



VT 800 PL LED nuclear lighting - in-air and underwater

Radiation resistant lighting system for perfect illumination of big ponds

Applications and technical data

VT 800 PL LED is a powerful mobile lighting unit for illumination of all underwater and in-air applications where optimal visibility is needed.

It can be equipped with non-browning glass for high-radiation environments. Due to its internal temperature control features it can also be used in air with automatically controlled illumination intensity. It is perfectly suited for all long-time illuminations tasks in reactor vessels or fuel ponds. No waiting time when switching off and on again compared to sodium vapour lamps due to LED technology. The FME approved design guarantees no loose parts in the pool water.

Features

- High illumination with 8 x 85 W LED with an output of 110.000 lm incl. overheating protection
- LED light optionally dimmable, different reflectors available
- Stainless steel body with optionally attached cooling plate
- High radiation resistant with optional non-browning glass
- Various frames and holders available, based on customer needs

Technical data

Dimensions / weight	429 x 201 x 75 mm (WxHxD) without holder / 9,5 kg
LED lifetime	approx. 50000 h depending on environment
LED type	8 x 85 watts high power LEDs (5700°K) with various reflectors (36°,48°)
Power	110 V / 220 V (internal voltage 48V)
Housing	stainless steel
Watertight	up to 5 bar
Radiation tolerance	>5x10 ⁴ Gy / 5x10 ⁶ rad (cumulative dose / total dose)