

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.

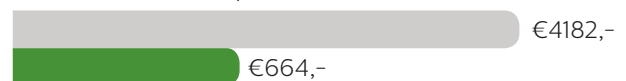


More info:
www.philips.com/coreline

Traditional

Conventional waterproof 2x36 W TLD (9x)

Savings over life*
€3518,-



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



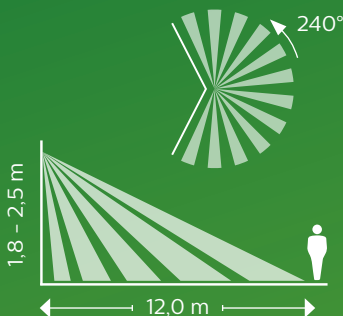
- Replacing conventional TL-D
- Energy saving

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

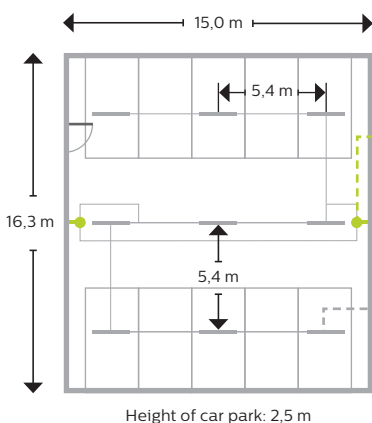
Place the luminaires in reference to the lanes and parking lots so they can support guidance through the car park.

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