Illumination Technologies, Inc.

Innovative Photonic Solutions

5320

KEY FEATURES

- **High Intensity**
- **Long Lifetime**
- **Multiple Wavelength Options**
- **50,000 hour Operation**
- **Intensity Adjustment**
- **DC Current Regulation**
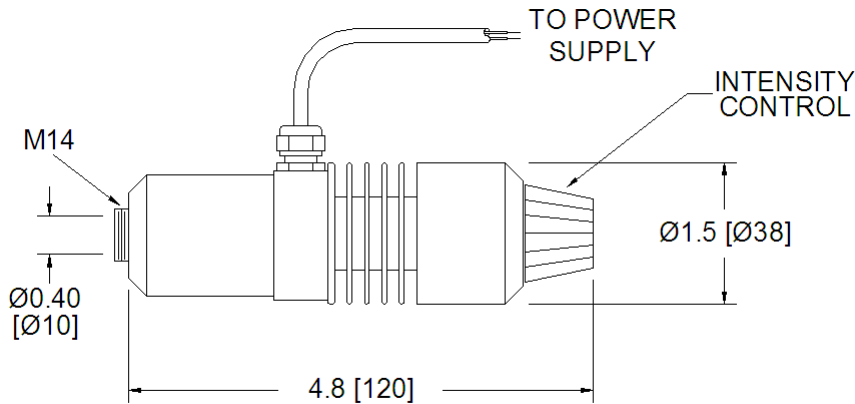- **Excellent Thermal Management**

APPLICATIONS

- **Fluorescence**
- **Biotechnology**
- **Medical Device**
- **Electronics**
- **Machine Vision**
- **Microscopy**

Intense. Stable. Long Lifetime.

Implementing the latest solid state LED photon generating technologies, the **5320** series EPI Illuminators are configured to provide extremely high intensities in a robust and reliable configuration for through-the-lens (TTL) applications. These compact units include all optical and electronic elements, simplifying OEM implementation. They are designed to inject light into standard TTL systems, surpassing single lamp or fiberoptic solutions in both intensity and lifetime. Available in a wide range of wavelengths, including deep blue and ultraviolet for fluorescence applications. These sources operate in continuous mode using onboard DC regulated current control. Intensity is set using the integral potentiometer. Comes complete with standard table top power supply. Strobe operation and other custom configurations available.

LED Products

TO POWER SUPPLY

INTENSITY CONTROL

M14

Ø0.40 [Ø10]

Ø1.5 [Ø38]

4.8 [120]

NOTE: Specifications May Change without Notice

STP File Available

PART NUMBER

5320 - WWW

WWW	Wavelength, Color
-380	380nm, Ultraviolet
-400	400 nm, Violet
-455	455 nm, Deep Blue
-470	470 nm, Blue
-505	505 nm, Light Blue
-530	530 nm, Green
-590	590 nm, Amber
-617	617 nm, Orange/Red
-627	627 nm, Red
-880	880nm, NIR
-W40	4000K, White
-W50	5000K, White
-W65	6500K, White

Average Lifetime

50,000 Hours*

*based on 80% light output maintenance at 25C ambient

Power Supply

Input (IEC320 Tabletop supply):	90-240VAC
Input (direct):	6VDC
Regulation:	DC Current Regulation
Intensity Adjustment:	Onboard

Environmental

Temperature:	0 to 35C
Relative Humidity:	0 to 95%

CAUTION

LED RADIATION
DO NOT STARE INTO BEAM
CLASS 2 LED PRODUCT

LED Products

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