

## **HF DIM MICO**

1-10V-Lightsensor for installation  
in luminaires

## **Technical**

Information

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subject to alteration

### **Product description:**

The new miniature light sensor HF DIM MICO for QUICKTRONIC® DIMMABLE is more than just a light sensor for constant light control. The miniature light sensor has got the control function built in already. The dimming range of the ECG can be used to full extent and so the biggest possible energy saving can be achieved. An additional control unit or signal amplifier are not necessary.

HF DIM MICO needs no voltage supply to operate, the control voltage of the ECG is sufficient. The miniature light sensor is connected directly with the 1-10V control terminal of the DIMMABLE ECG with its two-pole connection cable. For an exact and continuous regulation of the lighting level a trimm-potentiometer is added on the side.

The miniature light sensor does more than just control its "own" luminaire. Despite its size, it is strong enough to take on up to 100 QUICKTRONIC® DIMMABLE. So it eliminates the biggest weakness of single luminaire regulation, the impression of uneven brightness on the ceiling.

The housing designed for single-hole mounting allows various installation possibilities. HF DIM MICO is delivered with a mounting clamp (mounting clamp can be removed), so it can just be clipped directly on the fluorescent lamp (linear lamp T8 or DULUX L).

## Technical Data:

|   |  |
|---|--|
| Reference:                                      | HF DIM MICO                                      |
| Measures:                                       | see diagrams                                     |
| Weight:   | 100 g (incl. fixing clip)                        |
| Temperature range:                              | 0°C to +45°C                                     |
| Control line                                    | + brown<br>- white                               |
| Cable length                                    | 80 cm cable                                      |
| Dimming range:                                  | 15-800 Lux (illuminance at the light sensor)     |
| Sensor angle:                                   | 90°  |
| Max. permitted cable length (HF DIM MICO — EVG) | 50 m   |
| Mains voltage:                                  | 1-10V  |
| Class:  | IP20   |
| Regulation and load terminals:                  | see connection diagrams                          |
| Regulating time of the control exit:            | ca. 20 seconds (depending on control difference) |
| Max. load of the control exit:                  | 50 mA (ca. 100 ECG)                              |

## Installation reference:

- The light sensor should be mounted in the room in a way that it senses artificial light and day light as a mixture.
- The light sensor should be mounted in a way that objects / passing people do not affect the light sensing, that means
  - do not mount directly near windows (min. angle towards the window 40°,  $l > 0.8 h$ , see diagram)
  - the "eye" of the light sensor should not be exposed directly to the light of the luminaires.
  - do not mount in a passage area (hallways, doors or passage ways)
- Adjusting of the light sensor in artificial lighting only (at night).
- Wrong connection of + and - has the effect that the light is regulated in the lowest dimming position. (ECG will not be damaged).

