

**PHILIPS**

Application bundles



# Small car park

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

Up to  
**80%**  
energy savings



**Your Small car park application bundle:**  
CoreLine Waterproof LED40S & Movement detector LRM1040

## Small car park lighting insights

Car parks are functional spaces; you go there only to drive in or out. And you always want a car park to be safe and easily accessible.

In a large but confined space like a car park, it is most important that people can find their way quickly and safely - whether they are walking or driving. That means bright, instant-on lighting with no dark spaces. But as the lights are always on, energy savings and minimal maintenance are also paramount.



More info:  
[www.philips.com/applicationbundles](http://www.philips.com/applicationbundles)

### Traditional

Conventional waterproof 2x36 W TLD (9x)

Savings over life\*  
**€3518,-**

€4182,-

€664,-

### Application bundle

CoreLine Waterproof LED40S (9x) incl. detector

\* 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 Waterproof LED40S



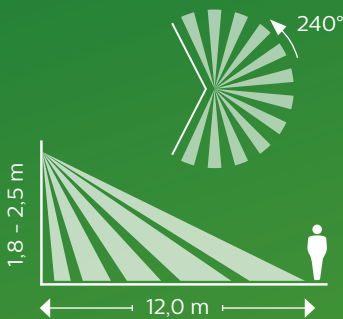
- Replacing conventional TL-D
- Energy saving

### Movement detector LRM1040



- Daylight override prevents switch on if enough daylight is available
- Turns off lighting when not required
- IP54

### Detection coverage diagram



## Bundle specifications

### CoreLine Waterproof LED40S

Type	WT120C LED40S/840 PSU L1200
Power	41 W
Luminous Flux	4000 lm
Color temperature	4000 K
Color Render Index	≥ 80
Lifetime	50,000 hours
Number of luminaires on MCB 16A type B	≤ 24
Ordering (EOC) code	84048000

### Movement detector LRM1040

Detecting range at 2,5 m height	12 m
Recommended mounting height	1,8 - 2,5 m (wall mounting)
Switch off delay	5 sec. - 12 min.
Number of luminaires on one control	≤ 24
Ordering (EOC) code	22573700

## Lighting design insights

### Face recognition

Enhance comfort and safety by using wide light beams. This increases the uniformity and the vertical illuminance which helps to illuminate faces.

### Guidance

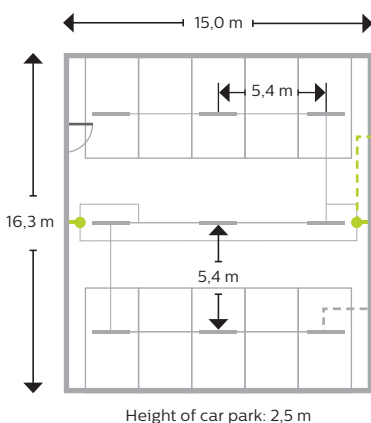
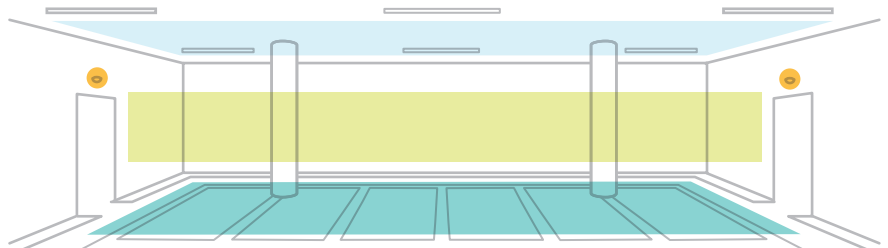
Place the luminaires in reference to the lanes and parking lots so they can support guidance through the car park.

### Illuminance requirements

EN12464-1 requirement at floor ≤ 75 lux. Higher values increase feeling of safety.

### Controls

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



## Lighting design small car park



### Luminaire types

Conventional Waterproof 2xTLD 36 W

CoreLine Waterproof LED40S

# Lum.	Em [lux]	Sys. Power	Installed Power	W/m2	W/m2/100lux
9	101	72 W	648 W	2,7	2,6
9	111	41 W	369 W	1,5	1,4