

# Castor – The magic of light

## A lighting tool for pathways and squares

The Castor bollard luminaire visually connects paths and squares outdoors: two light distributions and three construction sizes enable nuanced lighting designs with just a single luminaire range. Its innovative optical system with ring-shaped lens creates either light distribution aligned at 180° to one side for paths, or 360° light distribution for open areas. The Castor lighting technology is designed for uniform illumination in both of these applications. Luminaire spacing of up to 10m is possible without compromises in terms of glare control. ERCO Dark Sky technology prevents emission of light above the horizontal. Good visual

conditions for passers-by and vehicle drivers is ensured thanks to the concealed optic.





## Structure and characteristics

The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

### 1 ERCO light guiding ring

- Made of optical polymer

### 2 ERCO LED-module

- High-power LEDs: warm white (3000K) or neutral white (4000K)

### 3 Anti-glare cone

- Corrosion-resistant cast aluminium, No-Rinse surface treatment
- Double powder-coated and black lacquered.
- Glare-free above the light aperture

### 4 Upper cover

- Corrosion-resistant cast aluminium, No-Rinse surface treatment
- Graphit m, double powder-coated

### 5 Bollard

- Graphit m
- Corrosion-resistant aluminium profile, No-Rinse surface treatment
- Double powder-coated
- Optimised surface for reduced accumulation of dirt

### 6 Control gear

- Switchable or DALI dimmable

### 7 Base plate

- For mounting on accessories
- Mounting accessories to be ordered separately

### Protection mode IP65

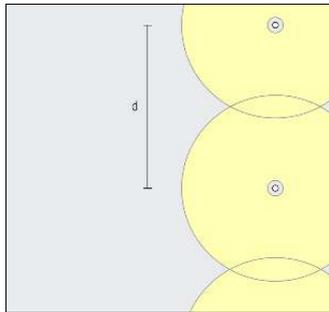
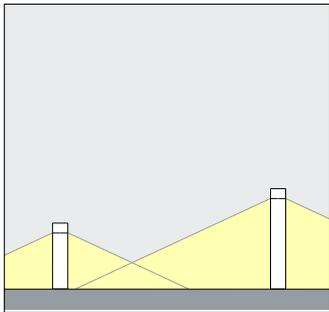
### Variants on request

- High-power LEDs: 3000K CRI 97 or 2700K, 3500K with CRI 92
  - Housing: 10,000 further colours
- Please contact your ERCO consultant.



Design and application:  
[www.erco.com/castor](http://www.erco.com/castor)

# Castor Bollard luminaires



## Various construction sizes

The luminaires in the ERCO product range cover a wide variety of lumen categories and therefore offer an appropriate solution for a large number of lighting tasks.

## Large luminaire spacing for open area lighting

For floor washlights with wide radial light distribution, luminaire spacing ( $d$ ) of up to 10m are possible. Even larger spacing can be selected to support visual guidance.

### Special characteristics



Various construction sizes



Large luminaire spacing possible



ERCO high-power LEDs



Dark Sky technology



Different light colours



Excellent thermal management



EMC-optimised



Safety class II



Protection mode IP65



Accessory for mounting variants



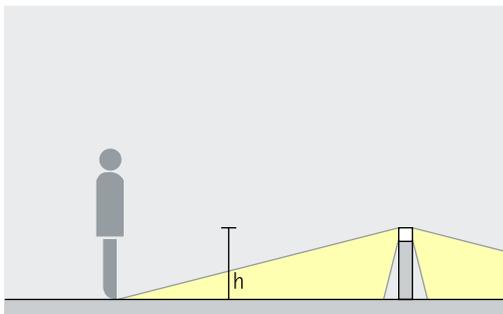
Switchable



DALI dimmable

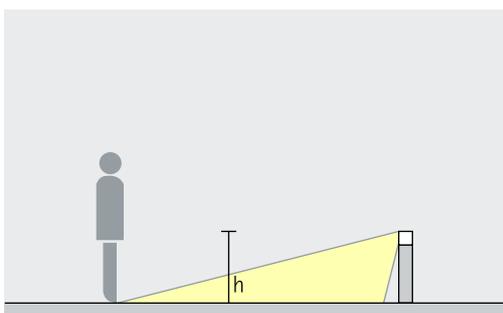
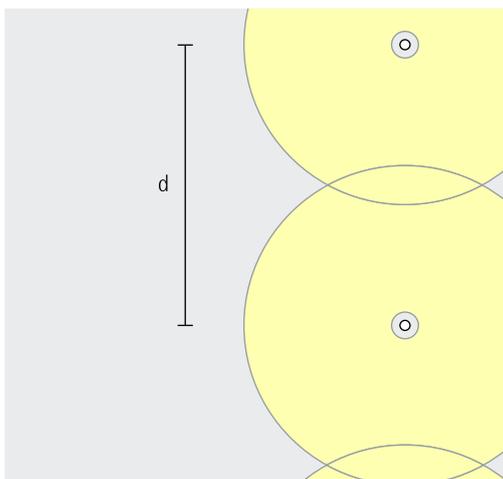
# Castor Bollard luminaires – Luminaire arrangement

Floor washlights  
Wide beam, Radial beam (360°)



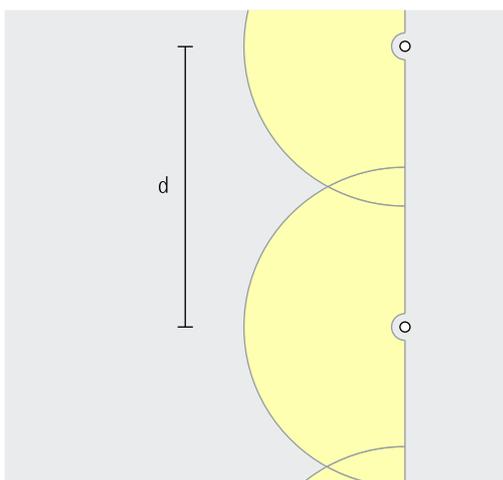
The 360° light emission of Castor bollard luminaires lends itself to the uniform illumination of squares and open areas. The spacing (d) between two luminaires ( $h \geq 800$  mm) may be up to 10m. Other distances can be selected to support optical guidance

Arrangement:  $d \leq 10$ m



Castor bollard luminaires with 180° wide light distribution ( $h \geq 800$  mm) enable uniform path lighting with luminaire spacings (d) of up to 8m. Other distances can be selected to support optical guidance.

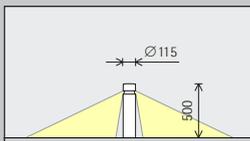
Arrangement:  $d \leq 8$ m





# Castor Bollard luminaires

Construction size 500mm / Ø 115mm



LED module  
Maximum value  
at 4000K CRI 92

16.2W/2298lm

Light colour

	2700K CRI 92 *		3500K CRI 92 *
	3000K CRI 92		4000K CRI 92
	3000K CRI 97 *		

Light distribution

Floor washlights	
	Wide beam
	Radial beam (360°)

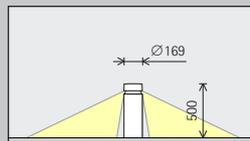
Control

	Switchable
	DALI

Colour (housing)

	Graphit m
	10,000 colours *

500mm / Ø 169mm



24.3W/3446lm

2700K CRI 92 \*

3500K CRI 92 \*

3000K CRI 92

4000K CRI 92

3000K CRI 97 \*

Floor washlights

Wide beam

Radial beam (360°)

Switchable

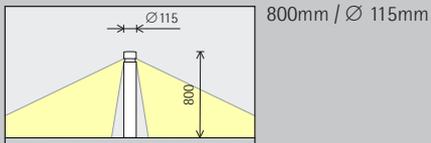
DALI

Graphit m

10,000 colours \*

Accessories

	Distribution box		Concrete anchor
	Anchorage unit		Mounting plate



800mm / Ø 115mm

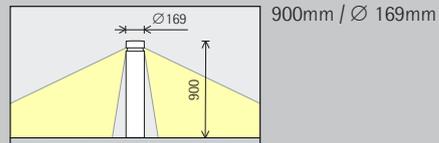
16.2W/2298lm

	2700K CRI 92 *		3500K CRI 92 *
	3000K CRI 92		4000K CRI 92
	3000K CRI 97 *		

Floor washlights	
	Wide beam
	Radial beam (360°)

	Switchable
	DALI

	Graphit m
	10,000 colours *



900mm / Ø 169mm

24.3W/3446lm

	2700K CRI 92 *		3500K CRI 92 *
	3000K CRI 92		4000K CRI 92
	3000K CRI 97 *		

Floor washlights	
	Wide beam
	Radial beam (360°)

	Switchable
	DALI

	Graphit m
	10,000 colours *

\* available on request





Sartorius AG,  
Göttingen.  
Architecture:  
Bünemann &  
Collegen GmbH,  
Hanover. Lighting  
design: Studio  
DL, Hildesheim.  
Photography:  
Dirk-André Betz  
/ Kaffee, Milch &  
Zucker, Scheller-  
ten.