

**Key Features**

- Open loop light control
- Light range of 1 LUX - 100,000 LUX
- Simple mounting
- Easy connection to router system

**Connections**

DALI	Wire size: 1.0 mm <sup>2</sup> - 2.5 mm <sup>2</sup> 2-core solid, flexible or stranded Max. length: 300 m @ 2.5 mm <sup>2</sup> (part of DALI subnet)
Connector type:	Screw terminals: N: DALI + L0: DALI - L1: No connection
Cable rating:	All cables must be mains rated

**Power supply**

DALI power supply:	13 V - 22 V
DALI consumption:	10 mA

**Sensor**

Sensor element:	Photodiode matched to human eye response
Light sensing angle:	When mounted vertically: 85° from vertical Horizontal plane: 360°
Working light range:	1 LUX - 100,000 LUX
Light level reading output:	0-200

**Mounting**

Mounting angle:	Vertical (clear sensor head at top)
Mounting points:	2 × M4 (No. 8 woodscrew)

**Mechanical data**

Dimensions:	148 mm × 82 mm × 87 mm
Material:	
Base & mounting bracket:	Black ABS
Socket & sensor accessory:	Black glass-filled nylon
Sensor cover:	Toughened acrylic (UV stable)
Weight:	250 g
IP code:	IP65

**Operating conditions**

Ambient temperature:	-35 °C to +70 °C
Relative humidity:	Max. 90 %, noncondensing
Storage temperature:	-35 °C to +70 °C

**Conformity and standards**

EMC emission:	EN 55015
EMC immunity:	EN 61547
Safety:	EN 60950
Environment:	Complies with WEEE and RoHS directives



# LMS SE HE LIGHT OUTDOOR

**CODE: 5500735KR000**

The LMS SE HE LIGHT OUTDOOR Sensor, when used in conjunction with a Lighting Router based controls system, can provide energy savings by adjusting light levels based on the available daylight.

Mount the LMS SE HE LIGHT OUTDOOR to monitor the level of daylight. For instance, bright sunlight will raise the overall light level in the rooms of a building. The sensor will detect this, and the system will reduce the energy levels supplied to the lamps. If the day then becomes overcast, the system will respond to the lower levels of ambient light by increasing the energy provided to the lamps. By profiling the building (measuring the daylight contribution per room), the system can be used to maintain an approximate constant light level, and thereby reduce energy use. Is for mounting outdoors. The unit head assembly is waterproof when correctly installed and mounted vertically, and can tolerate a wide range of operating temperatures and conditions.

**Installation Notes**

- The unit is intended for wall mounting.
- Isolate the mains supply before installation.
- Cabling must be 230 VAC mains rated.
- Do not mount sensor in direct line of artificial light sources, e.g. lamps, uplighters.
- The unit must be mounted vertically, i.e. with the clear Sensor Head Cover pointing upwards. Any convenient surface may be used as long as the sensor element has a reasonably unrestricted view of the sky.
- To avoid the possible risk of lightning strikes, never install the external light sensor at the highest point on a building.

**Light level output**

The external light sensor is calibrated to provide a scaled light level output of 0 to 200 covering the full range of daylight. The sensitivity of the external light sensor is factory-set, and no adjustment is required.

**Light sensing angle**

Vertical plane: unrestricted viewing angle of 170°. Horizontal plane: 360° viewing angle.

**DIMENSIONS**

