AIR COOLED LED RADIANT SOURCE

The LED- system OLM-034C expands the OSA opto light product portfolio in the UV-C and UV-B region. As a supplier of customized solutions, OSA opto light can cover the whole wavelength range in visible and NIR range with the same system.

Core of the OLM-034C Air system is an air cooled high efficient LED radiation source, including power supply and LED controller. This turnkey system is the best possible solution for various applications in research, development and industrial applications, for example:

- Phototherapy and other medical applications
- Hardening of colors (print)
- Hardening of adhesives
- Exposition of photo resists
- Florescence excitation
- Photo and bio-chemistry

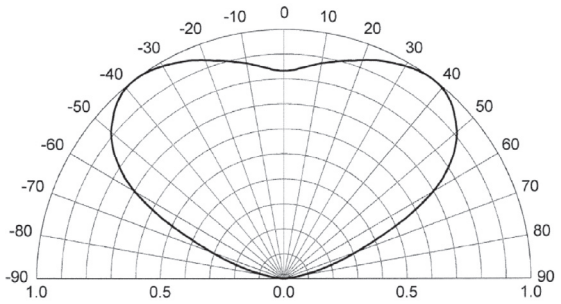
The system is designed for a fast implementing and usage in laboratory applications as well as for an easy integration in complex machines with programmable controller units.

THE SYSTEM CONTAINS THE FOLLOWING PARTS

- LED module OLM-034C
- LED Controller OEM-006 SY
- Cable LED module / controller
- 48 V DC power supply
- Type: MeanWell GS120-A48-R7B / MeanWell GSM120-A48-R7B
- 230 V power cable (VDE)

LED MODULE OLM-034C

- Heat sink (aluminium)
- 48 V- fan
- Size 100 x 90 x 80 mm
- Light emitting area 11,5 x 23,5mm
- LED number max. 36 (6 x 6)
- LED- number between 9 and 36 upon request
- Weight 400 g
- Front side quartz glass



ELECTRICAL SPECIFICATION

TYPE	PEAK WAVELENGTH [NM] [3]	TYPICAL POWER DENSITY [MW/CM²] [1]	MAX LED CURRENT DC [A]	FORWARD VOLTAGE [V] [2]
OLM-034C-XX-265	260 – 270	21	2.1	42
OLM-034C-XX-285	280 – 290	53	2.1	34
OLM-034C-XX-300	295 – 305	53	2.1	34

[1] Measured @ 350 mA/chip, 25°C ambient temperature and in contact to emitting window, Power density decreases with increasing temperature
[2] Typical value @ 350 mA, 25 °C chip temperature [3] Measured @ 350 mA, 25 °C chip temperature

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