

ACE® Light Source

Rugged AC halogen light source



ACE® Light Source with EKE Lamp, A20500

Product and Performance Characteristics

Compact, rugged, AC halogen light source with solid state dimmer for variable light intensity and maximizing lamp life.

- Solid state dimmer for continuous control zero to full intensity
- Heavy duty, grounded metal housing
- 115V or 230V input voltage versions available
- IR interference filter for cool illumination
- Full illumination on .60" active diameter input ColdVision light guides
- Interchangeable Modulamp Units offer 2 positions to maximize individual lamp efficiencies
- Choice of two, 150 watt halogen lamps – EKE and DDL for intense, uniform illumination. These three different bulbs offer light intensity and color temperature options to maximize productivity and accuracy.
- Built-in thermal shut down
- Quiet fan cooling
- CSA approved to UL spec, CE compliant to low voltage and EMC directives
- Low housing temperature
- Detachable IEC cord

Options

- Private labeling available.
- Infinite setting, twelve blade iris diaphragm version available to reduce intensity while maintaining color temperature.

For more information please contact:



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ACE® Light Source Models

Light Source Models	Part. No.	Lamp
115 Volts	A20500	EKE Lamp
115 Volts	A20500.2	DDL Lamp
115 Volts	*A20500.115	No Lamp
230 Volts	A20510	EKE Lamp
230 Volts	A20510.2	DDL Lamp
230 Volts	*A20510.230	No Lamp

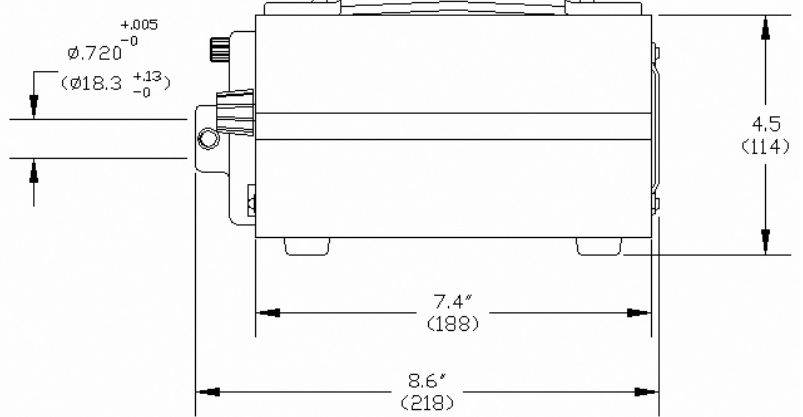
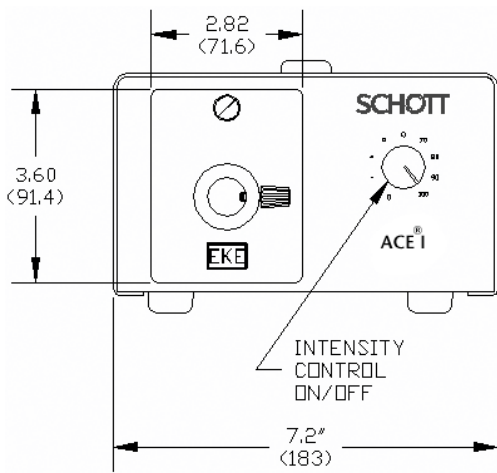
*Custom Order. Lamps can be purchased separately (EKE, DDL and Modulamp units)



Modulamp Unit with Iris Diaphragm

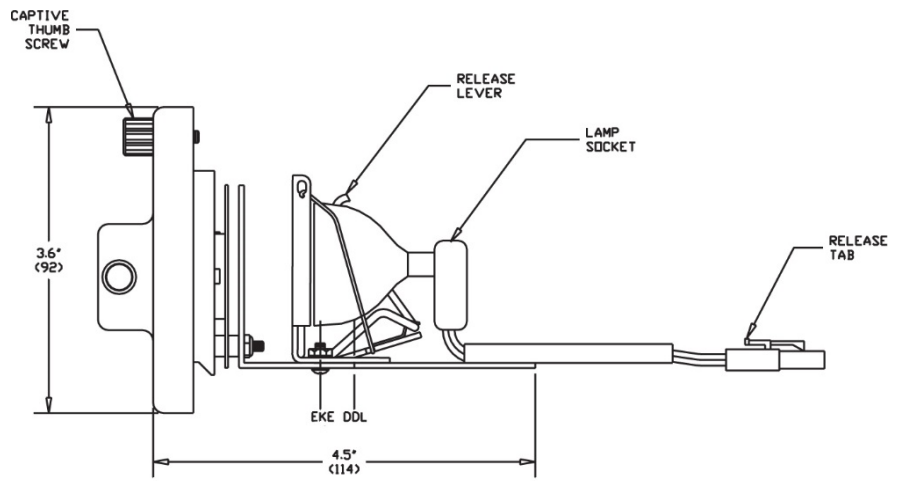
Two positions optimize light intensity output, depending on the lamp in use. Entire housing is interchangeable for quick setup.



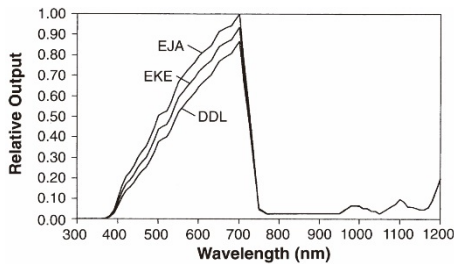


Dimensions in () are in mm
 Input: 115 VAC/60 Hz, 230 VAC/50/60 Hz, Output: 0-21 VAC

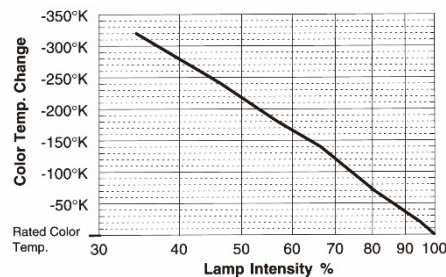
Power Supply Specification	
Power Consumption	120 Watts (nominal)
Output Voltage	0-21 VAC
Fiber Receptacle	0.72" (13.3 mm)
Input Voltage	115 VAC / 60 Hz 115 230 VAC / 50/60 Hz 60 Hz
Temperature Range Operating	0°C to 50°C



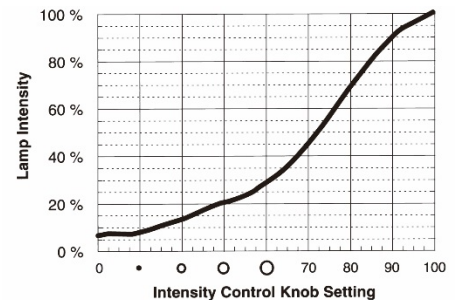
Spectral Curves w/Interference IR Filter



Color temperature Change vs. Lamp Intensity



Lamp Intensity vs. Intensity Control Knob Setting



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Halogen Lamps & Modulamp Assemblies

For ACE® and DCR® Series Light Sources



EKE 150 Watt Halogen Lamp, A08120



DDL 150 Watt Halogen Lamp, A08130



Modulamp Assembly, A08301, with lamp socket, A29506



Iris Diaphragm, A08321.2

150 Watt Halogen Lamps

Part No.	Type	Description
A08120	EKE	21 V, 3250° K color temperature; high output for most applications; Rated 200 hrs, 2000 hrs w/ a dimmer*
A08130	DDL	20 V, 3150° K color temperature; high output for most applications; Rated 200 hrs, 2000 hrs w/ a dimmer*

*Voltage reduced to 80% of full intensity

Product and Performance Characteristics

Lamp Features

- Use with ACE® Series and DCR® Series light sources
- 150 watt tungsten halogen bulbs: EKE and DDL types available
- The correct lamp for your light source is specified on the label located on the front of the Modulamp Unit

Modulamp Assembly Features

- Assures maximum light delivery to fiber optic components
- Use with all ACE® Series and DCR® Series light sources
- Full illumination on .60" (15 mm) active diameter input
- Interchangeable Modulamp Units offer 2 lamp positions to maximize individual lamp efficiencies
- Choice of two, 150 watt halogen lamps - EKE, DDL
- IR interference filter for cool illumination
- Iris version also available (made-to-order)

Modulamp Assembly - Standard without Lamp

Part No.	Description
A08301	Lamp holder for EKE lamp
A08301.2	Lamp holder for DDL lamp

Modulamp Assembly – in Diaphragm without Lamp

Part No.	Description
A08321	Lamp holder for EKE lamp
A08321.2	Lamp holder for DDL lamp

Lamp Socket

Part No.	Description
A29506	Lamp Socket for ACE® and DCR® series light sources.



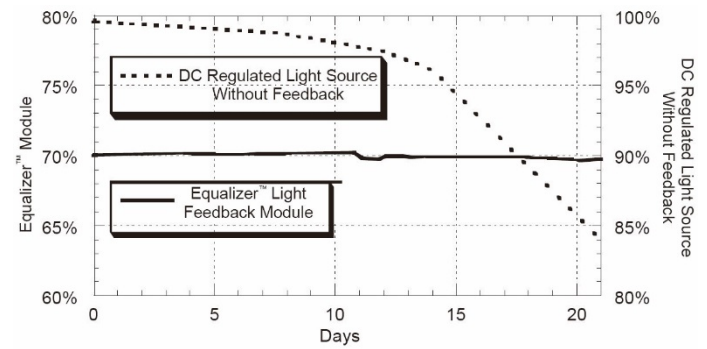
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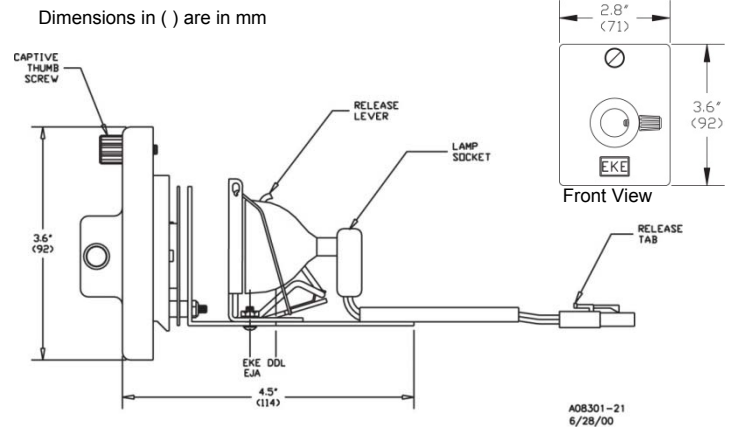
Lamp Specifications

Bulb type	EKE	DDL
Voltage	21	20
Wattage	150	150
Lamp Base	GX5.3	GX5.3
Bulb Finish	Clear	Clear
Burn Position	Base/ Down Horiz.	Base/ Down Horiz.
Shape	MR-16	MR-16
Color Temp	3250	3150
Filament	CC-6	CC-6
Lamp Fill	Halogen	Halogen
Lamp Life	200 Hours	500 Hours
Overall Length (mm)	44.5	44.5
Reflector Design	Dichroic	Dichroic
Reflector Size (mm)	50.7	50.7
Working distance (mm)	44.5	194.5

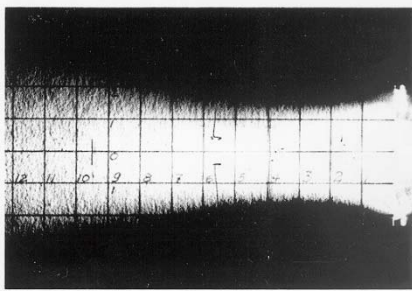
Lamp Intensity vs. Time



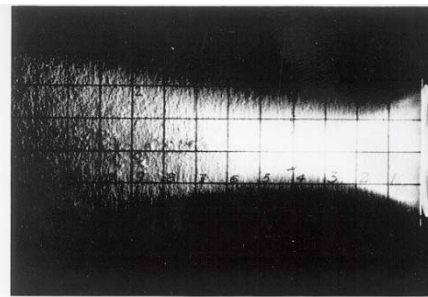
A08301, A08301.2 Modulamp Assembly



A08120 & A08130 – Lamp Beam Patterns

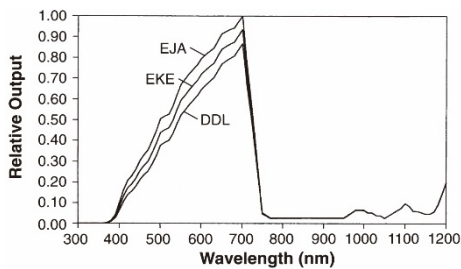


DDL 20V, 150W
MICROFILM PROJECTION

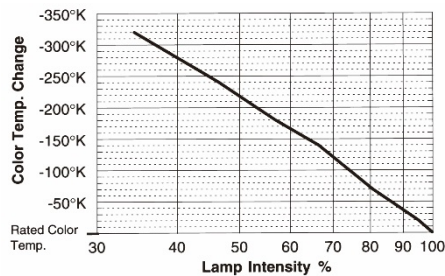


EKE 21V, 150W
8MM PROJECTION

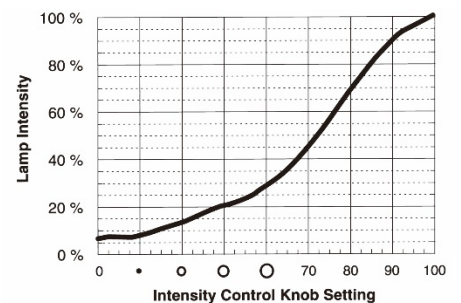
Spectral Curves w/Interference IR Filter



Color temperature Change vs. Lamp Intensity



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 glass made of ideas