

SCHOTT
glass made of ideas

SCHOTT Spectra[®]
LED Light Source

Efficient innovation
Easy implementation
Perfect illumination

Distribution in the UK & Ireland



**Characterisation,
Measurement &
Analysis**

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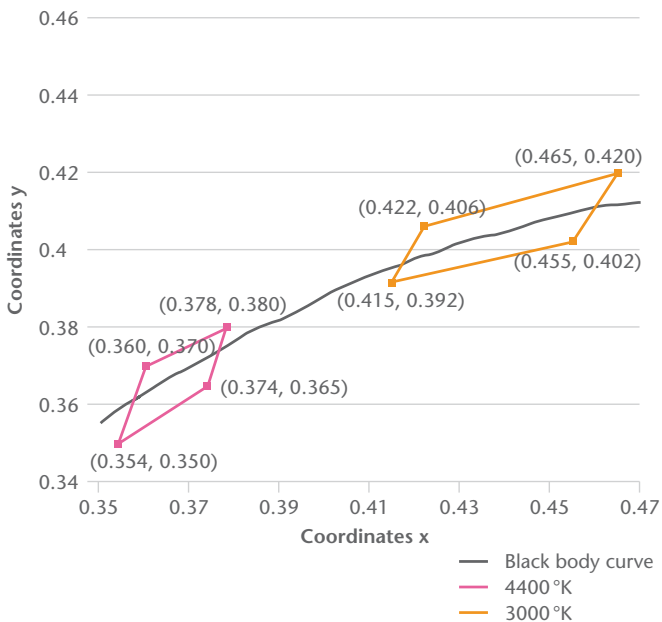
SCHOTT Spectra® LED Light Source 100W



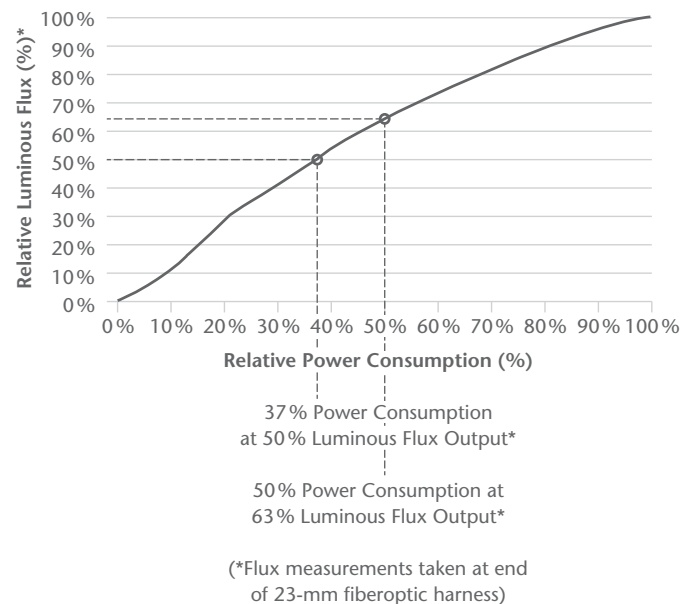
High color rendering, high light intensity LED Light Source

- High CRI of > 90 – renders colors accurately
- Long lifetime, 50,000 hours to 30% lumen depreciation at full output
- Low power consumption < 100 W
- Energy saving compared to conventional light sources
- Low cost of ownership – life cycle product with no re-lamping required
- Ultra low UV
- Low profile compact design – easier integration into slim showcases
- Cool running – very low fan noise (19 dB)
- Dimmable 0–100%
- Optimum color temperatures – 3000°K or 4400°K for museum and retail display illumination
- Perfect retrofit product – compatible with any 30 mm common end
- Warranty 2 years

Defined CRI boundaries for 3000°K and 4400°K versions



Dimming and Power Consumption



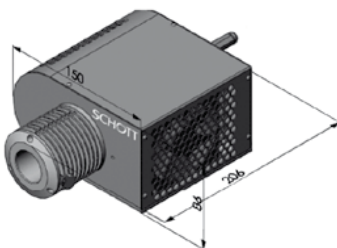
Technical Specification

SCHOTT Spectra® LED Light Source 100W		
Color Temperature	4400 °K (± 300 °K)	3000 °K (± 300 °K)
Color Rendering Index	93 (± 3)	90 (± 3)
Input Voltage of Light Source	24 V DC	24 V DC
Input Current of Light Source	4 A	4 A
Power Consumption	96 W	96 W
Harness Connector	S30 mm Harness	S30 mm Harness
Light Output* (without diffuser)	1750 lm	1475 lm
Light Output* (with diffuser**)	1320 lm	1000 lm
Service Life of LED Array (Typical)	50,000 h ("L 70" to 70% of original light output)	50,000 h ("L 70" to 70% of original light output)
Operating Temperature	0 °C to 40 °C	0 °C to 40 °C
Storage Temperature	-10 °C to 70 °C	-10 °C to 70 °C
Dimensions Width/Depth/Height	206 mm × 150 mm × 86 mm	206 mm × 150 mm × 86 mm
Cooling	Heat pipes with 19 dB (A) low speed axial fan	Heat pipes with 19 dB (A) low speed axial fan
IP Rating	IP 20	IP 20
Thermal Trip Protection	Auto reset	Auto reset
Environment	Interior, dry or damp locations only	Interior, dry or damp locations only
Certification	CE, UL E 337577 ROHS conform WEEE-Reg.-No. DE 14542729, GOST	CE, UL E 337577 ROHS conform WEEE-Reg.-No. DE 14542729, GOST
Power supply		
Supply Voltage	90 V AC to 264 V AC	
Supply Frequency	47 to 63 Hz	
Output Voltage	24 V DC	
Output Current	4 A	

* Light output is measured at the end of a 2-meter SCHOTT SpectraFlex® Glass Fiber Harness with 23-mm active diameter.

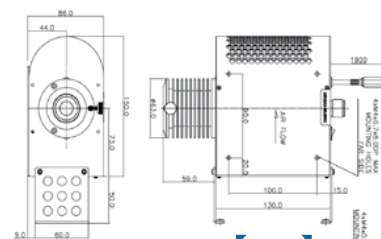
** The diffuser enables even light output of each harness tail without having to randomize the fibers.

Base mounting (Standard)



Width of 206 mm includes common end boss and dimming control knob

Side mounting (with optional brackets)



Side mounting brackets

How to order – SCHOTT Spectra® LED Light Source 100W

- 1 Select your light source version (color temperature, dimmer, diffuser)
- 2 Select the correct power supply for your region
- 3 Select the mains lead needed for your region

Light Source			Art. Nr.
SCHOTT Spectra® LED Light Source 4400K	ND, RC	no dimmer, clear reflector	1246767
SCHOTT Spectra® LED Light Source 4400K	YD, RC	with integrated dimmer (0–100%)	1257204
SCHOTT Spectra® LED Light Source 4400K	YD, RD	with integrated dimmer (0–100%) and with integrated diffuser**	1257278
SCHOTT Spectra® LED Light Source 3000K	ND, RC	no dimmer, clear reflector	1263032
SCHOTT Spectra® LED Light Source 3000K	YD, RC	with integrated dimmer (0–100%)	1257283
SCHOTT Spectra® LED Light Source 3000K	YD, RD	with integrated dimmer (0–100%) and with integrated diffuser**	1257285

**The diffuser enables even light output of each harness tail without having to randomize the fibers.

Accessories			Art. Nr.
Power supply for LED Light Source	CE certified, UL certified	24 V, 5 A, 120 W	1264671
Power supply for LED Light Source	UL certified	24 V, 4 A, 100 W	1258493
SCHOTT Spectra® LED Light Source Installation brackets for side mounting (optional, set of 2)			1264672
Mains lead EU	with 2 m (6 ft) cable IEC-type	with molded Schuko plug	6005444
Mains lead UK	with 2 m (6 ft) cable IEC-type	with molded UK plug	6005445
Mains lead USA	with 2 m (6 ft) cable IEC-type	with molded US plug	6005446
Mains lead Japan	with 2 m (6 ft) cable IEC-type	with Japan plug	6061690

Please note: Our product warranty only applies to light sources with the power supplies above as specified and supplied by SCHOTT.

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All SCHOTT Lighting products can easily be ordered around the clock via Schott's online order and service portal: E-commerce, or contact us:

In a continuing effort to offer the best product possible, SCHOTT reserves the right to change, without notice, specifications on materials that – in SCHOTT's opinion will not alter the function of the product.