Parscan 120V New – 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 XS, and the design is timeless and minimalist. Connection via turning transadapter makes Parscan compatible with many existing dimmable 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 120V New 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, oval wide flood or wall-wash
- Zoom lenses: zoom spot or zoom oval; 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), black or silver
- Die cast zinc or cast aluminum, powder-coated
- Pivotable 0°–90°
- Bracket: cast aluminum/polymer; rotatable through 360° on adapter

5 Control gear
- On-board Dim, Casambi Bluetooth or Zigbee
- 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

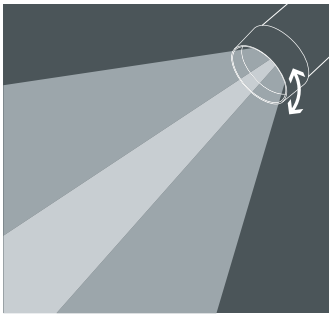
Please contact your ERCO consultant.

Design and application:
www.erco.com/parscan-120V

Parscan 120V New 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.

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.



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.

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.

Tunable white technology
Corresponding to the continuously changing color temperature outdoors during the course of the day, the color temperature of indirect lighting indoors can also be adapted, for example to support lighting concepts for Human Centric Lighting applications.

Special characteristics

- Large lumen packages for very high illuminances
- Contour spotlight
- Zoom spotlight
- Colored light
- Tunable white

- 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
- Zigbee

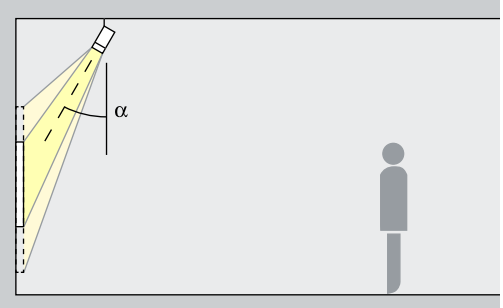
Parscan 120V New for 2-circuit track – Luminaire arrangement

Spotlights
Narrow spot, Spot, Flood

Accentuation
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: α = 30°

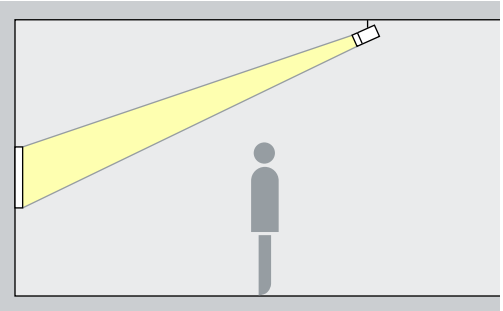
Zoom spotlights
Zoom spot, Zoom oval



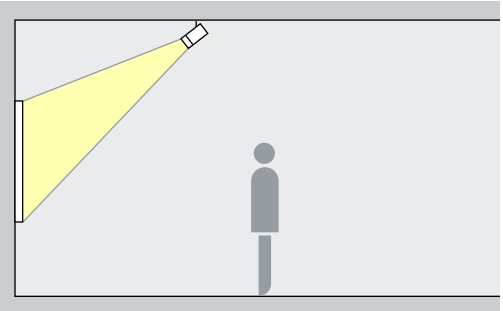
Accentuation
Zoom spotlights feature a continuously adjustable beam angle. With the spot to wide flood zoom range, smaller works of art can be accentuated effectively at an inclination angle (α) of approximately 30°. The oval zoom is suitable for linear works of art. The object is modeled without distorting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

Arrangement: α = 30°

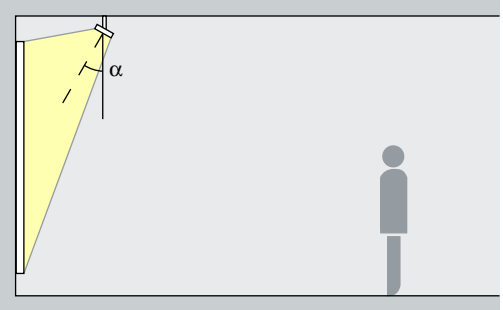
Contour spotlights
Narrow framing, Wide framing



Projection
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 wide flood, Oval flood

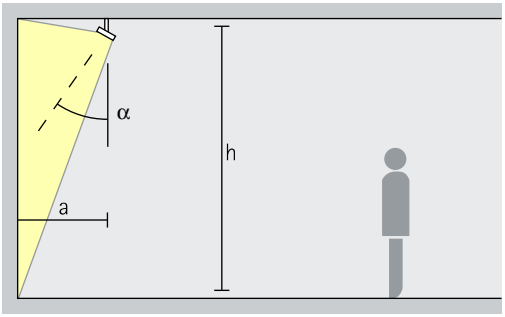


Washlighting
The ideal angle of tilt (α) for floodlighting objects with a long, square shape, e.g. pictures, sculptures or merchandise displays, is around 30°.

Arrangement: α = 30°

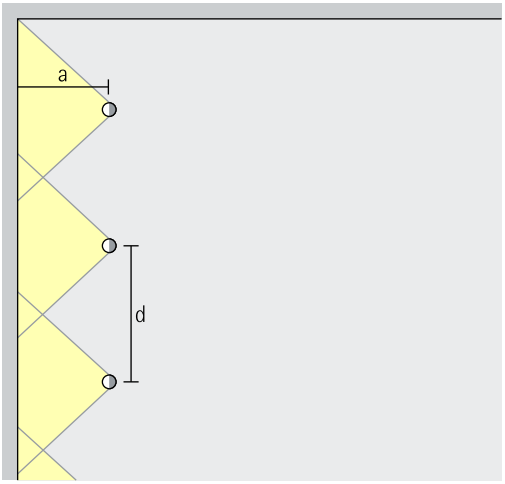
Parscan 120V New for 2-circuit track – Luminaire arrangement

Lens wallwashers
Wallwash



Wallwashing
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 x h or α = 35°



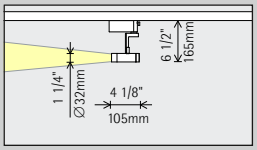
For good longitudinal uniformity, the luminaire spacing (d) of Parscan wallwashers may be up to 1.2 times the distance to the wall (a).

Arrangement: d ≤ 1.2 x a

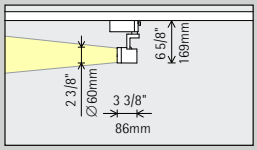
Optimal wall distances and luminaire spacing values for individual products are specified in the wallwasher tables at www.erco.com.

Parscan 120V New for 2-circuit track

Size



XS
∅ 1 1/4"



S
∅ 2 3/8"

LED module
Maximum value at 4000K CRI 82

XS	
2W/272lm	3.1W/382lm (Narrow spot)
3.1W/382lm	

S	
5.7W/810lm	3.1W/382lm (Narrow spot)
8.1W/1086lm	

Light Color

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

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

Light distribution

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

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

Control

XS	S
On-board Dim	On-board Dim
Casambi Bluetooth + 0-10V via Bridge	Casambi Bluetooth + 0-10V via Bridge
Zigbee	Zigbee

Color (housing)

XS			
White		Silver	
Black		10,000 Colors *	

S			
White		Silver	
Black		10,000 Colors *	

Accessory

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

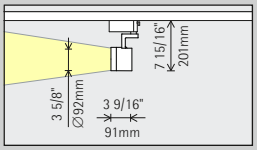
* available on request

Article numbers and planning data:
www.erco.com/020810-us

Design and application:
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 82

12.8W/1822lm	4.2W/481lm (Narrow spot)
18.1W/2444lm	

12.6W/1335lm

Light Color

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

Tunable white

Light distribution

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

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

Control

On-board Dim
Casambi Bluetooth + 0-10V via Bridge
Zigbee

Casambi Bluetooth + 0-10V via Bridge
Zigbee

Color (housing)

White	Silver
Black	10,000 Colors *

White	Silver
Black	10,000 Colors *

Accessory

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

12.6W/1156lm

RGBW

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

Casambi Bluetooth
+ 0-10V via Bridge

Zigbee

White	Silver
Black	10,000 Colors *

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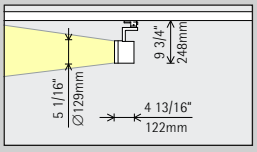
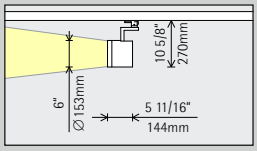
Parscan 120V New for 2-circuit track

Size



L
∅ 5 1/16"



XL
∅ 6"

LED module
Maximum value at 4000K CRI 82

15.7W/2350lm	12.6W/1443lm (Narrow spot)
25.1W/3523lm	

20.6W/3085lm	16.8W/1924lm (Narrow spot)
32.9W/4624lm	

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	Oval wide flood
Zoom spot	Lens wallwashers
Zoom oval	Wallwash
Contour spotlights	
Narrow framing	
Wide framing	

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

Control

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

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

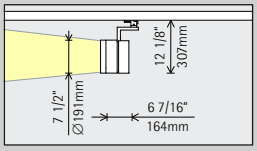
Color (housing)

White	Silver
Black	10,000 Colors *

White	Silver
Black	10,000 Colors *

Accessory

Lenses	Lens Units	Snoot
Filter	Honeycomb louvre	Barn doors



XXL
Ø 7 1/2"

35.3W/5288lm	21.6W/2673lm (Narrow spot)
56.4W/7927lm	

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	Oval wide flood
Wallwash	

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

White	Silver
Black	10,000 Colors *

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