# EnOcean Equipment Profiles

## REVISION HISTORY

| Ver. | Editor | Change | Date |
|---|---|---|---|
| 2.6.8 | NM | Last xml edition of the EEP-Specification | Dec 31, 2017 |

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# A5-06: Light Sensor

| RORG | A5 | 4BS Telegram |
|------|-----|--------------|
| FUNC | 06 | Light Sensor |
| TYPE | 04 | Curtain Wall Brightness Sensor |

*Submitter: Echoflex Solutions*

Description
This EEP is intended for use with wireless daylight sensors, who communicate exterior light levels back to a blind controller.

Data exchange
Direction: unidirectional
Addressing: broadcast
Communication trigger: time-triggered and upon lux sensor reading change of more than a few percent
Communication interval: A telegram is transmitted every 1 minute in "day mode" and every 1 hour in "night mode". If the measured light is below a certain threshold for several minutes the sensor goes to night mode.
Trigger event: Heartbeat, change of lux reading
Tx delay: -
Rx timeout: -

Teach-in
Teach-in method: 4BS teach-in 2

Security
Encryption supported: no
Security level format: -

| Offset | Size | Bitrange | Data | ShortCut | Description | Valid Range | Scale | Unit |
|--------|------|----------|------|----------|-------------|-------------|-------|------|
| 0 | 8 | DB3.7...DB3.0 | Temperature | TEMP | Ambient Temperature | 0...255 | -20...+60 | °C |
| 8 | 16 | DB2.7...DB1.0 | Illuminance | ILL | Illuminance (linear) | 0...65535 | 0...65535 | lx |
| 24 | 4 | DB0.7...DB0.4 | Energy Storage | SV | Energy Storage | 0...15 | 0...100 | % |
| 28 | 1 | DB0.3 | LRN Bit | LRNB | LRN Bit | Enum: | | |
| | | | | | | 0: Teach-in telegram | | |
| | | | | | | 1: Data telegram | | |
| 29 | 1 | DB0.2 | Not Used (= 0) | | | | | |
| 30 | 1 | DB0.1 | Temperature Availability | TMPAV | Valid temperature data available on DB3 | Enum: | | |
| | | | | | | 0: Temperature data is unavailable | | |
| | | | | | | 1: Temperature data is available | | |
| 31 | 1 | DB0.0 | Energy Storage Availability | ENAV | Valid energy storage data available on DB0 | Enum: | | |
| | | | | | | 0: Energy storage data is unavailable | | |
| | | | | | | 1: Energy storage data is available | | |