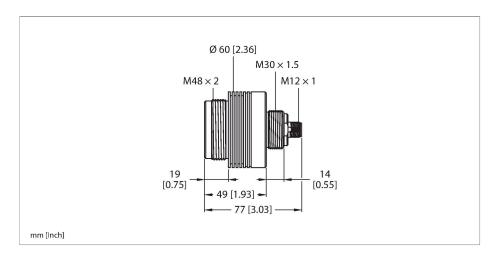


# GS60WL4AQ Vision System – Spotlight



#### Technical data

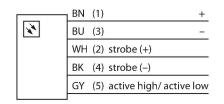
Signal and display data  Purpose Image processing  Function Spotlight  Light type White  Color temperature 5000 K  Luminous flux lumen 300 Im  LED service life (L70) 90000 h  Dimmable PWM  Electrical data  Operating voltage U₅ 1230 VDC  DC rated operating current I₅ ≤ 180 mA  Input power 5.4 W  Mechanical data  Cascadable No  Design Cylinder, threaded, Cylinder  Dimensions Ø 60 x 77 mm  Housing material Aluminium, AL, Black  Electrical connection Connector, M12  with motion switch no  Ambient temperature -40+50 °C  Storage temperature -40+70 °C  Protection class IP67  Tests/approvals  Approvals CE, cULus, UKCA	Туре	GS60WL4AQ
Purpose Image processing Function Spotlight  Light type White  Color temperature 5000 K  Luminous flux lumen 300 Im  LED service life (L70) 90000 h  Dimmable PWM  Electrical data  Operating voltage U <sub>B</sub> 1230 VDC  DC rated operating current I <sub>B</sub> ≤ 180 mA  Input power 5.4 W  Mechanical data  Cascadable No  Design Cylinder, threaded, Cylinder  Dimensions Ø 60 x 77 mm  Housing material Aluminium, AL, Black  Electrical connection Connector, M12  with motion switch no  Ambient temperature -40+70 °C  Protection class IP67  Tests/approvals	ID	3815795
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Light type White  Color temperature 5000 K  Luminous flux lumen 300 Im  LED service life (L70) 90000 h  Dimmable PWM  Electrical data  Operating voltage U <sub>a</sub> 1230 VDC  DC rated operating current I <sub>a</sub> ≤ 180 mA  Input power 5.4 W  Mechanical data  Cascadable No  Design Cylinder, threaded, Cylinder  Dimensions Ø 60 x 77 mm  Housing material Aluminium, AL, Black  Electrical connection Connector, M12  with motion switch no  Ambient temperature -40+50 °C  Storage temperature -40+70 °C  Protection class IP67  Tests/approvals	Purpose	Image processing
Color temperature 5000 K  Luminous flux lumen 300 lm  LED service life (L70) 90000 h  Dimmable PWM  Electrical data  Operating voltage U <sub>8</sub> 1230 VDC  DC rated operating current I <sub>8</sub> ≤ 180 mA  Input power 5.4 W  Mechanical data  Cascadable No  Design Cylinder, threaded, Cylinder  Dimensions Ø 60 x 77 mm  Housing material Aluminium, AL, Black  Electrical connection Connector, M12  with motion switch no  Ambient temperature -40+50 °C  Storage temperature -40+70 °C  Protection class IP67  Tests/approvals	Function	Spotlight
Luminous flux lumen       300 lm         LED service life (L70)       90000 h         Dimmable       PWM         Electrical data       PWM         Operating voltage U <sub>8</sub> 1230 VDC         DC rated operating current I <sub>8</sub> ≤ 180 mA         Input power       5.4 W         Mechanical data       Cascadable         Cascadable       No         Design       Cylinder, threaded, Cylinder         Dimensions       Ø 60 x 77 mm         Housing material       Aluminium, AL, Black         Electrical connection       Connector, M12         with motion switch       no         Ambient temperature       -40+50 °C         Storage temperature       -40+70 °C         Protection class       IP67         Tests/approvals	Light type	White
LED service life (L70)  Dimmable  PWM  Electrical data  Operating voltage U <sub>s</sub> DC rated operating current I <sub>s</sub> Input power  Mechanical data  Cascadable  Design  Cylinder, threaded, Cylinder  Dimensions  Ø 60 x 77 mm  Housing material  Aluminium, AL, Black  Electrical connection  Connector, M12  with motion switch  Ambient temperature  -40+50 °C  Storage temperature  -40+70 °C  Protection class  IP67  Tests/approvals	Color temperature	5000 K
Dimmable       PWM         Electrical data       1230 VDC         DC rated operating current I₀       ≤ 180 mA         Input power       5.4 W         Mechanical data       Cascadable         Cascadable       No         Design       Cylinder, threaded, Cylinder         Dimensions       Ø 60 x 77 mm         Housing material       Aluminium, AL, Black         Electrical connection       Connector, M12         with motion switch       no         Ambient temperature       -40+50 °C         Storage temperature       -40+70 °C         Protection class       IP67         Tests/approvals	Luminous flux lumen	300 lm
Electrical data  Operating voltage U <sub>B</sub> 1230 VDC  DC rated operating current I <sub>B</sub> Input power  5.4 W  Mechanical data  Cascadable  No  Design  Cylinder, threaded, Cylinder  Dimensions  Ø 60 x 77 mm  Housing material  Aluminium, AL, Black  Electrical connection  with motion switch  Ambient temperature  -40+50 °C  Storage temperature  Protection class  IP67  Tests/approvals	LED service life (L70)	90000 h
Operating voltage U <sub>B</sub> 1230 VDC         DC rated operating current I <sub>B</sub> ≤ 180 mA         Input power       5.4 W         Mechanical data       No         Cascadable       No         Design       Cylinder, threaded, Cylinder         Dimensions       Ø 60 x 77 mm         Housing material       Aluminium, AL, Black         Electrical connection       Connector, M12         with motion switch       no         Ambient temperature       -40+50 °C         Storage temperature       -40+70 °C         Protection class       IP67         Tests/approvals	Dimmable	PWM
DC rated operating current I₀ ≤ 180 mA  Input power 5.4 W  Mechanical data  Cascadable No  Design Cylinder, threaded, Cylinder  Dimensions Ø 60 x 77 mm  Housing material Aluminium, AL, Black  Electrical connection Connector, M12  with motion switch no  Ambient temperature -40+50 °C  Storage temperature -40+70 °C  Protection class IP67  Tests/approvals	Electrical data	
Input power 5.4 W  Mechanical data Cascadable No  Design Cylinder, threaded, Cylinder  Dimensions Ø 60 x 77 mm  Housing material Aluminium, AL, Black  Electrical connection Connector, M12  with motion switch no  Ambient temperature -40+50 °C  Storage temperature -40+70 °C  Protection class IP67  Tests/approvals	Operating voltage U <sub>B</sub>	1230 VDC
Mechanical data Cascadable  Design  Cylinder, threaded, Cylinder  Dimensions  Ø 60 x 77 mm  Housing material  Aluminium, AL, Black  Electrical connection  with motion switch  Ambient temperature  -40+50 °C  Storage temperature  -40+70 °C  Protection class  IP67  Tests/approvals	DC rated operating current I <sub>o</sub>	≤ 180 mA
Cascadable  Design  Cylinder, threaded, Cylinder  Dimensions  Ø 60 x 77 mm  Housing material  Aluminium, AL, Black  Electrical connection  with motion switch  Ambient temperature  -40+50 °C  Storage temperature  -40+70 °C  Protection class  IP67  Tests/approvals	Input power	5.4 W
Design  Cylinder, threaded, Cylinder  Dimensions  Ø 60 x 77 mm  Housing material  Aluminium, AL, Black  Electrical connection  Connector, M12  with motion switch  no  Ambient temperature  -40+50 °C  Storage temperature  -40+70 °C  Protection class  IP67  Tests/approvals		
Dimensions Ø 60 x 77 mm  Housing material Aluminium, AL, Black  Electrical connection Connector, M12  with motion switch no  Ambient temperature -40+50 °C  Storage temperature -40+70 °C  Protection class IP67  Tests/approvals	Mechanical data	
Housing material  Aluminium, AL, Black  Electrical connection  Connector, M12  with motion switch  no  Ambient temperature  -40+50 °C  Storage temperature  -40+70 °C  Protection class  IP67  Tests/approvals		No
Electrical connection  With motion switch  Ambient temperature  Storage temperature  Protection class  Tests/approvals  Connector, M12  no  -40+50 °C  Electrical connection  Tests/approvals	Cascadable	
with motion switch  Ambient temperature  -40+50 °C  Storage temperature  -40+70 °C  Protection class  IP67  Tests/approvals	Cascadable Design	Cylinder, threaded, Cylinder
Ambient temperature -40+50 °C  Storage temperature -40+70 °C  Protection class IP67  Tests/approvals	Cascadable Design Dimensions	Cylinder, threaded, Cylinder Ø 60 x 77 mm
Storage temperature -40+70 °C  Protection class IP67  Tests/approvals	Cascadable  Design  Dimensions  Housing material	Cylinder, threaded, Cylinder Ø 60 x 77 mm Aluminium, AL, Black
Protection class IP67 Tests/approvals	Cascadable  Design  Dimensions  Housing material  Electrical connection	Cylinder, threaded, Cylinder Ø 60 x 77 mm Aluminium, AL, Black Connector, M12
Tests/approvals	Cascadable  Design  Dimensions  Housing material  Electrical connection  with motion switch	Cylinder, threaded, Cylinder  Ø 60 x 77 mm  Aluminium, AL, Black  Connector, M12  no
	Cascadable  Design  Dimensions  Housing material  Electrical connection  with motion switch  Ambient temperature	Cylinder, threaded, Cylinder Ø 60 x 77 mm Aluminium, AL, Black Connector, M12 no -40+50 °C
Approvals CE, cULus, UKCA	Cascadable  Design  Dimensions  Housing material  Electrical connection  with motion switch  Ambient temperature  Storage temperature	Cylinder, threaded, Cylinder Ø 60 x 77 mm  Aluminium, AL, Black  Connector, M12  no  -40+50 °C  -40+70 °C
	Cascadable  Design  Dimensions  Housing material  Electrical connection  with motion switch  Ambient temperature  Storage temperature  Protection class	Cylinder, threaded, Cylinder Ø 60 x 77 mm  Aluminium, AL, Black  Connector, M12  no  -40+50 °C  -40+70 °C



#### **Features**

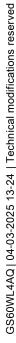
- Increased visibility and efficiency in inspection and image-processing applications
- Large illuminated area with a diameter of
- Rugged, sealed housing with protection class IP67
- ■30-mm mounting base
- Operating voltage: 12...30 VDC
- ■M12 × 1 connector, 4-pin
- PWM dimming and analog dimming 1... 10 VDC

## Wiring diagram



### Functional principle

The GS60 Spot Lamp is a powerful lighting and display solution designed for large industrial areas and visual applications. With a single high-brightness LED, this highperformance lamp provides high contrast for inspection and detection tasks, device status warnings and operator guidance. This lamp improves visibility with its bright, focused spot, reducing errors, increasing productivity and improving operator interaction with the system. Seven color options are available, including blue for mobile equipment and green for material handling or part selection guidance. The white, infrared and UV light colors are well suited for image-processing applications. Adjust the light to your ideal application intensity with two control options: (high/low/off) or adjustable PWM/flashing light and 1...10 VDC dimming control, connected via an integrated M12 connector.





The rugged anodized aluminum housing and polycarbonate window construction withstand harsh environments and shocks to provide reliable and long-lasting performance.