



Explosion-Protected Light Fittings Series e840...

Application:

Hazardous areas of zones 1, 21 and 2, 22.

Design:

Housing: Glass fibre reinforced polyester resin.

Cover: Clear polycarbonate with internal prisms, hinged.

Gasket: Silicone, foamed.

Reflector: Glass fibre reinforced polyester, hinged and removable.

Central locking system: Operated by a hexagonal socket key 13mm.

Isolating switch: Switching off all poles when the light fitting is opened.

Wiring: Electronic ballast with "end-of-life switching-off system".

Connection: Prepared for looping the mains cable on one small side. Terminal L1 + N + PE up to 6mm² max.

Cable entries: 3 entries M25 x 1,5 (2 glands, 1 of them with plug and 1 screw plug).

Mechanical installation: 2 suspension brackets with bolts (H8V P) or 2 ceiling brackets (15A P), see accessories.

Technical Data:

Rated voltage: 220-240V AC/DC, 0 or 50-60Hz.

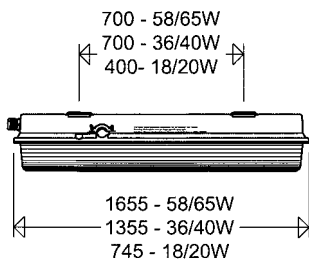
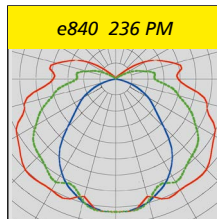
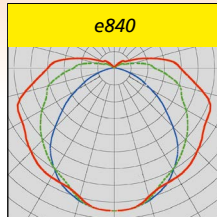
Ambient temperature: -20°C up to +60° (depending on version)

Options:

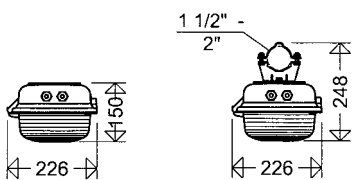
- separate lamp monitoring device (T)
- with 2 individual electronic ballasts for 2 separate mains
- for connection to group or central battery (light fittings of version ZB only)
- with monitoring module for monitoring the individual light fitting
- with breather for pressure compensation
- metal gland
- with 4 cable entries max.
- for 5-pole in/out-wiring
- through-wiring 6 x 6mm² max.
- aluminium mirror-type reflectors – narrow-beam version (SP 84...)
- without switch (OS)

Note:

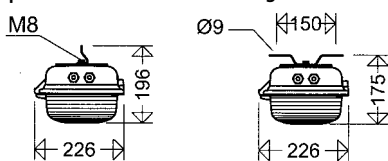
This light fitting is not suitable for application in areas with permanent high humidity in combination with only short periods of operation, such as sewage or stormwater retention tanks or water treatment plants.



Pipe clamp mounting

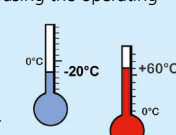


Suspension brackets H8V Ceiling brackets 15A



SCHUCH Quality - your advantage:

- sturdy design of high chemical resistance for application in rough industrial conditions:
 - housing from glass fibre reinforced polyester
 - polycarbonate diffuser of high impact strength (equal wall thickness: 2,5mm)
 - highly resistant foamed silicone gasket of dimensional stability that stands for a permanently safe tightness against water and dust
- reliable, fail-safe and long-life thanks to a special ex-protected ECG with high grade quality features:
 - „end-of-life switching-off system“ i.e. at the end of its life a fluorescent tube is safely switched off
 - in compliance with the requirements of **overvoltage category III**
 - thanks to a special quartz sand encapsulation of the ballast inside an aluminium housing the operating temperatures are extremely favourable and consequently a long life time of the control gear (about 100.000 hours)
- wide range of admissible ambient temperature from -20°C to +50/60°C (see article table)
- excellent light distribution and glare limitation thanks to a light technically optimized prismatic diffuser
- excellent design allowing an easy and fast mounting/maintenance of the luminaire
 - central locking system with hinged diffuser allowing an easy/fast lamp replacement
 - easily accessible connection chamber behind the hinged reflector



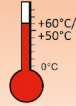
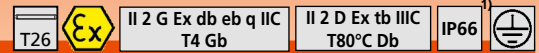
Looping the cable on one side:

All light fittings of series e840... have got 2 cable entries on one small side of the housing for cable looping instead of the through wiring system.



Article no.	Type	Temp.-class	Ambient temperature max. [°C]	Lamps/W	Energy efficiency class	Weight [kg] without packing material
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e840...



EC-Type Examination Certificate:

PTB 07 ATEX 2040
PTB 09 ATEX 2031, 2039

Marking:

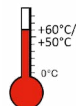
II 2 G Ex db eb q IIC T4 Gb (Zone 1)
II 2 D Ex tb III C T80°C Db (Zone 21)

Ignition protection: e (increased safety)

84000 0001	e840118	T4	60	1 x T26/18	A	5,3
84000 0002	e840218	T4	60	2 x T26/18	A	5,4
84000 0003	e840136	T4	60	1 x T26/36	A	7,5
84000 0004	e840236	T4	55	2 x T26/36	A	7,6
84000 0005	e840158	T4	60	1 x T26/58	A	9,2
84000 0006	e840258	T4	50	2 x T26/58	A	9,2

1) A climatic breather may reduce the IP rating (depending on the orientation of the breather)

e840... ZB



Application:

Emergency light fittings powered by central- or group battery systems.

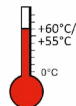
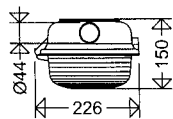
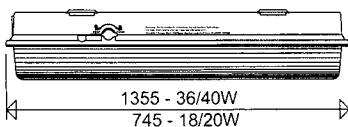
Design:

Same as type e840 but with DC-detection and change-over to 1-lamp operation (emergency mode).

84000 0303	e840218 ZB	T4	60	2 x T26/18	A	5,4
84000 0304	e840236 ZB	T4	55	2 x T26/36	A	7,6
84000 0305	e840258 ZB	T4	50	2 x T26/58	A	9,2

1) A climatic breather may reduce the IP rating (depending on the orientation of the breather)

e840... PM



EC-Type Examination Certificate:

PTB 07 ATEX 2040
PTB 09 ATEX 2031, 2039

Ignition protection: e (increased safety)

Marking:

II 2 G Ex db eb q IIC T4 Gb (Zone 1)
II 2 D Ex tb III C T80°C Db (Zone 21)

Mounting: To pole tops:

18W: Ø 42 x 150mm (length)
36W: Ø 42 x 245mm (length)

84000 0101	e840118 PM	T4	60	1 x T26/18	A	7,6
84000 0102	e840218 PM	T4	60	2 x T26/18	A	7,7
84000 0103	e840136 PM	T4	60	1 x T26/36	A	8,7
84000 0104	e840236 PM	T4	55	2 x T26/36	A	8,8

1) A climatic breather may reduce the IP rating (depending on the orientation of the breather)



Foto: BAYER

Mounting material

Suspension brackets H8V P



Ceiling brackets 15A P



Distance compensation 84 AA



Pipe clamps RO84...A P



Wall bracket W26/45 P



Further accessories such as carrier rail systems please see installation material in this catalogue.

Accessories / Spare Parts

Article No.	Type	
Spare diffuser until 10/2013		
84001 9000	8402	for 18W
84001 9001	8404	for 36W
84001 9002	8406	for 58W
Spare diffuser from 11/2013		
84001 9006	8402 SIL	18W version until 2018, please see type plate of light fitting: article no. without "G" at the end
84001 9007	8402 SIL G	18W version from 2018, please see type plate of light fitting: article no. with "G" at the end
84001 9004	8404 SIL	for 36W
84001 9005	8406 SIL	for 58W
Cable glands/ breather		
90117 9000	2537	ex-protected plastic cable gland M25 x 1,5 with nut
90118 9000	2538	ex-protected plastic plug M25 x 1,5 with nut
90259 9000	Klimastutzen EX	breather M25 x 1,5
Spare lamp holder		
90189 9014	e8901 FH/1	1 pair of lamp holders incl. lamp holder supports (1-lamp version)
90189 9015	e8901 FH/2	2 pairs of lamp holders incl. lamp holder supports (2-lamp version)
Mounting material		
90001 0002	H8V P	2 suspension brackets, stainless steel
90000 0002	15A P	2 ceiling brackets, hot galvanized steel
90032 0002	15AV P	2 ceiling brackets, stainless steel
90000 0011	84 AA	1 pair of brackets, stainless steel, for compensating the different mounting distances of types e840 / e152 or e841 / e148
90037 0004	RO84 112 A P	2 pipe clamps 1 1/2", stainless steel, with support
90038 0004	RO84 2 A P	2 pipe clamps 2", stainless steel, with support
26000 0008	W 26/L P	2 wall mounting brackets
26000 0002	W 26/30 P	2 wall mounting brackets 30°
26000 0003	W 26/45 P	2 wall mounting brackets 45°

