

eLight 1

High power reflector unit with shutters for uv medium pressure lamps

The eLight 1 reflector unit from uv-technik meyer gmbh is specifically designed for industrial UV curing applications. The reflector unit eLight 1 is cooled by air only. The max. lamp power is 240 W/cm.

Thanks to the newly developed reflector geometry a considerable increase in performance and UV efficiency is given.

Typical applications are in the areas of:

- Continuous printing
- Flexo and screen printing
- Letterpress

Features of the reflector unit eLight 1:

- closed system with quartz glass protection window
- reflector profile with optimized radiation geometry
- integrated temperature sensor (PT 100)
- monitoring of the reflector unit using temperature switch
- built in pneumatic shutter actuator (DC 24 V) with monitored shutter position
- compact dimensions
- for each arc lengths in between approx. 100 and 250 mm available (other lengths on request)



Technical data

eLight 1			
Art. No.	5330-364	5330-299	
Max. lamp power	240 W/cm		
Outer lamp diameter	19,5 mm		
Arc lengths	125 mm	250 mm	
Dimensions	width: 120 mm height: 146 mm (with plug: 182 mm) length: 328 mm	width: 120 mm height: 146 mm (with plug: 182 mm) length: 458 mm	
Weight	approx. 3,0 kg	approx. 5,2 kg	
UV window	Quartz glass plate 120 x 60 mm	Quartz glass plate 250 x 60 mm	
Focus distance	20 mm from the edge		
Cooling	forced-draught exhaust cooling		
Exhaust air connection	Ø 100 mm		
Electrical connection	Harting plug to supply to lamp and for following control signals: Control: • Solenoid valve (DC 24 V) Output signals: • Shutter open/close, • Temperature sensor (PT 100), • Thermo switch (AC 250V, 6A; DC 30V, 5A)		
Shutter actuator	pneumatic, 6...8 bar compressed-air according to ISO 8573-1:2010, PUN-4x0,75		
Max. Shutterfrequency	≤ 1 Hz		
Ambient temperature	5 - 35 °C		

Drawings:

