

SCHOTT® Spectra LED 1200

For museum and retail showcases



This compact LED light source for fiber optic illumination is the ideal solution for museum showcase lighting, offering a high color rendering index, light intensity adapted to museum environments, low power consumption, and very low fan noise. The SCHOTT® Spectra LED 1200 also delivers low cost of ownership and easy maintenance, with no bulb replacement required.

Features:

- Power consumption under 50 W.
- Step-free dimming from 10-100 %.
- Ideal for retrofitting with existing LED systems, as it's compatible with the 30 mm standard light source insert, allowing for easy plug-and-play installation.

Advantages:

- Choice of three color temperatures: 2700 K, 3000 K and 4200 K.
- Low cost of ownership with no re-lamping required.
- Easy servicing of the light source while the visible showcase area can remain locked up.

Technical Specifications

Part No.	1445088	1445097	1445098	1647455	1445100
Dimming	Turn switch	Turn switch	Remote 0-10V signal	Turn switch	Turn switch
Color Temperature	4200 K (± 100 K)	3000 K (± 100 K)		2700 K (±100 K)	
Luminous Flux ¹	620 lm	500 lm		500 lm	
Color Rendering Index	93 (±3)				
Input Voltage	24 V DC				
Input Current	2,1 A (Max)				
Power Consumption	50 W				
Service life of LED array (typical)	50,000 h ("L 70" to 70 % of original light output)				
Operating Temperature	0 °C to 40°C				
Storage Temperature	-10 °C to 70 °C				
Dimensions (W x D x H)	150 mm x 65 mm x 75.6 mm				
Cooling	Heat pipes with 12 dB (A) low speed axial fan				
IP Rating	IP 20				
Thermal Trip protection	Auto reset				
Environment	Interior, dry locations only				
Certification	CE, EAC (for 1647455 only, others on request) ROHS conform, WEEE-Reg.-No. DE 14542729				

¹ Luminous Flux is measured at the end of a 2 m SCHOTT SpectraFlex® Glass Fiber Harness with 23 mm active diameter.

Power Supply

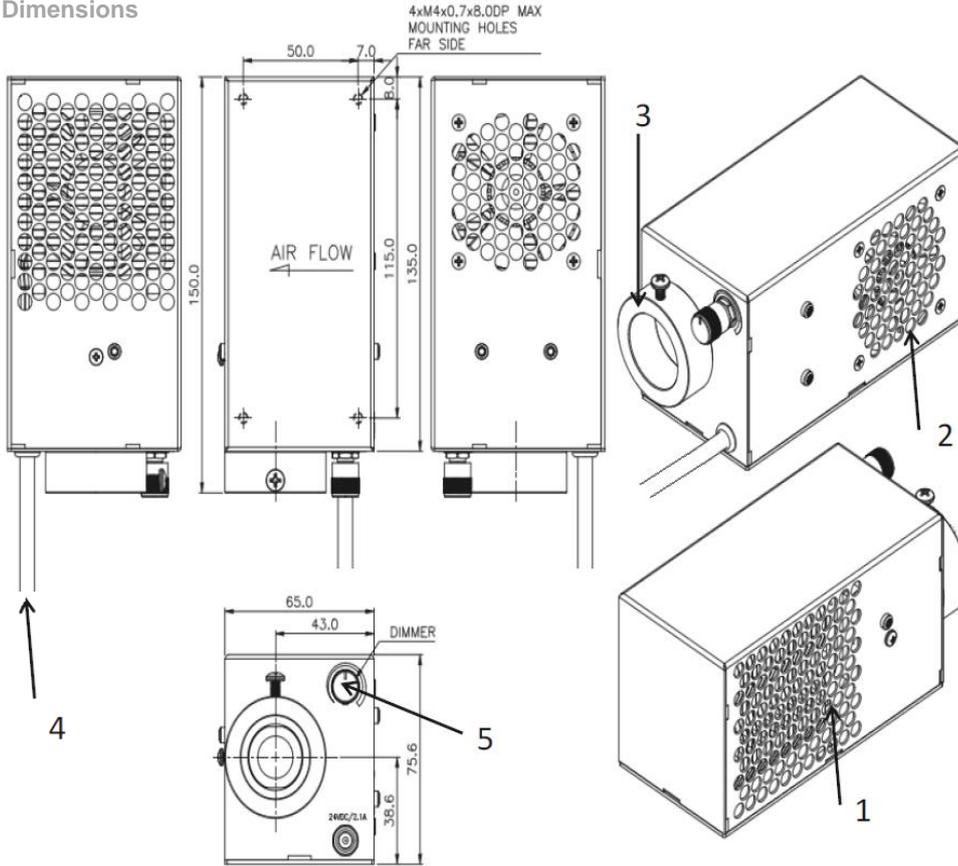
Part No.	1618388
Supply Voltage	100 V AC to 240 V AC
Supply Frequency	50 to 60 Hz
Output Voltage	24 V DC
Output Current	2,1 A (Max)



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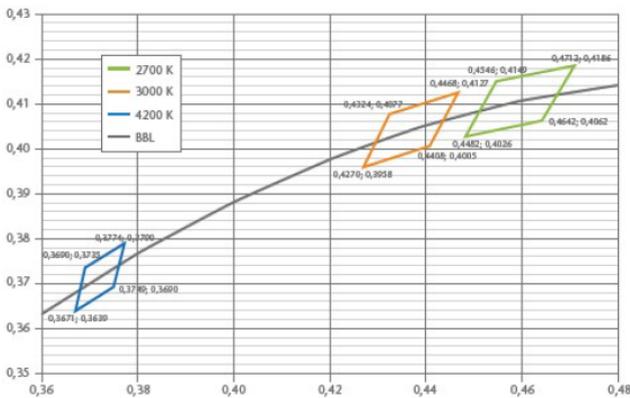
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Dimensions

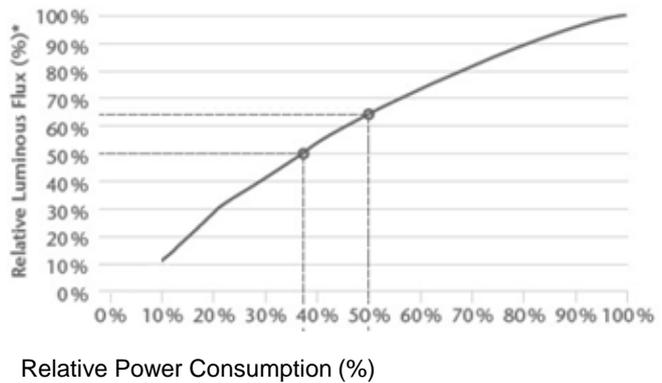


1. Exhaust air vent (Min 50mm (2") from non-ventilated surface).
2. Intake air vent (Min 50mm (2") from non-ventilated surface).
3. Common end boss.
4. DC power cable.
5. Dimmer control knob.

Defined CIE Chromaticity Diagram boundaries for 2700 K, 3000 K and 4200 K versions



Dimming and Power Consumption



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Lighting & Imaging
SCHOTT AG
 Hattenbergstrasse 10
 55122 Mainz
 Germany
 Phone: +49 (0)6131/66-7760
 Fax: +49 (0)6131/66-7850
lightingimaging@schott.com
www.schott.com/lightingimaging

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