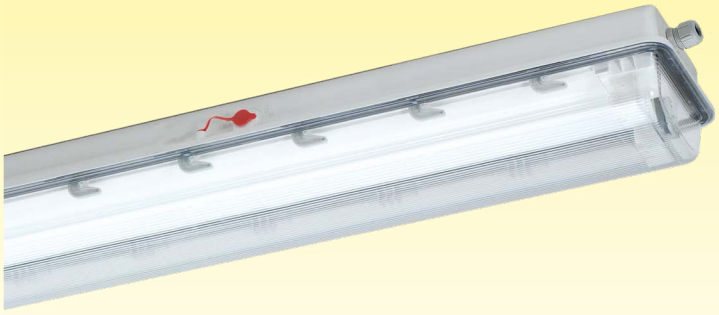
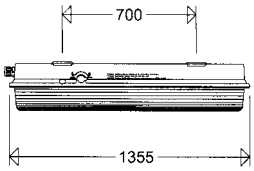


Extremely robust Dustproof/Waterproof LED-Light Fitting with Central Locking System Series 144 ...

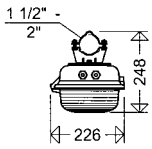
Applications:
In humid, wet and dusty indoor areas and roofed outdoor areas with high mechanical strains as well as areas where any external clips are not wanted or where such clips could create problems. Hard to reach areas and areas with high downtime and maintenance cost when replacing the lamps, Food industry and food processing industry etc.
(For damp and cold ambient conditions with low duty cycles and in the case of aggressive atmosphere, please contact us)

Design:
Housing:Glass fibre reinforced polyester resin.
Diffuser: Polycarbonate, clear with internal prisms, hinged.
Gasket: Silicone.
Reflector: Aluminium painted, hinged and removable. Elements for glare limitation mounted to the reflector.
Central locking system: Operated by a hexagonal socket key 13 mm.
Connection: 5-pole terminal
Cable entries: 3 entries
M25 x 1.5 (2 glands and 2 screw plugs).
Looping the mains cable at one end of the housing up to 5 x 2.5 mm² possible.
Mechanical installation:
Mounting accessories see spare parts/ accessories.

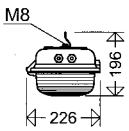
Technical data:
LED: Linear modules 4,000 K, CRI > 80, service life L_{90} > 50,000 h and L_{80} > 100,000 h at max. ambient temperature
ECG: 220-240 V, 50/60 Hz, overload and short-circuit protection
Ambient temperature: -20 °C up to ..°C see article table



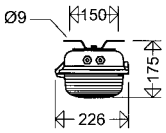
Pipe clamp mounting

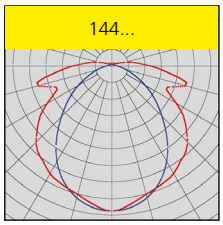


Suspension eyes H8V



Ceiling brackets 15A





Options:
– 2,200 K, 2,700 K, 3,000 K, 5,000 K, 6,500 K; light colours (**822, 827, 830, 850, 865**)
– 1,800 K; light colour (**518**), amber for insect-conscious lighting in outdoor areas etc.
– high colour rendering index Ra > 90
– through-wiring (**DV**), 5 x 2.5 mm²
– for wide temperature ranges (**T40 H..**)
– increased resistance (**ER**), against corrosive atmospheres
– for connection to a central power supply system (**ZB**)
– mast base for pole attachment mounting

Options Luminous flux adjustment / Lighting control / Lighting management:
– dimming function via DALI-2 interface, compatible with LIMAS Line wired Light Management System (**DIMD**)
– Corridor Mode (**DIMC**)

Product highlights:
- **extremely sturdy design of high mechanical and chemical resistance for a long term use in rough industrial areas:**
  - housing with very high impact resistance
  - polycarbonate diffuser of high-impact resistant
  - robust internal central locking system
  - highly resistant silicone gasket of dimensional stability for permanently safe tightness (IP66)
- **front-side in/out wiring** (5-pole) possible as standard due to 2 entries on one side
- **homogeneous illumination by using elements for glare limitation**, no particular light points visible, comfortable perception of light, brilliant glare limitation
- **best suitable in the food industry and in the food processing industry especially in risky areas falling under the IFS standards (International Featured Standard Food)**
- **with adapter gland with pressure compensation prevents condensation water allowing an application in all unprotected outdoor areas (Versions AUS)**
- **easy to install and maintain:**
  - time saving easy mechanical installation by means of eye bolts or ceiling brackets without opening the light fitting
  - time saving central locking system and hinged diffuser
- control gear and LED-module replaceable by qualified personnel on-site
- **future proof** by using standardised LED-modules (Zhaga) and long-term availability of spare parts



Looping the cable on one side:
All light fittings of series 144... have got 2 cable entries on one small side of the housing for cable looping instead of the through wiring system. This allowing a more economical cable looping at one end instead of the classical through wiring system.

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

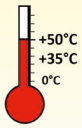
All data are correct at the time of printing. Actual technical data can be found under www.schuch.de.

Article No.	Type	Connected load [W]	Luminous flux [lm]	Luminous efficacy [lm/W]	Amb. temp. max. [°C]	Substitute for ca. *	(without packing material)

144 ..

IP66

14402 0001	**144 12L22**	14	2.300	164	50	1 x 36W	6,6
14402 0002	**144 12L34**	22	3.410	155	45	1 x 58W	6,6
14402 0003	**144 12L42**	29	4.280	148	40	2 x 36W	6,6
14402 0004	**144 12L60**	44	6.590	150	40	2 x 58W	6,6



Note:

This light fitting is not suitable for rare or occasional operation (e.g. maintenance and inspection lighting).

We recommend our series for use **107 ... G2 (PRIMO XR)**.

144 .. AUS

IP66

for application in unprotected outdoor areas

Applications:
Unprotected outdoor areas, especially in exposed areas with high mechanical stress (wind), catwalks, stairs, steel constructions, pipe brackets, on buildings, storage tank etc.

Design:
As standard type but with adapter gland with pressure compensation prevents condensation water.

Mounting:
Ceiling and horizontal wall mount or mounting to outreaches, poles, steel structures, catwalks, etc. by means of pipe clamps. When mounting the light fittings on bracket poles or tubular beams/pipes always use original SCHUCH pipe clamps with support.

14402 0011	**144 12L22 AUS**	14	2.300	164	50	1 x 36W	6,6
14402 0012	**144 12L34 AUS**	22	3.410	155	45	1 x 58W	6,6
14402 0013	**144 12L42 AUS**	29	4.280	148	40	2 x 36W	6,6
14402 0014	**144 12L60 AUS**	44	6.590	150	40	2 x 58W	6,6

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



Mounting material

Suspension eyes with bolts H8V P



Ceiling brackets 15A P



Pipe clamps RO84...A P



Wall bracket W26/45 P



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

Accessories / Spare Parts

Article no.	Type	
Spare diffusers for series 144...		
84001 9004	**ABD 8404 SIL**	cover, diffuser PC clear Silicone, for e840 12 ..., nD844, 144 each from year of manufacture 2013/11
Cable glands/pressure compensation elements		
25600 9000	**2560**	ex-proof plastic cable gland M25 x 1,5
90118 9000	**2538**	ex-proof plastic plug M25 x 1,5
90259 9003	**DAE20/25**	adapter gland M20 -> M25 with pressure compensation
Mounting material		
90001 0002	**H8V P**	2 suspension eyes with bolts, 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 1/2", stainless steel, with support
90038 0004	**RO84 2 A P**	2 pipe clamps 2", stainless steel, with support
26000 0008	**WW 26 L P**	2 wall mounting angles, sendzimized
26000 0002	**WW 26 30 P**	2 wall mounting angles 30°, sendzimized
26000 0003	**WW 26 45 P**	2 wall mounting angles 45°, sendzimized