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, zoom oval
- Zoom oval 360° rotation

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), black or silver
- 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

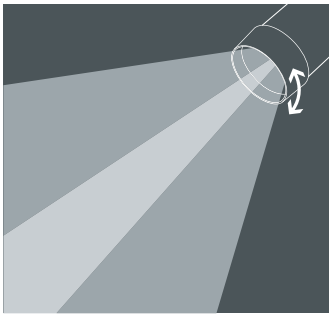
Please contact your ERCO consultant.

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.

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.



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.

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
- Oval flood, freely rotatable
- Zoom spotlight
- 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

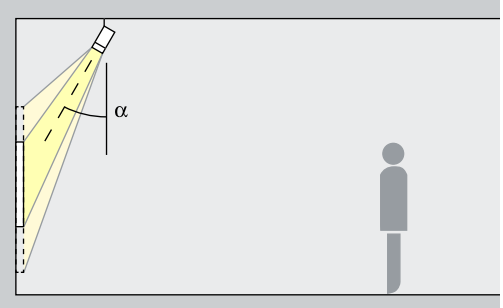
Parscan for 2-circuit track – Luminaire arrangement

Spotlights
Narrow spot, Spot, Flood

Accentuation
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: α = 30°

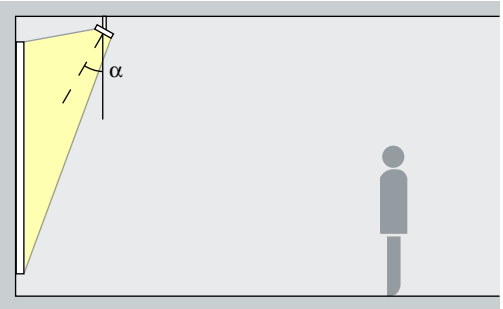
Zoom spotlights
Zoom spot, Zoom oval



Accentuation
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 oval zoom is suitable for linear works of art. The object is modeled without distorting the effect as a result of excessive shadowing. It also prevents shadows cast by the observer.

Arrangement: α = 30°

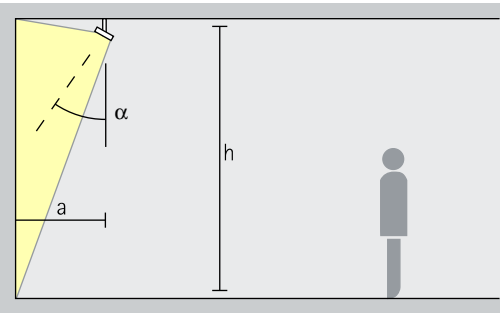
Floodlights
Wide flood, Extra wide flood, Oval flood



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

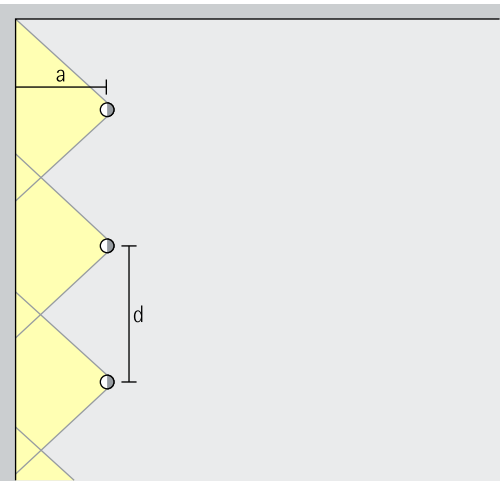
Arrangement: α = 30°

Lens wallwashers
Wallwash



Wallwashing
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 x h or
α = 35°



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

Arrangement: d ≤ 1.2 x a

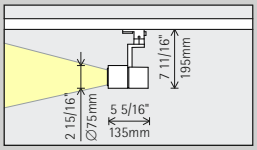
The optimal wall offset and luminaire spacing for each product are indicated in the wallwasher tables in the catalog and the product data sheets.

Edward Tyler Nahem Gallery, New York. Lighting design: Studio MDA, New York. Photography: Roland Halbe, Stuttgart.

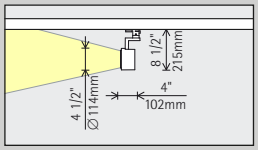
Palazzo Massimo, Rome. Lighting design: Arch. Francesca Storaro, Castel Gandolfo.

Parscan for 2-circuit track

Construction size



∅ 2 15/16"



∅ 4 1/2"

LED module
Maximum value at 4000K CRI 82

6W/825lm	2W/275lm (Narrow spot)

12W/1650lm	4W/550lm (Narrow spot)

Light color

2700K CRI 92	3500K CRI 92
3000K CRI 92	4000K CRI 82
3000K CRI 97	4000K CRI 92

2700K CRI 92	3500K CRI 92
3000K CRI 92	4000K CRI 82
3000K CRI 97	4000K CRI 92

Light distribution

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

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Control

Trailing edge dimmable + On-board Dim

Trailing edge dimmable + On-board Dim

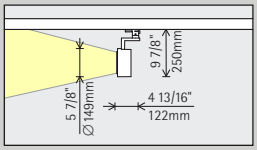
Color (housing)

White	Silver
Black	10,000 colors *

White	Silver
Black	10,000 colors *

Accessories

Lenses	Cross-baffle
Snoots	Honeycomb anti-glare screen



∅ 5 7/8"

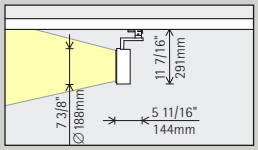
24W/3300lm	8W/1100lm (Narrow spot)

	2700K CRI 92		3500K CRI 92
	3000K CRI 92		4000K CRI 82
	3000K CRI 97		4000K CRI 92

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

Trailing edge dimmable + On-board Dim

	White		Silver
	Black		10,000 colors *



∅ 7 3/8"

48W/6600lm	18W/2475lm (Narrow spot)

	2700K CRI 92		3500K CRI 92
	3000K CRI 92		4000K CRI 82
	3000K CRI 97		4000K CRI 92

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

Trailing edge dimmable + On-board Dim

	White		Silver
	Black		10,000 colors *

* available on request

Article numbers and planning data:
www.erco.com/012323-us

Design and application:
www.erco.com/parscan