

Light Sensor

59-LSC1400UK

Using our exclusive maintenance-free technology, the Audacy® Light Sensors wirelessly adjusts brightness to harvest maximum daylight.

How It Works

Put simply, the Audacy Light Sensors detect ambient light in a designated space and send measurements to your Audacy Wireless Gateway.

EVERYTHING's Under control

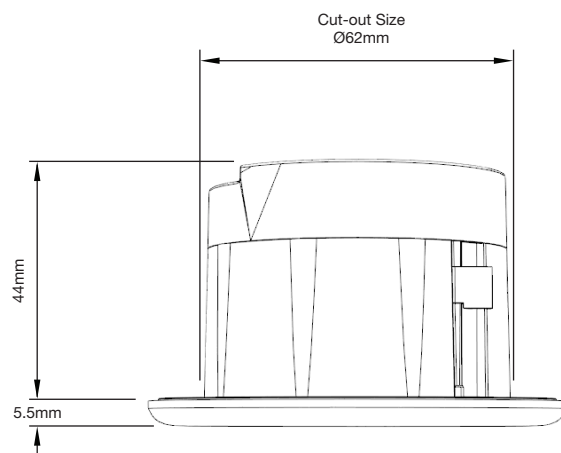
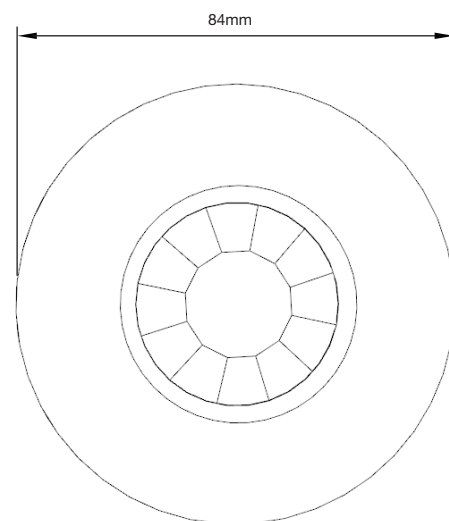
Your inputs to the Audacy Interface inform a system that determines which groups of light fixtures – equipped with Audacy Luminaire Controllers – dim or brighten based on ambient light throughout the day.

Simplicity is the rule

Wireless and simple to install almost anywhere, Audacy Light Sensors operate in the highly reliable 915 MHz spectrum. Light Sensors easily help facilitate compliance with the newest requirements.

Because Time Is Money

As with all Audacy Wireless Controls system components, the Audacy Light Sensors vastly reduce installation time and costs versus a typical wired system alternative. You even have the flexibility to place it anywhere you choose, because there are no wires to run.



The 59-LSC1400UK Light Sensor by CMD Ltd is a battery-powered, wireless light sensor that is part of the Audacity® Wireless Controls system. The 59-LSC1400UK is used to detect ambient light in a space, providing daylight harvesting capabilities. Operating in the highly reliable 915 MHz spectrum, the 59-LSC1400UK requires no wiring, has a 25-year battery life, and wirelessly sends ambient light measurements to the Audacity Wireless Gateway for closed-loop daylight harvesting operation. Since it is not hard-wired, the 59-LSC1400UK can be mounted virtually anywhere a light sensor is desired.

Specification

Item	Description
Radio Frequency Range	915.9 - 917.3 MHz, Internal Antenna
Wireless Protocol	Proprietary based on IEEE 802.15.4
Encryption	Proprietary based on AES encryption
Regulatory Approvals	ETSI EN 300 220-2 v3.1.1* and ETSI EN 300 220-1 v3.1.1*; EN 55015:2013+A1:2015, EN 61547:2009 and ETSI EN 301 489-3 v2.1.0* (ETSI EN 301 489-1 v2.1.1) - (See Annex A for further details)
Rated RF Power Output (W)	2 dBm short duration, utilising both frequency hopping and direct sequence spread spectrum
Transmit Range	30.5m indoors to Audacity Gateway or Luminaire Controller in typical commercial office building; extended range when repeater mode enabled
Power	25+ year Li battery, non-replaceable
Operating Temperature	10°C to 32°C
Light Level	0—2500 lux (0—232 fc)
Installation Environment	Indoor use only
Mounting	2 bracket mounting holes (See mechanical drawing for dimensions)
Colour	White
Dimensions	115.82mm x 58.17mm x 28.45mm
Weight	85g
Warranty	5 year
LVD Compliance	BS EN 61010-1 / IEC 61010-1
EMC Compliance	BS EN 55015, BS EN 61547 & ETSI EN 301 489-3 V2.1.0 (ETSI EN 301 489-1 V2.1.1)
Radio Compliance	ETSI EN 300 220-2 v3.1.1* and ETSI EN 300 220-1 v3.1.1

Code	Description
59-LSC1400UK	Audacity® Light Sensor