

PHILIPS

Application bundles



Corridor

Combine an LED luminaire with an intelligent control for maximum performance and savings

Up to
75%
energy savings



Your Corridor application bundle:
CoreLine Downlight LED20S & Presence detector LRM1011

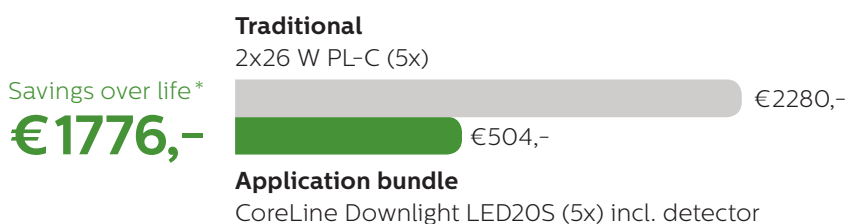
Corridor lighting insights

Corridors are important spaces in their own right: in a building, they connect all the work areas, offices, meeting rooms, restaurants etc.

Corridor lighting needs to facilitate the movement of people. It must provide a clear view, without consuming more energy than needed. Philips LED lighting for corridors was developed to deliver clear, instant-on light, while significantly reducing energy costs up to 75% when combined with intelligent detectors.



More info:
www.philips.com/applicationbundles



* Based on the European average of 12 cent/kW hours (including maintenance and lamp replacement cost) and the lighting design for this application bundle.

Bundle benefits

CoreLine Downlight LED20S



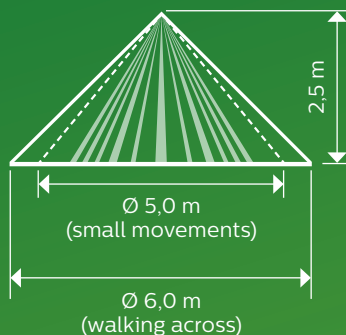
- Replacing compact fluorescent
- Energy saving

Presence detector LRM1011



- Automatic switches off light when not required
- Small, unobtrusive sensor

Detection coverage diagram



Bundle specifications

CoreLine Downlight LED20S

| | | |
|--|--|--------|
| Type | DN125B LED20S/830 PSR WH DN125B LED20S/840 PSR WH | |
| Power | 24 W | |
| Luminous Flux | 2000 lm | |
| Color temperature | 3000 K, 4000 K | |
| Color Render Index | ≥ 80 | |
| Lifetime | 50,000 hours | |
| Number of luminaires on MCB 16A type B | ≤ 15 | |
| Ordering (EOC) code | 29489699 | 3000 K |
| | 29490299 | 4000 K |
| Cut-out diameter | 200 mm | |

Presence detector LRM1011

| | |
|-------------------------------------|------------------------------|
| Detecting range at 2 - 5 m height | Ø 6 - 11 m |
| Recommended mounting height | 2 m - 5 m |
| Switch off delay | 10 sec. - 30 min. in 6 steps |
| Number of luminaires on one control | ≤ 15 |
| Cut-out diameter | 36 mm |
| Ordering (EOC) code | 44209800 |

Lighting design insights

Brightness

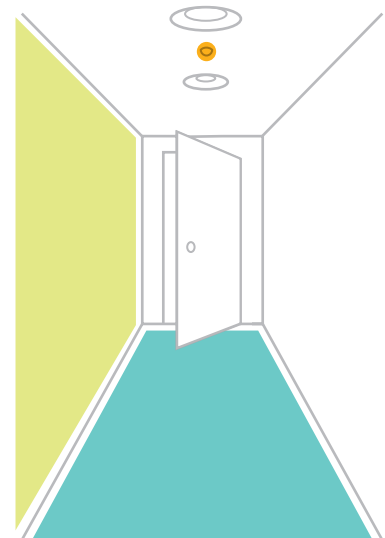
Corridors are confined spaces. Use wide light beams to create a sufficiently bright environment and good vertical illuminance. By providing sufficient light on doors and walls, occupants are guided through the corridor.

Controls

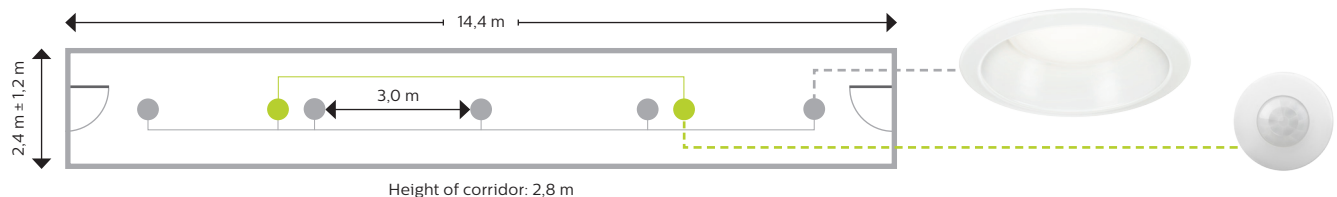
When placing presence detectors consider entrances and exits to avoid going into a dark corridor.

Illuminance requirements

EN12464-1 requirement at floor ≥ 100 lux. Higher levels increase feeling of comfort & safety.



Lighting design corridor



| Luminaire types | # Lum. | Em [lux] | Sys. Power | Installed Power | W/m2 | W/m2/100lux |
|-----------------------------------|--------|----------|------------|-----------------|------|-------------|
| Conventional PLC 2x26 W downlight | 5 | 158 | 65,6 W | 328 W | 9,5 | 6,0 |
| CoreLine Downlight LED20S | 5 | 157 | 24 W | 120 W | 3,3 | 2,1 |