



A range of high performance PIR sensors for dependable switching of lighting loads.

High definition lenses, performance optics and software are all optimised to provide class leading sensitivity and occupancy detection ensuring that the lights are always on when required.

QuickAnalytics enables greater energy saving and enhances user comfort through the precise monitoring and analysis of sensor activity data.

Features and benefits

- High sensitivity occupancy detection
- Integrated daylight sensing
- Quick, easy commissioning with wireless programming tools
- Mid-Bay & Hi-Bay variants - for greater mounting heights (up to 16m)
- QuickAnalytics (via QuickSet Pro) helps maximise and verify your energy savings
- Absence & Presence mode operation
- Simple installation with pluggable, colour-coded connectors and automatic absence mode operation when a switch input is detected
- Flush and surface mount options
- UltraLite LCM installation option via a range of pre-wired leads/ connectors – sold separately

Applications:

- Commercial Offices
- Education
- Healthcare
- Hospitality
- Industrial

TECHNICAL DATA:

Technology: PIR

Coverage: 360° (Range detailed overleaf)

Operating Voltage: 230V +/- 15% 50/60 Hz Recommended Circuit Protection 16A MCB

Power Consumption: Load On 500mW
Load Off 150mW

Load Rating: LS3100 6A
LS3200 10A
Max Inrush Current 80A

Operating Temperature: 0° C to 45° C

Storage Temperature: -20° C to 80° C

Humidity: 20% to 80% non-condensing

Fascia Colour: White (RAL9010)

Weight: 140g

Material: Flame retardant PC/ABS

IP Rating: IP4x (IP55 LS3200RIP)

Conformity: EMC-2004/108/EC

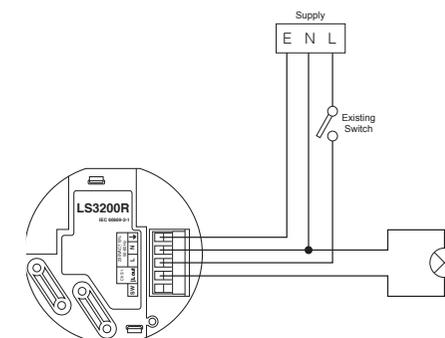
LVD – 2006/95/EC

RoHS-2011/65/EU

Products

	Flush Mount (add suffix 'F' to part no)	Surface Mount (add suffix 'SM' to part no)	Switching (10A)	Switching (6A)	Manual "OneSwitch"	Programmable Manual Switch Input	IP55	Office	Mid-Bay	Hi-Bay	QuickLink	Quick Analytics
GBSW500 OEM LS3100R	•	•		•	•							
GBSW500 OEM LS3100RMB	•	•		•	•				•			
GBSW500 OEM LS3100RHB	•	•		•	•					•		
GBSW500 OEM LS3200R	•	•	•			•		•				•
GBSW500 OEM LS3200RIP	•	N/A	•			•	•	•				•
GBSW500 OEM LS3200RMB	•	•	•			•			•			•
GBSW500 OEM LS3200RHB	•	•	•			•				•		•
Note: The following QuickLink Master sensors offer additional features incl dimming (see separate (see separate data sheet)												
GBSW500 OEM LS3243R	•	•	•			•		•			•	•
GBSW500 OEM LS3243RMB	•	•	•			•			•		•	•
GBSW500 OEM LS3243RHB	•	•	•			•				•	•	•

Connection Diagram



LIGHTSPOT HD

SWITCHING PIR SENSORS

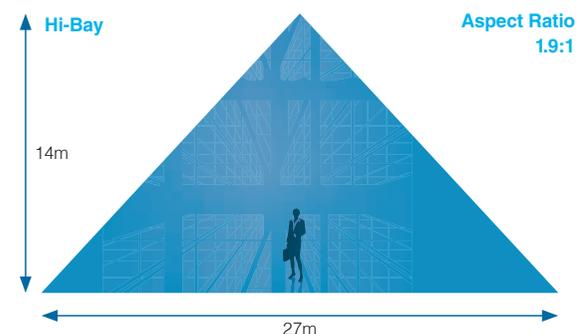
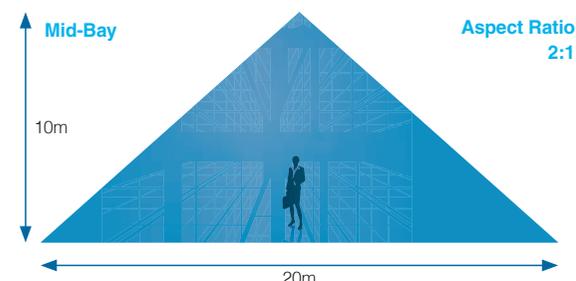
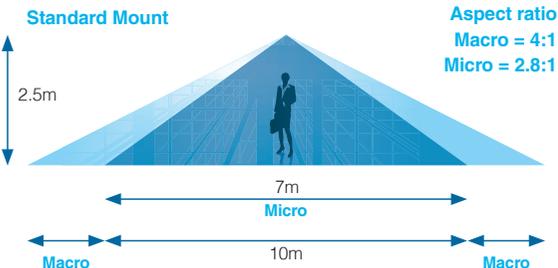


Key Programmable Parameters

	LS3100R (All variants)	LS3200R (All variants)	Defaults
Occupancy Timeout	5 Sec to ∞	5 Sec to ∞	20 Mins
Photocell Operation	Enabled/Disabled	Enabled/Disabled	Enabled
Photocell Turn ON Level	100 – 1000 Lux	100 – 1000 Lux	350 Lux
Photocell Turn OFF Level	Up to 6 x ON Level 100 – 1000 Lux	Up to 6 x ON Level 100 – 1000 Lux	800 Lux
Power-up State	Occupied/Unoccupied	Occupied/Unoccupied	Occupied
Movement Sensitivity	Low/Med/High/Max	Low/Med/High/Max	Max
Indicator LEDs	Enabled/Disabled	Enabled/Disabled	Disabled
Trigger Mode	Presence/Absence	Presence/Absence/Auto absence	Presence
Setback Sensitivity	N/A	20% to 100%	100%

Sensing Data

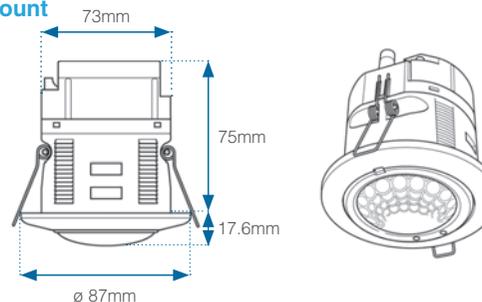
	Aspect ratio (diameter: height)		
Type	Micro Detection - High Sensitivity	Macro Detection - Standard Sensitivity	Max recommended mounting height
Office	2.8:1 (7m diameter @ 2.5 height)	4:1 (10m diameter @ 2.5m height)	3.5m
Mid-Bay	N/A	2:1 (20m diameter @ 10m height)	12m
Hi-Bay	N/A	1.9:1 (27m diameter @ 14m height)	16m



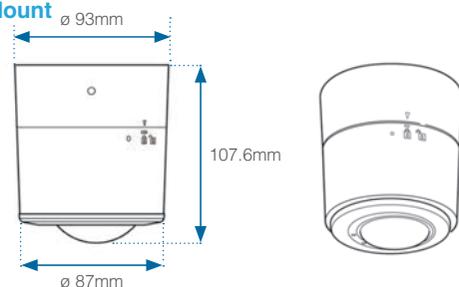
LightSpot HD Switching PIR Sensors

GBSW500 OEM LS3100RF	LightSpot HD Switching Sensor Flush Mount
GBSW500 OEM LS3100RSM	LightSpot HD Switching Sensor Surface Mount
GBSW500 OEM LS3100RMBF	LightSpot HD Mid-Bay Switching Sensor Flush Mount
GBSW500 OEM LS3100RMBSM	LightSpot HD Mid-Bay Switching Sensor Surface Mount
GBSW500 OEM LS3100RHBF	LightSpot HD Hi-Bay Switching Sensor Flush Mount
GBSW500 OEM LS3100RHBSM	LightSpot HD Hi-Bay Switching Sensor Surface Mount
GBSW500 OEM LS3200RF	LightSpot HD Switching Sensor with Manual Override Flush Mount
GBSW500 OEM LS3200RSM	LightSpot HD Switching Sensor with Manual Override Surface Mount
GBSW500 OEM LS3200RIPF	LightSpot HD IP55 Switching Sensor with Manual Override Flush Mount
GBSW500 OEM LS3200RMBF	LightSpot HD Mid-Bay Switching Sensor with Manual Override Flush Mount
GBSW500 OEM LS3200RMBSM	LightSpot HD Mid-Bay Switching Sensor with Manual Override Surface Mount
GBSW500 OEM LS3200RHBF	LightSpot HD Hi-Bay Switching Sensor with Manual Override Flush Mount
GBSW500 OEM LS3200RHBSM	LightSpot HD Hi-Bay Switching Sensor with Manual Override Surface Mount
GBSW500 OEM LS3243RF	LightSpot HD QuickLink Master Switching Sensor with Lens Tilting and Low Power Flush Mount
GBSW500 OEM LS3243RSM	LightSpot HD QuickLink Master Switching Sensor with Lens Tilting and Low Power Surface Mount
GBSW500 OEM LS3243RMBF	LightSpot HD Mid-Bay QuickLink Master Switching Sensor with Lens Tilting and Low Power Flush Mount
GBSW500 OEM LS3243RMBSM	LightSpot HD Mid-Bay QuickLink Master Switching Sensor with Lens Tilting and Low Power Surface Mount
GBSW500 OEM LS3243RHBF	LightSpot HD Hi-Bay QuickLink Master Switching Sensor with Lens Tilting and Low Power Flush Mount
GBSW500 OEM LS3243RHBSM	LightSpot HD Hi-Bay QuickLink Master Switching Sensor with Lens Tilting and Low Power Surface Mount

Flush Mount



Surface Mount



LightSpot HD Accessories

SURFMT	LightSpot HD Surface Mount Kit
LOCKRING	LightSpot HD Secure Flush Mount Adaptor



LightSpot HD Tools

QuickControl	LightSpot HD Infrared User Controller
QuickSet	LightSpot HD Infrared Programming Tool
QuickSet Pro	LightSpot HD Digital 2 Way Programming Tool