

# Product data sheet

## Brightness controller mini



### Reference number

2096 LUX

### KNX brightness controller mini

#### with integrated BCU

ETS product family: Physical sensors

Product type: Brightness

### Intended use

- Measurement and control of lighting in interiors or in protected exteriors
- Clamp mounting in suspended ceilings
- Ceiling installation on fixed ceilings in flush box with dimensions according to DIN 49073 with flush mounting set (ref.-no.: PMM-UP-SET-WW)
- Surface-mounted ceiling installation with surface mounting set (ref.-no.: PMM-AP-SET-WW)

### Product characteristics

- Asymmetrical measuring surface
- Integrated bus coupling unit
- Integrated brightness sensor
- Brightness sensor function with 3 limiting values
- Brightness limiting values (3 channels) with output functions switching, value transmitter and scene extension
- Light control with max. 3 channels, setpoint adjustment in operation, separate configuration of dimming-up, control and dimming-down phase
- On-off control possible for switch actuators
- Power supply via bus voltage

### Technical data

|                                                          |                                 |
|----------------------------------------------------------|---------------------------------|
| KNX medium:                                              | TP 256                          |
| Rated voltage KNX:                                       | DC 21 ... 32 V SELV             |
| Current consumption KNX:                                 | max. 10 mA                      |
| Connection, KNX:                                         | connection terminal             |
| Protection class:                                        | III                             |
| Ambient temperature:                                     | -25 ... +55 °C                  |
| Stora/transport temperature:                             | -25 ... +70 °C                  |
| Relative humidity:                                       | 10 ... 100 % (no condensation)  |
| Degree of protection:                                    | IP44                            |
| Ceiling cut-out (Ø x D):                                 | 44 x 35 mm                      |
| Dimensions (Ø x H):                                      | 53.5 x 38 mm (with design ring) |
| Max. thickness of the suspended ceiling:                 | approx. 25 mm                   |
| Installation depth:                                      | min. 35 mm                      |
| Distance between concrete ceiling and suspended ceiling: | min. 20 mm                      |
| Design ring Ø inside:                                    | 36.6 mm                         |
| Design ring Ø outside:                                   | 53.5 mm                         |
| Height above surface, design ring:                       | 3 mm                            |
| Height above surface, lens:                              | 5.5 mm                          |
| Brightness measurement                                   |                                 |

|                     |                 |
|---------------------|-----------------|
| Measuring range:    | 10 ... 2,000 lx |
| Accuracy (> 80 lx): | ± 5 %           |
| Accuracy (≤ 80 lx): | ± 10 lx         |

**Colour:**  
white

 Degree of protection IP44 is ensured.