



Parscan – Systematic diversity

The elegant and universal spotlight system for museums and shops

Light, not luminaires—this is the foundation on which the sleek, cylindrical shape of Parscan is modelled. Different lighting solutions can be implemented efficiently thanks to precise and flexible photometrics. If the spotlight is directed vertically downwards as a downlight, the support bracket merges into the cylindrical shape. With its black housing, compact shape and a luminaire head that barely swivels out when rotated or tilted, the Parscan is also ideal for

mounting in ceiling channels. The excellent glare control enhances visual comfort even in challenging lighting situations. Displaying a minimalist design, the luminaire appears unobtrusive in museums, shops or places of worship.

Parscan for 2-circuit track



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 Spherolit lens

- Light distributions: narrow spot, spot, flood, wide flood, extra wide flood, oval flood or wallwash
- Oval flood 360° rotation

or

Attachment (zoom spotlight)

- Zoom lens, continuously focusable
- Light distributions: zoom spot

2 ERCO LED-module

- High-power LEDs: warm white (2700K or 3000K) or neutral white (3500K or 4000K)
- Collimating lens made of optical polymer

3 Housing and bracket

- White (RAL9002) or black
- Cast aluminum, powder-coated
- 0°-90° tilt
- Bracket on adapter rotatable through 360°

4 Control gear

- Trailing edge dimmable+On-board Dim
- Dimming with external dimmers (trailing edge) possible and rotary control for brightness control on the luminaire

5 ERCO turning adapter for 2-circuit track

Variants on request

- Housing: 10,000 further colors
- Please contact your ERCO consultant.



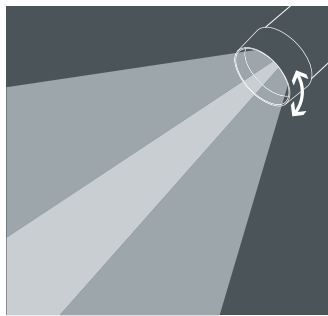
Design and application:
www.erco.com/parscan

Parscan for 2-circuit track



Large lumen packages for very high illuminances

The attention of the viewer can be focused via contrasting accents. ERCO has high-performance luminaires with large lumen packages in its range for this purpose.



Zoom spotlights

The light beam diameter can be infinitely adjusted from spot (15°) to wide flood (65°) by simply turning the lens. Zoom spotlights are particularly suitable for illuminating areas with changing exhibits and merchandise.



Oval flood freely rotatable

The oval flood Spherolit lens can be freely rotated with round luminaire heads to optimally match the lighting to various objects.



Small luminaire dimensions

Small luminaires are discreet and place the focus on the light itself. Compact luminaire dimensions are particularly advantageous with small rooms.



Ideal for ceiling channels

The minimalist design of Parscan is suitable for situations in which the luminaire should appear as discreet as possible - for example in museums or shops. If the luminaires are integrated into the ceiling channel they remain almost completely concealed.

Special characteristics



Large lumen packages for very high illuminances



Zoom spotlight



Oval flood, freely rotatable



Small luminaire dimensions



Ideal for ceiling channels



ERCO high-power LEDs



Efficient Spherolit technology



Different light distributions



Different light colors



Excellent thermal management



EMC-optimized



Various housing colors



Various construction sizes



Pivotable through 90°



Accessory for maximum visual comfort

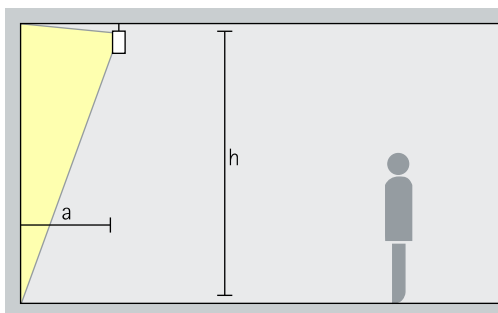


Trailing edge dimmable + On-board Dim

Parscan for 2-circuit track – Luminaire arrangement

Spotlights

Narrow spot, Spot, Flood

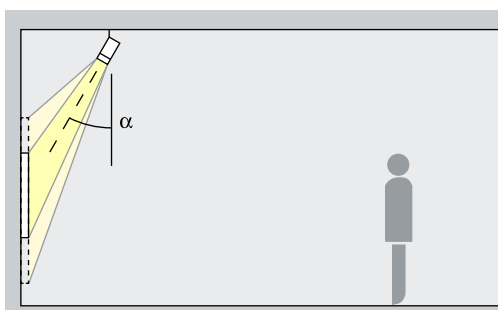


Parscan spotlights accentuate artwork, products and architectural details effectively. The ideal angle of tilt (α) for this is around 30° . The object is modelled without distorting the effect as a result of excessive shadowing. It also prevents shadows cast by the observer.

Arrangement: $\alpha = 30^\circ$

Zoom spotlights

Zoom spot

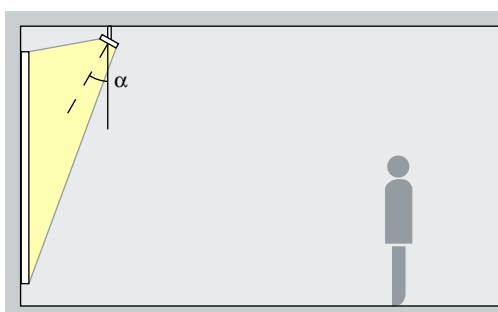


Zoom spotlights feature a continuously adjustable beam angle. With the spot to wide flood zoom range, smaller works of art can be accentuated effectively at an inclination angle (α) of approximately 30° . The object is modeled without distorting the effect as a result of excessive shadowing. It also prevents shadows cast by the observer.

Arrangement: $\alpha = 30^\circ$

Floodlights

Wide flood, Extra wide flood, Oval flood

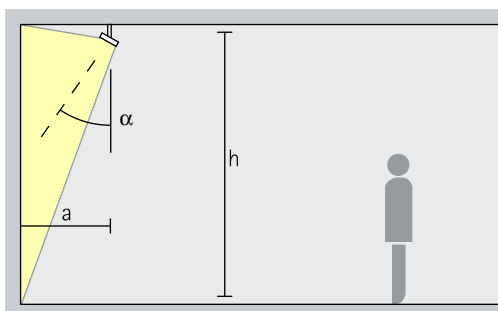


The ideal angle of tilt (α) for flood-lighting objects with a long, square shape, e.g. pictures, sculptures or merchandise displays, is around 30° .

Arrangement: $\alpha = 30^\circ$

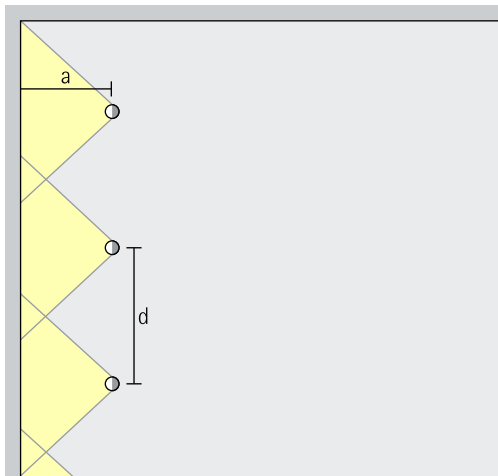
Lens wallwashers

Wallwash



For uniform vertical illuminance, the distance (a) of Parscan lens wallwashers from the wall should be around one third of the room height (h). This results in an angle of tilt (α) of approx. 35° .

Arrangement: $a = 1/3 \times h$ or $\alpha = 35^\circ$



For good longitudinal uniformity, the luminaire spacing (d) of Parscan wallwashers may be up to 1.2 times the distance to the wall (a).

Arrangement: $d \leq 1.2 \times a$

Optimal wall distances and luminaire spacing values for individual products are specified in the wall-washer tables at www.erco.com.

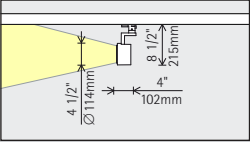
Buckford Illumination Group, Melbourne.
Architecture and lighting design: Buckford Illumination Group.
Photography: Jackie Chan, Sydney.



Palazzo Massimo, Rome. Lighting design: Arch. Francesca Storaro, Castel Gandolfo.

Parscan for 2-circuit track

Construction size



Ø 4 1/2"

LED module

Maximum value at 4000K CRI 92

12.1W/1723lm	4W/574lm (Narrow spot)
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Light color

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

Light distribution

Spotlights	Floodlights
 Narrow spot	 Wide flood
 Spot	 Extra wide flood
 Flood	 Oval flood
Zoom spotlights	Lens wallwashers
 Zoom spot	 Wallwash

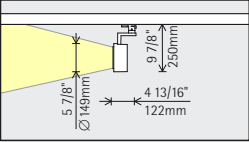
Control



Color (housing)

	White		10,000 colors *
	Black		

Construction size



Ø 5 7/8"

LED module

Maximum value at 4000K CRI 92

24.3W/3446lm	8.1W/1149lm (Narrow spot)
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Light color

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

Light distribution

Spotlights	Floodlights
 Narrow spot	 Wide flood
 Spot	 Extra wide flood
 Flood	 Oval flood
	Lens wallwashers
	 Wallwash

Control

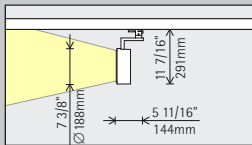


Color (housing)

	White		10,000 colors *
	Black		

Accessories

	Lenses		Cross-baffle
	Snoots		Honeycomb anti-glare screen



Ø 7 3/8"

48.5W/6893lm	18.2W/2585lm (Narrow spot)
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	2700K CRI 92		3500K CRI 92
	3000K CRI 92		4000K CRI 92
	3000K CRI 97		

Spotlights	Floodlights
 Narrow spot	 Wide flood
 Spot	 Extra wide flood
 Flood	 Oval flood
	Lens wallwashers
	 Wallwash

	Trailing edge dimmable + On-board Dim
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	White		10,000 colors *
	Black		

* available on request

www.erco.com/parscan





New Carls-
berg Glyptotek,
Copenhagen.
Architecture: Erik
Møller Architects.
Lighting design:
Lightscapes,
Fredensborg,
electrical designer:
Gert Carstensen.
Photography:
Johan Elm, Stock-
holm.