



# Corridor

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

Up to  
**75%**  
energy savings

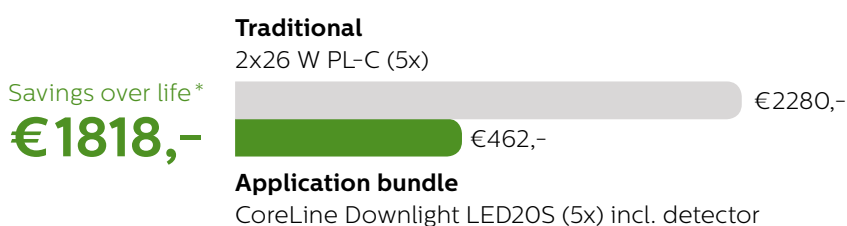


**Your Corridor application bundle:**  
CoreLine Downlight LED20S & Presence detector LRM1011

## 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.



\* 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



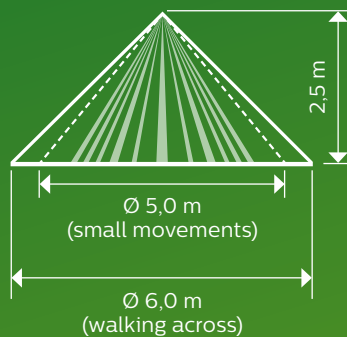
- Replacing compact fluorescent
- Energy saving

### Presence detector LRM1011



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

#### Detection coverage diagram



## Bundle specifications

### CoreLine Downlight LED20S

Type	DN130B LED20S/830 PSU PI6 WH
	DN130B LED20S/840 PSU PI6 WH
Power	22 W
Luminous Flux	2100 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	85224800 3000 K
	85271200 4000 K
Cut-out diameter	200 - 205 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

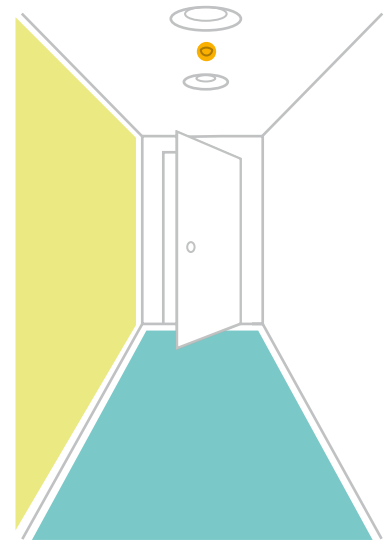
Corridors are confined spaces. Use wide light beams to create a sufficiently bright environment and good vertical illuminance. By providing sufficient light on doors and walls, occupants are guided through the corridor.

#### Controls

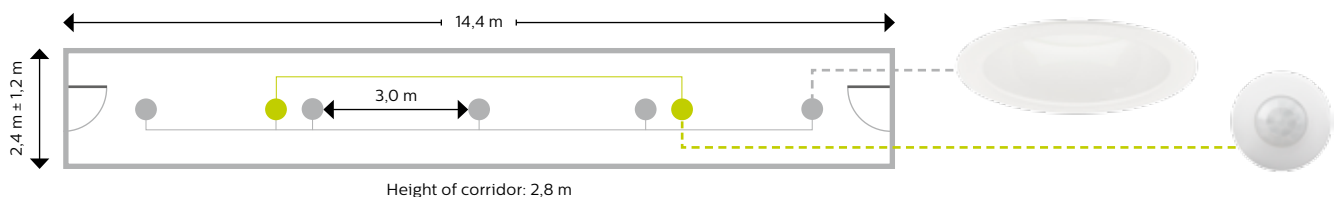
When placing presence detectors consider entrances and exits to avoid going into a dark corridor.

#### 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
<b>CoreLine Downlight LED20S</b>	<b>5</b>	<b>157</b>	<b>22 W</b>	<b>110 W</b>	<b>3,2</b>	<b>2,1</b>