SolidLux

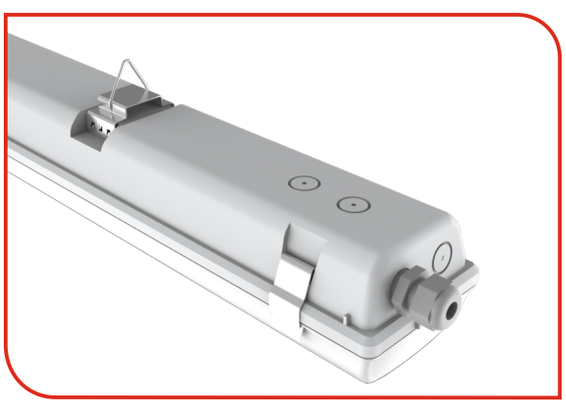
SolidLux-75

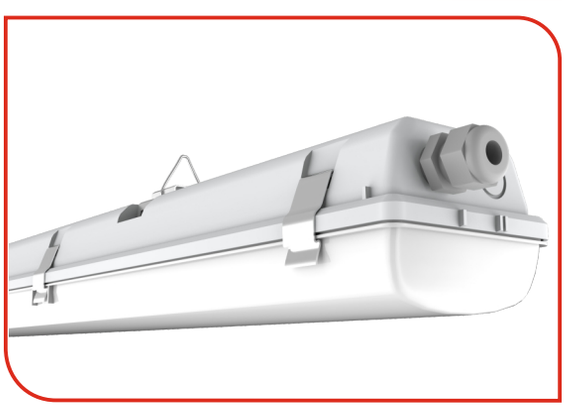
SolidLux-60

SolidLux-30

Explosion-proof LED luminaire designed for general lighting in premises across oil, oil refining, gas, chemical, cement, woodworking, food, and other industries. Compliant with explosion protection marking for hazardous areas of Class 2 and fire-hazardous areas of Classes P-I and P-II. Suitable for use in Zone 22.

The luminaire is intended for direct mounting on building structures, such as walls, ceilings, foundations, floors, columns, or trusses.





Housing: Fire-resistant polycarbonate.
Diffuser: Fireproof matte, light-stabilized polycarbonate.
Side Locks: Spring-loaded stainless steel.
Cable Entries: Configurations available with 1 or 2 cable glands.
Light Source: Osram LEDs (Germany).
Power Supply: Integrated HADLER power supply (Germany).
Package Contents: Luminaire with integrated LED light source.

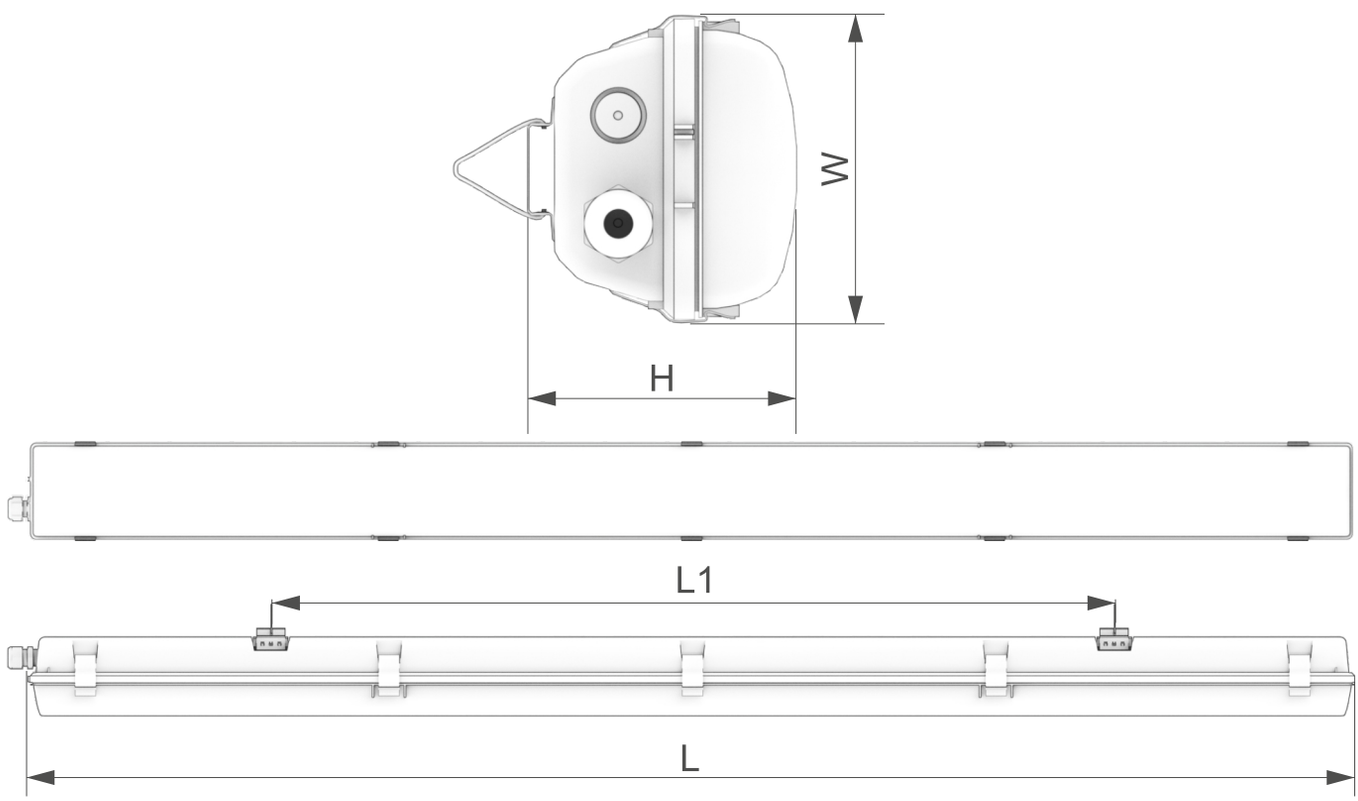
Features:

- Operating Voltage Range: 198–264 V AC, 176–275 V DC.
- Resistance to Housing Impact: IK10 (20 J).
- Impact Resistance of the Light-Transmitting Element: IK10 (20 J).
- Light-Transmitting Element Features: Designed with advanced optical characteristics, UV-resistant, and offering an extremely high transmittance of over 90%, ideal for luminaires equipped with LED modules.
- Emergency Power Supply (EPU): 60 W and 75 W versions can be equipped with an emergency power supply unit with a rechargeable battery for operation in emergency mode for at least 3 hours.
- DALI Functionality: Compatible with an electronic power supply featuring DALI (Digital Addressable Lighting Interface) for automatic or semi-automatic brightness adjustment and control of individual luminaires or groups of luminaires.
- Cable Glands: EJ and BJ models are certified according to the requirements of the ATEX Directive.
- Light Source: Energy-saving LEDs with a lifespan exceeding 50,000 hours, classified as energy efficiency class A++, providing stable luminous flux with instant ignition and re-ignition.
- Performance: Resistant to voltage surges and frequent switching cycles.
- Environmental Safety: Eco-friendly design that does not require special disposal.
- Components Quality: Electronic components and LEDs are sourced exclusively from world-leading manufacturers.
- Protection Level: High degree of dust and moisture protection, fireproof, and weatherproof.

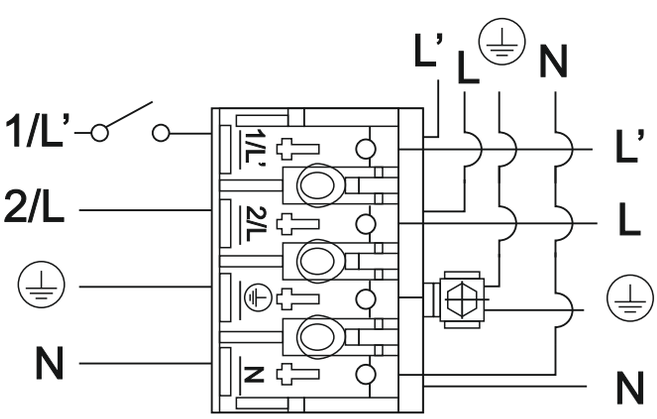
Model	SolidLux-2xXXX-ABC		
Operating Voltage (V)	220-240		
Power Factor (PFC)	> 0,95		
Operating Temperature (°C)	from -40 to +50, for emergency from 0 to +50		
Correlated Color Temperature (CCT, K)	4000		
Ingress Protection (IP)	IP65		
Impact Resistance (IK)	IR10/20 J		
Mechanical Stability	M1		
Rated Power (W)	30	60	75
Luminous Flux (lm)	4200	8400	10500
Luminous Efficacy (lm/W)	140		
Beam Angles (°)	120		
Light source	OSRAM LEDs (Germany)		
Power supply	HADLER (Germany)		
Fire Hazard Zone Class	P-I, P-II		
Electrical Protection Class	I		
Explosion Protection Marking	II 3G Ex ec IIC T6...T5 Gc II 3D Ex tc IIIC T80°C...T90°C Dc		
Battery type	Ni-MH		
Capacity, mA/h	7500		
Weight (kg)	1,7	3,0	3,7
Dimensions (LxWxH, mm)	600x116x100	1200x116x100	1500x116x100
Mounting Length (L1, mm)	360	700	1000

Ordering Example **SolidLux-2xXXX-ABC:** Model Code Breakdown			
XXX - Device Dimensions - 600 mm - 1200 mm - 1500 mm	**A - Bream angle:** 1 - 120°	**B - Connection:** 1 - Individual 2 - transit	**C - Options:** 0 - Built-in driver 1 - Driver with DALI function 2 - Driver and emergency unit with battery 3 - Driver with DALI function and emergency unit with battery

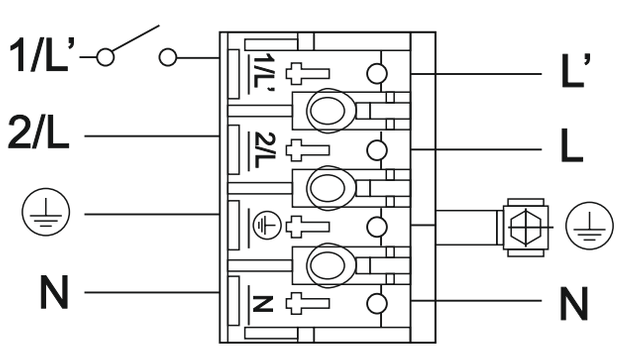
Lamp Sketch



SolidLux-2xXXX-ABC



transit connection to the power grid for emergency lighting



individual connection to the power grid for emergency lighting