



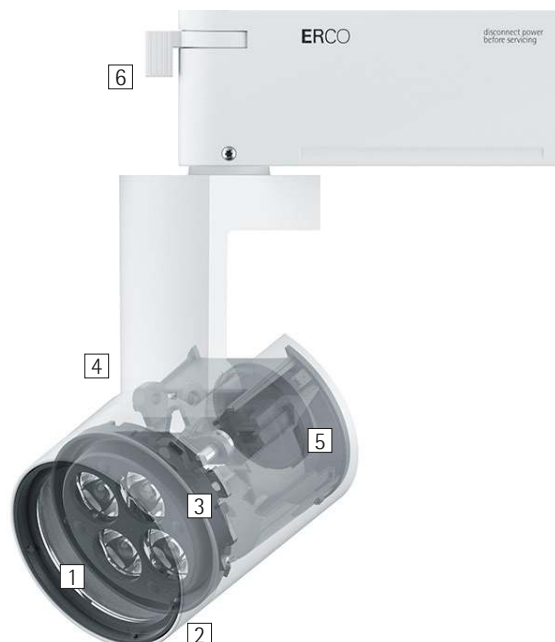
Parscan New 120V – Systematic diversity

The multifunctional spotlight system as a supplement to existing lighting installations

The evolution of Parscan brings a broad technical platform for even more quality of light, design flexibility and digital connectivity. A new generation of Spherolit lenses projects the light onto the target plane – precisely, uniformly and with superior efficiency. Miniaturized technology enables maximum optical performance even from size S, and the design is timeless and minimalist. Connection via turning transadapter makes Parscan compatible with many existing

dimable lighting installations, e.g. in projects such as museums, shops or sacred spaces. Parscan spotlights can be customized with tool-free, interchangeable lens units and a wide range of accessories to fulfill a wide variety of tasks.

Parscan New 120V 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 lenses

- Made of optical polymer
- Spherolit lenses: narrow spot, spot, flood, wide flood, extra wide flood, oval flood or wallwash
- Zoom lenses: zoom spot; continuously focusable
- Projection lenses: narrow framing or wide framing; continuously focusable

2 Lens unit

- Rotatable through 360°
- Polymer, white or black
- Contour spotlights with framing attachment

3 ERCO LED-module

- High-power LEDs: warm white (2700K or 3000K), neutral white (3500K or 4000K), tunable white (2700-7500K) or RGBW
- Collimating lens made of optical polymer

4 Housing and bracket

- White (RAL9002) or black
- Cast aluminum, powder-coated
- Pivotal 0°-90°
- Bracket: cast aluminum/polymer; rotatable through 360° on adapter

5 Control gear

- On-board Dim or Casambi Bluetooth
- On-board Dim version: rotary control for control of brightness on the luminaire

6 ERCO turning transadapter or ERCO turning adapter for 2-circuit track

Variants on request

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



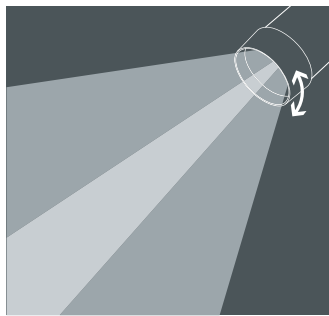
Design and application:
www.erco.com/parscan-ontrack

Parscan New 120V 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.



Contour spotlights

Framing attachments enable a sharply defined light beam. In this way fascinating effects can be created with contour spotlights, where crisply illuminated pictures appear to illuminate from within.



Tunable white technology

Just as the color temperature outdoors changes continuously during the day, the color temperature of the lighting can be adjusted indoors to e.g. support lighting concepts for Human Centric Lighting.



RGBW luminaires

Using colored light, the environment can be designed and transformed with either subtle or dramatic contrasts. LEDs enable you to generate colored light very efficiently and flexibly.

Special characteristics



Large lumen packages for very high illuminances



Zoom spotlight



Contour spotlight



Tunable white



Colored light



ERCO high-power LEDs



Efficient Spherolit technology



Different light distributions



Oval flood, freely rotatable



Different light colors



Excellent thermal management



EMC-optimized



Various housing colors



Various construction sizes



Pivotable through 90°



Accessory for maximum visual comfort



On-board Dim



Casambi Bluetooth

Parscan New 120V for 2-circuit track – Luminaire arrangement

Spotlights

Narrow spot, Spot, Flood

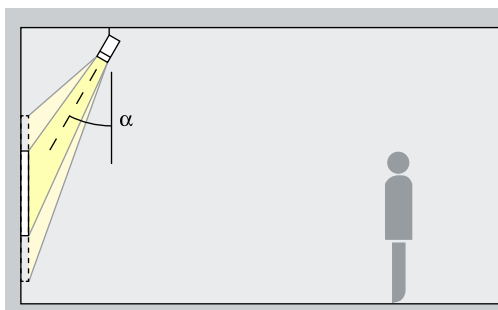


Works of art, merchandise and architectural details are effectively accentuated with Parscan. The ideal angle of tilt (α) for this is around 30° . The object is modeled without distorting the effect as a result of excessive shadowing. It also prevents shadows cast by the observer.

Arrangement: $\alpha = 30^\circ$

Zoom spotlights

Zoom spot

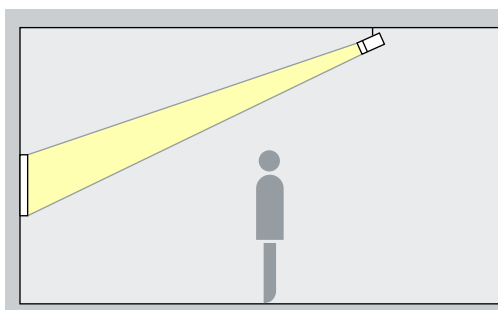


Zoom spotlights feature a continuously adjustable beam angle. With the spot to wide flood zoom range, smaller works of art can be accentuated effectively at an inclination angle (α) of approximately 30° . The object is modeled without distorting the effect as a result of excessive shadowing. It also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

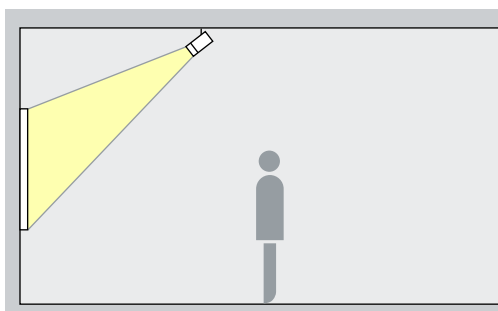
Arrangement: $\alpha = 30^\circ$

Contour spotlights

Narrow framing, Wide framing

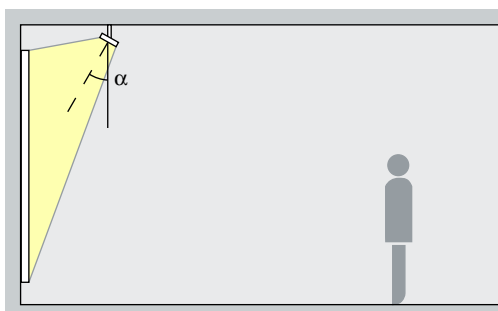


Contour spotlights generate freely adjustable, crisp-edged light beams. As a result fascinating effects can be created where pictures appear to illuminate from within. Select narrow framing to accurately illuminate small exhibits from a long distance and wide framing to accurately illuminate large exhibits from a short distance.



Floodlights

Wide flood, Extra wide flood, Oval flood

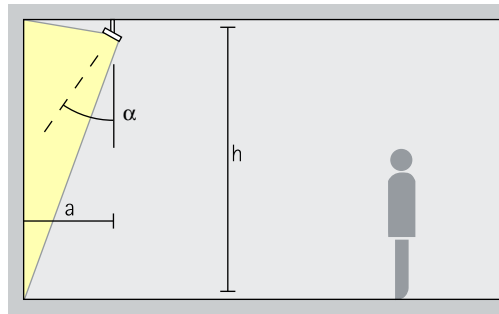


The ideal angle of tilt (α) for flood-lighting objects with a long, square shape, e.g. pictures, sculptures or merchandise displays, is around 30° .

Arrangement: $\alpha = 30^\circ$

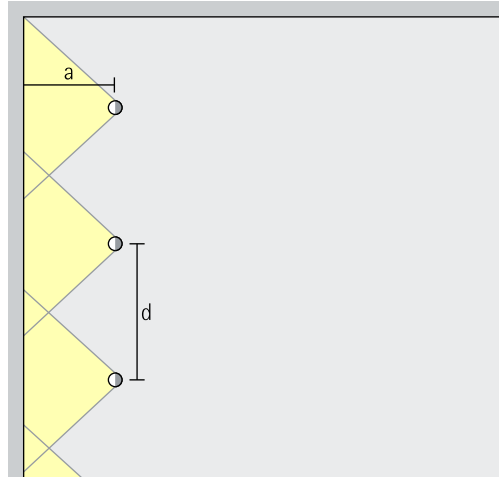
Parscan New 120V for 2-circuit track – Luminaire arrangement

Lens wallwashers Wallwash



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

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



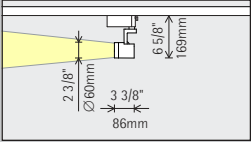
For good longitudinal uniformity, the luminaire spacing (d) of Parscan wallwashers may be up to 1.5 times the distance to the wall (a).

Arrangement: $d \leq 1.5 \times a$

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

Parscan 120V New for 2-circuit track

Size



S
Ø 2 3/8"

LED module

Maximum value at 4000K CRI 92

8.1W/1149lm

3,1W/339lm (Narrow spot)

5.7W/615lm

Light Color

2700K CRI 92

3500K CRI 92

3000K CRI 92

4000K CRI 92

3000K CRI 97

Tunable white

Light distribution

Spotlights

Floodlights

Narrow spot

Wide flood

Spot

Extra wide flood

Flood

Oval flood

Zoom spotlights

Lens wallwashers

Zoom spot

Wallwash

Contour spotlights

Narrow framing

Wide framing

Spotlights

Floodlights

Spot

Wide flood

Flood

Extra wide flood

Zoom spotlights

Oval flood

Zoom spot

Lens wallwashers

Contour spotlights

Wallwash

Narrow framing

Wide framing

Control

On-board Dim

Casambi Bluetooth
+ 0-10V via Bridge

Casambi Bluetooth
+ 0-10V via Bridge

Color (housing)

White

10,000 colors *

Black

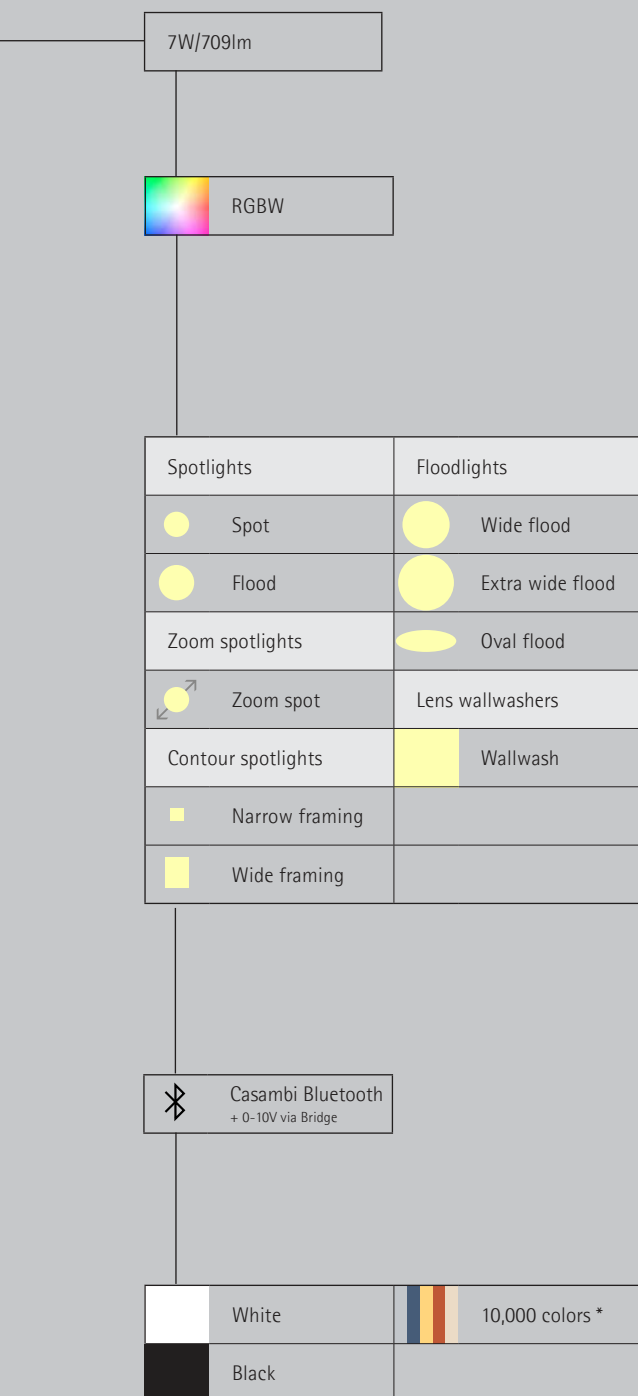
White

10,000 colors *

Black

Accessory		Lenses		Lens Units		Snoot		Add-on Control Units
		Filter		Honeycomb louvre		Barn doors		Bridges/Gateways * 0-10V, DALI, DMX

6



* available on request

www.erco.com/parscan-120v



Parscan 120V New for 2-circuit track

Size

M
Ø 3 5/8"

LED module

Maximum value at 4000K CRI 92

18.2W/2585lm	4,2W/426lm (Narrow spot)	12.6W/1338lm
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Light Color

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

Tunable white

Light distribution

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

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

Control

On-board Dim

Casambi Bluetooth
+ 0-10V via Bridge

Casambi Bluetooth
+ 0-10V via Bridge

Color (housing)

	White		10,000 colors *
	Black		

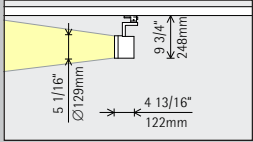
	White		10,000 colors *
	Black		

	Lenses		Lens Units		Snoot		Add-on Control Units
	Filter		Honeycomb louvre		Barn doors		Bridges/Gateways * 0-10V, DALI, DMX



Parscan 120V New for 2-circuit track

Size



L
Ø 5 1/16"

LED module

Maximum value at 4000K CRI 92

25.1W/3714lm

9.3W/1017lm (Narrow spot)

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
Contour spotlights	
Narrow framing	
Wide framing	

Control

On-board Dim

Trailing edge dimmable

Casambi Bluetooth + 0-10V via Bridge

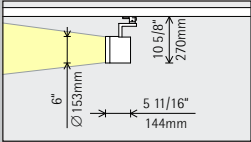
Color (housing)

	White		10,000 colors *
	Black		

Accessory

	Lenses		Lens Units		Snoot
	Filter		Honeycomb louvre		Barn doors

Size



XL
Ø 6"

LED module

Maximum value at 4000K CRI 92

20.6W/3249lm

16.9W/1704lm (Narrow spot)

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	Oval wide flood
Wallwash	

Control

Trailing edge dimmable

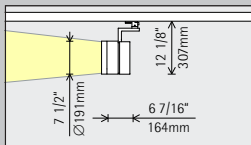
Casambi Bluetooth + 0-10V via Bridge

Color (housing)

	White		10,000 colors *
	Black		

Accessory

	Lenses		Lens Units		Snoot
	Filter		Honeycomb louvre		Barn doors



XXL
 $\varnothing$ 7 1/2"

35.2W/5569lm	21.7W/2373lm (Narrow spot)
56.5W/8356lm	

	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	 Oval wide flood
 Wallwash	

	Trailing edge dimmable
	Casambi Bluetooth + 0-10V via Bridge

	White		10,000 colors *
	Black		

www.ereco.com/parscan-120v

