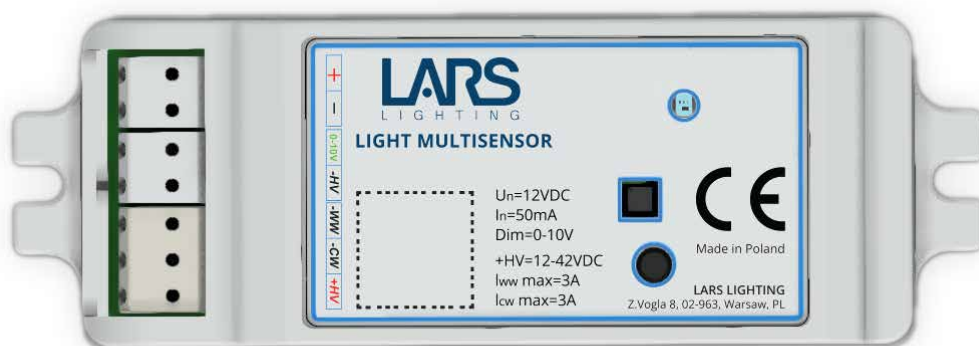




Lars Lighting LED INTELLIGENT SENSOR 5GHz

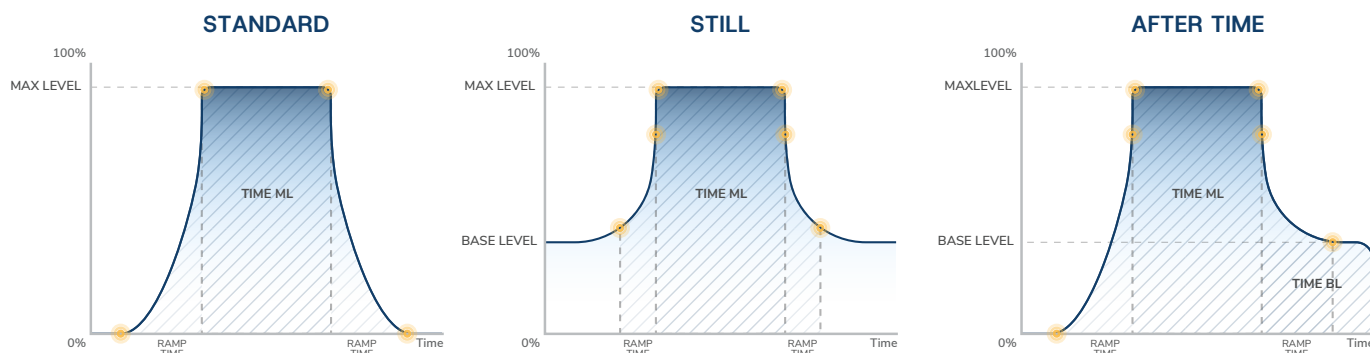
Compatible, luminaire controller

Plug-and-play upgrade for lamps compatible with full lamp management and feedback functionality.

Intelligent light sensor with dimming function with a built-in sensor for mixing natural and artificial light. Thanks to the unique solution of the ALS RGB and IR double light sensor, it can distinguish sunlight from artificial light, and the implemented algorithms allow for precise selection of the set light value. The sensor is equipped with a 5.8GHz radar. In addition to the precise motion detection function, it has a presence function. Advanced calibration and the ability to set sensitivity parameters for the motion detection and presence functions make the solution unique and very precise regardless of the working environment. The sensor is equipped with the latest generation processor with a communication layer in BLE technology and an algorithmic layer, where the manufacturer placed AI algorithms trained on neural networks.

The sensor allows you to control the light colors - CCT using an application or remote control in manual or automatic mode. (The luminaire must have the ability to manage light colors)

Based on many years of experience gathered from installers, the manufacturer has equipped the mobile application or remote control with functions that enable easy installation of the luminaire and large energy savings for end customers.



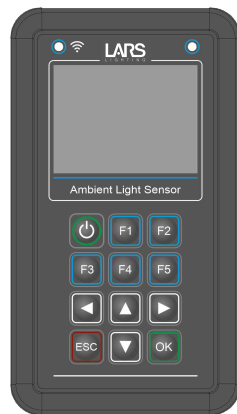
SENSOR TECHNICAL PARAMETERS

Lamp Type	D4i bus powered
Maximum lamp power	Depending on the lamp driver
Functions / Operation mode	on/off dimming, motion detection, static detection CCT(dali only), addjustment light harvesting
Dimming range	0%-100% (linear)
White Tunable (CCT suport)	yes
Motion Range	0-10m
Static Range	not
Control interface	D4I
Power supply	12VDC
External interface	BT
Supported frequencies	worldwide
Inter-node mesh communication	BLE Mesh
Firmware update	BLE
Security	SHA256 (BLE only), AES256 (BLE Mesh)
Average power consumption	0,5W/12V
Maximum power consumption	1W/12V
Real-time lamp operation	YES
Output	22V D4I
Light sensor	Integrated. ALS RGB,CCT, IR
Ingress protection	IP20
Operating temperature range	-30°C to +55°C
Mounting	Inside lamp

LUMINAIRES CONTROL

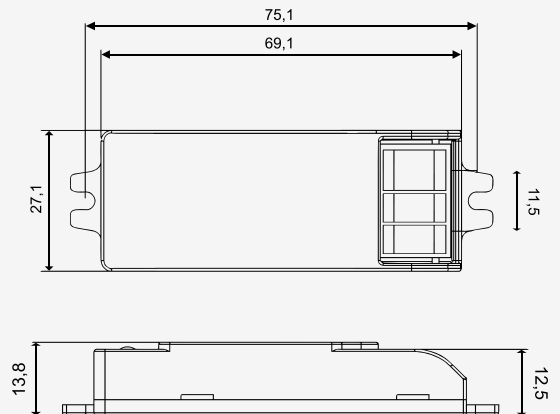


MOBILE APP



Remote Controller

DIMENSIONS



SENSOR TYPE

	LL-IU54G007	LL-IU54GCC7	LL-IU24G007	LL-IU24GCC7	LL-IU54G007-D4	LL-IU24G007-D4
Base	flat	flat	flat	flat	flat	flat
Control	0-10	0-10	0-10	0-10	D4I	D4I
Radar	5.8 GHz	5.8 GHz	24GHz GHz	24 GHz	5.8 GHz	24 GHz
GSM	-	-	-	-	-	-
LoRa	-	-	-	-	-	-
CCT	-	CCT	-	CCT	CCT	CCT