PHILIPS

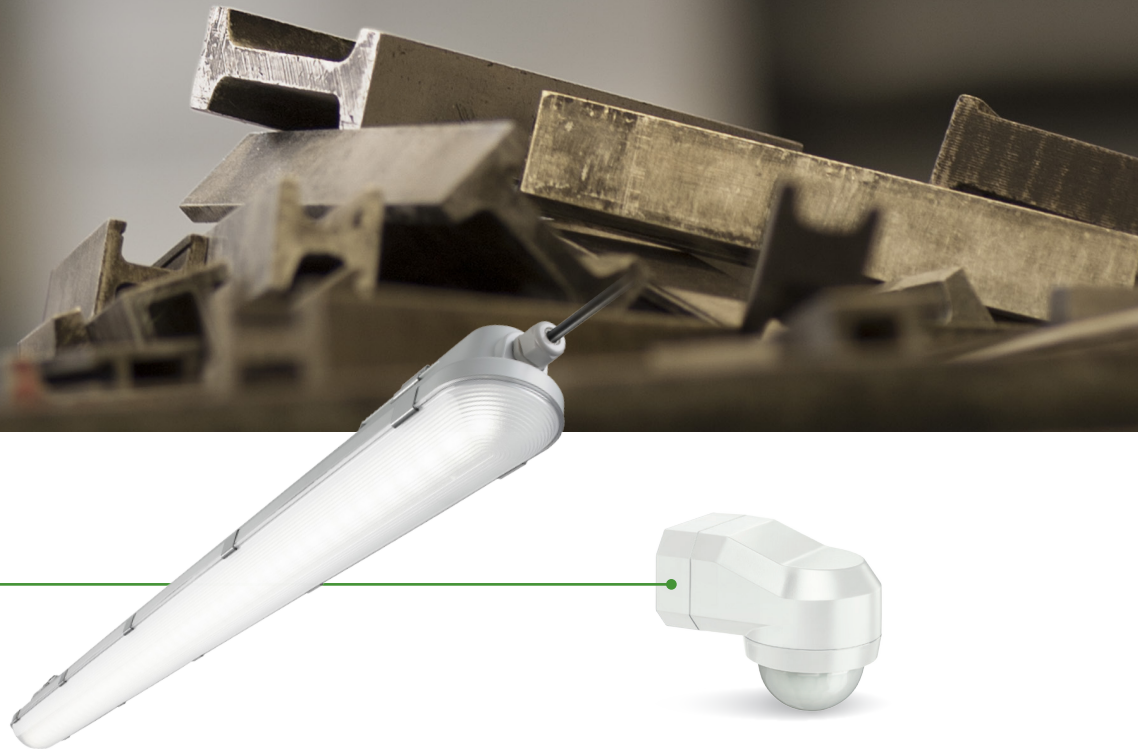**Application bundles**

Industry

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

Up to 65% energy savings

Your Industry application bundle:
CoreLine Waterproof LED60S & Movement detector LRM1040

Industry lighting insights

There is work to be done, and the workspace is big, with people and goods moving in and out. Here, productivity and safety must go hand in hand.

Industrial applications require effective lighting on a large scale, which means that low energy consumption and low maintenance are a must. But the lighting also needs to create a clear, safe and pleasant environment. With Philips lighting controls, the light switches off whenever the space is not being used, for extra savings.

Traditional
Conventional waterproof 2x58 W TLD (16x)

Savings over life*
£6232‐

£9283‐

£3049‐

Application bundle
CoreLine Waterproof LED60S (16x) incl. detector

*Based on the UK average of 10p/kW hours (including maintenance and lamp replacement cost) and the lighting design for this application bundle.

LED

More info:
www.philips.co.uk/coreline

Bundle benefits

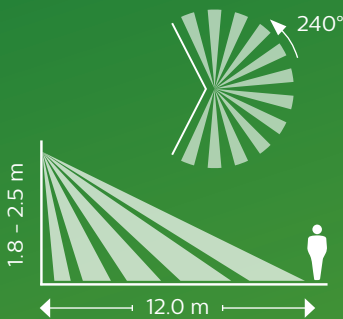## CoreLine Waterproof LED60S

- Replacing conventional TL-D
- Energy saving
- 3-year warranty

Movement detector LRM1040

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

Detection coverage diagram

240°

1.8 – 2.5 m

12.0 m

Bundle specifications

CoreLine Waterproof LED60S

Type	WT120C LED60S/840 PSU L1500
Power	57 W
Luminous Flux	6000 lm
Colour temperature	4000 K
Colour Render Index	≥ 80
Lifetime	50,000 hours (L70B50)
Number of luminaires on MCB 16A type B	≤ 24
Ordering (EOC) code	84049700
	Also available in emergency

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

Uniformity
Use wide light beams in order to increase uniformity. High uniformity contributes to a comfortable workplace without disturbing shadows.
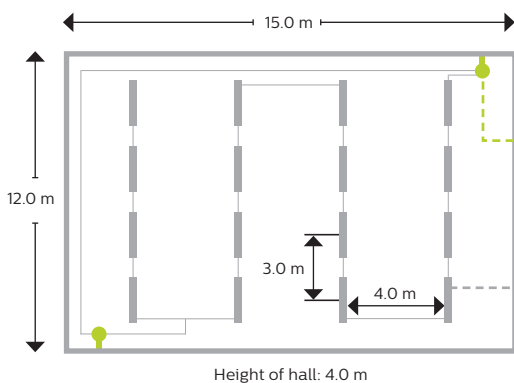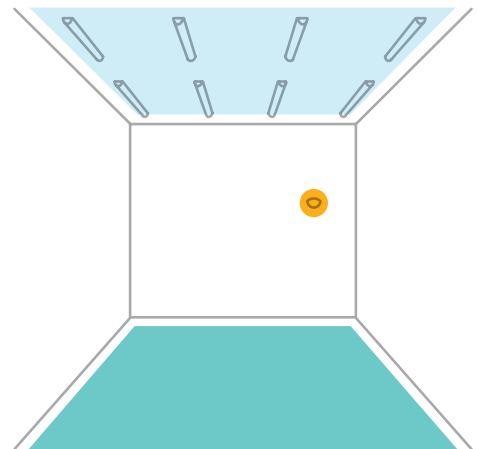
Controls
When placing a presence detector consider entrances and exits to avoid going into a dark area. Also take into account high furniture and machinery. These can block the detection zone.

Illuminance requirements
EN12464-1 requirement at task ≥ 300 lux for general machinery work. Higher levels increase visibility.

Waterproof luminaires
Many industrial environments are wet or dusty. Use waterproof luminaires for safe and reliable lighting.

Lighting design industry

15.0 m

12.0 m

3.0 m

4.0 m

Height of hall: 4.0 m

Luminaire types	# Lum.	Em [lux]	Sys. Power	Installed Power	W/m2	W/m2/100lux
Conventional waterproof 2xTLD 58 W	16	336	110 W	1760 W	9.8	2.9
CoreLine Waterproof LED60S	**16**	**328**	**57 W**	**928 W**	**5.2**	**1.6**