

**PHILIPS**

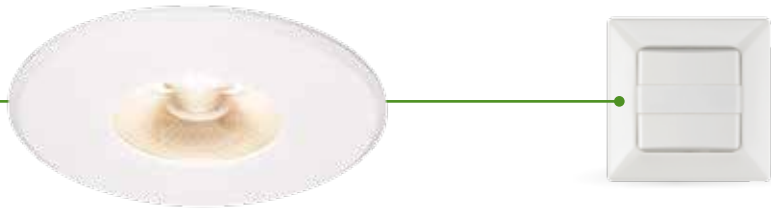
Application bundles



# Restroom

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

Up to  
**90%**  
energy savings



**Your Restroom application bundle:**  
CoreLine Recessed Spot & Movement detector LRM1032

## Restroom lighting insights

Restrooms are small spaces with that are sometimes slippery. So you want to be able to see well at all times.

When entering a restroom area, you shouldn't have to look for the light switch or wait for the light to gain its full strength. Philips waterproof luminaires and intelligent sensors make sure the light switches on as soon as you need it and off again when you leave, for extra convenience and substantial energy savings.



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

### Traditional

Conventional 50 W Halogen (6x)

Savings over life\*

**€3978,-**

€4176,-

€198,-

### Application bundle

CoreLine Recessed Spot (6x) incl. movement detector

\* Based on European average of 12 cent/kW hours including maintenance and lamp replacement cost.

## Bundle benefits

### CoreLine Recessed Spot



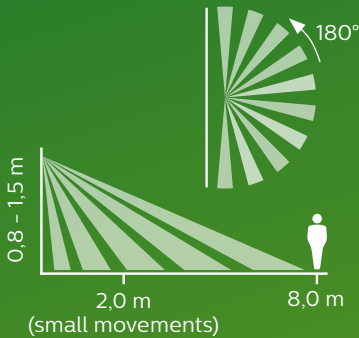
- Replacing conventional 50 W halogen lamps
- Water resistant up to IP54
- Slim design fits most ceiling types

### Movement detector LRM1032



- Movement detector unit replaces traditional light switch
- Turns off lighting when not required

### Detection coverage diagram



## Bundle specifications

### CoreLine Recessed Spot

Type	RS140B LED6-32-/830 PSR PI6 WH
	RS140B LED6-32-/840 PSR PI6 WH
Power	11 W
Luminous Flux	650 lm
IP rating	IP54
Color temperature	3000 K, 4000 K
Color Render Index	≥ 85
Lifetime	50,000 hours
Number of luminaires on MCB 16A type B	≤ 40
Ordering (EOC) code	06898499 3000 K
	06899199 4000 K

### Movement detector LRM1032

Detecting range at 0,8 - 1,5 m height	8 m
Recommended mounting height	1,2 m
Switch off delay	10 sec. - 30 min. (10 settings)
Number of luminaires on one control	≤ 10
Ordering (EOC) code	44225800 LRM1032 3w
	44227200 LRM1032 2w (retrofit)

## Lighting design insights

### Illuminance

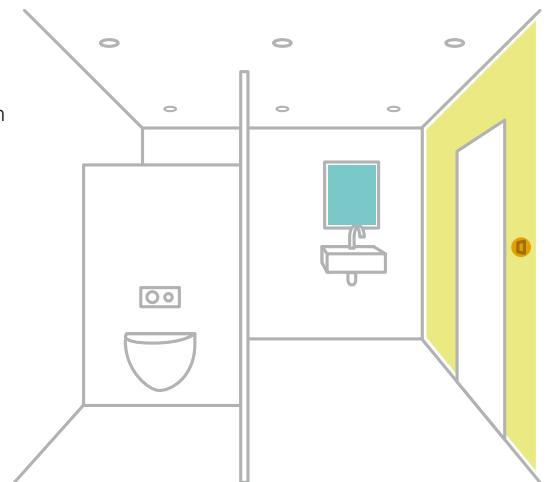
In these small spaces, light all surfaces sufficiently to make the space feel larger. EN12464-1 norm requires ≥ 100 lux for restrooms.

### Controls

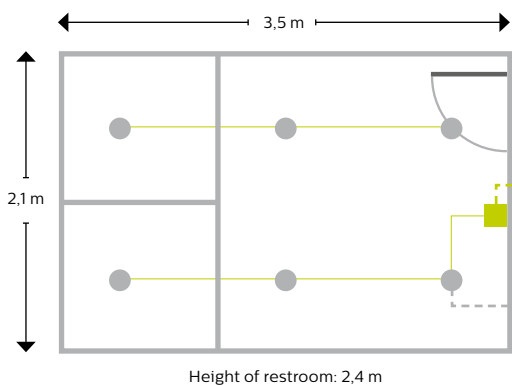
Apply a wall sensor to easily integrate the control with existing installations.

### Mirror

Place luminaires next to a mirror, optimizing the amount of light and shadows.



## Lighting design restroom



Luminaire types	# Lum.	Em [lux]	Sys. Power	Installed Power	W/m2	W/m2/100lux
Conventional 50 W Halogen Spot	6	350	300 W	50 W	40,8	11,6
<b>CoreLine Recessed Spot</b>	<b>6</b>	<b>340</b>	<b>66 W</b>	<b>11 W</b>	<b>8,9</b>	<b>2,6</b>