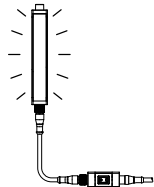




Features



- In-line motion detector switch with M12 connectors
- Rugged metal housing
- Perfect for DC-powered task lights
- Rated for up to 30 V DC

**IMPORTANT:** Read the following instructions before operating the light. Please download the complete In-Line Motion Detector technical documentation, available in multiple languages, from [www.bannerengineering.com](http://www.bannerengineering.com) for details on the proper use, applications, Warnings, and installation instructions of this device.

**IMPORTANT:** Lea el siguiente instructivo antes de operar el luminario. Por favor descargue desde [www.bannerengineering.com](http://www.bannerengineering.com) toda la documentación técnica de los In-Line Motion Detector, disponibles en múltiples idiomas, para detalles del uso adecuado, aplicaciones, advertencias, y las instrucciones de instalación de estos dispositivos.

**IMPORTANT:** Lisez les instructions suivantes avant d'utiliser le luminaire. Veuillez télécharger la documentation technique complète des In-Line Motion Detector sur notre site [www.bannerengineering.com](http://www.bannerengineering.com) pour les détails sur leur utilisation correcte, les applications, les notes de sécurité et les instructions de montage.

Models

Model	Description	Used With
WLS28-2MQ	In-line motion detector switch	2-wire DC LED lights

Specifications

Supply Voltage

12 V DC to 30 V DC max  
See electrical characteristics on product label

Current Rating

4 Amps maximum

Motion Detection

Light turns off after approximately 60 seconds without detecting motion  
Range: 12 meters;  $\pm 45^\circ$  field of view  
Standby current: 170  $\mu$ A

Construction

Clear anodized aluminum housing; painted zinc end caps; thermoplastic detector; zinc-plated steel brackets

Connections

Integral 4-pin M12 male and female quick-disconnect connectors

Mounting

(2) swivel brackets SMBWLS28RA included and (4) screws

Environmental Rating

IP50

Operating Temperature

$-20^\circ\text{C}$  to  $+60^\circ\text{C}$  ( $-4^\circ\text{F}$  to  $+140^\circ\text{F}$ )

Storage Temperature

$-40^\circ\text{C}$  to  $+70^\circ\text{C}$  ( $-40^\circ\text{F}$  to  $+158^\circ\text{F}$ )

Certifications

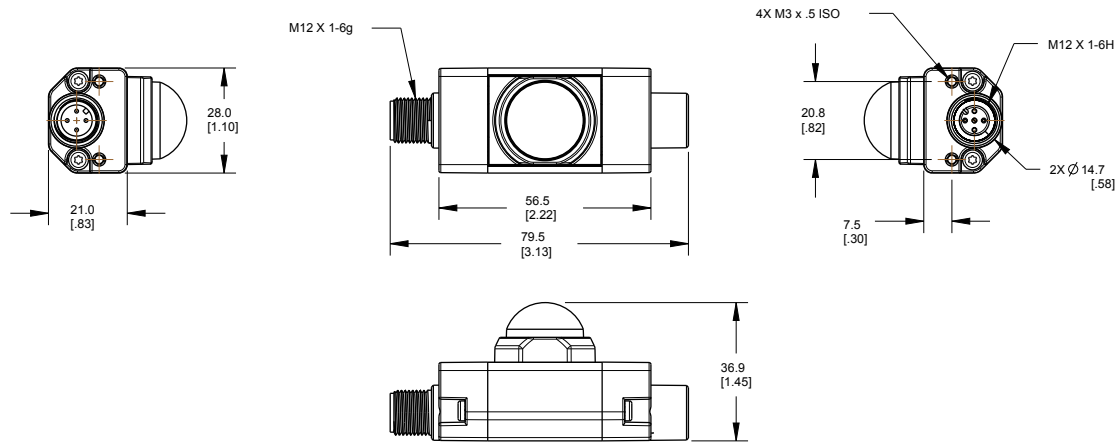


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1831 Diegem, BELGIUM



# Dimensions

All measurements are listed in millimeters [inches], unless noted otherwise. The measurements provided are subject to change.



# Wiring



Pin	Wire Color	Input (Male)	Output (Female)
1	Brown	V+ DC (30 V max)	V+ DC
3	Blue	DC common	DC common
4	Black	Connect to 12 V DC to 30 V DC to bypass the motion detector switch	Not used
2	White	Not used	Not used

# Accessories

## Cordsets

4-Pin Single-Ended M12 Female Cordsets				
Model	Length	Style	Dimensions	Pinout (Female)
MQDC-406	2 m (6.56 ft)	Straight		
MQDC-415	5 m (16.4 ft)			
MQDC-430	9 m (29.5 ft)			
MQDC-450	15 m (49.2 ft)			

Continued on page 3

Continued from page 2

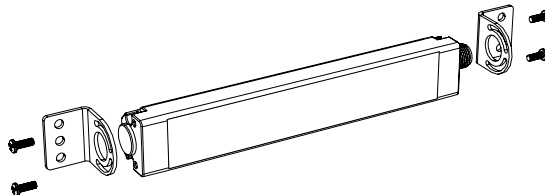
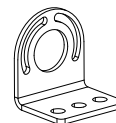
4-Pin Single-Ended M12 Female Cordsets				
Model	Length	Style	Dimensions	Pinout (Female)
MQDC-406RA	2 m (6.56 ft)	Right-Angle		
MQDC-415RA	5 m (16.4 ft)			
MQDC-430RA	9 m (29.5 ft)			
MQDC-450RA	15 m (49.2 ft)			

4-Pin Double-Ended M12 Female to M12 Male Cordsets				
Model	Length	Style	Dimensions	Pinout
MQDEC-401SS	0.31 m (1 ft)	Male Straight/Female Straight		Female
MQDEC-403SS	0.91 m (2.99 ft)			
MQDEC-406SS	1.83 m (6 ft)			Male
MQDEC-412SS	3.66 m (12 ft)			
MQDEC-415SS	4.58 m (15 ft)			<p>1 = Brown 2 = White 3 = Blue 4 = Black</p>
MQDEC-420SS	6.10 m (20 ft)			
MQDEC-430SS	9.14 m (30.2 ft)			
MQDEC-450SS	15.2 m (49.9 ft)			

## Brackets

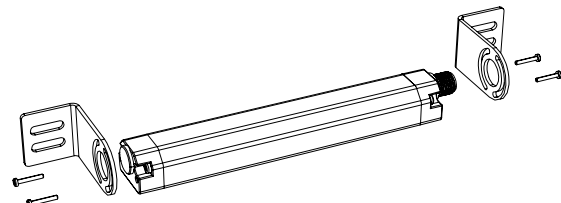
### SMBWLS28RA

The bracket kit is available as a replacement for the one that comes with the light or switch. The kit contains two end brackets and four screws.



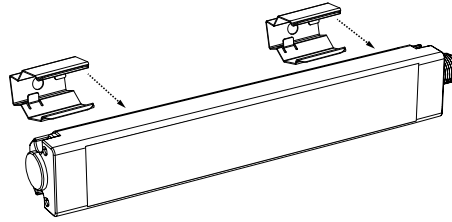
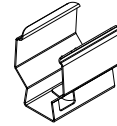
### SMBWLS28SM

This kit allows the light or switch to be mounted at a right angle to the mounting surface. The kit contains two end brackets and four screws.



#### SMBWLS28SP

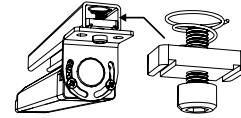
- Stainless steel snap bracket kit
- Includes two brackets



#### SMH1316

This kit allows the light or switch to be mounted to a 13/16-inch Unistrut channel. Light is shown. The kit includes:

- #10-32 spring nuts (qty 2)
- #10-32 socket head cap screws (qty 2)
- #10 lock washers (qty 2)

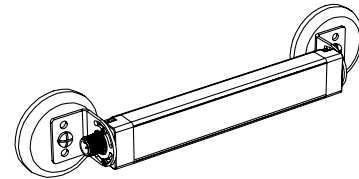


#### SMBWLSMAG

- Magnetic mounting bracket for easy attachment to steel surfaces

#### SMBWLSMAGR

- Protective cover also available to prevent scratches to painted surfaces



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For patent information, see [www.bannerengineering.com/patents](http://www.bannerengineering.com/patents).

## Mexican Importer

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