



iQ121 LED Controller, A25275

iQ121 LED Controller

Provides regulated constant current and variable intensity control of LED light head for industrial and machine vision applications. For use with all SCHOTT iQLED light heads.

Features

- Single-knob light intensity control adjusts from 0 to 100%.
- LED indicator signals that power supply is connected and functioning.
- LED indicator signals of high-temperature conditions and alerts the user to check intensity setting or ambient temperature.
- Auto-recognition of maximum current requirements of the connected LED light head.
- External trigger provides light only when needed for part inspection, thus extending LED head lifetime.
- Locking connectors between power supplies and light heads ensure safe operation.
- Heavy duty, grounded metal industrial housing with T-slot grooves on both sides of the unit for mounting.
- T-slot grooves serve as cooling channels to reduce heat build-up eliminating the need for a fan.
- Power switch for manual shutdown of light head.
- CSA approved to UL spec, CE compliant to low voltage and EMC directives.
- 12VDC and 24VDC wide range power supplies available (must be ordered separately).
- One-year warranty for controller and power supplies.
- Manufactured in the USA.

Mechanical Specifications

Dimensions:	7.15" x 3.41" x 4.87" (L x W x H with feet)
	182mm x 80mm x 124mm (L x W x H with feet)
Input connector Power supply:	5.5 mm barrel power plug with 2.1 mm pin diameter, center positive (Switchcraft® P/N S760K)
Input connector lighthead:	8 PIN Connector
Remote on/off connector:	Standard BNC

LED Controller Specifications Part No. A25275

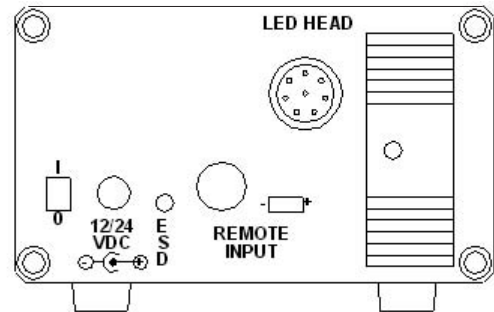
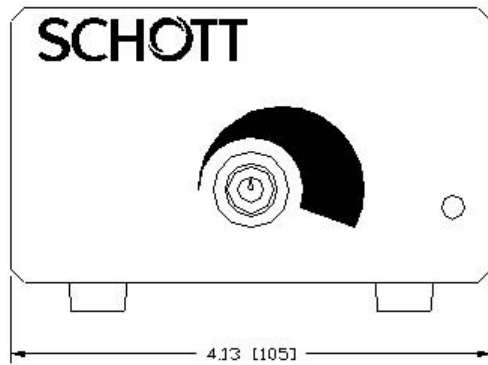
Rated Current Max	1 Amp
Input Voltage Rating, 50/60 Hz.	100 to 240 VAC
Temperature Range: Operating	0° to 45°C
Storage	-25° to 85°C
Relative Humidity, Non-condensing	5% to 95%

Controller and Power Supplies

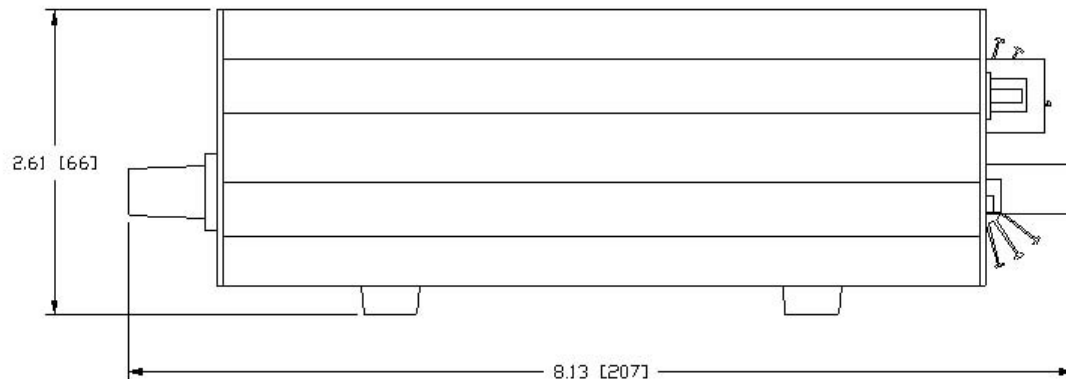
Part Number	Description
Controller	
A25275	iQ121 LED Controller
Wide Range Power Supplies - 100-240 VAC, 50/60 Hz	
A25211	12VDC with US IEC Cord Included
A25216	24VDC with US IEC Cord Included
A25212	12VDC EU Version - No Power Cord Included
A25217	24VDC EU Version - No Power Cord Included
Accessories	
A25500	Mounting Bracket Kit

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Dimensions in () are in mm



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Input: 100-240 VAC, 50/60 Hz

Power Supply and Accessories Dimensions

Power Supply: 4.33" (110) x 1.97" (50) x .79" (20)
L x W x H Dimensions in () are in mm

Mounting Brackets: 6" (152) x 4.5" (114) x .125" (3.2)
L x W x H Dimensions in () are in mm

Fiber Optics

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