



A20800



DCR® III Light Source with EKE lamp, A20800

DCR® III Light Source Models	
Part No.	Description
<b>Standard Light Sources with US Power Cord Included</b>	
A20800	with EKE Lamp
A20800.1	with EJA Lamp
A20800.2	with DDL Lamp
<b>Light Sources with Iris Diaphragm and US Power Cord Included</b>	
A20810	with EKE Lamp
A20810.1	with EJA Lamp
A20810.2	with DDL Lamp
<b>Light Source without Modulamp® Unit and US Power Cord Included</b>	
A20801	No Lamp – Power Supply Only
<b>Standard Light Sources EU Version - No Power Cord Included</b>	
A20820	with EKE Lamp
A20820.2	with DDL Lamp
<b>Light Sources with Iris Diaphragm EU Version - No Power Cord Included</b>	
A20830.2	with DDL Lamp

EKE, DDL, and EJA lamps and Modulamp® units can be purchased separately.

### Options

- Rear baffle.
- Dimmer lock.
- Mechanical shutter.
- Wired, manual remote control and RS232 connection.
- Infinite setting, thirteen blade iris diaphragm version available to reduce intensity while maintaining color temperature.

## DCR® III Light Source

DC regulated light source provides intense, cool illumination.

### Standard Features

- DC-regulated light source limits light fluctuation to  $\pm 0.5\%$  due to line voltage variation.
- Universal input voltage – accepts 90 to 265 VAC.
- Current limiting – protects the unit from over heating due to defective and aging bulbs.
- Transient protection – allows remote location of bulb.
- Lamp change indicator light – LED located on front panel changes from green to red when lamp should be replaced. This is due to either an open or partially shorted filament.
- Soft start “lamp saver” circuitry.
- IR interference filter for cool illumination.
- Solid state dimmer control for continuous dimming.
- Interchangeable Modulamp® Units offer 2 lamp positions to maximize individual lamp efficiencies.
- Choice of three, 150 watt halogen lamps - EJA, EKE and DDL for intense, uniform illumination.
- Can power the RS232 from the 9-pin connector.
- Built-in 9-pin connector for analog remote control or RS-232 connection.
- Detachable IEC cord.
- Quiet rear exhaust.
- CSA approved to UL spec, CE compliant.
- Stackable, with retractable handle.
- Low housing temp – slightly above ambient.
- 2-year warranty (excludes lamp and socket).
- Manufactured in the USA.

### Power Supply Specifications

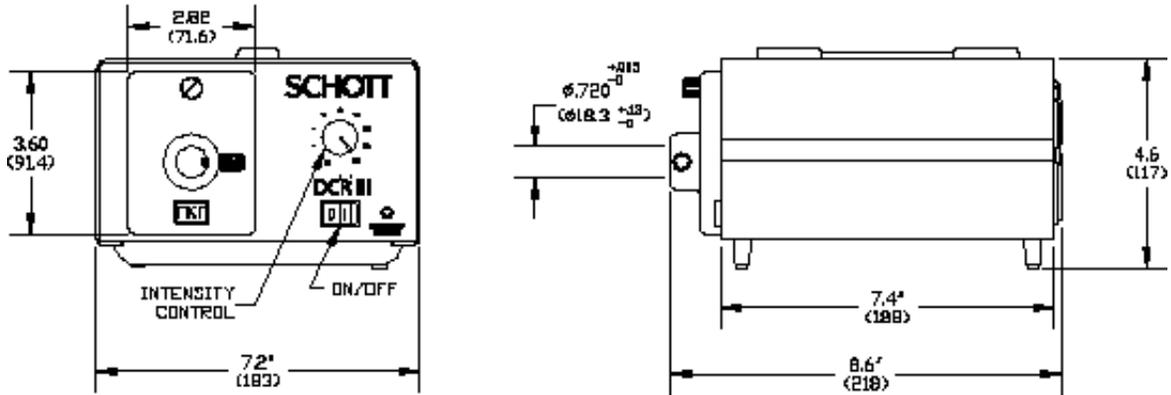
Rated Power Output	200 Watts
Output Voltage	0.0, 0.5 to 20.5 VDC
Input Voltage Rating, 50/60 Hz.	90 to 265 VAC
Power Factor Correction @ 230 VAC, 50 Hz.	> 0.99, < 4°
Hold-up Time, Nominal AC Input, Full Load	8.3 milliseconds
Line Regulation, Over Entire Input Range	$\pm 0.5\%$
Current Limit Set Point	8.5 Amps
Temperature Range: Operating	0° to 45°C
Storage	-25° to 85°C
Relative Humidity, Non-condensing	5% to 95%
Vibration Tests: 3 Orthogonal Axes, 0.75g peak, 5 to 500Hz at 1 oct/min. 2 hrs. each axis, 1.5g for 5 min. dwell at 3 major component resonances.	

# SCHOTT

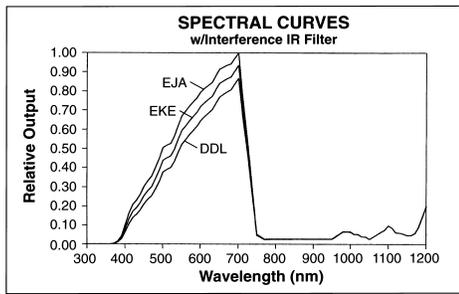
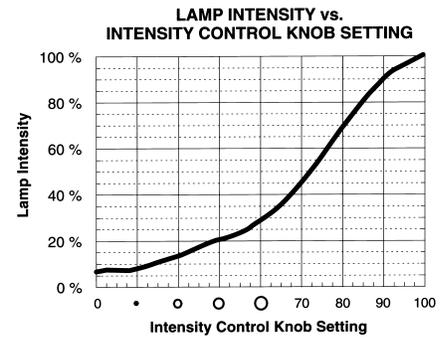
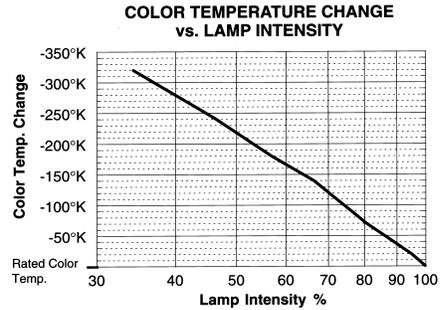
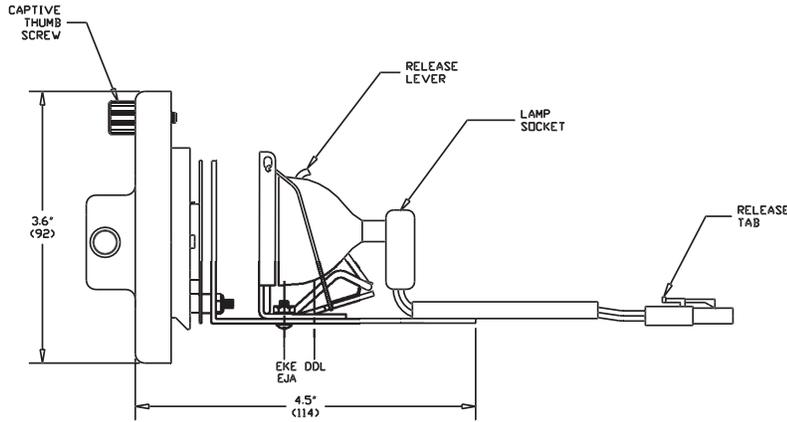
# DCR® III Plus Light Source

Dimensions in ( ) are in mm

TECHNICAL SPECIFICATIONS



Input: 115/230 VAC – 50/60 Hz, Output: 0–20.5 VDC



**Modulamp®... SCHOTT Innovation!** Two positions optimize light intensity output, depending on the lamp in use. Entire housing is interchangeable for quick setup.

**Choice of Lamps.. SCHOTT Versatility!** Three different bulbs (EJA, EKE, DDL) offer light intensity and color temperature options to maximize productivity and accuracy.

**Note:** If the intensity control knob is turned to the R (Remote) position, lamp intensity control is switched to the rear 9-pin connector. Front panel intensity control will always override the remote intensity control.

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