SensMotion
BY BUILDING ROBOTICS

As of November 2026
www.sensmotion.de

PRINTABLE WORKING AID · § 56 GMODG

Tender text: retrofit of automatic lighting control

Vendor-neutral specification as a template for a requirements document or bill of quantities. Adjust quantities and details to your building.

over 70 kW
Rated output of the heating, air-conditioning or combined ventilation system, per system

31 Dec 2029
Deadline for automatic lighting control

zoned
with occupancy detection, the rule under sentence 2

ITEM	DESCRIPTION	QTY	UNIT
1	**Site survey** On-site survey of existing lighting: luminaire types, quantities, mounting heights, drivers and interfaces (0-10 V, DALI, 12 V auxiliary output), use of areas, operating hours and daylight situation. Photo documentation of labels.		
2	**Sensor planning** Planning of sensor positions, zones, background light, hold times and daylight zones based on the floor plan and manufacturers' detection diagrams. Proof of coverage per room or zone. Presentation in advance, e.g. as a 3D simulation. Control shall be appropriately zoned and equipped with occupancy detection (§ 56(6) sentence 2 GModG).		
3	**High-bay presence sensors** Presence sensor for mounting heights ____ to ____ m, detection with suitable lens, daylight measurement, protection class at least IP ___, control 0-10 V or DALI or switching via relay, wirelessly networked. Make: _____ or equivalent.		
4	**Luminaire / room presence sensors** Presence sensor for mounting on or in the luminaire or on the ceiling, mounting height up to ____ m, daylight control, for rooms with quiet activity dual technology (e.g. PIR and ultrasonic). Make: _____ or equivalent.		
5	**LED luminaires with dimmable driver (optional)** Supply and installation of LED luminaires with a dimmable driver (0-10 V or DALI) to replace luminaires without a dimmable driver or older LED luminaires. Luminous flux ____ lm, efficacy at least ____ lm/W, protection class at least IP ___. Make: _____ or equivalent.		
6	**Wireless network and gateway** Networking of sensors and luminaires wirelessly without additional control cables, gateway(s) according to node count and range, encrypted communication.		
7	**Monitoring and interface** Recording of consumption, occupancy and operating hours per zone, analysis and provision of data via a common, freely configurable interface (e.g. BACnet/IP) for integration into building automation (cf. § 56(2) GModG).		

ITEM	DESCRIPTION	QTY	UNIT
8	**Installation and commissioning** Installation during operation in sections, parameterisation, function test per zone, commissioning record per device (address, zone, test result).		
9	**Handover and documentation** Training of operating staff, handover of zone plan, settings, records and datasheets, access to the operating app.		
10	**Proof of savings (optional)** Before/after comparison over comparable periods based on monitoring data, report with savings in kWh and per cent.		
11	**Maintenance and energy management (optional)** Remote maintenance, adjustment of settings when use changes, device replacement, regular savings report. Term: ____ years.		

Questions about your building?

Send us a photo of the rating plate and the rated output of your system. You will receive a first assessment.

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General working aid, not legal advice. The legal text (BGBl. 2026 I No. 226) is authoritative. SensMotion is a brand of Building Robotics Europe GmbH & Co. KG, Zum Frischemarkt 4, 04158 Leipzig.