber



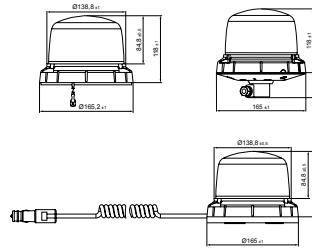
Class 1 RotaLED

This LED product has the following features:



RotaLED Compact Class 1 is a powerful warning beacon that meets SAE J845 Class 1 approval. Using high power LEDs and advanced electronics it provides a highly visible rotating warning light pattern without the need for moving parts, ensuring greater reliability and a long, maintenance-free operating lifespan.

Name	Part Number
Fixed Mount	2RL 014 979-041
Pipe Mount	2RL 014 979-051
Magnetic Mount	2RL 014 979-061



C140

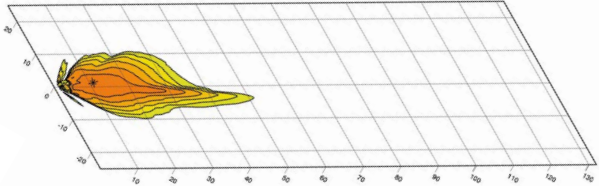
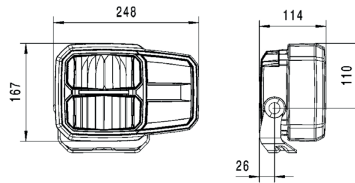
This LED product has the following features:



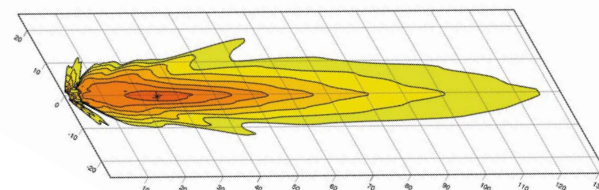
- Combination headlight with 100% LED technology
- Excellent light distribution
- For extreme and highly demanding applications

The C140 LED is a combination headlight that features all light functions in LED technology: low beam, high beam, indicator and position light. A specially developed thermal design with temperature sensors prevents the headlight from overheating.

Name	Part Number
Left side, horizontal	1LE 996 374-031
Right side, horizontal	1LE 996 374-041



Low beam

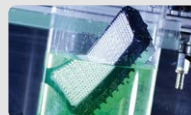


High beam

lux >= 0 1 2 4 8 16 32 64

TECHNICAL DATA

Operating voltage (U _b)	10-32 V DC
Recommended tilt angle	0° to 10°
Lighting technology	LED
Energy consumption	Low beam 12 V / 25 W 24 V / 25 W
	High beam 12 V / 40 W 24 V / 40 W
	Indicator 12 V / 8 W 24 V / 7 W
	Position light 12 V / 0,4 W 24 V / 0,8 W
Protection class	IP 6K9K
Compliance	(E) 4080 R112/01 Low & High Beam (Ref 17.5) (E) 4079 R6 Cat.1b & 5, R7/02 (E) 7455 R10/04
Housing	Aluminium
Carrier frame	Heavy-duty
Connection	DEUTSCH connector, 6-pole
Lens	Polycarbonate
Reverse polarity protection	Yes



With over 6,000 HELLA employees working in R&D, HELLA products are designed, tested and proven for quality and performance.

Distributed by:

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