OEM Automatic Ltd
Address: Whiteacres, Whetstone Leicester, LE8 6ZG
0116 284 9900 | Orders@oem.co.uk | www.oem.co.uk

BASLER CAMERA FLOOD LIGHTS

2200000658
Flood light, 278x51x49(255x45), 5500K White



- Integrated controller for perfect synchonisation
- Blue, red or white LEDs
- 255x45mm light emitting surface
- Easy access to strobe and over drive functions

PRODUCT DESCRIPTION

Basler Camera Flood Lights, such as the BCF-255X45 series, are high-performance LED illumination solutions designed for machine vision applications.These lights feature a 255 × 45 mm luminous surface and are available in red (625 nm), white (5500 K), and blue (465 nm) LED options.With a power consumption of 14 W and an input voltage of 24 VDC (±10%), they provide consistent and uniform lighting.The integrated controller supports pulse-width modulation (PWM) at 100 kHz, allowing for precise intensity control.Constructed with an aluminum alloy and resin housing, these flood lights are designed for durability and efficient heat dissipation.They operate effectively within a temperature range of 0–40 °C and humidity levels of 20–85% (non-condensing).
In practical applications, Basler Camera Flood Lights are ideal for tasks requiring broad and even illumination, such as surface inspection, object recognition, and quality control in manufacturing processes.The integration with Basler's pylon software suite enables seamless synchronisation between the camera and lighting system, facilitating modes like continuous, strobe, and overdrive.This integration simplifies system setup and enhances imaging performance, making these flood lights a valuable component in automated inspection systems.

TECHNICAL DATA

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Wavelength	5500 K
Colour	White
Light dimensions	255mm x 45mm
Length	278 mm
Width	51 mm
Height	49 mm
Connector/controller	Integrated controller, constant voltage (66.2x30x20mm)
Input voltage	24 V DC (±10%)
Power consumption	14 W
Operating temperature	0 ... 40°C
Storage temperature	-20 ... +60°C
Operating humidity	20-85%
Humidity storage	20-85%
Approvals	CE, EN61000-6-2, EN61000-6-4, RoHS

Weight	830 g

