8", IR 940nm, Medium Intensity Linear Backlights

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Advanced Illumination Medium Intensity Linear Backlights

Stock **#18-644** CLEARANCE   **1 In Stock**

(-)   1   (+)   **£1,024**⁰⁰

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Volume Pricing	
Qty 1+	**£1,024.00** each
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⬤ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Model Number:	
BL31308-940IC	
LED Lifetime (hours):	
50000	
Type of Illumination:	
LED Illuminator	
Note:	
Optional Manual Intensity Adjustment **#86-887** and **#89-555** are Available	

| | Manufacturer: |
| Advanced Illumination | |

| | Geometry: |
| Backlight | |

| | Illumination Mode: |
| Constant | |

Physical & Mechanical Properties

| | Dimensions (mm): |
| 216.4 x 32.2 x 21.7 | |

| | Weight (g): |
| 263 | |

| | Active Area (mm): |
| 204.4 x 25 | |

Optical Properties

| | Color: |
| IR | |

| | Wavelength (nm): |
| 940 | |

Electrical

| | Minimum Input Current: |
| 0.8A | |

Hardware & Interface Connectivity

| | Connector: |
| Flying Leads | |

| | Input Voltage (V): |
| 24V | |

| | Power Supply: |
| Power Supply Required and Sold Separately: | |

USA: **#66-855**
Europe: **#66-855**
Japan: **#89-513**
Korea: **#33-773**
China: **#66-855**

Environmental & Durability Factors

| | Operating Temperature (°C): |
| 0 - 50 | |

| | Environmental Rating: |
| IP50 | |

Regulatory Compliance

| | RoHS 2015: |
| **Exempt** | |

| | Certificate of Conformance: |
| **View** | |

| | Reach 233: |
| **Contains SVHC(s)** | |

Product Details

- Intense, Diffuse Output up to 226,000 Lux
- Full Range of Wavelengths Available
- UltraSeal Washdown Backlights for Harsh Environments Also Available
- Optional Manual Intensity Adjustments (**#86-887** and **#89-555**) Recommended

Advanced Illumination Medium Intensity Linear Backlights provide intense, diffuse illumination up to 226,000 Lux. These backlights are available in a full range of wavelengths for seamless system integration. Advanced Illumination Medium Intensity Linear Backlights are ideal for applications such as line scan and object silhouetting. IP69K certified Advanced Illumination UltraSeal Washdown Backlights for harsh environment applications are available.

Note: Requires 24V power supply **#66-855**. Manual Intensity Adjustment **#86-887** and **#89-555** are recommended and sold separately.

3D-Printable Mount Files

Bar or Line Light Configuration

DOWNLOAD NOW

Designed for use with the Articulating Arm Mounting Systems, these 3D-printed mounts allow easy positioning of lights in brightfield or darkfield setups. The design is based on mounting illumination to ¼-20" breadboards or into 80/20 extrusion systems, but can be adapted based on user needs. Mounts are available for ring, bar, line, and inline spot lights.

Application Note

Illumination Mounts for Machine Vision Applications
Read

Video

Assembly of 3D Printed Mounts for Common Illumination Geometries
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