

Iluminación LED portátil



**Lámparas de mano,
portátiles 360°, móviles
y con batería**



Soluciones móviles de distribución eléctrica e iluminación LED para aplicaciones industriales y zonas ATEX

CONTENT	Page
LED HAND LAMPS	3 - 11
TRANSFORMER	12
LED TUBE LAMPS	13 - 25
PORTABLE LED LAMPS 360 - 120	26 - 30
MOVABLE LED LAMPS	31 - 32
LED SPOTLIGHT - LED ACCU SPOTLIGHT	33 - 36

SYMBOLS



Number & Type of LED Modules



Cable specification



Energy Efficiency Index



Protection class II or III



LED E27 Lamp



Luminous flux value



Identification for lamps with accumulator operation



Supply voltage



Identification for lamps with battery operation



IP Protection category

LED hand lamps - Areas of application

Automotive workshop



Shipyard



Industrial plants



Rail industry



Special applications



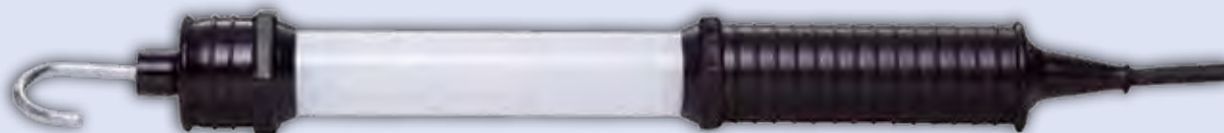
Tank cleaning



Civil protection



KE-LED 3003-P



LED hand lamp, due to short structural shape ideal for the tool box. Dazzle-free light based on special prismatic-shaped protection tube.

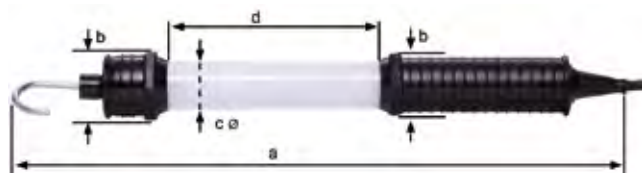
- Illuminant: 3 POWER LEDs / 6500 K
- Protection tube: polycarbonate, shock-resistant, 30 mm Ø
- Handle / end cap: PVC, black
- Metal hook: yes, rotatable
- Protection category: IP54 (IP65 on request)
- Protection class: II respectively III
- Cable: 5 m H05RN-F 2 x 1,00 mm²
- Voltage: 230 V / 110 V / 42 V / 24 V / 12 V
- Longer cable, cable type, plug etc. on request



Technical details

Type	Number LED	Volt	Ampere	Lumen	Protection Class	Protective Tube	IP	Cable	Plug	Weight	Art.-No.
KE-LED 3003-P/230	3	230 V AC	0,025	350 lm	II	Polycarbonat	IP54	5 m H05RN-F	Konturen-	0,5 kg	131330
KE-LED 3003-P/110	3	110 V AC/DC	0,033	350 lm	II	Polycarbonat	IP54	5 m H05RN-F	ohne w/o	0,5 kg	131331
KE-LED 3003-P/42	3	42 V AC/DC	0,044	350 lm	II	Polycarbonat	IP54	5 m H05RN-F	ohne w/o	0,5 kg	131334
KE-LED 3003-P/24	3	24 V AC/DC	0,080	350 lm	III	Polycarbonat	IP54	5 m H05RN-F	ohne w/o	0,5 kg	131317
KE-LED 3003-P/12	3	12 V AC/DC	0,195	350 lm	III	Polycarbonat	IP54	5 m H05RN-F	ohne w/o	0,5 kg	131317

Dimensions



Dimensions in mm

	a	b	c	d
KE-LED 3003-P	400	45	30	140

KE-LED 3006-P

6x
POWER
LED

700
Lumen

230V
110V
42V
24V
12V

IP54
IP65

H05
RN-F

EEL
A++



LED hand lamp, long version. Dazzle-free light based on special prismatic-shaped protection tube.

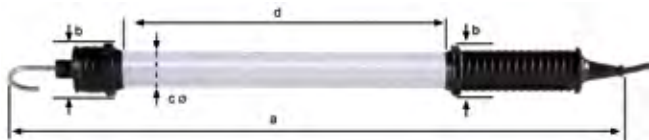
- Illuminant: 6 POWER LEDs / 6500K
- Protection tube: polycarbonate, shock-resistant, 30mm Ø
- Handle / end cap: PVC, black
- Metal hook: yes, rotatable
- Protection category: IP54 (IP65 on request)
- Protection class: II respectively III
- Cable: 5 m H05RN-F 2 x 1,00 mm²
- Voltage: 230 V / 110 V / 42 V / 24 V / 12 V
- Longer cable, cable type, plug etc. on request



Technical details

Type	Number LED	Volt	Ampere	Lumen	Protection Class	Protective Tube	IP	Cable	Plug	Weight	Art.-No.
KE-LED 3006-P/230	6	230 V AC	0,035	700 lm	II	Polycarbonat	IP54	5 m H05RN-F	Konturen-	0,5 kg	131466
KE-LED 3006-P/110	6	110 V AC/DC	0,055	700 lm	II	Polycarbonat	IP54	5 m H05RN-F	ohne w/o	0,5 kg	131467
KE-LED 3006-P/42	6	42 V AC/DC	0,088	700 lm	II	Polycarbonat	IP54	5 m H05RN-F	ohne w/o	0,5 kg	131468
KE-LED 3006-P/24	6	24 V AC/DC	0,160	700 lm	III	Polycarbonat	IP54	5 m H05RN-F	ohne w/o	0,5 kg	131469
KE-LED 3006-P/12	6	12 V AC/DC	0,266	700 lm	III	Polycarbonat	IP54	5 m H05RN-F	ohne w/o	0,5 kg	131470

Dimensions |



Dimensions in mm				
	a	b	c	d
KE-LED 3006-P	525	45	30	270

KE-LED 4010-P (Profi | Profi)

10x
POWER
LED

900
Lumen

230V
110V
42V
24V

IP54

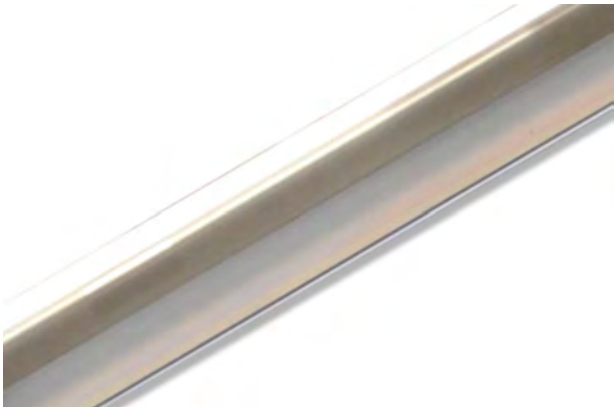
H05
RN-F

EEL
A++



The professional LED hand lamp KE-LED 4010-P is the proven lighting solution in the workshop area. Dazzle-free light due to integrated diffuser foil.

- Illuminant: 10 POWER LEDs / 6500 K
- Protection tube: polycarbonate, shock-resistant, 40 mm Ø
- Integrated diffuser film
- Handle / end cap: PVC, black
- Metal hook: yes, rotatable
- Protection category: IP54
- Protection class: II respectively III
- Cable: 5 m H05RN-F 2 x 1,00 mm²
- Voltage: 230 V / 110 V / 42 V / 24 V
- Longer cable, cable type, plug etc. on request

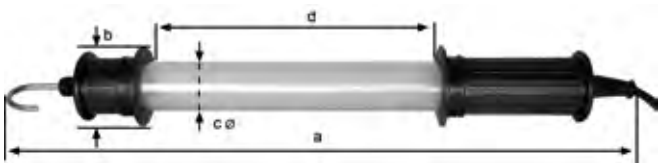


Protection tube made of polycarbonate, impact resistant

Technical details

Type	Number LED	Volt	Ampere	Lumen	Protection Class	Protective Tube	IP	Cable	Plug	Weight	Art.-No.
KE-LED 4010-P/230	10	230 V AC	0,057	900 lm	II	Polycarbonat	IP54	5 m H07RN-F	Konturen-	0,75 kg	131364
KE-LED 4010-P/110	10	110 V AC/DC	0,058	900 lm	II	Polycarbonat	IP54	5 m H07RN-F	ohne w/o	0,75 kg	131368
KE-LED 4010-P/42	10	42 V AC/DC	0,135	900 lm	II	Polycarbonat	IP54	5 m H07RN-F	ohne w/o	0,75 kg	131369
KE-LED 4010-P/24	10	24 V AC/DC	0,235	900 lm	III	Polycarbonat	IP54	5 m H07RN-F	ohne w/o	0,75 kg	131365

Dimensions



Dimensions in mm				
	a	b	c	d
KE-LED 4010-P	510	56	40	240

KE-LED 4010-P (Industrie | *Industry*)

LED hand lamp, manufactured according to industrial standard, very robust. Dazzle-free light due to integrated diffuser foil.

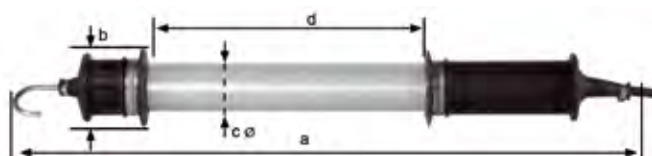
- Illuminant: 10 POWER LEDs / 6500 K
- Protection tube: polycarbonate, shock-resistant, 40 mm Ø
- Integrated diffuser film
- Handle / end cap: neoprene, black
- Metal hook: yes, rotatable
- Protection category: IP65
- Protection class: II respectively III
- Cable: 5 m H05RN-F 2 x 1,00 mm²
- Voltage: 230 V / 110 V / 42 V / 24 V
- Longer cable, cable type, plug etc. on request



Metal suspension hook, 360 ° rotatable

Technical details

Type	Number LED	Volt	Ampere	Lumen	Protection Class	Protective Tube	IP	Cable	Plug	Weight	Art.-No.
KE-LED 4010-P/230	10	230 V AC	0,057	900 lm	II	Polycarbonat	IP65	5 m H07RN-F	Konturen-	0,75 kg	131429
KE-LED 4010-P/110	10	110 V AC/DC	0,058	900 lm	II	Polycarbonat	IP65	5 m H07RN-F	ohne w/o	0,75 kg	131430
KE-LED 4010-P/42	10	42 V AC/DC	0,135	900 lm	II	Polycarbonat	IP65	5 m H07RN-F	ohne w/o	0,75 kg	131431
KE-LED 4010-P/24	10	24 V AC/DC	0,235	900 lm	III	Polycarbonat	IP65	5 m H07RN-F	ohne w/o	0,75 kg	131432

Dimensions

Dimensions in mm

	a	b	c	d
KE-LED 4010-P	510	56	40	240

KE-LED 5030-P (Industrie | *Industry*)

Powerful light: LED hand lamp with 30 POWER LEDs.
Dazzle-free light due to integrated diffuser foil.

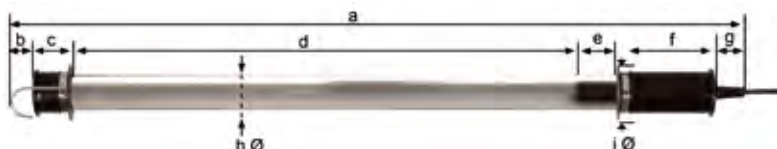
- Illuminant: 30 POWER LEDs / 6500 K
- Protection tube: polycarbonate, shock-resistant, 50 mm Ø
- Integrated diffuser film
- Handle / end cap: neoprene, black
- Metal hook: yes, rotatable
- Protection category: IP65
- Protection class: II respectively III
- Cable: 5 m H07RN-F 2 x 1,00 mm²
- Voltage: 230 V / 110 V / 42 V / 24 V
- Longer cable, cable type, plug etc. on request



Robust PVC handle

Technical details

Type	Number LED	Volt	Ampere	Lumen	Protection Class	Protective Tube	IP	Cable	Plug	Weight	Art.-No.
KE-LED 5030-P/230	30	230 V AC	0,110	3000 lm	II	Polycarbonat	IP65	5 m H07RN-F	Konturen-	1,5 kg	131480
KE-LED 5030-P/110	30	110 V AC/DC	0,200	3000 lm	II	Polycarbonat	IP65	5 m H07RN-F	ohne w/o	1,5 kg	131481
KE-LED 5030-P/42	30	42 V AC/DC	0,455	3000 lm	II	Polycarbonat	IP65	5 m H07RN-F	ohne w/o	1,5 kg	131482
KE-LED 5030-P/24	30	24 V AC/DC	0,725	3000 lm	III	Polycarbonat	IP65	5 m H07RN-F	ohne w/o	1,5 kg	131483

Dimensions**Dimensions in mm**

	a	b	c	d	e	f	g	h	Ø i
KE-LED 5030-P	940	30	50	640	50	130	44	50	75

KE-LED 3010-P / IP68



Slim and bright LED hand lamp, dust and light waterproof (IP68). Ideally suited e.g. for cleaning in tight containers. (Tank and barrel cleaning work)

- Illuminant: 10 POWER LEDs / 6500K
- Protection tube: polycarbonate, shock-resistant, 30mm Ø
- Integrated diffuser film
- Handle / end cap: PVC, black
- Metal hook: yes, rotatable
- Protection category: IP68 (dust and waterproof)
- Protection class: III
- Cable: 10 m H07RN-F (optional H07BQ-F)
- Voltage: 24 V
- Longer cable, plug etc. on request



Handle and end cap, hexagonal

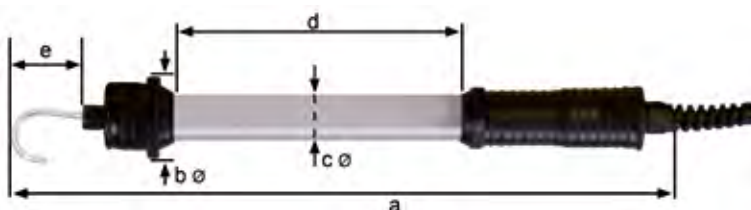


polycarbonate protective tube with diffuser foil for homogenous light

Technical details

Type	Number LED	Volt	Ampere	Lumen	Protection Class	Protective Tube	IP	Cable	Plug	Weight	Art.-No.
KE-LED 3010-P/IP68	10	24 V DC	0,215	850 lm	III	Polycarbonat	IP68	10 m H05RN-F	ohne w/o	1,35 kg	131532

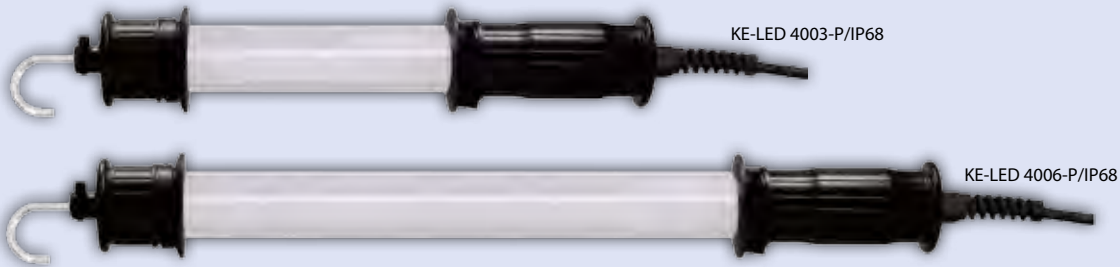
Dimensions



Dimensions in mm

	a	b	c	d	e
KE-LED 3010-P	423	45	30	187	43

KE-LED 4003-P / KE-LED 4006-P / IP68



LED hand lamp with IP68 protection, available in different versions and voltages.

- Illuminant: 3x or 6x POWER LEDs / 6500 K
- Protection tube: polycarbonate, shock-resistant, 40 mm Ø
- Integrated diffuser film
- Handle / end cap: neoprene, black
- Metal hook: yes, rotatable
- Protection category: IP68 (dust and waterproof)
- Protection class: II respectively III
- Cable: 10 m H07RN-F (optional H07BQ-F)
- Voltage: 230 V / 24 V (110 V / 42 V on request)
- Longer cable, cable type, plug etc. on request



Handle and end cap, neoprene

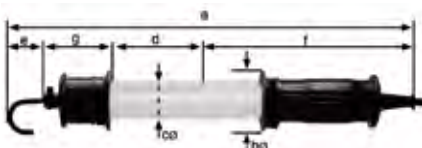


polycarbonate protective tube with diffuser foil for homogenous light

Technical details

Type	Number LED	Volt	Ampere	Lumen	Protection Class	Protective Tube	IP	Cable	Plug	Weight	Art.-No.
KE-LED 4003-P/IP68	3	230 V AC	0,350	350 lm	II	Polycarbonat	IP68	10 m H07RN-F	Konturen-	1,5 kg	131534
KE-LED 4003-P/IP68	3	24 V AC/DC	0,120	350 lm	III	Polycarbonat	IP68	10 m H07RN-F	ohne w/o	1,5 kg	131491
KE-LED 4006-P/IP68	6	230 V AC	0,050	700 lm	II	Polycarbonat	IP68	10 m H07RN-F	Konturen-	1,6 kg	131535
KE-LED 4006-P/IP68	6	24 V AC/DC	0,280	700 lm	III	Polycarbonat	IP68	10 m H07RN-F	ohne w/o	1,6 kg	131520

Dimensions



Dimensions in mm

	a	b	c	d	e	f	g
KE-LED 4003/..	430	64	40	85	65	240	40
KE-LED 4006/..	600	64	40	255	65	240	40

KE-LED 5024-P / IP68



Extremely bright LED hand lamp with 24 POWER LEDs, dust-proof and waterproof (IP68). Ideally suited e.g. For working in damp and wet areas.

- Illuminant: 24x POWER LEDs / 6500 K
- Protection tube: polycarbonate, shock-resistant, 50 mm Ø
- Integrated diffuser film
- Handle / end cap: neoprene, black
- Metal hook: yes, rotatable
- Protection category: IP68 (dust and waterproof)
- Protection class: II respectively III
- Cable: 10 m H07RN-F (optional H07BQ-F)
- Voltage: 230 V / 24 V (110 V / 42 V on request)
- Longer cable, cable type, plug etc. on request

NEW



Handle and end cap, neoprene

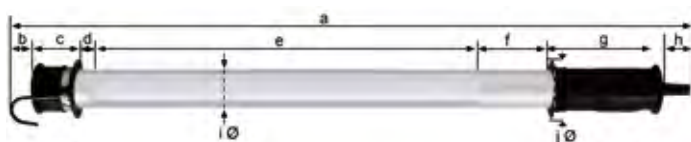


Metal suspension hook, 360° rotatable

Technical details

Type	Number LED	Volt	Ampere	Lumen	Protection Class	Protective Tube	IP	Cable	Plug	Weight	Art.-No.
KE-LED 5024-P/IP68	24	230 V AC	0,075	2400 lm	II	Polycarbonat	IP68	10 m H07RN-F	Konturen-	2,2 kg	131536
KE-LED 5024-P/IP68	24	24 V AC/DC	0,550	2400 lm	III	Polycarbonat	IP68	10 m H07RN-F	ohne w/o	2,2 kg	131521

Dimensions



Dimensions in mm

	a	b	c	d	e	f	g	h	i	j	Ø
KE-LED 5024-P/...	875	25	55	20	500	90	140	45	50	75	

Safety transformers*Encapsulation housing**Solid rubber housing KV10**Solid rubber housing KV11***SELV-Transformers**

Transformer for safety low voltage (SELV) in full encapsulation- respectively solid rubber housing.

Type	Voltage Prim. / Sec.	Housing	Power VA	Plug(s)	Weight	Cable	IP	Art.-No.
12 Volt								
SELV 25/1-12	230 V / 12 V	Encapsulation	25	1x 12V DIN ISO4165	1,3 kg	2 m H07RN-F	IP44	141130
24 Volt								
SELV 25/1-24	230 V / 24 V	Encapsulation	25	1x CEE	1,3 kg	2 m H07RN-F	IP44	141133
SELV 60/1-24	230 V / 24 V	Solid Rubber KV10	60	1x CEE	2,6 kg	2 m H07RN-F	IP44	141124
SELV 100/1-24	230 V / 24 V	Solid Rubber KV10	100	1x CEE	3,6 kg	2 m H07RN-F	IP44	141100
SELV 160/2-24	230 V / 24 V	Solid Rubber KV11	160	2x CEE	5,6 kg	2 m H07RN-F	IP44	141160
SELV 250/2-24	230 V / 24 V	Solid Rubber KV11	250	2x CEE	6,0 kg	2 m H07RN-F	IP44	141170
SELV 250/4-24	230 V / 24 V	Solid Rubber KV11	250	4x CEE	7,0 kg	2 m H07RN-F	IP44	141128
42 Volt								
SELV 25/1-42	230 V / 42 V	Encapsulation	25	1x CEE	1,3 kg	2 m H07RN-F	IP44	141135
SELV 60/1-42	230 V / 42 V	Solid Rubber KV10	60	1x CEE	2,6 kg	2 m H07RN-F	IP44	141142
SELV 100/1-42	230 V / 42 V	Solid Rubber KV10	100	1x CEE	3,6 kg	2 m H07RN-F	IP44	141200
SELV 160/2-42	230 V / 42 V	Solid Rubber KV11	160	2x CEE	5,6 kg	2 m H07RN-F	IP44	141210
SELV 250/2-42	230 V / 42 V	Solid Rubber KV11	250	2x CEE	6,0 kg	2 m H07RN-F	IP44	141211
SELV 250/4-42	230 V / 42 V	Solid Rubber KV11	250	4x CEE	7,0 kg	2 m H07RN-F	IP44	141134

Higher output and version with 2, 4 or 6 CEE sockets on request.

Isolation transformer

Type	Voltage Prim. / Sec.	Housing	Power VA	Plug(s)	Weight	Cable	IP	Art.-No.
Trafo 100/1-230	230 V / 230 V	Vollgummi Solid rubber	100	1x CEE	3,6 kg	2 m H07RN-F	IP44	141133
Trafo 160/1-230	230 V / 230 V	Vollgummi Solid rubber	160	1x CEE	5,6 kg	2 m H07RN-F	IP44	141124
Trafo 250/1-230	230 V / 230 V	Vollgummi Solid rubber	250	1x CEE	6,0 kg	2 m H07RN-F	IP44	141100

Hand lamp - optional equipment



Cable specifics

various cable specifications available:

- Cable length in 5m steps customizable
- H05RN-F / H07RN-F / H07BQ-F
- Spiral cable / Skintop kink protection

on request



Plug specifics

different plugs available:

- SOE / Euro flat plug / Contour plug
- CEE plug (110V / 42V / 24V)
- Car board power plug

on request



Magnet clamps

different magnetic clamps available:

- Spring steel clamps incl. magnet
- Plastic clamps incl. magnet

see page 27



Special models

consisting of:

- Hand lamps with UV bulb
- Hand lamps IP68 (dust- and waterproof)

on request

LED tube lamps - Areas of application

Printing industry



Air conditioning and exhaust air technology



Plant construction



Mechanical engineering



Hydraulic ramps



Tunnel systems



Civil protection



KE-LED-EA 3003-P *(short version)*

LED built-in and surface mounted lamp with compact dimension. Ideal for the integration in machines, vehicles and electric devices with limited mounting possibilities.

- Illuminant: 3 POWER LEDs / 6500 K
- Protection tube: Plexiglas, crystal clear, 30 mm Ø
- End caps: ABS, black
- Fixation: incl. 2 fixing clamps made of spring steel
- Protection category: IP54
- Protection class: III
- Cable: 5 m H05RN-F 2 x 1,00 mm²
- Voltage: 24 V
- Options: cable length, plug types, quick-connect versions



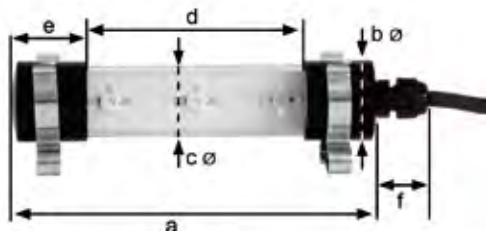
End parts ABS



Plexiglas, crystal clear

Technical details

Type	Number LED	Volt	Ampere	Lumen	Protection Class	Protective Tube	IP	Cable	Plug	Weight	Art.-No.
KE-LED-EA 3003-P/24	3	24 V DC	0,143	300 lm	III	Plexiglas	IP54	5 m H05RN-F	ohne w/o	0,3 kg	131620

Dimensions**Dimensions in mm**

	a	b	c	d	e	f
KE-LED-EA 3003-P	150	33	30	94	25	20

KE-LED-EA 3003-P (long version)

LED built-in and surface mounted lamp, ideal for the integration in machines, vehicles and all kind of electric devices.
Dazzle-free light based on prismatic-shaped protection tube.

- Illuminant: 3 POWER LEDs / 6500 K
- Protection tube: polycarbonate, shock-resistant, 30 mm Ø
- End caps: ABS, black
- Fixation: incl. 2 fixing clamps made of spring steel
- Protection category: IP54
- Protection class: II respectively III
- Cable: 5 m H05RN-F 2 x 1,00 mm²
- Voltage: 230 V / 110 V / 42 V / 24 V / 12 V
- Options: cable length, plug types, quick-connect versions



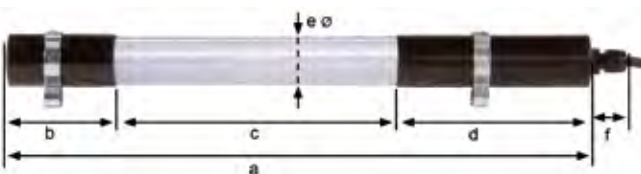
End parts ABS



Prism protection tube for homogeneous light

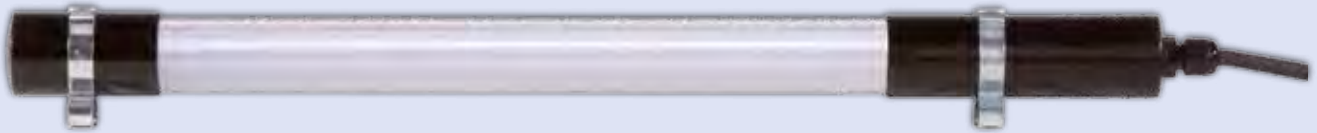
Technical details

Type	Number LED	Volt	Ampere	Lumen	Protection Class	Protective Tube	IP	Cable	Plug	Weight	Art.-No.
KE-LED-EA 3003-P/230	3	230 V AC	0,025	350 lm	II	Polycarbonat	IP54	5 m H05RN-F	Konturen-	0,5 kg	131625
KE-LED-EA 3003-P/110	3	110 V AC/DC	0,033	350 lm	II	Polycarbonat	IP54	5 m H05RN-F	ohne w/o	0,5 kg	131626
KE-LED-EA 3003-P/42	3	42 V AC/DC	0,044	350 lm	II	Polycarbonat	IP54	5 m H05RN-F	ohne w/o	0,5 kg	131627
KE-LED-EA 3003-P/24	3	24 V AC/DC	0,080	350 lm	III	Polycarbonat	IP54	5 m H05RN-F	ohne w/o	0,5 kg	131628
KE-LED-EA 3003-P/12	3	12 V AC/DC	0,019	350 lm	III	Polycarbonat	IP54	5 m H05RN-F	ohne w/o	0,5 kg	131628

Dimensions**Dimensions in mm**

	a	b	c	d	e	f
KE-LED-EA 3003-P	315	60	150	107	30	20

KE-LED-EA 3006-P



LED built-in and surface mounted lamp for the integration in machines, vehicles and all kind of electric devices. Dazzle-free light based on special prismatic-shaped protection tube.

- Illuminant: 6 POWER LEDs / 6500 K
- Protection tube: polycarbonate, shock-resistant, 30 mm Ø
- End caps: ABS, black
- Fixation: incl. 2 fixing clamps made of spring steel
- Protection category: IP54
- Protection class: II / III
- Cable: 5 m H05RN-F 2 x 1,00 mm²
- Voltage: 230 V / 110 V / 42 V / 24 V / 12 V
- Options: cable length, plug types, quick-connect versions



End parts ABS

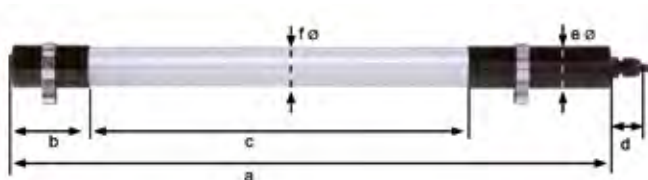


Polycarbonate protection tube, impact resistant

Technical details

Type	Number LED	Volt	Ampere	Lumen	Protection Class	Protective Tube	IP	Cable	Plug	Weight	Art.-No.
KE-LED-EA 3006-P/230	6	230 V AC	0,035	700 lm	II	Polycarbonat	IP54	5 m H05RN-F	Konturen-	0,5 kg	131606
KE-LED-EA 3006-P/110	6	110 V AC/DC	0,055	700 lm	II	Polycarbonat	IP54	5 m H05RN-F	ohne	0,5 kg	131607
KE-LED-EA 3006-P/42	6	42 V AC/DC	0,088	700 lm	II	Polycarbonat	IP54	5 m H05RN-F	ohne	0,5 kg	131608
KE-LED-EA 3006-P/24	6	24 V AC/DC	0,160	700 lm	III	Polycarbonat	IP54	5 m H05RN-F	ohne	0,5 kg	131609
KE-LED-EA 3006-P/12	6	12 V AC/DC	0,266	700 lm	III	Polycarbonat	IP54	5 m H05RN-F	ohne	0,5 kg	131611

Dimensions



Dimensions in mm

	a	b	c	d	e	f
KE-LED-EA 3006-P	454	60	287	25	33	30

KE-LED-EA 30..-P (MODULAR | 24V)6-30
POWER
LED600
bis
3000
Lumen

24V

IP54

H05
RN-F

III

EEI
A++

KE-LED-EA 3030-P/24

KE-LED-EA 3024-P/24

KE-LED-EA 3018-P/24

KE-LED-EA 3012-P/24

KE-LED-EA 3006-P/24

LED built-in and surface mounted lamp with up to 30 POWER LED.
Due to the modular construction available in different length.

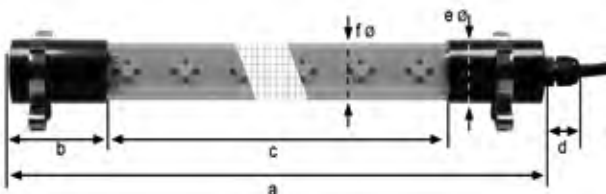
- Illuminant: 6/12/18/24 or 30 POWER LEDs / 6500 K
- Protection tube: Plexiglas, crystal clear, 30 mm Ø
- Optional: available with diffusor foil
- End caps: ABS, black
- Fixation: incl. 2 fixing clamps made of spring steel
- Protection category: IP54
- Protection class: III
- Cable: 5 m H05RN-F 2 x 1,00 mm²
- Voltage: 24 V
- Options: cable length, plug types, quick-connect versions



End parts ABS

Technical details

Type	Number LED	Volt	Ampere	Lumen	Protection Class	Protective Tube	IP	Cable	Plug	Weight	Art.-No.
KE-LED-EA 3006-P/24	6	24 V DC	0,245	600 lm	III	Plexiglas	IP54	5 m H05RN-F	ohne w/o	0,470 kg	131420
KE-LED-EA 3012-P/24	12	24 V DC	0,290	1200 lm	III	Plexiglas	IP54	5 m H05RN-F	ohne w/o	0,590 kg	131421
KE-LED-EA 3018-P/24	18	24 V DC	0,580	1800 lm	III	Plexiglas	IP54	5 m H05RN-F	ohne w/o	0,710 kg	131422
KE-LED-EA 3024-P/24	24	24 V DC	0,830	2400 lm	III	Plexiglas	IP54	5 m H05RN-F	ohne w/o	0,830 kg	131423
KE-LED-EA 3030-P/24	30	24 V DC	0,830	3000 lm	III	Plexiglas	IP54	5 m H05RN-F	ohne w/o	0,950 kg	131424

Dimensions

Dimensions in mm

	a	b	c	d	e	f
KE-LED-EA 3006	325	60	210	20	33	30
KE-LED-EA 3012	540	60	425	20	33	30
KE-LED-EA 3018	755	60	640	20	33	30
KE-LED-EA 3024	970	60	855	20	33	30
KE-LED-EA 3030	1185	60	1070	20	33	30

KE-LED-EA 40..-P (MODULAR | 24V)

6-36
POWER
LED600
bis
3600
Lumen

24V

IP65

H05
RN-F

III

EEI
A++

KE-LED-EA 4036-P/24

KE-LED-EA 4030-P/24

KE-LED-EA 4024-P/24

KE-LED-EA 4018-P/24

KE-LED-EA 4012-P/24

KE-LED-EA 4006-P/24

24 Volt - LED built-in and surface mounted lamp with up to 36 POWER LEDs. Due to the modular construction available in different length.

- Illuminant: 6/12/18/24/30 or 36 POWER LEDs / 6500 K
- Protection tube: polycarbonate, shock-resistant, 40 mm Ø
- Optional available with diffusor foil
- End cap: aluminium, black anodized
- Fixation: incl. 2 fixing clamps made of plastic
- Protection category: IP65
- Protection class: III
- Cable: 5 m H05RN-F 2 x 1,00 mm²
- Voltage: 24 V
- Options: cable length, plug types, quick-connect versions



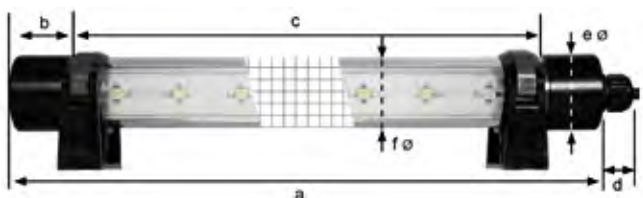
End parts aluminum anodized

Technical details

Type	Number LED	Volt*	Ampere	Lumen	Protect.Class	Protect. Tube	IP	Cable	Plug	Weight	Art.-No.
KE-LED-EA 4006-P/24	6	24 V DC	0,245	600 lm	III	Polycarbonat	IP65	5 m H05RN-F ohne	w/o	0,510 kg	131670
KE-LED-EA 4012-P/24	12	24 V DC	0,290	1200 lm	III	Polycarbonat	IP65	5 m H05RN-F ohne	w/o	0,560 kg	131671
KE-LED-EA 4018-P/24	18	24 V DC	0,580	1800 lm	III	Polycarbonat	IP65	5 m H05RN-F ohne	w/o	0,610 kg	131672
KE-LED-EA 4024-P/24	24	24 V DC	0,830	2400 lm	III	Polycarbonat	IP65	5 m H05RN-F ohne	w/o	0,660 kg	131673
KE-LED-EA 4030-P/24	30	24 V DC	0,830	3000 lm	III	Polycarbonat	IP65	5 m H05RN-F ohne	w/o	0,710 kg	131674
KE-LED-EA 4036-P/24	36	24 V DC	0,990	3600 lm	III	Polycarbonat	IP65	5 m H05RN-F ohne	w/o	0,760 kg	131719

AC version on request

Dimensions



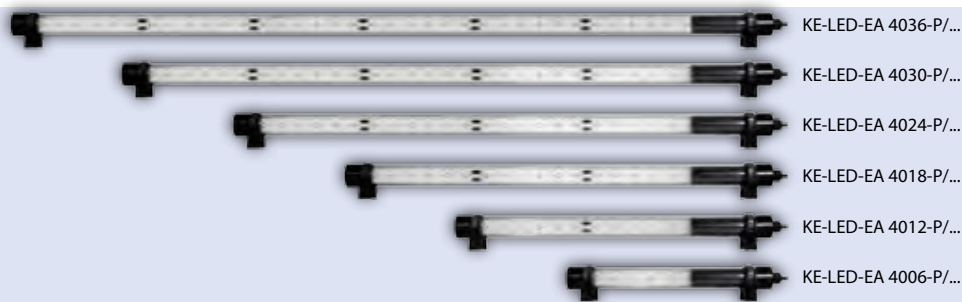
Dimensions in mm

	a*	b	c	d	e	f
KE-LED-EA 4006/24	295	30	235	20	43	40
KE-LED-EA 4012/24	510	30	450	20	43	40
KE-LED-EA 4018/24	725	30	665	20	43	40
KE-LED-EA 4024/24	940	30	880	20	43	40
KE-LED-EA 4030/24	1155	30	1095	20	43	40
KE-LED-EA 4036/24	1370	30	1310	20	43	40

*AC version 100mm longer

KE-LED-EA 40..-P (MODULAR | 230V/110V)6-36
POWER
LED600
bis
3600
Lumen230V
110V

IP65

H05
RN-FEEL
A++

KE-LED-EA 4036-P/...

KE-LED-EA 4030-P/...

KE-LED-EA 4024-P/...

KE-LED-EA 4018-P/...

KE-LED-EA 4012-P/...

KE-LED-EA 4006-P/...

LED built-in and surface mounted lamp with up to 36 POWER LED. Due to the modular construction available in different length.

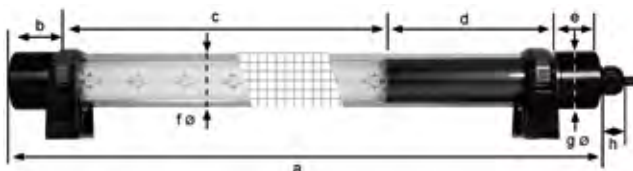
- Illuminant: 6/12/18/24/30 or 36 POWER LEDs / 6500 K
- Protection tube: polycarbonate, shock-resistant, 40 mm Ø
- Optional available with diffusor foil
- End cap: aluminium, black anodized
- Fixation: incl. 2 fixing clamps made of plastic
- Protection category: IP65
- Protection class: II
- Cable: 5 m H05RN-F 2 x 1,00 mm²
- Voltage: 230 V / 110 V
- Longer cable, cable type, plug etc. on request.



End parts aluminum anodized

Technical details

Type	Number LED	Lumen	Protection Class	Protective Tube	IP	Cable	Plug	Weight	230V	110V
									Art.-No.	Art.-No.
KE-LED-EA 4006-P/...	6	600 lm	II	Polycarbonat	IP65	5 m H05RN-F	ohne w/o	0,65 kg	131654	131451
KE-LED-EA 4012-P/...	12	1200 lm	II	Polycarbonat	IP65	5 m H05RN-F	ohne w/o	0,75 kg	131655	131669
KE-LED-EA 4018-P/...	18	1800 lm	II	Polycarbonat	IP65	5 m H05RN-F	ohne w/o	0,85 kg	131656	131687
KE-LED-EA 4024-P/...	24	2400 lm	II	Polycarbonat	IP65	5 m H05RN-F	ohne w/o	0,95 kg	131657	131689
KE-LED-EA 4030-P/...	30	3000 lm	II	Polycarbonat	IP65	5 m H05RN-F	ohne w/o	1,05 kg	131658	131684
KE-LED-EA 4036-P/...	36	3600 lm	II	Polycarbonat	IP65	5 m H05RN-F	ohne w/o	1,15 kg	131685	131616

Dimensions**Dimensions in mm**

	a	b	c	d	e	f	g	h
KE-LED-EA 4006/...	410	30	230	120	30	40	43	20
KE-LED-EA 4012/...	620	30	440	120	30	40	43	20
KE-LED-EA 4018/...	830	30	650	120	30	40	43	20
KE-LED-EA 4024/...	1040	30	860	120	30	40	43	20
KE-LED-EA 4030/...	1250	30	1070	120	30	40	43	20
KE-LED-EA 4036/...	1460	30	1280	120	30	40	43	20

KE-LED-EA 4010-P/...-HB



KE-LED-EA 4010-P/...-HB
Version without switch

KE-LED-EA 4010-P/...-HB-S
Version with switch

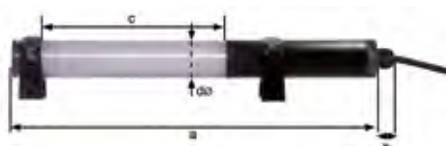
LED built-in and surface-mounted lamp, with dazzle-free light for the integration in machines, vehicles and all kind of devices.

- Illuminant: 10 POWER LEDs / 6500 K
- Protection tube: PMMA, shock-resistant, 40 mm Ø
- Drain plug: hard-PVC, gray
- Fixation: incl. 2 fixing clamps
- Protection category: IP65
- Protection class: II / III
- Cable: 5 m H05RN-F 2 x 1,00 mm²
- Voltage: 230 V / 110 V / 42 V / 24 V / 12 V*
- (*12V version with max. 9 LEDs available)
- Options: cable length, plug types, quick-connect versions

Technical details

Type	Number LED	Volt	Ampere	Lumen	Prot. Tube	IP	Cable	Plug	Weight	w/o switch	with switch
										Art.-No.	Art.-No.
KE-LED-EA 4010-P/230-HB	10	230 V AC	0,057	900 lm	PMMA	IP65	5 m H05RN-F	Konturen-	0,5 kg	131324	131414
KE-LED-EA 4010-P/110-HB	10	110 V AC/DC	0,058	900 lm	PMMA	IP65	5 m H05RN-F	ohne w/o	0,5 kg	131325	131433
KE-LED-EA 4010-P/42-HB	10	42 V AC/DC	0,135	900 lm	PMMA	IP65	5 m H05RN-F	ohne w/o	0,5 kg	131326	131434
KE-LED-EA 4010-P/24-HB	10	24 V AC/DC	0,295	900 lm	PMMA	IP65	5 m H05RN-F	ohne w/o	0,5 kg	131339	131323
KE-LED-EA 4009-P/12-HB*	9	12 V AC/DC	0,600	800 lm	PMMA	IP65	5 m H05RN-F	ohne w/o	0,5 kg	131342	131435

Dimensions



Dimensions in mm

	a	b	c	d
KE-LED-EA 4010-P/...HB	368	25	220	40



Dimensions in mm

	a	b	c	d
KE-LED-EA 4010-P/...HB-S	409	25	220	40

KE-LED-EA 5030-P



With suspension-hooks



Through-wiring



Tent lamps see page 28

LED lamp with 30 POWER LED. Optional by means of through-wiring ideal applicable as line illumination. Homogeneous and dazzle-free light based on integrated diffusor foil.

- Illuminant: 30 POWER LEDs / 6500 K
- Protection tube: polycarbonate, shock-resistant, 50 mm Ø
- End cap: PVC, black
- Fixation: incl. fixing clamps or suspension hooks
- Protection category: IP65
- Protection class: II / III
- Cable 5030-P: 5 m H07RN-F 2 x 1,00 mm²
- Cable 5030-P/...-D: H07RN-F 2 x 1,5 mm², 5 m / 0,5 m
- Voltage: 230 V / 110 V / 42 V / 24 V
- Options: cable length, plug types, quick-connect versions



PVC end caps

Technical details

Type	Number LED	Volt	Ampere	Lumen	Protection Class	Protective Tube	IP	Cable	Plug	Weight	Art.-No.
KE-LED-EA 5030-P/230	30	230 V AC	0,110	3000 lm	II	Polycarbonat	IP65	5 m H07RN-F	Konturen-	1,5 kg	131690
KE-LED-EA 5030-P/110	30	110 V AC/DC	0,200	3000 lm	II	Polycarbonat	IP65	5 m H07RN-F	ohne w/o	1,5 kg	131691
KE-LED-EA 5030-P/42	30	42 V AC/DC	0,455	3000 lm	II	Polycarbonat	IP65	5 m H07RN-F	ohne w/o	1,5 kg	131692
KE-LED-EA 5030-P/24	30	24 V AC/DC	0,725	3000 lm	III	Polycarbonat	IP65	5 m H07RN-F	ohne w/o	1,5 kg	131693
<i>with through-wiring</i>											
KE-LED-EA 5030-P/230-D	30	230 V AC	0,110	3000 lm	II	Polycarbonat	IP65	5 m H07RN-F	Schuko St-Bu	1,7 kg	131694
KE-LED-EA 5030-P/110-D	30	110 V AC/DC	0,200	3000 lm	II	Polycarbonat	IP65	5 m H07RN-F	ohne w/o	1,7 kg	131695
KE-LED-EA 5030-P/42-D	30	42 V AC/DC	0,455	3000 lm	II	Polycarbonat	IP65	5 m H07RN-F	ohne w/o	1,7 kg	131696
KE-LED-EA 5030-P/24-D	30	24 V AC/DC	0,725	3000 lm	III	Polycarbonat	IP65	5 m H07RN-F	ohne w/o	1,7 kg	131697

Dimensions



Dimensions in mm

	a	b	c	d
KE-LED-EA 5030-P	890	25	670	50



Dimensions in mm

	a	b	c	d
KE-LED-EA 5030-P/...-D	930	25	670	50

KE-LED-DW 63..



KE-LED-DW 6336

KE-LED-DW 6324

KE-LED-DW 6312



Standard cable gland with connecting cable



Quick connector for easy and fast luminaire mounting



Through-wiring for linking several lamps

The luminaires from the KE-LED-DW 63xx series are universally applicable due to the different versions available.

- Illuminant: 12, 24 or 36 POWER LEDs / 6500 K
- Protection tube: polycarbonate, shock-resistant, 63 mm Ø
- Diffuser foil integrated in the protective tube
- End cap made out of neopren
- Fixation: incl. 2 fixing clamps made of plastic
- Protection category: IP65 / IP67 / IP68
- Protection class: II/III
- Cable: 5 m H07RN-F 2 x 1,5 mm²
- Voltage: 230 V / 110 V / 42 V / 24 V
- Options: cable length, plug types, quick-connect versions

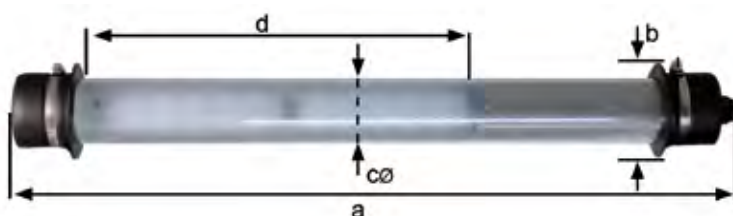


End parts made out of neoprene

Technical details

Type	Volt	Amp.	Volt	Amp.	Volt	Amp.	Volt	Amp.	Lumen	Cable	Weight
KE-LED-DW 6312	230 V AC	0,057	110 V AC/DC	0,087	42 V AC/DC	0,xxx	24 V AC/DC	0,255	1000 lm	5 m H07RN-F	1,4 kg
KE-LED-DW 6324	230 V AC	0,090	110 V AC/DC	0,160	42 V AC/DC	0,420	24 V AC/DC	0,750	2700 lm	5 m H07RN-F	1,7 kg
KE-LED-DW 6336	230 V AC	0,120	110 V AC/DC	0,220	42 V AC/DC	0,420	24 V AC/DC	0,740	3400 lm	5 m H07RN-F	1,8 kg

Dimensions



Dimensions in mm

	a	b	c	d
KE-LED-DW 6312	500	90	63	190
KE-LED-DW 6324	600	90	63	370
KE-LED-DW 6336	860	90	63	550

KE-LED 5045/230-M



Universal LED lamp with 288 high-performance LEDs.
Ideal for use in the building industry and painting craft.
Dazzle-free light, 360° round light.

- Illuminant: 288 high-performance LEDs, 4000 Kelvin
- Protection tube: polycarbonate, opal matt, 50 mm Ø
- End caps: soft-PVC, black
- Fixation: rotatable suspension hook made of metal
- Protection category: IP54
- Protection class: II
- Cable: 10 m H07RN-F 2 x 1,0 mm² with plug
- Voltage: 230 V
- Options: cable length, plug types



Robust end cap made of PVC

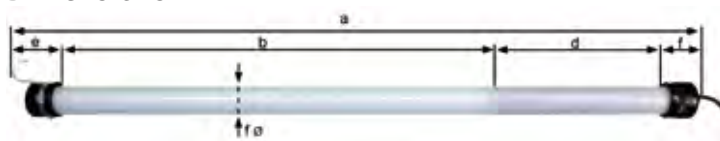


Robust, opalescent protective tube

Technical details

Type	Number LED	Volt	Lumen	Protection Class	Protective Tube	IP	Cable	Plug	Weight	Art.-No.
KE-LED 5045/230-M	288	230 V AC	6000	II	Polycarbonat	IP54	10 m H07RN-F	Konturen-	1,1 kg	117008

Dimensions



Dimensions in mm

	a	b	c	d	e	f
KE-LED 5045/	1270	800	50	325	90	55

Accessories



- Metal stand STA-50 with clamps

Type	Material	Height (mm)	Weight (kg)	Art.-No.
STA 50	Eisen, verzinkt	435	1,8	291392

Fixing clamps



Fixing clamp

Magnet clamps



Magnet with spring steel clamp



Fixation clamp with magnet

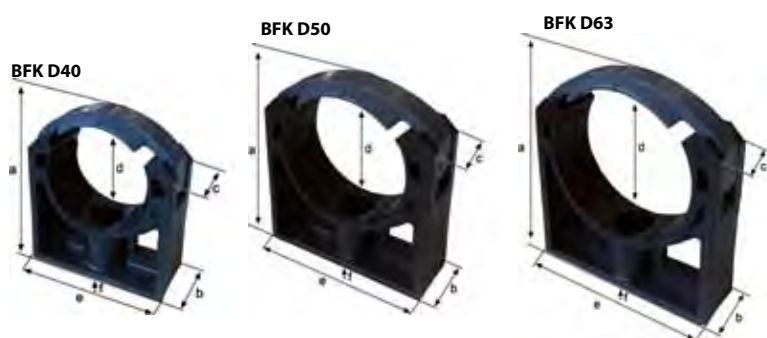
Suspension|



Suspension hook

Accessories for fixation of Built-in and surface mounted lamps and hand lamps.

Fixing clamps



Type	Art.-No.	for ¹⁾	Dimensions in mm					
			a	b	c	d	e	f ²⁾
BFK D40	290056	40	67	25	20	40,4	57	1x
BFK D50	290057	50	75	25	20	50,5	69	1x
BFK D63	290058	63	91	25	20	63,6	84	1x

¹⁾ Diameter of the tube

²⁾ Number of fixing hole

Permanent adhesion magnet (completely with spring steel clamp or plastic clamp BFK)



Type	Art.-No.	Kind of Fixation	Adhesive Force	for Tube diameter	Weight
KM 10	290498	Spring steel clamp	10 kg	26 - 32 mm	0,090 kg
KM 20	290499	Spring steel clamp	20 kg	26 - 32 mm	0,100 kg
KM 30	290500	Spring steel clamp	60 kg	26 - 32 mm	0,490 kg
KM 40	291600	Clamp BFK D40	60 kg	40 mm	0,520 kg
KM 50	290750	Clamp BFK D50	60 kg	50 mm	0,545 kg
KM 63	290503	Clamp BFK D63	60 kg	63 mm	0,560 kg

Suspension hook made of INOX

Type	Art.-No.
AH 70	290097

Instead of fixing clamps for the universal lamps type KE-LED-DW



Example for application

Portable LED lights - Areas of application

Shipyards



Civil construction



Heavy industry



Army



Mining and quarries



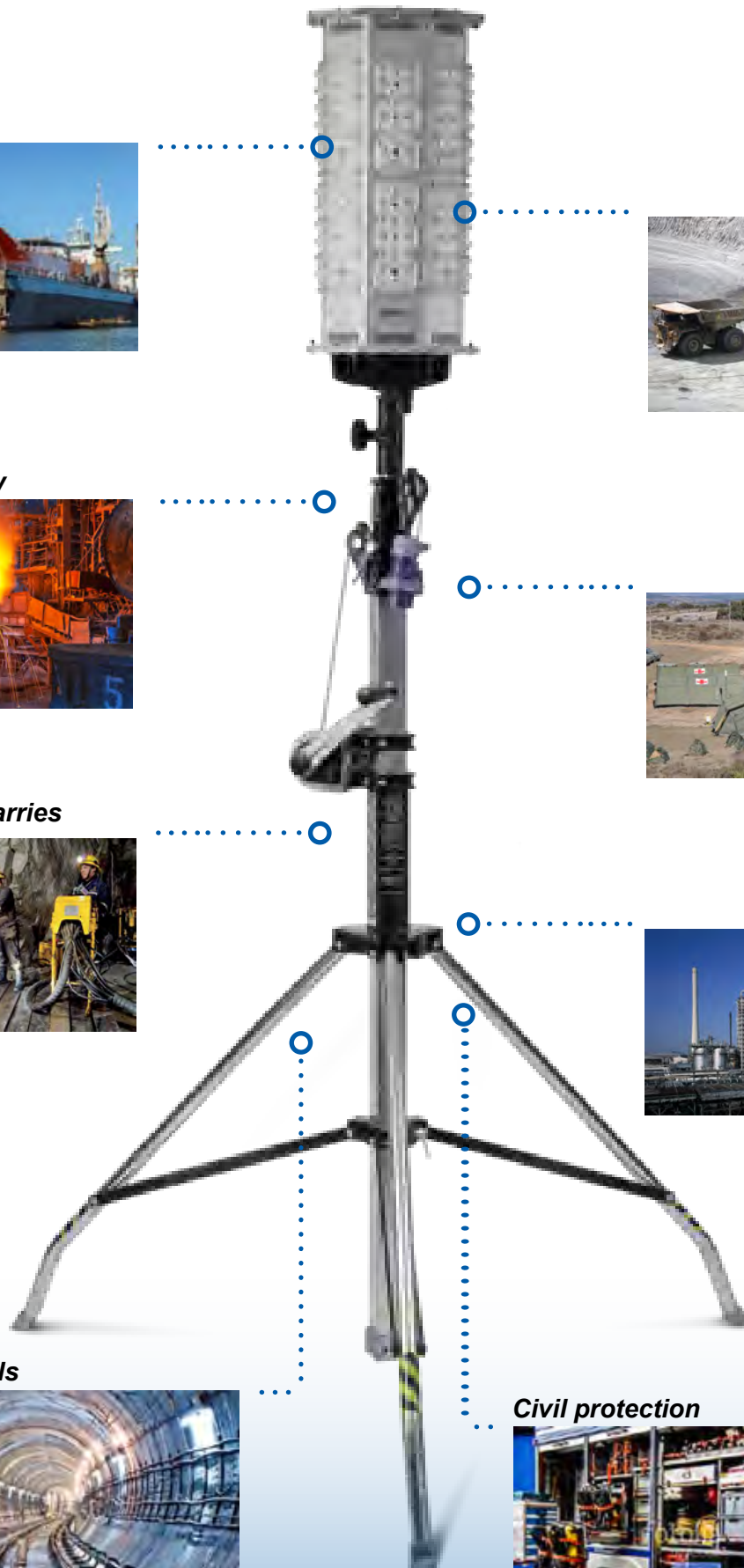
Industrial plants



Tunnels



Civil protection



Atlas LED - 360°

LED	16300 Lumen	230V	IP67
-----	----------------	------	------



Designed to be placed on the floor in order to diffuse its powerful light around the area. Emission 360° (horizontal plane).
The outer lamp tubes are made of high transparent polycarbonate resistant to chemicals, inorganic acids (medium concentration), alcohol (no methyl), oils and greases.

- Supply voltage 230V
- Power rating 96W with high efficiency Led modules (170 Lm/W)
- Protection degree IP67
- n. 8 Independent ballast in compliance with EN 61347-1, 61347-2-13, 62384
- Ballast working temperature -20°C +50°C
- IR suppression according to EN 55015
- Grid harmonics according to CEI EN 61000-3-2
- Electromagnetic compatibility (EMC) according with CEI EN61547, 61000-3-3
- Conformity with: 2014/35/EU, 2014/30/EU, 2009/125/EC, 1194/2012, 2011/65/EU.
- Photobiological hazard within the group 1 (low risk) according to IEC 62471"



New high-power mobile floodlight suitable for lighting medium working area sites.

The system is composed by 8 independent led lamps placed on a support made of nylon loaded with glass fiber 30% in order to reduce weight increasing stability. The product to stand on the floor is completely maintenance free.
 Base designed to host 5m cable neoprene H07RN-F 3G2,5mm + mobile plug and through wired socket P17 16A 2P+E 230V IP67.

Thanks to its innovative the product does not need forced cooling. Low maintenance costs thanks to a lifetime up to 50.000 hours.
 Immediate lighting (no warm-up required) with a very wide temperature range (-20°C +50°C)
 Designed for use in rough working environments such as building sites, internal tilers, plasterboard decorators, etc.

Technical details

Type	Atlas LED 360
Housing	Nylon - polycarbonate
Illuminant	96 W LED
Luminous flux	16300 Lumen
Power factor	0.95
Isulation Class	II
Color temperature °K	6500
Protection category	IP67
Weight	7 kg
Art.-No.	ATL962AS



Dimensions in mm

ATLAS LED	600 x 250 mm
-----------	--------------

Prometheus LED - 360°

LED

24500
Lumen

230V

IP67



Prometheus has been designed for use in rough environments such as tent sites, civil protection camps, fire brigades, army, building sites and all others where an immediate light makes the difference.

- Supply voltage 230V
- Power rating 144W with high efficiency Led modules
- Protection degree IP67
- n. 8 Independent ballast in compliance with EN 61347-1, 61347-2-13, 62384
- Ballast working temperature -20°C +50°C
- IR suppression according to EN 55015
- Grid harmonics according to CEI EN 61000-3-2
- Electromagnetic compatibility (EMC) according with CEI EN 61547, 61000-3-3
- Conformity with: 2014/35/EU, 2014/30/EU, 2009/125/EC, 1194/2012, 2011/65/EU
- Photobiological hazard within the group 1 (low risk) according to IEC 62471
- Stand (art. TE250) not included

New high-power floodlight suitable for lighting wide area.

The system is composed by 8 independent led lamps and is maintenance free (no forced cooling). Immediate lighting (no warm-up required) with a very wide temperature range (-20°C +50°C).

The product has to be placed on a tripod in order to diffuse its powerful light



Technical details

Type	Prometheus LED 360
Housing	Aluminium - polycarbonate
Illuminant	144 W LED
Luminous flux	24500 Lumen
Power factor	0.95
Isulation Class	II
Color temperature °K	6500
Protection category	IP67
Weight	9 kg
Art.-No.	PRO1842AS

High transparent and polycarbonate outer tube resistant to chemicals, inorganic acids (medium concentration), alcohol (no metylic), aliphatic hydrocarbons (oils and greases).

Aluminium reflecting structure hosting the Led modules and the independent gears. Quick coupling system (no tools required). Blocking with screw knobs. End terminal suitable for tripod tube diameter 35 mm.

The Item is provided of 5 m cable H07RN-F cross section 3G1.5 and CEE plug 230 16A 2P+E IP67

Dimensions in mm

PROMETHEUS LED 900 x 200 mm

Saturn LED - 360°

LED	40000 Lumen	230V	IP67
-----	----------------	------	------



Saturn has been designed for use in rough environments such as tent sites, civil protection camps, fire brigades, army, building sites and all others where an immediate light makes the difference.

- Supply voltage 230V
- Power rating 240W with high efficiency Led modules (161 Lm/W).
- Protection degree IP67
- Asymmetric focusing lenses with High IK (10)
- Operating temperature -40°C +50°C
- IR suppression according to EN 55015
- According to the Directives: 2011/65/UE (Directive RoHS), 2014/35/UE (Low Voltage Directive), 2014/30/UE (EMC Directive).
- Standard references:
Safety: UL8750, CSAC22.2N.250.13-12, EN61347 2-13, EN62384
EMC EMISSION: EN55015, EN61000-3/2 CLASS C, EN61000-3-3
EMC IMMUNITY: EN61000-4-2,3,4,5,6,8,11, EN61347
- Photobiological hazard within the group 1 (low risk) according to IEC 62471-2006, emission tested according to ANSI/IESNA RP-27



New lighting system for wide areas.

Aluminium structure with innovative IP solution. The product is IP67 (in all directions) although some cooling openings on the modules support. The aluminium body grants a very light weight and a perfect heating dissipation. No cooling fan necessary.

The product is completely maintenance free.

N.16 High efficiency LED modules with low heating losses. Light distribution 360°

N.16 Asymmetric focusing lenses – made of polycarbonate with high IK (10) – to concentrate the luminous flux to the operators in order to maximize the efficiency of the system. In short: to spot light where needed. Gear placed on the bottom part of the system."

Technical details

Type	Saturn LED 360
Housing	Aluminium - polycarbonate
Illuminant	240 W LED
Luminous flux	40000 Lumen
Power factor	0.95
Isulation Class	I
Color temperature °K	6500
Protection category	IP67
Weight	10 kg
Art.-No.	SATN240222AS

Quick coupling system (no tools required). Blocking with screw knobs. End terminal suitable for tripod tube diameter 35mm.

Immediate lighting (no warm-up required)

The Item is provided of 5 m cable H07RN-F cross section 3G1.5 and CEE plug 230 16A 2P+E IP67"

Dimensions in mm

SATURN LED 710 x 295 mm

Gigalight LED

LED

4000
Lumen

230V

IP67



Designed to be placed on the floor in order to diffuse its light around the area.

Gigalight is an interesting product suitable to be used in: Shipyards, Building sites, Industrial maintenance, Fire departments, Temporary plants and Tents for military



- Body in impact-proof insulating thermoplastic material (IK10) with rubber bumper edge
- Heat-resistant and UV-stabilized opaline polycarbonate shell
- Hanging hook for vertical positioning
- Operating temperature from - 20°C to +45°C
- IIP67 according the configuration
- Insulation class I - III (Norm IEC 64-8)
- Dimensions 695 x 125 mm (L x max Diam)
- Active P.F.C.
- Power factor 0,97.
- Built in compliance with EN 60928, EN 61547, EN 61000-3-2, EN 55015, EN60598-1, EN60598-2-1, EN61347-1, EN61347-2-13, EN62384.
- Power: 24W
- Luminous flux: 4.000 lumen
- Color temperature 6500K
- Life span 50.000 hours of operation
- Emission angle 120 degree
- Luminous flux > 4.000 Lumen

Technical details

Type	Gigalight LED
Housing	Thermoplastic - rubber
Illuminant	24 W LED
Luminous flux	4000 Lumen
Power factor	0.97
Isulation Class	I-III
Color temperature °K	6500
Protection category	IP67
Emission angle	120°
Operating temperature	-20°C - +45°C

Type	Number LED	Volt	Lumen	Protection Class	Material	IP	Cable	Through wiring	Art.-No.
GIGALIGHT LED 24	24	24 V AC	4000 lm	III	Thermoplasitc	IP65	3m H07NR-F + schucko 230V	-	LMLG24221XDHJ/FRLU
GIGALIGHT LED 24 TW	24	24 V AC	4000 lm	III	Thermoplastic	IP65	3m H07NR-F + plug CEE	2xCEE 230V	LMLG24221A2DH

NANOLED LED - NANOLED FLAT LED

LED

1700
Lumen24-48V
110V
220V

IP65



**New compact Led lamp suitable for harsh environments.
Shockproof (IK10), self-extinguishing body made of reinforced 6.6 NYLON**

- Upper part (junction box) formed by a unique body in NYLON 6.6
- N.1 cable gland PG 13 and n.1 threaded cap (to be replaced with a PG13 for wiring through)
- Protection degree IP65 (with special tightness gasket) – IK10
- Hanging hook
- Inner ballast designed in H.V.I.C C-MOS technology (Hi Voltage Integrated Circuit) with low losses working in high frequency (>70Hz) to optimize longevity of led modules.
- PFC (Power factor corrector) to reduce problems often due to power excess apparently used.
- Photobiological hazard exempt according to IEC 62471
- Diameter 105 mm (approx)
- Height 200 mm (body) + 40 mm (hanging hook) (approx)
- Weight 600 g (approx)



Flat cable



- Power supply through punching clamp with stainless steel contact points (INOX AISI 316) connected to flat binate cable not to be cut or peeled. Cable cross section 2x6 smm.
- Protective cover made of opal polycarbonate with special design to spread light emission.

Technical details

Type	Number LED	Volt	Lumen	Protection Class	Material	IP	Cable	Plug	Weight	Art.-No.
NANOLED	12	24V AC/DC	1700 lm	II	NYLON	IP65	3 m H07RN-F	CEE 2P 16A	0,6 kg	EFLN122411P
NANOLED	12	48 V AC/DC	1700 lm	II	NYLON	IP65	5 m H07RN-F	CEE 2P 16A	0,6 kg	EFLN122413P
NANOLED	12	110 V AC	1700 lm	II	NYLON	IP65	5 m H07RN-F	CEE 2PT 16A	0,6 kg	EFLN121116P
NANOLED	12	220 V AC	1700 lm	II	NYLON	IP65	5 m H07RN-F	CEE 2PT 16A	0,6 kg	EFLN12221AP

Type	Number LED	Volt	Lumen	Protection Class	Material	IP	Cable	Weight	Art.-No.
NANOLEDFLAT	12	24V AC/DC	1700 lm	II	NYLON	IP65	Flat cable 2x6smm	0,6 kg	EFLN1224RC6/N
NANOLEDFLAT	12	24 V AC/DC	1700 lm	II	NYLON	IP65	Flat cable 2x25smm	0,6 kg	EFLN1224RC/N
NANOLEDFLAT	12	48 V AC/DC	1700 lm	II	NYLON	IP65	Flat cable 2x6smm	0,6 kg	EFLN1248RC6/N
NANOLEDFLAT	12	48 V AC/DC	1700 lm	II	NYLON	IP65	Flat cable 2x25smm	0,6 kg	EFLN1248RC/N

FINCA LED

LED	2250 Lumen	24V 48V	IP54
-----	---------------	------------	------



Base composed by a unique body made in nylon 6.6 loaded with glass fiber 30%, shock resistant, anti-ageing, self-extinguishing. Optimal for temporary installations in trade shows, buildings, shipyards and all environments where maximum flexibility of temporary installations is required

- Power supply through punching clamp of insulation suitable for flat binate cable 2x6, 2x16 or 2x25smm
- Protection degree IP54
- Stainless steel contact tips AISI 316, stainless clamping screws AISI 316 with captive system while opening nut MA5 made in brass inserted in the lamp body while moulding process.
- Inner ballast designed in H.V.I.C C-MOS technology (Hi Voltage Integrated Circuit) with low losses working in high frequency (>70Hz) to optimize longevity of led modules.
- Power factor 0.90 with inner PFC (Power factor corrector) to reduce problems often due to power excess apparently used.
- Photobiological hazard exempt according to IEC 62471
- Easier disposal as led modules do not contain substances subject to special regulations, then the whole product is compatible with standard waste RAEE.
- Dimensions 251 x 105 (diam) mm
- Weight 800 g (approx)



Flat cable



- Resistant to acids, oils and greases. Excellent water and dust proof sealing.

Technical details

Type	Number LED	Volt	Lumen	Protection Class	Material	IP	Cable	Weight	Art.-No.
FINCALED	16	24V AC/DC	2250 lm	II	NYLON	IP54	Flat cable 2x6smm	0,8 kg	EFL16024RC6/N
FINCALED	16	24 V AC/DC	2250 lm	II	NYLON	IP54	Flat cable 2x25smm	0,8 kg	EFL16024RC/N
FINCALED	16	48 V AC/DC	2250 lm	II	NYLON	IP54	Flat cable 2x6smm	0,8 kg	EFL16428RC6/N
FINCALED	16	48 V AC/DC	2250 lm	II	NYLON	IP54	Flat cable 2x25smm	0,8 kg	EFL16428RC/N

Polaris LED

LED	4600 Lumen	230V 48V 24V	IP67
-----	---------------	--------------------	------



Designed to be placed on the floor in order to diffuse its powerful light. Shockproof body made of special blend of ABS and Polycarbonate Lastilac 10 resistant to acids, oils and greases.

Overmoulded rubber edges to prevent side shocks and impact protection.

Carrying handle to place the lamp in the desired position.

Excellent water and dust proof sealing.

Opal and shockproof polycarbonate shield with overmoulded gasket to guarantee the IP degree

Power supply and LED module.

230V AC with plug and cable according to customer needs. The LED module is assembled with the latest LED generation with high efficiency, using only products coming from manufacturers certificated by international bodies. The LED module is a I.M.S. -Insulated Metal Substrate- PCB made of FR4



Model with receptacles for through wiring

Electronic driver

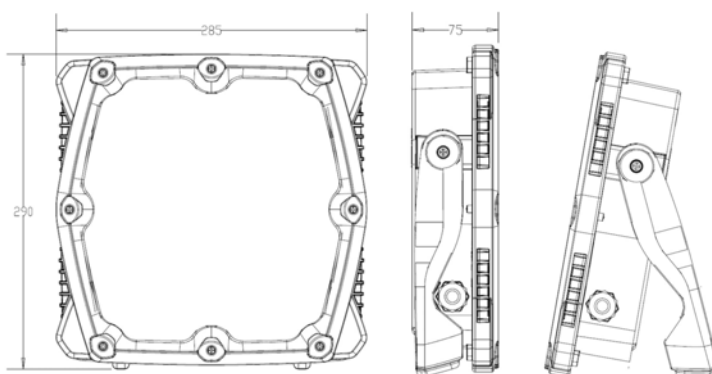
The electronic PWM driver works in high frequency (>36kHz) and supplies a constant current to the LED module. Thanks to that solution the electric parameters are kept constant also in case of voltage input variation (within the range of label data).

Inner Hybrid C.R.D PFC (Power factor corrector) to reduce problems often due to power excess apparently used. The PFC controls, through an angle phase decoder, the input wave form with the system Phase-Symmetry Balancing, to drive the commutation in order to reduce the peak of currents, the harmonics as well as the emission.

To grant a long life span the product is protected against the temporary extravoltage ESD.

Technical details

Type	Polaris LED
Housing	ABS -Polycarbonate Lastilac 10
Illuminant	40 W LED
Luminous flux	6.800 Lumen
Power factor	0.97
Isulation Class	II
Color temperature °K	4000
Protection category	IP67
Lifetime	50.000h
Operating temperature	-20°C - +50°C



Type	Number LED	Volt	Lumen	Protection Class	Material	IP	Cable	Through wiring	Art.-No.
POLARIS LED 24	40	24 V AC	6800 lm	II	ABS-POLY	IP67	5m H07NR-F + plug CEE	-	LPLA402421S
POLARIS LED 24 D	40	24 V AC	6800 lm	II	ABS-POLY	IP67	5m H07NR-F + plug CEE	2xCEE	EFLN1224RC/N
POLARIS LED 48	40	48 V AC	6800 lm	II	ABS-POLY	IP67	5m H07NR-F + plug CEE	-	LPLA404823S
POLARIS LED 48 D	40	48 V AC	6800 lm	II	ABS-POLY	IP67	5m H07NR-F + plug CEE	2xCEE	EFLN1248RC/N
POLARIS LED 230	40	230 V AC	6800 lm	II	ABS-POLY	IP67	5m H07NR-F + plug CEE	-	LPLA40222XS
POLARIS LED 230 D	40	230 V AC	6800 lm	II	ABS-POLY	IP67	5m H07NR-F + plug CEE	2xCEE	EFLN1248RC/N

LED

4600
Lumen

230V
110V
42V
24V
12V

IP65

Brightboy LED



Features



available with additional socket



stackable



can be used vertically and horizontally

Robust LED worklight with bright light. Dazzle-free light based on special prismatic-shaped cover. Optional with additional socket available.

- Robust LED spotlight, 3 rows
- Plastic housing, impact resistant
- Width, uniform illumination
- Positionable horizontally or vertically,
- Protection category IP65
- optionally available with an additional integrated socket (for series connection)



Emergency function



Magnetic system



Telescopic tripod stainless steel stand

Anwendungsbeispiel
Application example

Technical details

Type	Version	Voltage	Plug	Art.-No.
Brightboy LED 230 Volt				
Standard		230 V AC	Schuko	290690
with socket		230 V AC	Schuko	290691
Brightboy LED 110 Volt				
Standard		110 V AC/DC	CEE	290703
with socket		110 V AC/DC	CEE	290704
Brightboy LED 42 Volt				
Standard		42 V AC/DC	CEE	290694
with socket		42 V AC/DC	CEE	290695
Brightboy LED 24 Volt				
Standard		24 V AC/DC	CEE	290696
mit socket		24 V AC/DC	CEE	290697
without plug		24 V AC/DC	w/o	290700



Dimensions in mm

	a	b	c
Brightboy	378	140	220

AccuLux FL 20 W LED



Mobile working spotlight for the in- and outdoor area with wide illumination of working areas. Der Li-ion-accu guarantees a cable-free application of ca. 6 hours.

- Mobile, rechargeable LED spotlight
- Width and homogeneous illumination
- Flexible rotatable for targeted illumination
- Protection category IP65
- Spotlight rechargeable in vehicles (12 V / 24 V) as well as in buildings (100-240 V)



Carrying handle with pad



Tilt angle adjustable



Powerful Li-ion battery

Technical details

Type	AccuLux FL 20 W LED
Housing	Aluminium
Illuminant	20 W LED
Duration	ca. 6 h
Charging time	ca. 4 h
Beam angle	ca. 120°
Luminous flux	ca. 1000 Lumen*
Protection category	IP65
Accu	Li-Ionen 7,4 V / 6600 mAh
Input volt.	100-240V AC oder 12V / 24V DC
Charging volt.	230V AC 50 / 60Hz, 12 / 24V DC
Weight	ca. 1,5 kg
Art.-No.	290660

*Luminous flux (Lumen) respectively maximal headlight range (meter) measured by switch-on with a set of new battery. It is a matter of average values, which can differ through component tolerance about +/- 10%.



Dimensions in mm

	a	b	c
FL 20 W LED	215	185	268

AccuLux 1500 LED



Practically foldable



Safe stand

The mobile work light 1500 LED is suitable for indoor and outdoor use and offers thanks to 15W power LED a light output of up to 1500 lumens.

- Mobile, rechargeable LED spotlight
- High light output of up to 1500 lumens
- 2 holding magnets integrated
- 3 brightness levels adjustable
- Space-saving folding
- Degree of protection IP54
- Spotlight rechargeable at 230V & 12 / 24V



Practical handle robust housing



Practically foldable



Rechargeable to 230V 12 / 24V

Technical details

Type	AccuLux 1500 LED
Housing	plastic
Illuminant	15 W LED
Duration	2,5 h / 5 h / 10 h
Charging time	ca. 6 h
Beam angle	ca. 120°
Luminous flux	ca. 1500 Lumen*
Protection category	IP54
Accu	Li-Ionen
Others	2x Magnet / 2x magnets
Charging volt.	230V & 12/24V
Weight	ca. 820 g
Art.-No.	290661



Dimensions in mm

	a	b	c
1500 LED	161	169	224

*Luminous flux (Lumen) respectively maximal headlight range (meter) measured by switch-on with a set of new battery. It is a matter of average values, which can differ through component tolerance about +/- 10%.

permalec

MATERIAL ELECTRICO INDUSTRIAL



PERMALEC INDUSTRIAS, S.L.

San Dalmacio, 20

28021 MADRID

Tel. 917 960 152 - info@permalec.com

Soluciones móviles de distribución eléctrica e iluminación LED para aplicaciones industriales y zonas ATEX

permalec.com