

The HPSV _ V3 is a smart lighting control solution for public, outdoor, and indoor lighting that enables the conversion of a conventional system into a connected intelligent lighting system.

For public and private lighting managers, this is a complete and effective solution that helps reduce lighting costs, pollution, and CO₂ emissions in cities.

Benefits for Your City

- ✓ Energy savings
- ✓ Reduced maintenance costs
- ✓ Reduction of light pollution and CO₂ emissions
- ✓ Allows remote monitoring and control of equipment
- ✓ Scalable network
- ✓ Radio communication



Main applications

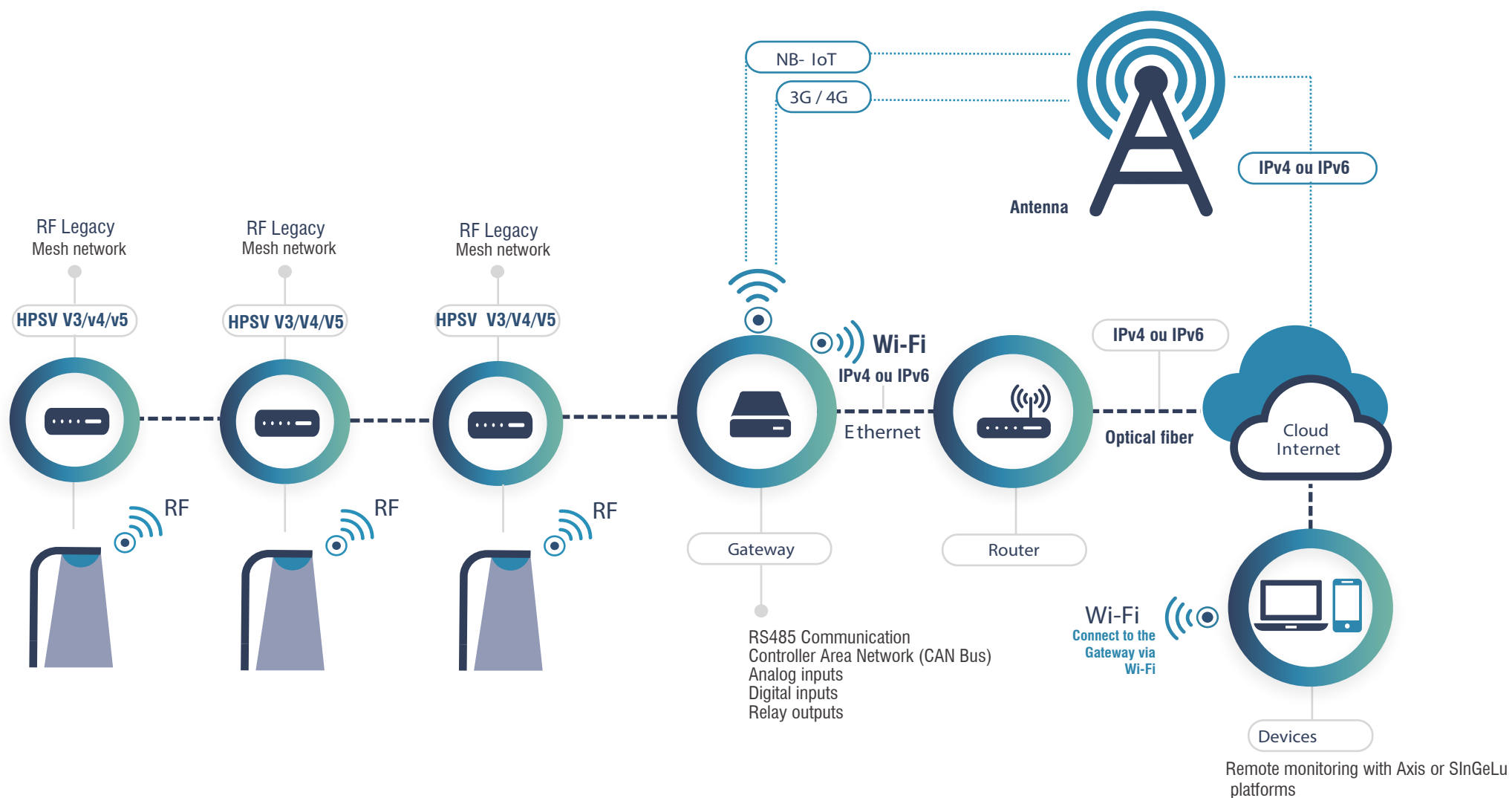
Outdoor lighting

Parking lots
Public squares
Roads
Pedestrian areas
Sports centers
Football stadiums



Indoor lighting

Residential buildings
Industrial buildings
Sports centers
Sports pavilions



Main features

- ✓ Version with astronomical clock available.
- ✓ External relay output for complete power cut downstream of the controller.
- ✓ The light flow level can be set manually and/or automatically through time profiles, motion sensors, and/or light sensors.
- ✓ Accelerometer for detecting falls, accidents, or instability.
- ✓ Light flow ramp function to properly adjust brightness at sunset.
- ✓ Radio communication using a mesh protocol over the ISM band, connected to a remote telematics platform through a unique serial number.
- ✓ Possibility of integration with the remote management platform SInGeLu and Axis.
- ✓ Power factor reading.
- ✓ Alarms for low power factor, voltage, temperature, and frequency—both high and low—optical block, and impact position.
- ✓ Information on accumulated energy consumption.
- ✓ Information on accumulated operating hours.
- ✓ Alarm for power-on during daytime.
- ✓ Alarm for lighting on during daytime.



HPSV_V3

Globaltronic
spreading technology

Hardware Technical specifications

Electrical specifications

Ta (operating temperature)	-10°C to 50°C
Input voltage	110 - 230 VAC
Frequency	50 / 60 Hz
Load type	LED / HID ballast luminaire
Standby power consumption	<1W
Electrical class	Class I
Antenna	External antenna (SMA connector type)
Compatibility	Conventional luminaires (HID, HPS) and LED luminaires with dimming control
Warranty	3-year warranty (typical), or otherwise as specified in declaration

RF communication

Frequency	868 MHz
Power transmission	100mW
Protocol	GLBT v5.5, or higher
Network topology	Mesh Wireless
Transmission speed	57.6 Kbs

Interfaces

Control protocols	0-10V, DALI, PWM
Relay output	Relay activation at 6 VDC < 250mW

Functionalities

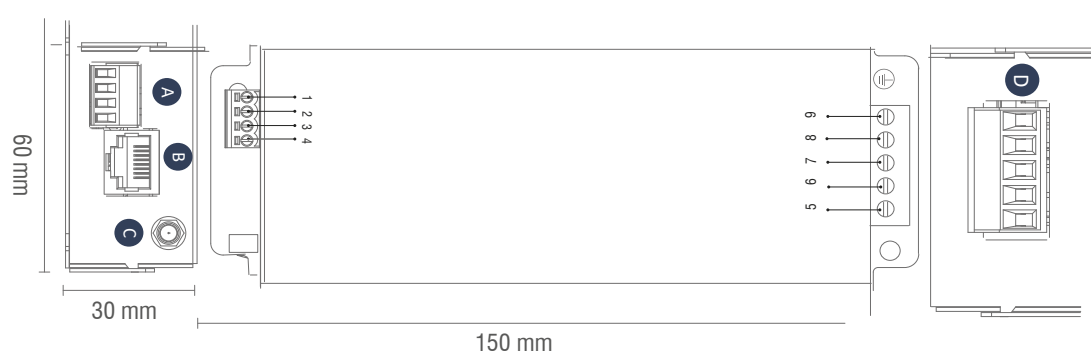
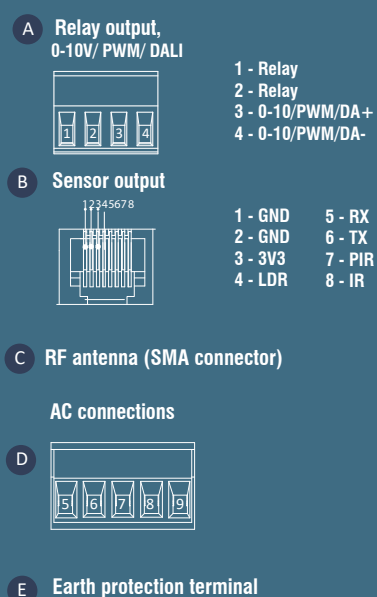
Real Time Clock Calendar	15 days of autonomy with supercapacitor
Light sensor	Globaltronic light sensor (external)
Motion sensor (PIR)	Digital 3.3 V - Globaltronic (external)
Temperature sensor	Yes (onboard)
Current sensor	Yes (onboard)
Accelerometer	Yes (onboard)
Remote monitoring	SinGeLu or Axis platform
Energy meter	Yes (onboard)

Mechanical

Dimensions	150 x 60 x 30 mm
Protection rating	IP 30
Enclosure (material)	Galvanized steel with epoxy paint

Technical drawing

Connection





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Talk to us and find out how this solution fits your needs!

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"Selective collection symbol for EEE – "Recycle the right way"

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