

HAZARDOUS AREA LIGHTING

EXPLOSION PROOF LED HAND LAMP

AR-EX-SC SERIES

Portable high-output work light engineered for Zone 1, Zone 2, Zone 21 and Zone 22 hazardous locations.

**ENGINEERED FOR EXTREMES.
TRUSTED FOR SAFETY.**



YEAR 2026

ISO 9001:2015 QMS | ISO 45001:2018 HSE



Certified performance for hazardous environments.

A portable LED hand lamp designed for demanding industrial maintenance, inspection and service work.



AR-EX-SC

Explosion-Proof LED Hand Lamp

ENGINEERED FOR SAFETY

Built to perform where flammable gases, vapors, dusts or fibers may be present.

High-efficiency LED technology, rugged construction and engineered cable retention support reliable operation in demanding field conditions.

Z1**Zones
1 / 2**

Gas hazardous
areas

Z2**Zones 21 /
22**

Dust hazardous
areas

7J**7 J**

Impact
resistance

IP**IP66**

Dust-tight /
water-jet
protected

T**-40 to +50 C**

Operating
range

360**360 deg**

Wide luminous
coverage

QUALIFICATION REFERENCES

**ATEX**

EU EXPLOSION PROTECTION

- II 2 G Ex db eb IIC T6 Gb
- II 2 D Ex tb IIIC T80 C Db
- Certificate: SEV 20 ATEX 0369 X

**IECEX**

INTERNATIONAL CERTIFICATION

- Ex db eb IIC T6 Gb
- Ex tb IIIC T80 C Db
- Certificate: IECEX SEV 20.0003X

Certification references are reproduced from the supplied technical specification. Final nameplate, brand authorization and certificate applicability must follow approved certification documentation.

BUILT AROUND DURABILITY.

Materials selected for protection, handling comfort and long service life.



CONSTRUCTION

H**304 stainless-steel hook**

Corrosion-resistant suspension point.

G**Low-carbon steel guard**

Protective cage around the lamp chamber.

C**Tempered glass cover**

>90% light transmission and shock resistance.

R**Aluminum + rubber handle**

Robust core with comfortable grip.

Performance advantages

Efficient LED architecture and field-ready protection.

LED**3030 LED**

LM80-certified light source

kV**4 kV / 6 kV**

Surge protection design

L70**>50,000 h**

Rated L70 service life

lm**130 lm/W**

Nominal light efficacy

Material stack

H**Hook**

304 SS

G**Guard**

Low-carbon steel

C**Cover**

Tempered glass

A**Housing**

ADC12 aluminum

R**Handle**

Rubber overmold

Application areas



Confined Space



Oil Tank Area



Oil & Gas Factory



Offshore Platform



Chemical Plant



Mines & Tunnels

Also suitable for wastewater treatment, aviation bases, food, pharmaceutical and beverage processing facilities where hazardous gases, vapors, dusts, fibers or fumes may be present.

AR-EX-SC Series - model selection

Three wattage levels with multiple AC and low-voltage DC configurations.

MODEL	WATTAGE	NOMINAL LUMEN	VOLTAGE OPTIONS	IP
AR-EX-SC-10W	10 W	1,300 lm	110-277 V AC / 220-240 V AC 24 V DC / 12 V DC	IP66
AR-EX-SC-20W	20 W	2,600 lm	110-277 V AC / 220-240 V AC 24 V DC / 12 V DC	IP66
AR-EX-SC-30W	30 W	3,900 lm	110-277 V AC / 220-240 V AC 24 V DC / 12 V DC	IP66

Nominal lumen values are calculated from the specified 130 lm/W efficacy. Confirm final output against the approved photometric report and selected driver configuration.

ELECTRICAL & OPTICAL

Light efficacy	130 lm/W
Color temperature	3000K-6500K
CRI	Ra >= 70
Beam angle	360 deg
Power factor	> 0.95
THD	< 10%
LED source	3030 LED, LM80

MECHANICAL & ENVIRONMENTAL

Rated lifetime	> 50,000 h (L70)
Operating temp.	-40 C to +50 C
Surge protection	4 kV / 6 kV
Impact resistance	7 J
Cable entry	M20 x 1.5
Standard cable	3-core rubber, 0.5 m
Housing	ADC12, powder-coated

ORDERING NOTE | Voltage, wattage, CCT, hook configuration and cable assembly must be confirmed at order stage.

Two hook configurations. One rugged platform. platform.

Select the suspension arrangement to match the task and work area.

SIDE HOOK



Carton: 475 x 200 x 150 mm | Net: 2.4 kg | Gross: 2.65 kg

TOP HOOK



Carton: 570 x 140 x 150 mm | Net: 2.4 kg | Gross: 2.7 kg

Example project assembly



Cable & control options

The supplied photograph illustrates a lamp connected to a remote enclosure and extended heavy-duty cable assembly.

- Remote enclosure**
Project-specific driver/control housing.
- Cable entry**
M20 x 1.5 standard entry size.
- Cable assembly**
0.5 m standard lamp cable; extended lengths by project.

Configuration shown is illustrative. Final enclosure, cable type, cable length and wiring shall follow the approved order and installation requirements.



LET'S LIGHT SAFER WORKSPACES.

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ISO 9001:2015 QMS | ISO 45001:2018 HSE



Lighting the Future with Advanced LED Technology.

Specifications are subject to change without prior notice. Final compliance, electrical configuration, product marking and installation requirements are subject to approved order documentation.

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