

LightSpot HD Switching PIR Sensors



The LightSpot HD Switching PIR Sensors are 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 200A
Operating Temperature	0° C to 40° C
Storage Temperature	-20° C to 80° C
Humidity	20% to 80% non-condensing
Fascia Colour	White (RAL9010)
Weight	Flush 121g Surface 215g

Material	Flame retardant PC/ABS
IP Rating	Fixed head - IP40 Tilt head - IP20 LS3200RIP - IP55
Conformity	EMC-2014/30/EU LVD-2014/35/EC RoHS-2011/65/EU

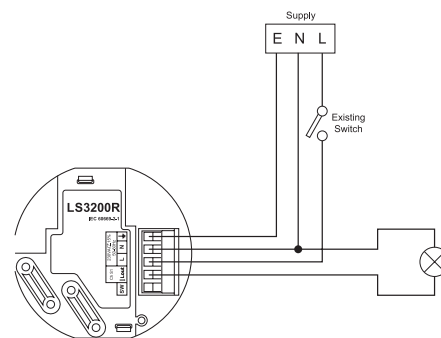
Product Comparison

	Flush Mount	Surface Mount	Switching (10A)	Switching (6A)	Manual OneSwitch	Programmable	Manual Switch Input	IP55	Office	Mod-Bay	high-Bay	Quick Link	Quick Analytics
LS3100R	•	•		•	•				•				
LS3100RMB	•	•		•	•					•			
LS3100RHB	•	•		•	•						•		
LS3200R	•	•	•			•			•				•
LS3200RIP	•	•	•			•	•	•	•				•

Note: The following QuickLink Master sensors offer additional features including dimming (see separate data sheet)

LS3243R	•	•	•			•			•			•	•
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Connections

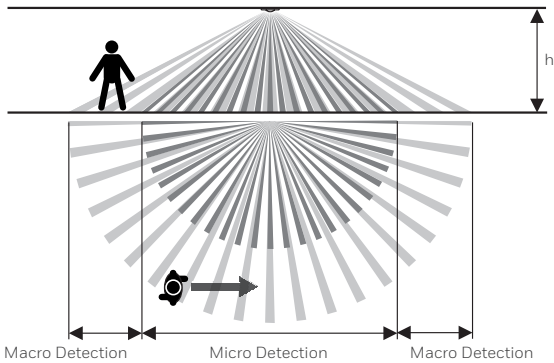


Key Programmable Parameters

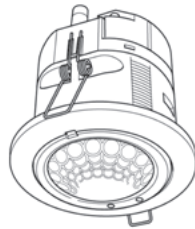
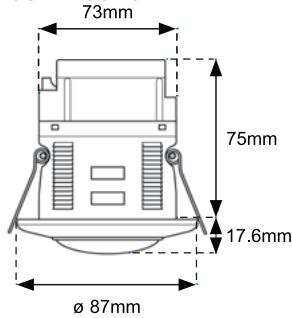
	LS3100R	LS3200R	Defaults
Occupancy Timeout	5 Sec to ∞		20 Mins
Photocell Operation	Enabled/Disabled		Enabled
Photocell Turn ON Level	100 to 1000 Lux		350 Lux
Photocell Turn OFF Level	Up to 6 x ON Level 100 to 1000 Lux		800 Lux
Power-up State	Occupied/Unoccupied		Occupied
Movement Sensitivity	Low/Med/High/Max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

Sensing Data

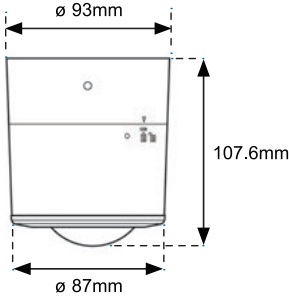
	<i>Aspect Ratio (diameter : height)</i>		<i>Max recommended mounting height (h)</i>
	<i>Micro Detection - High Sensitivity</i>	<i>Macro Detection - Standard Sensitivity</i>	
Office	2.8:1 7m diameter @2.5m height	4:1 10m diameter @2.5m height	3.5m
Mid Bay	N/A	2:1 20m diameter @10m height	12m
High Bay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



Dimensions
Flush Mount



Surface Mount



Order Codes

LS3100RF	LightSpot HD Switching Sensor Flush Mount
LS3100RSM	LightSpot HD Switching Sensor Surface Mount
LS3100RMBF	LightSpot HD Mid-Bay Switching Sensor Flush Mount
LS3100RMBSM	LightSpot HD Mid-Bay Switching Sensor Surface Mount
LS3100RHBF	LightSpot HD Hi-Bay Switching Sensor Flush Mount
LS3100RHBSM	LightSpot HD Hi-Bay Switching Sensor Surface Mount
LS3200RF	LightSpot HD Switching Sensor with Manual Override Flush Mount
LS3200RSM	LightSpot HD Switching Sensor with Manual Override Surface Mount
LS3200RIPF	LightSpot HD IP55 Switching Sensor with Manual Override Flush Mount
LS3243RF	LightSpot HD QuickLink Master Switching Sensor with Lens Tilting and Low Power Flush Mount
LS3243RSM	LightSpot HD QuickLink Master Switching Sensor with Lens Tilting and Low Power Surface Mount
DALINETHBS	High-bay bus powered surface mount DALI Network Sensor.
DALINETMBS	Mid-bay bus powered surface mount DALI Network Sensor.

Accessories

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

Commissioning & End User Tools

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