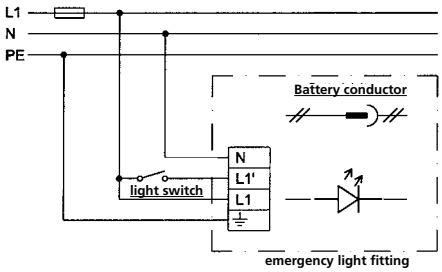


ExeLED 1 N

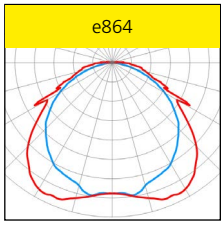
LED-Emergency Light Fitting for Ex-Zone 1/21
Series e864...

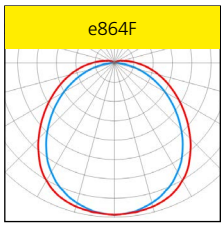
Applications:
Hazardous locations of Zones 1/2 (gas) and 21/22 (dust), for illuminating escape routes.

Design:
Housing: Glass fibre reinforced polyester with separate battery box at one small side of the housing.
Cover: Injected polycarbonate, frosted (**F**), silicone gasket.
Closure: Stainless steel clips (**KE**), two of them as safety clip (**KES**), to be opened with screwdriver only.
Reflector: Sheet Steel, painted, carrying the encapsulated LED-modules, clipped into the cover, suspendable.
Connection: 4 poles up to 4 mm^2.
Cable entries: 2 entries M25 x 1.5 at one small side of the housing, (2 glands - one of them is plugged)
Standard: Facing downwards or forwards.
Mechanical installation:
Mounting accessories see spare parts/ accessories.



Starting:
Connect battery conductor.
Out-of-operation: separate battery conductor.
Stand-by operation: Do not connect L1'.





Technical Data:
LED: Line modules appr. 6,500 K, CRI > 80, service life L_{90} > 95,000 h (06L..), L_{90} > 85,000 h (12L..) at 25 °C ambient temperature, service life L_{80} > 100,000 h at max. ambient temperature
ECG with an integrated emergency control unit
Incorporated NiMH battery, electronic charger, short circuit protected battery and reverse battery protection
Electronic deep discharge protection: acc. to EN 61347-2-7
Re-charging time: 24 h, acc. to EN 60598-2-22
Automatic monitoring: of the emergency light fitting according to EN 62034, indication of the test results by 2-coloured LED (luminescence diode) at the luminaire

Mode of operation:
maintained operation = switching over to battery operation in case of mains failure, line modules will be operated with reduced luminous flux as emergency lighting.
stand-by operation = switching on in case of mains failure.

Options:
– 4,500 K; light colour (**845**)
– through-wiring (**DV**)
– remote switch-off device

Product highlights:

- safety in case of an emergency, instant light with maximum light output
- operation in maintained, switched maintained or stand-by mode possible
- multifunctional LED with coded indication of the functions, states and potential faults of the electronic device and the battery
- automatic weekly function test
- automatic annual duration test
- manual actuation of duration test is possible
- easy battery replacement due to connector
- **innovative encapsulation** with high transmission rate
- **LED-Modules protected from mechanical or electrostatic damages by sandwich design of reflector and cover**
- **homogeneous illumination by using frosted diffusers** no individual light points visible, comfortable perception of light, brilliant glare limitation
- **high colour rendering index CRI > 80**, according to the workplace guide lines suitable for nearly all plant locations
- **FastFix mounting,** system for variable mounting distances and easy installation (retaining clips HK865 P) without opening the fitting
- control gear and reflector with LED-modules replaceable by qualified personnel on-site

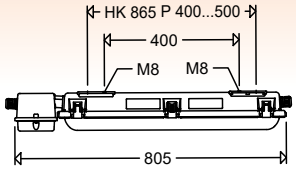
! Properties, limitations and details for controlling LED-light fittings:
See "Technical Supplement"

All data are correct at the time of printing. Actual technical data can be found under www.schuch.de.

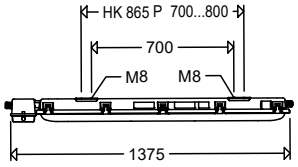
Note:

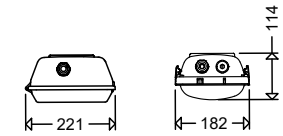
This light fitting is not suitable for applications in areas with permanent high humidity in combination with only short periods of operation, such as sewage or stormwater retention tanks or water treatment plants.

e864 06L... H

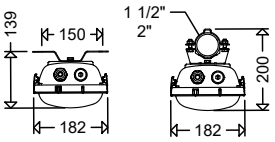


e864 12L...

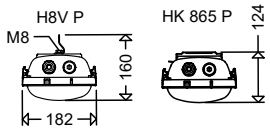




15A(V) P RO84 ... A P



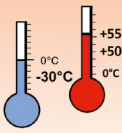
H8V P HK 865 P



Article no.	Type	Connected load [W]	Luminous flux [lm]	Luminous flux [lm] (emergency)	Luminous efficacy [lm/W]	Cover frosted	Cover clear	Operating time 1 h	Operating time 3 h	Ta max [°C]	Substitute for *	Weight [kg] (without packingmaterial)

e864...

II 2 G Ex db eb mb q IIC T4 Gb | II 2 D Ex tb IIIC T80°C Db | IP66



EU-Type Examination Certificate:
ATEX: IBExU 17 ATEX 1026X
Other approvals:
IECEx: IECEx IBE 17.0016X
Marking:
II 2 G Ex db eb mb q IIC T4 Gb (Zone 1)
II 2 D Ex tb IIIC T80°C Db (Zone 21)
Ignition protection: ec

Rated voltage: 220-240 V AC, 50/60 Hz.
Permissible ambient temperature:
-30 °C up to +55 °C
Nominal range acc. to EN 60598-2-22 0 °C up to 45 °C, reduced emergency light duration if operated below 0 °C.

86405 0050	**e864F 06L22/1/2**	18	2.170	700	121	•		•		55	2 x 18W	6,2
86405 0052	**e864F 06L42/1/2**	29	4.100	700	141	•		•		50	2 x 36W	6,4
86405 0051	**e864F 06L22/3/4**	18	2.170	700	121	•			•	55	2 x 18W	6,4
86405 0053	**e864F 06L42/3/4**	29	4.100	700	141	•			•	50	2 x 36W	6,6
86405 0001	**e864F 12L42/1/2**	29	4.360	750	150	•		•		55	2 x 36W	7,6
86405 0002	**e864F 12L60/1/2**	41	6.020	750	147	•		•		55	2 x 58W	7,6
86405 0101	**e864F 12L42/3/4**	29	4.360	750	150	•			•	55	2 x 36W	8,0
86405 0102	**e864F 12L60/3/4**	41	6.020	750	147	•			•	55	2 x 58W	8,0

e864... DIMDI

LiMAS | II 2 G Ex db eb mb q IIC T4 Gb | II 2 D Ex tb IIIC T80°C Db | IP66

with monitoring and dimming function via DALI interface

Design:
As standard version, but with DALI interface for dimming and centralised monitoring.
Compatible with **LIMAS Line PRO** Light Management System.

Note:
The conducting wires to the control input must be mains voltage stable and can be integrated in the connection cable.

86405 0150	**e864F 06L22/1/2 DIMDI**	18	2.170	700	121	•		•		55	2 x 18W	6,2
86405 0152	**e864F 06L42/1/2 DIMDI**	29	4.100	700	141	•		•		50	2 x 36W	6,4
86405 0153	**e864F 06L42/3/4 DIMDI**	29	4.100	700	141	•			•	50	2 x 36W	6,6
86405 0003	**e864F 12L42/1/2 DIMDI**	29	4.360	750	150	•		•		55	2 x 36W	7,6
86405 0004	**e864F 12L60/1/2 DIMDI**	41	6.020	750	147	•		•		55	2 x 58W	7,6
86405 0103	**e864F 12L42/3/4 DIMDI**	29	4.360	750	150	•			•	55	2 x 36W	8,0
86405 0104	**e864F 12L60/3/4 DIMDI**	41	6.020	750	147	•			•	55	2 x 58W	8,0

* The given information is for rough orientation only. In each individual case a lighting calculation is necessary.

Accessories / Spare Parts

Article No.	Type	
Spare batteries		
90222 9023	**Akku NiCd 1,6Ah 6,0V Block 8020**	NiCd accu, 1.6 Ah 6.0V, Block for luminaire types ...H (pay attention to the correct part number)
90222 9021	**Akku NiCd 4,0Ah 6,0V Block 2627**	NiCd accu, 4.0 Ah 6.0V,Block for luminaire types ...H (pay attention to the correct part number).
90222 9035	**Akku NiMH 2,2Ah 6,0V Block 8022**	NiMH accu, 2.2 Ah 6.0V, Block for luminaire types ...H (pay attention to the correct part number)
90222 9036	**Akku NiMH 4,0Ah 6,0V Block 8024**	NiMH accu, 4.0 Ah 6.0V, Block for luminaire types ...H (pay attention to the correct part number)
Spare covers		
86601 9014	**ABD 8652F**	cover, frosted PC diffuser, for e864F 06 ..., e865F 06 …, nD866F 06 …, nD867F 06 ...
86601 9001	**ABD 8654F**	cover, frosted PC diffuser, for e864F 12 ..., e865F 12…, nD866F 12…, nD867F 12 ...
86601 9000	**ABD 8654**	cover, diffuser PC clear, for e864 12 ..., e865 12 …, nD866 12 …, nD867 12 ...
Fasteners		
90055 9004	**KE/KES VE10**	stainless steel, incl. 2 safety clips (packing unit 10 pcs.) see picture on the left, for e 864 12L.. until year of manufacture 2020
90055 9005	**KES P**	1 pair of safety clips stainless steel for e864 12L.. until year of manufacture 2020
90055 9007	**KE/KES G2 VE10**	stainless steel, incl. 2 safety clips (packing unit 10 pcs.) see picture on the left, for e 864 12L.. from year of manufacture 2020 and for e 864 06L..
90055 9006	**KES G2 P**	1 pair of safety clips stainless steel for e864 12L.. from year of manufacture 2020 and for e864 06L..
Glands/breather		
90117 9006	**2537 G**	ex-protected plastic cable gland M25 x 1,5 with locknut
90118 9006	**2538 G**	ex-protected plastic plug M25 x 1,5 with locknut
90119 9001	**2539 G**	ex-protected plastic cable gland M25 x 1,5 with blanking plug and locknut
90259 9000	**KS25 G EX**	ex-breather M25 x 1,5
Mounting material		
86501 9003	**HK 865 P**	2 retaining clips for variable mounting in indoor areas
90001 0002	**H8V P**	2 suspensions brackets, stainless steel
90000 0002	**DS 15A P**	2 ceiling brackets, hot galvanized steel
90032 0002	**DS 15AV P**	2 ceiling brackets, stainless steel
90037 0004	**RO84 112 A P**	2 pipe clamps 1 ½", stainless steel, with support
90038 0004	**RO84 2 A P**	2 pipe clambs 2", stainless steel, with support
26000 0008	**WW 26 L P**	2 wall mounting angles, hot galvanized steel
26000 0002	**WW 26 30 P**	2 wall mounting angles 30°, hot galvanized steel
26000 0003	**WW 26 45 P**	2 wall mounting angles 45°, hot galvanized steel

Fasteners

KE/KES VE10
KES P



KE/KES G2 VE10
KES G2 P

