

CEAG Products
Portable Ex-Solutions

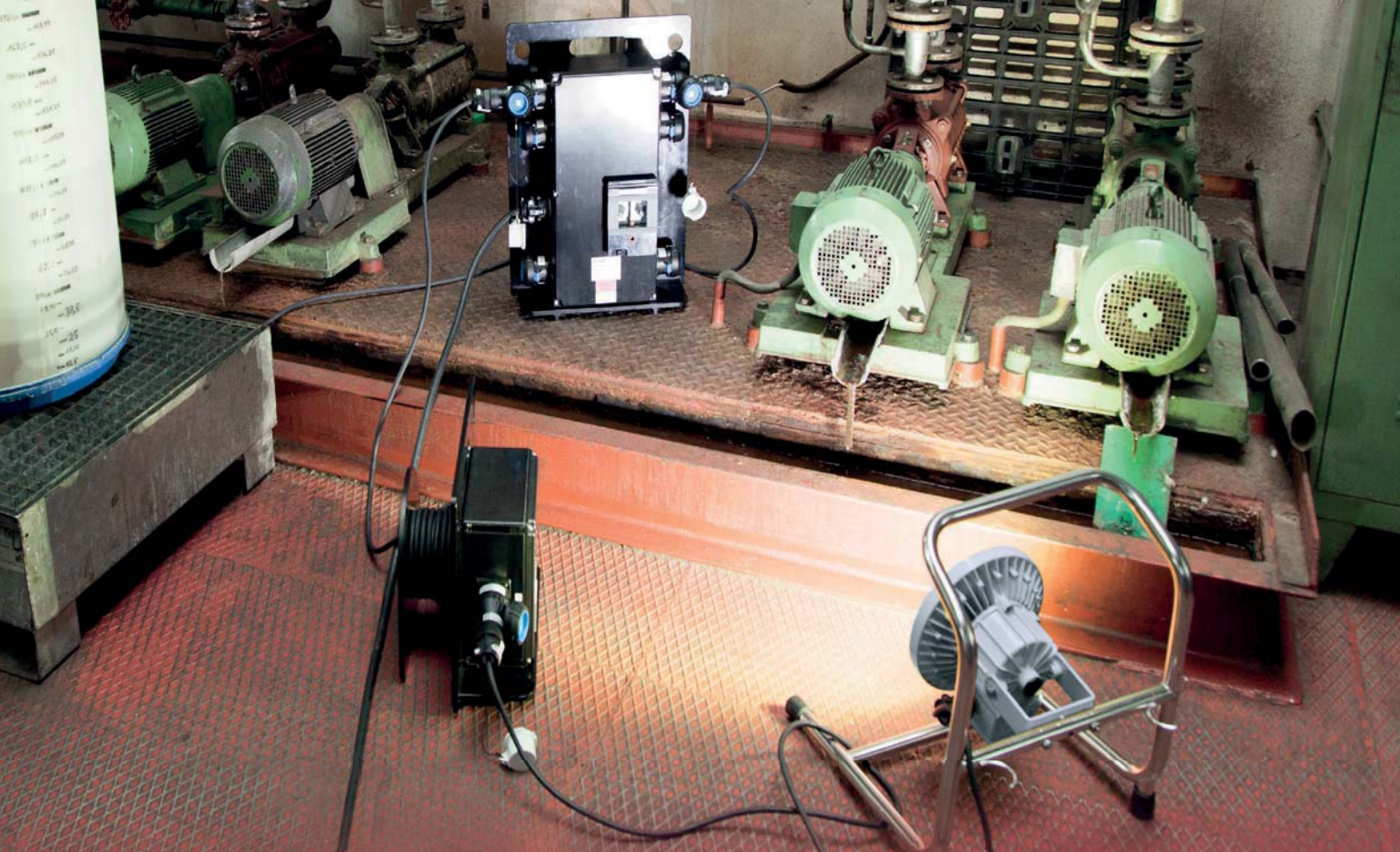
CROUSE-HINDS
SERIES



Facilitate your Maintenance
in Hazardous Areas
en-lighting portable solutions

EATON

Powering Business Worldwide



Powering Business Worldwide

You are challenged with increasing efficiency and flexibility, reducing downtime and ensuring workplace safety, all while maintaining compliance with new and existing regulatory requirements.

Eaton's Crouse-Hinds has the solutions specifically designed for harsh environments where oils, chemicals, detergents and wash downs are commonplace.

Our field-proven products offer inventive designs for reducing downtime, delivering labor savings and ensuring personnel and equipment safety in the workplace.

Eaton's Crouse-Hinds division offers a range of cable fittings, enclosures, plugs and receptacles, industrial lighting fixtures, signals and alarms, and

electronic components designed for the most demanding environments. We serve customers in the industrial and manufacturing, mining, oil and gas, solar, infrastructure and other markets.

With the brand of CEAG we develop and manufacture electrical products that provide safety, productivity, innovation and labour savings in hazardous, industrial and commercial environments - for more than 100 years.

We design, configure and manufacture explosion-protected electrical equipment for your safety. Of course we are certified for all functional areas according to the latest quality standards ISO 9001:2008 and in addition for the necessary explosion protection according to DIN EN 13980 / IECEx OD005.

We will implement consistently your specifications according to current directives and standards at the application site.





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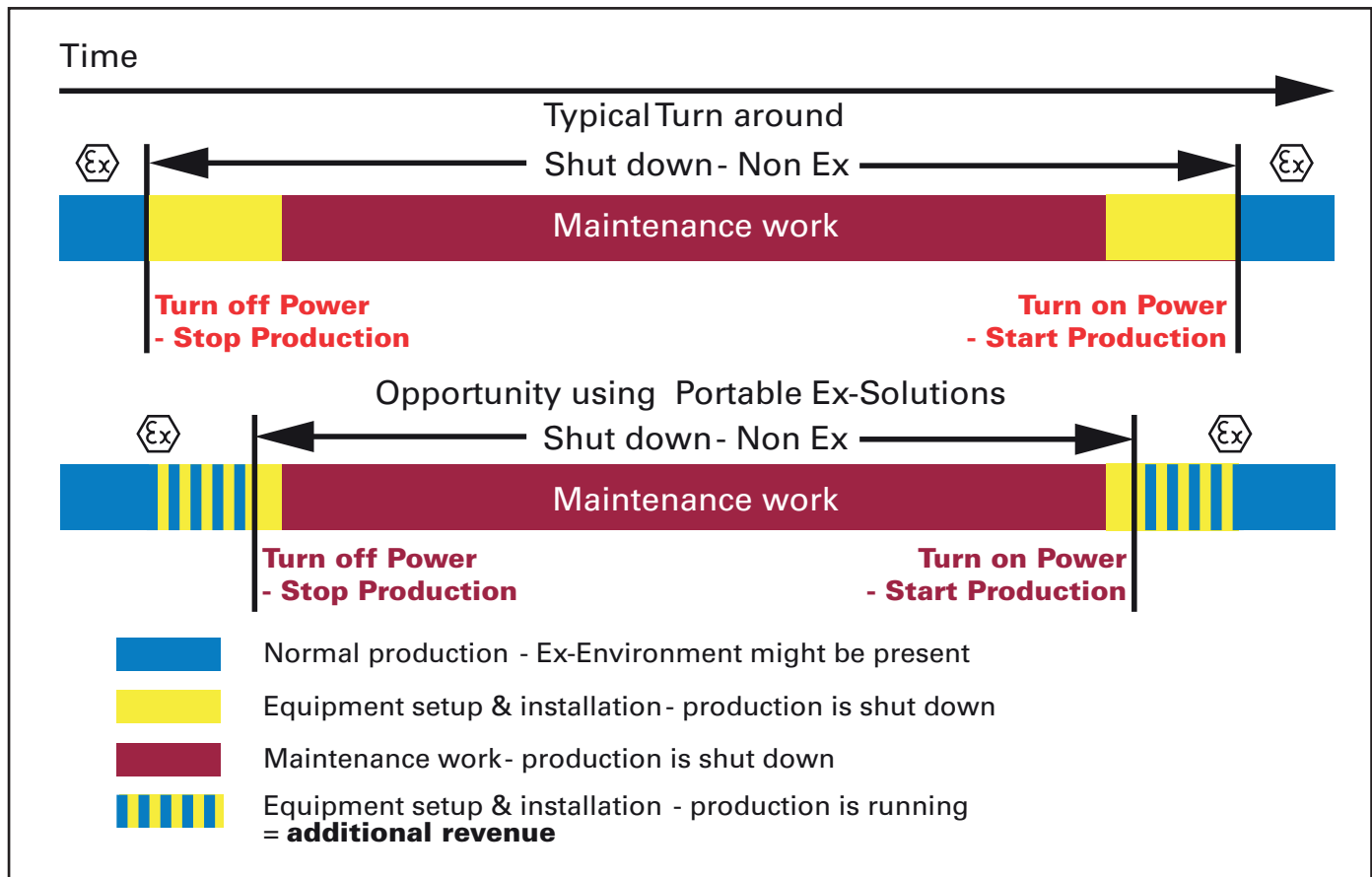
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Portable Ex-Solutions

Speed up your servicing



Spend less money and earn more productivity

The servicing and maintenance of electrical equipment in hazardous areas can be time-consuming and costly, particularly if engineers are not provided with the right tools to carry out the job quickly and safely in advance.

With our Ex portable solutions you can start right away - no need to issue and wait for a hot work permit. This significantly reduces your downtime.

The installation of explosion-protected electrical equipment for electrical energy supply and safe lighting for mounting, repair and maintenance in hazardous areas can be started while the facility is still in operation.

The necessary downtime can be reduced and even planning errors can be seen in the run-up and missing equipment can be provided in time.



Ex Portable solutions – a new kind of range

From bright, safe and reliable lighting, even in confined spaces to flexible power provision, we know you face a myriad of challenges when servicing & maintaining your facility.

You are challenged with increasing efficiency and flexibility, reducing downtime and ensuring workplace safety, all while maintaining compliance with new and existing Ex regulatory requirements.

Eaton's Crouse-Hinds Ex portable solutions are specifically designed for the harshest environments where oils, chemicals, detergents and wash downs are commonplace.

Our products are designed to withstand extreme working conditions such as aggressive

atmospheres, dust, heat or coldness in the most demanding environments.

Our field-proven Ex portable solutions put the safety of personnel and equipment in the first place.

Explore our new kind of range. Please be aware that this brochure just shows you the first part of the portable range: Ex-portable lighting. Soon our offering will be expanded with our Ex-portable power capacities.

If you need a more customised portable solution, please contact our Customer Centre which awaits your specific requirements in order to create a dedicated solution just made for you.

Eaton - your number 1 choice for harsh & hazardous areas

Maintenance of industrial plants in hazardous areas

With the growing complexity of industrial plants, requirements also grow for safe operations and related to this, safer and more efficient maintenance.

The latter must be able to guarantee the safe functioning of a plant at any time, and hence to minimise the downtime.

This is a task which demands a lot of the servicing team. It can become particularly difficult when service work is to be carried out in hazardous areas during operation, as the issuing of a hot work permit generally costs a considerable amount of effort and an inevitable stop in operations. When selecting equipment, user's priority are on:

- Longevity
- Low maintenance effort
- Simple maintenance

Minimum Zone 1

Special attention has to be paid to portable electrical apparatus since there are no physical barriers between the hazardous areas, which are subdivided into zones.

For this reason, all portable solutions of our CEAG™ brand have been approved for Zone 1 hazardous areas. Zone 2 is automatically included.



Eaton's Crouse-Hinds Division also offers solutions for Zone 0 (which exists, for example in closed tanks), Zone 21 and Zone 22 hazardous dust Ex-areas.

Robustness for your safety

The portable solutions are mainly made of copper-free aluminium or high-quality impact resistant plastic (e.g. polyamide or polycarbonate). To reduce the surface resistance of the enclosures, conductive substances are added, thus preventing electrostatic charges.

You also do not need to pay extra care when transporting and installing the products. As for example our portable LEL is designed for portable use.



Advanced and most reliable lighting technology

All portable solutions are available with LED modules. The high-power LEDs with low energy requirement provide a uniform, pin-sharp light cone and, as a result, an optimal illumination of the working area.

In addition to this well proven light solutions with fluorescent lamps are also available.



Do not get left in the dark

In the event of a power failure or emergency situation you can rely on our battery backed up portable lighting. For example the portable Ex searchlight SEB 10 provides you with approximated 6 hours with 230 lumen guiding you the way out.



Flexible power wherever you need it

Robust and easy to handle - explosion protected cable reels and power cords reliably supply you with electrical energy even in areas where stationary circuit breaker panels are far away. With our portable multi-outlet distributions you can connect different equipment to a single line.



One partner for all your portable needs

From configured portable solutions up to single components such light fittings, cable reels, power distributions or power cords, we provide a vast range of portable lighting and power. Eaton not only configures and delivers your customised solution but also manufactures single components for nearly every application.

Portable Ex-Solutions

Complete lighting and power solutions

Lighting solutions

Ex-torchlights

Reliable and safe, the Stabex series is particularly suitable for use during rescue and emergency operations, as well as for control and inspection patrols.



Hand- & machine lamps

Mains powered linear light fittings with a wide variety of lumen output from 200 up to 4780 lm for every lighting need, in 180° (indirect illumination) or 360° (all-round illumination) light output available.



Temporary Lighting

Equipped with the appropriate accessories such as hooks, pipe clamps or magnets the eLLK and machine lamp range can be used for temporary lighting.

They can even be linked together up to 7 light fittings, which provide a spotless light chain without reducing light output.



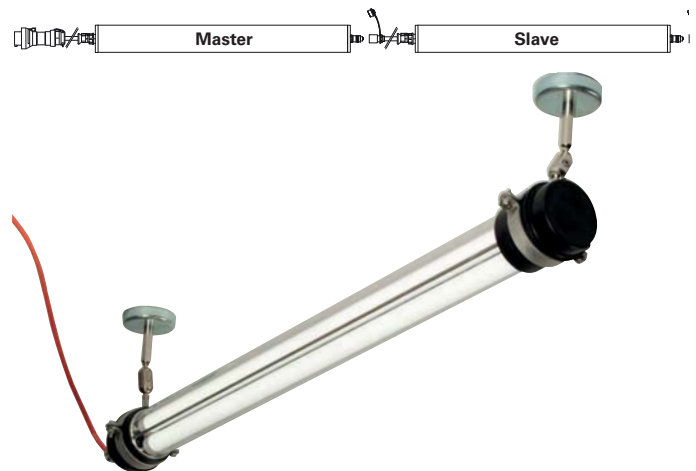
Ex-searchlights

Extremely robust and bright searchlights, the SEB 10 and HE9 Basic LED are ideally suited for use in all work areas with high mechanical requirements and a harsh & hazardous environment.



Portable Ex-floodlight

The light weight Zone 1 and 21 LEL LED floodlight with its high lumen output is ideal for the illumination in harsh & hazardous areas.



Power supply solutions

The portable power distribution product range will be available soon

Home at all Places

Applications for Ex portable solutions

Marine/Offshore



Industrial plants



Public utilities



Oil & gas industry



Water cond./waste water treatment



Confined spaces



Tank/vessel inspection & cleaning



Construction site



Painting shops



Chemical industry



Explosion protected torches

Explosion protected torch light series Stabex



Ex-Zone 0, 1, 2, 21 and 22

Features and benefits

- For harsh and hazardous areas, even in Zone 0 (Stabex HF LED), both are certified according to ATEX as well as IECEx
- The torches of the Stabex series are suitable for use during rescue and emergency operations, as well as for control and inspection patrols
- Single-handed operation- even with work gloves
- Both torches can be fixed and transported easily (mini torch light with fastening clip, HF LED with a wrist strap)
- High degree of protection IP 65/66
- Light cone can be focussed (only Stabex mini LED)
- Scratch proof mineral glass, ideal for rough conditions

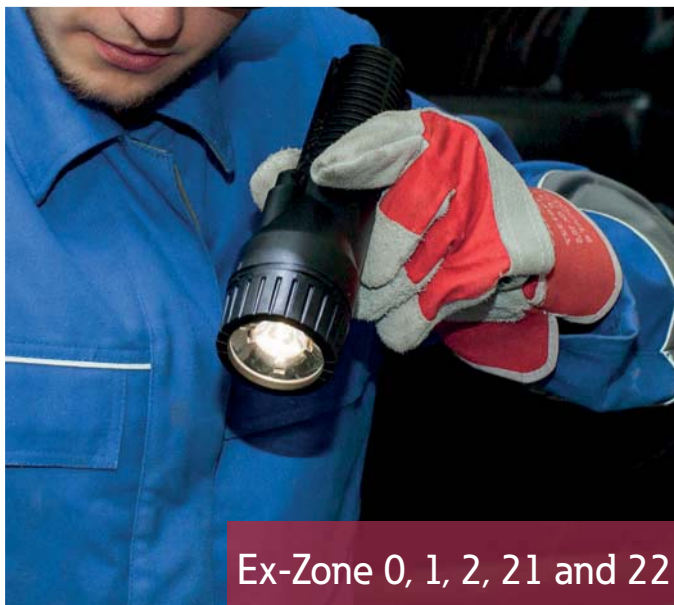
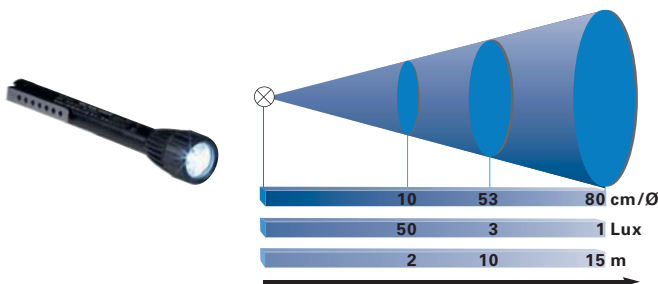
Explosion protected torches

Explosion protected torch light series Stabex



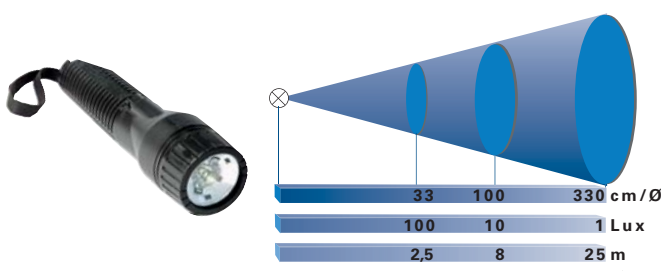
Ex-Zone 1, 2, 21 and 22

Range-diagram Stabex mini LED



Ex-Zone 0, 1, 2, 21 and 22

Range-diagram Stabex HF-LED



Slim solution: Stabex Mini LED

Technical data	Stabex mini LED
EC-Type Examination Certificate	BVS 08 ATEX E 158
IECEx Certificate of Conformity	IECEx BVS 11.0001
Marking accd. to 2014/34/EU	II 2 G Ex e ib IIC T4/ II 2 D Ex td A21 IP66 T85 °C
Permissible ambient temperature	-20 °C up to +40 °C; specified data: 0 °C up to +30 °C (battery)
Battery	3 dry cell AA-size IEC 60086 R 6/LR6
Rated operation duration	approx. 8 h
Lamp/illuminant, rated luminous flux	1 W Power LED, approx. 20 lm
Dimensions L x W x H	228 x Ø 34 mm
Enclosure material	Aluminium
Weight	0.12 kg (without batteries)
Degree of protection accd. to EN 60529	IP 66

Ordering details	Scope of delivery	Order unit	Order No.
Stabex mini LED	with LED, without battery	10	1 1360 000 006

Robust solution: Stabex HF LED

Technical data	Stabex HF LED
EC-Type Examination Certificate	BVS 11 ATEX E 174
IECEx Certificate of Conformity	IECEx BVS 14.0072
Marking accd. to 2014/34/EU	II 1 G Ex ia IIC T4 Ga II 2 D Ex tb IIIC T80 °C Db
Permissible ambient temperature	-20 °C up to +40 °C; specified data: 0 °C up to +30 °C (battery)
Battery	2 batteries IEC 60086 LR20
Rated operation duration	approx. 9 h
Lamp/illuminant, rated luminous flux	2 W Power LED, approx. 70 lm
Dimensions L x W x H	220 x Ø 60 mm
Enclosure material	Polyamide
Weight	0.29 kg (without batteries)
Degree of protection accd. to EN 60529	IP 65

Ordering details	Scope of delivery	Order unit	Order No.
Stabex HF LED	with 2 W LED, without battery	1	1 1359 001 001

Explosion protected searchlights

Explosion protected search light SEB 10 & HE9 Basic LED



Ex-Zone 1, 2, 21 and 22

Features and Benefits

- Depending on your requirements (e.g. Ex-Zone 1 and T4) and budgets you can choose between our premium SEB 10 (with boost function) or the light weight HE9 Basic LED (only 0.78 kg incl. rechargeable battery).
- Light on the spot for a reliable time: High power LED modules and modern lithium technology provide you with light output up to 365 lumen (SEB 10 boost function) and operation duration up to 8 hours.
- User friendly: The ergonomic switch at both searchlights ensures easy usability, no fuss with complicate buttons. With one-hand handling, even when wearing thick gloves, the switch adjusts easily to the required light function.
- No compromise on quality: Only the most robust and high impact resistant design (e.g. rugged polyamide enclosure) has been chosen for our searchlights. Both searchlights are ideal to withstand the challenging environments and harsh conditions (high mechanical requirements, humid environments). In fact, our search lights even survive even a 3 times fall of 1 metre at -25°C. Easy and quick maintenance: No waste of time with our lights. Whether you decide to exchange the battery insert of the HE 9 Basic LED in less than 60 seconds or simply drop any battery service tests with the SEB 10 (as this is not necessary with our modern light fitting): These time savings are yours.

Explosion protected searchlights

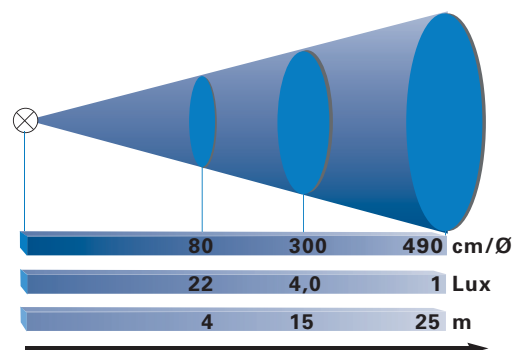
Explosion protected search light SEB 10 & HE9 Basic LED



Ex-Zone 1 and 2

HE 9 Basic LED

Range-
diagram
HE 9 Basic
LED



Technical data	HE 9 Basic LED
EC-Type Examination Certificate	BVS 11 ATEX E 087
Marking accd. to 2014/34/EU	II 2 G Ex ib IIC T4 Gb
Permissible ambient temperature	-25 °C up to +40 °C; specified data: 0 °C up to +40 °C (battery)
Battery	Li-Ion-accumulator 3.75 V / 4.8 Ah
Rated operation duration	approx. 8 h
Luminous flux of the luminaire	92 lm
Dimensions (L x W x H)	196 x 97 x 126 mm
Enclosure, colour	Polyamide, black
Weight	0.78 kg (with battery)
Degree of protection accd. to EN 60529	IP65

Ordering details	Scope of delivery	Order No.
Set HE 9 Basic LED with charger	Searchlight HE 9 Basic LED with Li-Ion battery insert and charger plug	1 1118 800 800

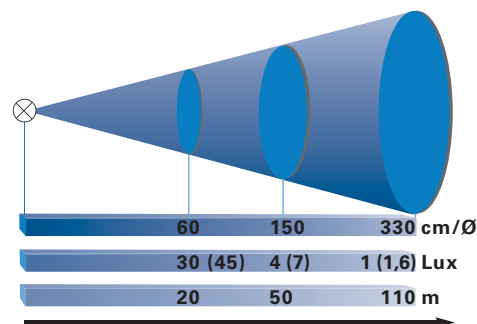
Explosion protected hand lamps

Explosion protected search light SEB 10

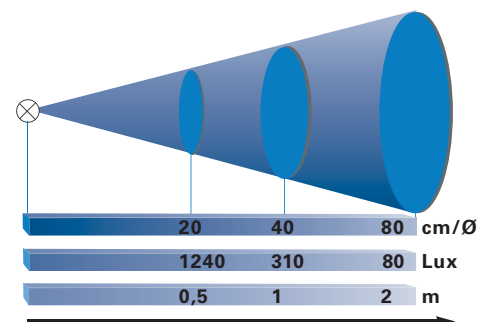


SEB 10 - premium searchlight

Range diagram
SEB 10 searchlight
(values in brackets
for boost operation)



SEB 10
working light



Technical data	SEB 10
EC-Type Examination Certificate	BVS 15 ATEX E 122 X
Marking accd. to 2014/34/EU	II 2 G Ex e ib mb IIC T4 Gb / II 2 D Ex tb IIIC T85 °C Db IP 65
Permissible ambient temperature	-20 °C up to +40 °C; specified data: 0 °C up to +30 °C (battery)
Battery	9.6 V 3 Ah rechargeable LiFePO ₄ battery
Rated operation duration	approx. 8 h
Luminous flux of the luminaire	210 lm (work light), 230 lm (search light)/ 365 lm (boost function)
Dimensions (L x W x H)	325 x 119 x 146.5 mm
Enclosure, colour	Polyamide, black
Function	Microprocessor controlled operating period indication, capacity dependant charge flashing light, emergency light, back-up light when low capacity, rechargeable with LG 443 or motor vehicle charger 90

Ordering details	Scope of delivery	Order unit	Order Nr.
Set with mains charger	Complete package SEB 10 incl. charger LG 443	1	1 1147 443 820
Set with motor vehicle charger	Complete package SEB 10 incl. motor vehicle charger 90	1	1 1147 792 820
Set with slip-on filter	Complete package SEB 10 incl. coloured slip-on filter	1	1 1147 300 820
SEB 10 L	with twin-lens high power LED system lithium-iron-phosphate battery (rechargeable directly via mains lead, with LG 443 or motor vehicle charger 90)	1	1 1147 000 810



Ex-protected mains powered portable lamps

Explosion protected hand & machine lamps



Ex-Zone 1, 2, 21 and 22

Features and Benefits

- Wide voltage range 85- 264 V AC/DC for general application, 12- 24 V AC/DC for confined spaces e.g. metal tanks)
- ATEX & IECEx certified for use in Zone 1 & 2 as well Zone 21 & 22
- Lumen output from 200 lm up to 4780 lm for every lighting application
- Light output in 180° (directional lighting) or 360° (all around lighting) available
- Lightweight (1 kg up to 4 kg) for user friendly experience without compromising on robustness (polycarbonate tube)
- On request:
 - isolating transformer (for extra personal protection inside metal tanks or confined spaces),
 - Zone 0 handlamp (with external supply device),
 - dust version (e.g. for food & beverage industry),
 - tube of borosilicate glass (allow cleaning with solvents, e.g. printing machines)
 - industrial versions
- Wide range of mounting accessories available

Ex-protected mains powered portable lamps

Explosion protected hand & machine lamps



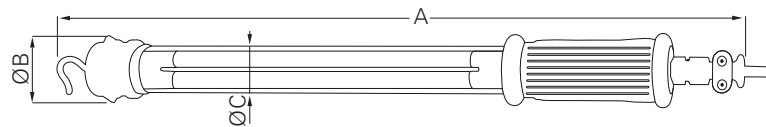
Handlamps, LED and fluorescent

Technical data	HL 43 LED
EC-Type Examination Certificate	BVS 14 ATEX E 006 X
IECEx Certificate of Conformity	IECEx BVS 14.0068X
Marking accd. to 2014/34/EU	Ⓔ II 2 G Ex d IIC T5 Gb / Ⓔ II 2 D Ex tb IIIC T95 °C Db
Permissible ambient temperature	-20 °C up to +60 °C
Mains cord	cable 5 m, 3 x 1.5 mm ² , without plug ¹⁾
Degree of protection accd. to EN 60529	IP 68 ²⁾
Protection tube	Polycarbonate

¹⁾ Ex-protected plugs see catalogue 2 part 1 electrical connectivity

²⁾ 2.5 m for 24 h

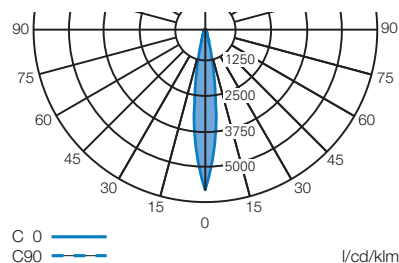
Dimension drawing handlamp



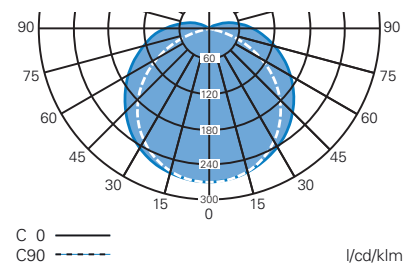
Ordering details

Type	Lamp power	Voltage	Luminous flux	A	Ø B	Ø C	Order No.
HL43d LED6 460	6 W LED	12 - 24 V DC	315 lm	640 mm	66 mm	43 mm	1 1700 000 003
HL43d LED6 460	6 W LED	24 - 50 V AC/DC	315 lm	640 mm	66 mm	43 mm	1 1700 000 004
HL43d LED6 460	6 W LED	85 - 264 V AC; 120 - 370 V DC	315 lm	640 mm	66 mm	43 mm	1 1700 000 107
HL43d 8 460	1 x 8 W T5	24 V AC/DC	448 lm	640 mm	66 mm	43 mm	1 1700 000 001
HL43d 8 460	1 x 8 W T5	230 V AC/DC	448 lm	640 mm	66 mm	43 mm	1 1700 000 201
HL43d 8/2 460	2 x 8 W T5	24 V AC/DC	896 lm	640 mm	66 mm	43 mm	1 1700 000 006
HL43d 8/2 460	2 x 8 W T5	230 V AC/DC	896 lm	640 mm	66 mm	43 mm	1 1700 000 206

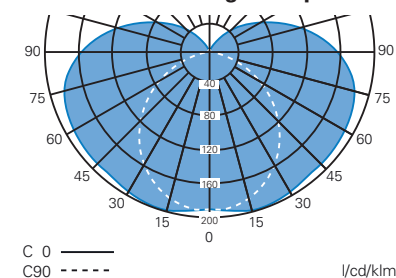
Polar curve HL43d/ML43d ... LED



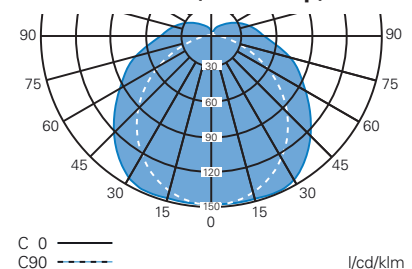
Polar curve ML60d ... LED



Polar curve HL/ML single lamp T5 /T8



Polar curve HL/ML (TC-L-Lamp) twin lamp



Ex-protected mains powered portable lamps

Explosion protected hand & machine lamps



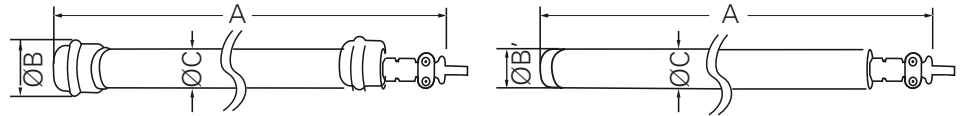
Machine lamps, LED and fluorescent

Technical data	ML...d LED... / ML... (fluorescent)	ML LED M 100 de...
EC-Type Examination Certificate	BVS 14 ATEX E 106 X	BVS 15 ATEX E 003 X
IECEx Certificate of Conformity	IECEx BVS 14.0068X	IECEx BVS 15.0014X
Marking accd. to 2014/34/EU	⚡ II 2 G Ex d IIC T5 Gb / ⚡ II 2 D Ex tb IIIC T95 °C Db	⚡ II 2 G Ex db e IIB T5 Gb / ⚡ II 2 D Ex tb IIIB T95 °C Db
Permissible ambient temperature	-20 °C up to +60 °C	-20 °C up to +60 °C
Mains cord	cable 5 m, 3 x 1.5 mm ² , without plug ¹⁾	cable 5 m, 3 x 1.5 mm ² , without plug ¹⁾
Degree of protection accd. to EN 60529	IP 68 ²⁾	IP 68 ²⁾
Protection tube	Polycarbonate	Polycarbonate

¹⁾ Ex-protected plugs see catalogue 2 pat 1 electrical connectivity

²⁾ 2.5 m for 24 h

Dimension drawing machine lamp



Ordering details

Ordering details ML... LED	Lamp power	Voltage	Luminous flux	A	Ø B/B'	Ø C	Order No.
ML43d LED6 460	6 W LED	12 - 24 V DC	315 lm	581 mm	66 mm	43 mm	1 1700 000 012
ML43d LED6 460	6 W LED	24 - 50 V AC/DC	315 lm	581 mm	66 mm	43 mm	1 1700 000 013
ML60d LED25 1480	25 W LED	24 V AC/DC	3348 lm	1601 mm	66 mm	43 mm	1 1700 000 017
ML60d LED25 1480	25 W LED	85 - 264 V AC; 120 - 370 V DC	3348 lm	1601 mm	66 mm	43 mm	1 1700 000 520
ML60d LED36 1780	36 W LED	24 V AC/DC	5220 lm	1901 mm	66 mm	43 mm	1 1700 000 018
ML60d LED36 1780	36 W LED	85 - 264 V AC; 120 - 370 V DC	5220 lm	1901 mm	66 mm	43 mm	1 1700 000 521
LEDM100de36940	36 W LED	24 - 50 V AC/DC	2560 lm	985 mm	100 mm	100 mm	1 1700 100 002
LEDM100de36940	36 W LED	85 - 264 V AC; 120 - 370 V DC	2560 lm	985 mm	100 mm	100 mm	1 1700 100 009
LEDM100de441245	44 W LED	24 - 50 V AC/DC	4200 lm	1290 mm	100 mm	100 mm	1 1700 100 003
LEDM100de441245	44 W LED	85 - 264 V AC; 120 - 370 V DC	4200 lm	1290 mm	100 mm	100 mm	1 1700 100 010

Ordering details ML... fluorescent	Lamp power	Voltage	Luminous flux	A	Ø B	Ø C	Order No.
ML43d 8 460	1 x 8 W T5	230 V AC/DC	448 lm	581 mm	66 mm	43 mm	1 1700 000 211
ML43d 8 460	1 x 8 W T5	24 V AC/DC	448 lm	581 mm	66 mm	43 mm	1 1700 000 011
ML43d 8/2 460	2 x 8 W T5	230 V AC/DC	896 lm	581 mm	66 mm	43 mm	1 1700 000 216
ML43d 8/2 460	2 x 8 W T5	24 V AC/DC	896 lm	581 mm	66 mm	43 mm	1 1700 000 016
ML60d 18 870	1 x 18 W T8	110 - 240 V AC/DC	1296 lm	991 mm	72 mm	50 mm	1 1700 000 510
ML60d 36 1480	1 x 36 W T8	110 - 240 V AC/DC	3348 lm	1601 mm	72 mm	50 mm	1 1700 000 512
ML70d 55 833 (PL)	1 x 55 W TC-L	110 - 240 V AC/DC	4780 lm	954 mm	92 mm	50 mm	1 1700 000 514
ML60d 18 918	1 x 18 W T8	24 - 50 V AC/DC	1296 lm	1041 mm	72 mm	50 mm	1 1700 000 310
ML60d 36 1528	1 x 36 W T8	24 V AC/DC	3348 lm	1651 mm	82 mm	60 mm	1 1700 000 312
ML60d 55 881 (PL)	1 x 55 W TC-L	24 - 50 V AC/DC	4780 lm	1002 mm	92 mm	70 mm	1 1700 000 314

Ex-protected temporary lighting solutions

Temporary linear light fittings type eLLK and machine lamps



Features and Benefits

- Machine lamps and linear light fittings type eLLK equipped for short term temporary fixed illumination. Time saving solution as plug in and use when the Ex atmosphere is still present.
- Ideal for maintenance works and demanding lighting applications (confined spaces, difficult to access) in Ex areas.
- Robust but light mounting accessories allow a quick and easy installation of the versatile lighting fixtures on various surfaces (e.g. with magnet inside tank/ vessels; suspension hook for railing pipes)
- Up to seven linkable linear light fittings provide a spotless light chain without reducing light output (e.g. lighting broad dark tunnel) or delivered on a transportable trolley (e.g. confined space in paint shop)
- Exclusive complete temporary lighting package (fixture, cable, mounting accessories, plug) for ease of mind
- Wide range of machine lamps and eLLKs (LED/FL, different light colour, high/low temperature) for temporary lighting package available
- Easy to move around and not sensitive in handling with the promise of flawless lighting, exactly where you need it

Ex-protected temporary lighting solutions

Temporary linear light fittings type eLLK and machine lamps

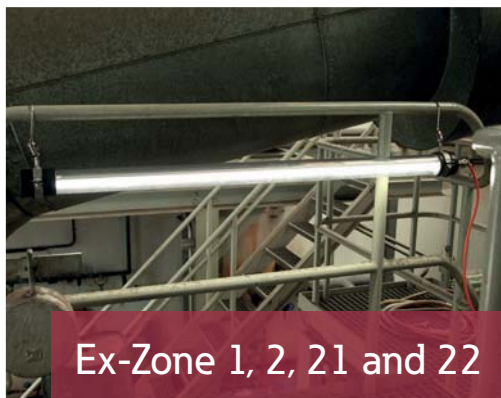


Temporary eLLK

Technical data eLLK	eLLK 92018/18 1/6	eLLK 92 LED 400 018/18 1/6
EC-Type Examination Certificate	BVS 09 ATEX E 034	
IECEX Certificate of Conformity	IECEX BVS 09 0033	
Marking accd. to 2014/34/EU	II 2 G Ex de mb IIC T4 Gb / II 2 D Ex tb IIIC T80 °C Db	
Permissible ambient temperature	-25 °C up to +55 °C (+50 °C U _n ≤ 220 V)	-25 °C up to +45 °C
Degree of protection accd. to EN 60529	IP 66	

Ordering details ¹⁾	Power	Rated voltage	Light output	OU	Order No.
Temporary eLLK FL 2x18 W ²⁾	2x18 W	110 - 254 V AC; 110 - 250 V DC	2700 lm	1	1 2265 755 101
Temporary eLLK LED 400 ²⁾	2x13 W	110 - 254 V AC; 110 - 250 V DC	2150 lm (5600 K)	1	1 2265 555 101
Suspension hook BMU 5x16x8, steel, galvanised				2	2 2480 001 000
2 pcs. pipe clamps R22 (1 1/2"), Ø 47 - 51 mm, with screws and polyamide washer, stainless steel				1	2 2480 472 000

²⁾ with trumpet shaped cable gland, mains cord 10 m H07RN-F 3 with Ex-plug 16 A 3pole and 2 eye bolts A2 M8 stainless steel A2



Temporary machine lamps

Technical data	ML LED M 100 de...
EC-Type Examination Certificate	BVS 15 ATEX E 003 X
IECEX Certificate of Conformity	IECEX BVS 15.0014X
Marking accd. to 2014/34/EU	II 2 G Ex db e IIB T5 Gb / II 2 D Ex tb IIIB T95 °C Db
Permissible ambient temperature	-20 °C up to +60 °C
Degree of protection accd. to EN 60529	IP 68 ²⁾

Ordering details ¹⁾	Power	Rated voltage	Light output	OU	Order No.
Temporary Basic ML ML 60d LED36	36 W	85 - 264 V AC; 120 - 370 V DC	5220 lm	1	1 1700 000 521
Temporary Basic ML ML 60d LED36	36 W	24 V AC/DC)	5220 lm	1	1 1700 000 018
PM 2 permanent magnet (215 mm height, 60 mm Ø, 500 N adhesion, 2/lamp needed)				1	1 1700 000 918
KH 6 suspension hook with ball joint (195 height, 60 mm Ø, 2/lamp needed)				1	1 1700 000 923

¹⁾ More variety available.
Please contact our customer centre.

¹⁾ with trumpet shaped cable gland, mains cord 5 m H07RN-F 3 without plug ²⁾ 2.5 m 24 h

Ex-protected temporary lighting solutions

Linkable linear light fittings type eLLK and machine lamps

Linkable eLLK



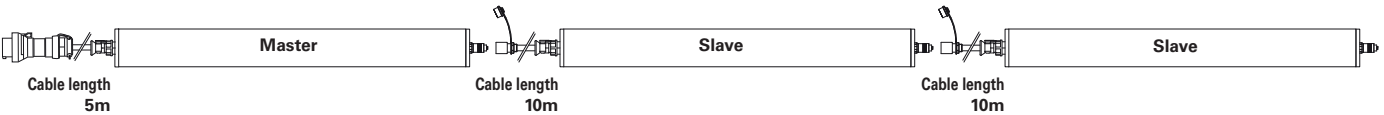
Linkable eLLK (up to 7 luminaires can be linked together)



Linkable eLLK

Type	Description	Order No.
eLLK FL 2 x18W (2700 lm)	Light fitting incl. Ex-plug 3pole, 10 m cable 3x2,5 mm ² and Ex-coupler 3pole, 1 m cable 3x2,5 mm ²	1 2265 755 103
eLLK LED 400 2 x 13 W (2150 lm / 5600 k)	Light fitting incl. Ex-plug 3pole, 10 m cable 3x2,5 mm ² and Ex-coupler 3pole, 1 m cable 3x2,5 mm ²	1 2265 555 103

Linkable machine lamps



Linkable machine lamps (up to 7 lamps can be linked together)



LEDM100 de ...Master



LEDM100 de ...Slave

Linkable machine lamp

Master Machine Lamp (incl. ExLink-plug 3pole, 5 m cable 3 x 1 mm ² and ExLink-flange socket)		Order No.
LEDM100de36940 / 2x18 W (2560 lm)	High Voltage (230 V)	1 1700 102 009
LEDM100de36940 / 2x18 W (2560 lm)	Low voltage (24 V)	1 1700 102 002
LEDM100de441245 / 2x 44 W (4200 lm)	High Voltage (230 V)	1 1700 102 010
LEDM100de441245 / 2x 44 W (4200 lm)	Low voltage (24 V)	1 1700 102 003

Slave Machine Lamp (incl. ExLink-plug 3pole, 10 m cable 3 x 1 mm ² and ExLink-flange socket)		Order No.
LEDM100de36940 / 2x18 W (2560 lm)	High Voltage (230 V)	1 1700 101 009
LEDM100de36940 / 2x18 W (2560 lm)	Low voltage (24 V)	1 1700 101 002
LEDM100de441245 / 2x 44 W (4200 lm)	High Voltage (230 V)	1 1700 101 010
LEDM100de441245 / 2x 44 W (4200 lm)	Low voltage (24 V)	1 1700 101 003

Ex-protected mains powered portable lamps

Explosion protected portable floodlight LEL Portable

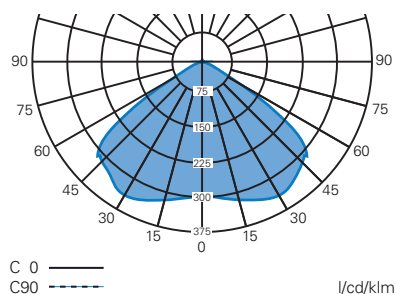


Mains powered portable floodlight

Benefits and Features

- Whenever you need a portable lighting solution (suitability Ex confirmed in the certificate), which can be easily carried around (directly assembled on a bracket)
- This lightweight flood ensures you high lumen output (5000lm) for illumination of bigger facilities/wider distances
- No worries of tripping hazards, the 5 metre cable of flood can be stored easily at the compartment of the stainless steel bracket
- Immediate usability: you can use the portable LEL directly after opening the package as all necessary accessories such as cable, trumpet gland and plug are already connected for you before-hand from us
- Flexible light direction: the construction of the flood and the bracket allows you to turn the flood into the direction you need to illuminate (e.g. upwards to galleries)

Polar curve LEL Portable 5L



Portable LEL 5L

Technical data	LEL Portable
EC-Type Examination Certificate	EPT 16ATEX 2405
IECEx Certificate of Conformity	IECEx CQM 15.0054 X
Marking accd. to 2014/34/EU	⚡ II 2 G Ex db e mb op is IIC T6 Gb ⚡ II 2 D Ex tb IIIC T80 °C Db IP 66
Permissible ambient temperature	-40 °C up to +45 °C
Rated voltage	100 - 240 V AC / 108 - 250 DC
Lamp/illuminant	LED system 50 W / 5,000 lm
Enclosure material	light alloy, powder coated
Weight	5 kg
Dimensions LxWxH	250x250x147 mm
Degree of protection accd. to EN 60529	IP 66

Type	Lamp / illuminant	Description	Order No.
LEL Portable 5L	LED system 50 W ¹⁾	LED floodlight with floor stand and mains-cord 5 m with E-plug 3pole ¹⁾	NOR 000 007 000 001

¹⁾ Scope of delivery, including LED-system, mains cord with 3pole CEE Ex-plug and floor stand
















Ordering details

portable Ex-solutions

Type	Ex-Marking	Order No.	Price- group	OU	Price/pcs. EURO
Ex-torchlight Stabex mini LED for 3 Mignoncell size AA IEC 60086 R 6/LR 6					
 with LED, without battery	⚡ II 2 G Ex e ib IIC T4/ ⚡ II 2 D Ex tD A21 IP66 T85 °C	1 1360 000 006	2000	10	63.40
Ex-torchlight Stabex HF LED for 2 batteries LR 20 with 2 W LED					
 with LED ca. 70 lm, without battery	⚡ II 1 G Ex e ia IIC T4 Ga ⚡ II 2 D Ex tb IIIC T80 °C Db	1 1359 001 001	2000	1	135.00
Ex-Handlamp HE 9 Basic LED with Li-Io battery and charger					
 with 3 W LED module, with battery and charger plug 110 V- 240 V	⚡ II 2 G Ex ib IIC T4 Gb	1 1118 800 800	2000	1	370.00
Ex-Handchte HE 9 Basic LED with Li-Io battery					
 with 3 W LED module, with battery	⚡ II 2 G Ex ib IIC T4 Gb	1 1118 009 410	2000	1	340.10
Ex-search light SEB 10 for chargeable LiFePO4 battery: Set SEB 10 incl. charger LG 443					
 with twin-lens hight power LED system and battery (chargeable with LG 443 or vehicle-charger 90) With charger LG 443: 220 V- 250 V AC	⚡ II 2 G Ex d e ib mb IIC T4 Gb ⚡ II 2 D Ex tb IIIC T85 °C Db	1 1147 443 820	2320	1	800.00
Ex-search light SEB 10 for chargeable LiFePO4 battery: Set SEB 10 incl. vehicle-charger 90					
 with twin-lens hight power LED system and battery (chargeable with LG 443 or vehicle-charger 90) With vehicle-charger 90: 12- 24 V DC	⚡ II 2 G Ex d e ib mb IIC T4 Gb ⚡ II 2 D Ex tb IIIC T85 °C Db	1 1147 792 820	2320	1	645.00
Ex-search light SEB 10 for chargeable LiFePO4 battery: Set SEB 10 incl. charger LG 443 and vehicle-charger 90					
 with twin-lens hight power LED system and battery (chargeable with LG 443 or vehicle-charger 90) With charger LG 443 (220- 250 V) and vehicle-charger 90: 12- 24 V DC	⚡ II 2 G Ex d e ib mb IIC T4 Gb ⚡ II 2 D Ex tb IIIC T85 °C Db	1 1147 924 820	2320	1	864.00
Ex-search light SEB 10 for chargeable LiFePO4 battery: Set SEB 10 incl. coloured slip-on filter					
 with twin-lens hight power LED system and battery (chargeable with LG 443 or vehicle-charger 90) With coloured slip-on filter (red, green orange)	⚡ II 2 G Ex d e ib mb IIC T4 Gb ⚡ II 2 D Ex tb IIIC T85 °C Db	1 1147 300 820	2320	1	608.00
Ex-search light SEB 10 for chargeable LiFePO4 battery					
 with twin-lens hight power LED system and battery (chargeable with LG 443 or vehicle-charger 90)	⚡ II 2 G Ex d e ib mb IIC T4 Gb ⚡ II 2 D Ex tb IIIC T85 °C Db	1 1147 000 820	2320	1	598.90
Ex-search light SEB 10 L for chargeable LiFePO4 battery					
 with twin-lens hight power LED system and battery (chargeable directly via mains lead, with LG 443 or vehicle-charger 90)	⚡ II 2 G Ex d e ib mb IIC T4 Gb ⚡ II 2 D Ex tb IIIC T85 °C Db	1 1147 000 810	2320	1	613.90
Ex-portable floodlight LEL Portable - NEW -					
 LEL Portable floodlight with floor stand and mains-cord 5 m with Ex-plug 3-pole	⚡ II 2 G Ex db e m bop is IIC T6 Gb ⚡ II 2 D Ex tb IIIC T80 °C Db IP 66	NOR000007000001	3000	1	890.00


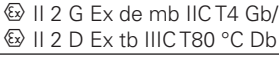
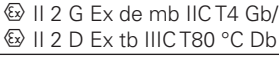


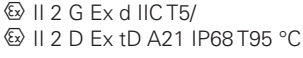




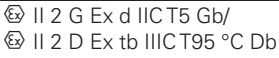

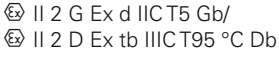
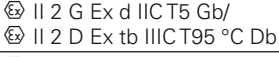
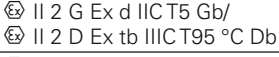
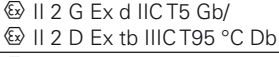
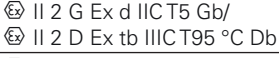
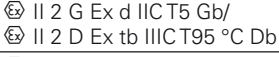
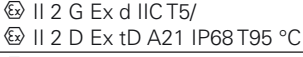

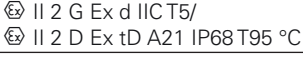

Ordering details

portable Ex-solutions

Type	Ex-Marking	Order No.	Price-group	OU	Price/pcs. EURO
Ex-Handlamp					
	HL43d LED6 460 24 V DC	II 2 G Ex d IIC T5 Gb/ II 2 D Ex tb IIIC T95 °C Db	1 1700 000 003	2370 1	452.88 €
	HL43d LED6 460 24-50 V AC/DC	II 2 G Ex d IIC T5 Gb/ II 2 D Ex tb IIIC T95 °C Db	1 1700 000 004	2370 1	518.26 €
	HL43d LED6 460 85-264 V AC 120-370 V DC	II 2 G Ex d IIC T5 Gb/ II 2 D Ex tb IIIC T95 °C Db	1 1700 000 107	2370 1	514.39 €
	HL43d8460 24 V AC/DC	II 2 G Ex d IIC T5 Gb/ II 2 D Ex tb IIIC T95 °C Db	1 1700 000 001	2370 1	445.03 €
	HL43d8460 230 V AC/DC	II 2 G Ex d IIC T5 Gb/ II 2 D Ex tb IIIC T95 °C Db	1 1700 000 201	2370 1	508.78 €
	HL43d8/2460 24 V AC/DC	II 2 G Ex d IIC T5 Gb/ II 2 D Ex tb IIIC T95 °C Db	1 1700 000 006	2370 1	520.91 €
	HL43d8/2460 230 V AC/DC	II 2 G Ex d IIC T5 Gb/ II 2 D Ex tb IIIC T95 °C Db	1 1700 000 206	2370 1	514.90 €
Ex-Maschine Lamp					
	ML43d LED6 460 12-24 V DC	II 2 G Ex d IIC T5/ II 2 D Ex tb IIIC T95 °C Db	1 1700 000 012	2370 1	541.31 €
	ML43d LED6 460 24-50 V AC/DC	II 2 G Ex d IIC T5/ II 2 D Ex tb IIIC T95 °C Db	1 1700 000 013	2370 1	538.76 €
	ML60d LED1480 25 W 24 V AC/DC 50-60 Hz	II 2 G Ex d IIC T5/ II 2 D Ex tb IIIC T95 °C Db	1 1700 000 017	2370 1	636.00 €
	ML60d LED 1480 25 W 85-265 V AC	II 2 G Ex d IIC T5/ II 2 D Ex tb IIIC T95 °C Db	1 1700 000 520	2370 1	635.97 €
	ML60d LED 1780 36 W 85-265 V AC	II 2 G Ex d IIC T5/ II 2 D Ex tb IIIC T95 °C Db	1 1700 000 521	2370 1	646.17 €
	LEDM100de36940 2x18 W 24-50 V AC/DC 50-60 Hz - NEW -	II 2 G Ex d IIC T5/ II 2 D Ex tb IIIC T95 °C Db	1 1700 100 002	2370 1	639.80 €
	LEDM100de36940 2x18 W 85-265 V AC 50-60 Hz - NEW -	II 2 G Ex d IIC T5/ II 2 D Ex tb IIIC T95 °C Db	1 1700 100 009	2370 1	637.80 €
	LEDM100de441245 2x22 W - NEW -	II 2 G Ex d IIC T5/ II 2 D Ex tb IIIC T95 °C Db	1 1700 100 003	2370 1	780.50 €
	LEDM100de441245 2x22 W 85-265 V AC 50-60 Hz - NEW -	II 2 G Ex d IIC T5/ II 2 D Ex tb IIIC T95 °C Db	1 1700 100 010	2370 1	778.50 €
	LEDM100de7218502x36 W 24-50 V AC/DC 50-60 Hz - NEW -	II 2 G Ex d IIC T5/ II 2 D Ex tb IIIC T95 °C Db	1 1700 100 007	2370 1	1,050.00 €
	LEDM100de721850 2x36 W 85-265 V AC 50-60 Hz - NEW -	II 2 G Ex d IIC T5/ II 2 D Ex tb IIIC T95 °C Db	1 1700 100 014	2370 1	1,049.50 €
	ML43d8460 24 V AC/DC	II 2 G Ex d IIC T5/ II 2 D Ex tb IIIC T95 °C Db	1 1700 000 011	2370 1	492.15 €
	ML43d8460 230 V AC/DC	II 2 G Ex d IIC T5/ II 2 D Ex tb IIIC T95 °C Db	1 1700 000 211	2370 1	487.56 €
	ML43d8/2460 24 V AC/DC	II 2 G Ex d IIC T5/ II 2 D Ex tb IIIC T95 °C Db	1 1700 00 0016	2370 1	499.70 €
	ML43d8/2460 230 V AC/DC	II 2 G Ex d IIC T5/ II 2 D Ex tb IIIC T95 °C Db	1 1700 000 216	2370 1	493.68 €
	ML50d18870 110-240 V AC/DC	II 2 G Ex d IIC T5/ II 2 D Ex tb IIIC T95 °C Db	1 1700 000 510	2370 1	608.74 €
	ML60d361480 110-240 V AC/DC	II 2 G Ex d IIC T5/ II 2 D Ex tb IIIC T95 °C Db	1 1700 000 512	2370 1	635.97 €
	ML70d55833(PL) 110-240 V AC/DC	II 2 G Ex d IIC T5/ II 2 D Ex tb IIIC T95 °C Db	1 1700 000 514	2370 1	1,019.80 €
	ML60d18918 24-50 V AC/DC	II 2 G Ex d IIC T5/ II 2 D Ex tb IIIC T95 °C Db	1 1700 000 310	2370 1	613.22 €
	ML60d361528 24-50 V AC/DC	II 2 G Ex d IIC T5/ II 2 D Ex tb IIIC T95 °C Db	1 1700 000 312	2370 1	641.99 €
	ML70d55881(PL) 24-50 V AC/DC	II 2 G Ex d IIC T5/ II 2 D Ex tb IIIC T95 °C Db	1 1700 000 314	2370 1	1,026.63 €

Ordering details

portable Ex-solutions

Type	Ex-Marking	Order No.	Price- group	OU	Price/pcs. EURO
Temporary lighting / temporary eLLK- NEW -					
 Temporary eLLK Fluorescent 2x18 W		1 2265 755 101	3110	1	780.00 €
Temporary eLLK LED 400		1 2265 555 101	3110	1	1,350.00 €
 Suspension Hook (2x)		2 2480 001 000	3000	1	14,90 €
Pipe clamps (2x)		2 2480 550 012	3000	1	56,92 €
Temporary lighting / temporary machine lamp- NEW -					
 Temporary Basic ML: ML60d LED 1780 36 W 24 V AC/DC 50-60Hz		1 1700 000 018	2370	1	646.19 €
Temporary Basic ML:ML60d LED 1780 36 W 85-265 V AC		1 1700 000 521	2370	1	646.17 €
 1x PM2 Magnet (average 60 mm, height 265 mm, up to 50 kg) (please order twice for one fitting)		1 1700 000 918	2370	1	118.22 €
 1x Suspension hook KH6 (average 60 mm, height 265 mm) (please order twice for one fitting)		1 1700 000 923	2370	1	30,80 €
Temporary lighting / linkable machine lamp / linkable eLLK- NEW -					
 Master, LEDM100de36940 2x18 W (36 W) 24-50 V AC/DC 50-60 Hz		1 1700 102 002	2370	1	1,290.50 €
 Slave, LEDM100de36 940TWST 2x18 W 24-50 V AC 50-60 Hz		1 1700 101 002	2370	1	1,235.50 €
Master, LEDM100de36940TWP 2x18 W, 85-265 VAC 50-60Hz		1 1700 102 009	2370	1	1,229.00 €
Slave, LEDM100de36940TWST 2x18 W, 85-265 V AC, 50-60 Hz		1 1700 101 009	2370	1	1,245.00 €
Master, LEDM100de441245TWP 2x22 W, 24-50 V AC, 50-60 Hz		1 1700 102 003	2370	1	1,375.00 €
Slave, LEDM100de441245TWST 2x22 W, 24-50 V AC, 50-60 Hz		1 1700 101 003	2370	1	1,310.00 €
Master, LEDM100de441245TWP 2x22 W, 85-265 V AC, 50-60 Hz		1 1700 102 010	2370	1	1,350.00 €
Slave, LEDM100de441245TWST 2x22 W, 85-265 V AC, 50-60 Hz		1 1700 101 010	2370	1	1,380.00 €
 Master/ Slave eLLK FL		1 2265 755 103	3110	1	1,610.00 €
Master/ Slave eLLK LED		1 2265 555 103	3110	1	2,155.00 €





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CrouseCustomerCTR@Eaton.com

For more information:

If further assistance is required, please contact an authorized Eaton Distributor, Sales Office, or Customer Service Department.

Australia

Phone +61-2-8787-2777
Fax +61-2-9609-2342
crousehindsanz@eaton.com

China

Phone +86-21-2899-3600
Fax +86-21-2899-4055
ECHsales@eaton.com

Great Britain

Phone +44-247-630-89 30
Fax +44-247-630-10 27
sales5@eaton.com

India

Phone +91-124-4683888
Fax +91-124-4683899
cchindia@eaton.com

Canada

Toll Free +1-800-265-0502
Fax +1-800-263-9504
Fax orders only:
+1-866-653-0645

Korea

Phone +82-2-3484-6783
Fax +82-2-3484-6778
CCHK-sales@cooperindustries.com

Mexico/Latin America/ Caribbean

Phone +52-555-804-4000
Fax +52-555-804-4020
ventascentromex@eaton.com

Spain

Phone +34-9-37362710
Fax +34-9-37835055
sales.CCH.es@cooperindustries.com

Middle East (Dubai)

Phone +971-4-427-2522 / 2500
Fax +971-4-429-8521
CHMEsales@Eaton.com

The Netherlands

Phone +31-10-2452145
Fax +31-10-2452121
CHRD_mail@Eaton.com

Norway

Phone +47-32-244600
Fax +47-32-244646
CHLloffice@eaton.com

Singapore:

Phone +65-6645-9888
Fax +65-6297-4819
CHSI-Sales@Eaton.com

Turkey

Phone +90-216-464-20-20
Fax +90-216-464-20-10
infoEGTurkey@eaton.com

Russia

Phone +7-495 510-24-27
Fax +7-495 510-24-28
info@cooper.ru.com
www.cooper-russia.ru

Eaton's Crouse-Hinds Division

Neuer Weg – Nord 49
D-69412 Eberbach

Phone +49 (0) 6271/806-500
Fax +49 (0) 6271/806-476
E-mail info-ex@eaton.com
Internet www.crouse-hinds.de

Eaton

1000 Eaton Boulevard
Cleveland, OH 44122
United States
Eaton.com

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Eaton's Crouse-Hinds Division

1201 Wolf Street
Syracuse, NY 13208
(866) 764-5454
CrouseCustomerCTR@Eaton.com

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