

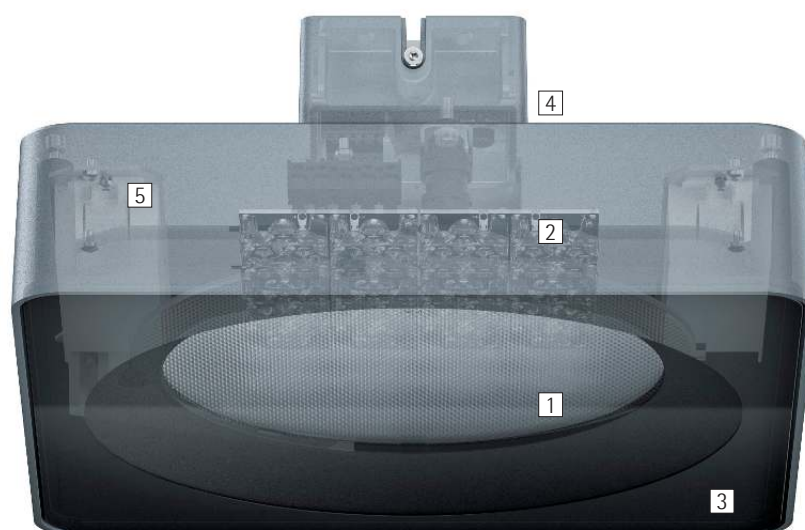


Lightscan – Powerful light for large spaces

Effective and efficient general lighting for passages and traffic routes

Lightscan ceiling surface-mounted luminaires provide strong, efficient general lighting for large rooms requiring higher protection ratings in indoor and outdoor areas along with easy maintenance. The higher luminous flux levels enable illumination over large distances and guarantee an excellent lighting level on the floor. The light distributions wide flood, extra wide flood and oval flood are ideal for use in railway stations, passages and arcades as well as traffic areas in

buildings. The maintenance-free optoelectronics protect resources thanks to their high efficiency and also reduce operating costs.



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: wide flood, extra wide flood or oval flood
- Oval flood 360° rotation

2 ERCO LED-module

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

3 Cover frame

- Cast aluminum, black powder-coated
- Safety glass

4 Housing and ceiling fixture

- Graphit m
- Corrosion-resistant cast aluminum, No-Rinse surface treatment
- Double powder-coated

5 Control gear

- 0-10V dimmable

Suitable for wet locations (IP65)

Dust-proof and water jet-proof

Variants on request

- High-power LEDs: 3000K CRI 97 or 2700K, 3500K, 4000K with CRI 92
 - Housing: 10,000 further colors
- Please contact your ERCO consultant.



Design and application:
www.erco.com/lightscan-o-s

Lightscan Surface-mounted luminaires



Improved visual comfort
ERCO has developed luminaires with special housing designs and highquality optical components specifically for demanding visual tasks to provide enhanced visual comfort.



Large lumen packages for very high illuminances
ERCO offers luminaires with large lumen packages for generating very high illuminances.



Oval flood freely rotatable
The round oval flood Spherolit lens can be freely rotated with all luminaires to optimally align the light to various objects.

Special characteristics



Improved visual comfort



Large lumen packages for very high illuminances



Oval flood, freely rotatable



ERCO high-power LEDs



Efficient Spherolit technology



Different light colors



Excellent thermal management



EMC-optimized



Various construction sizes



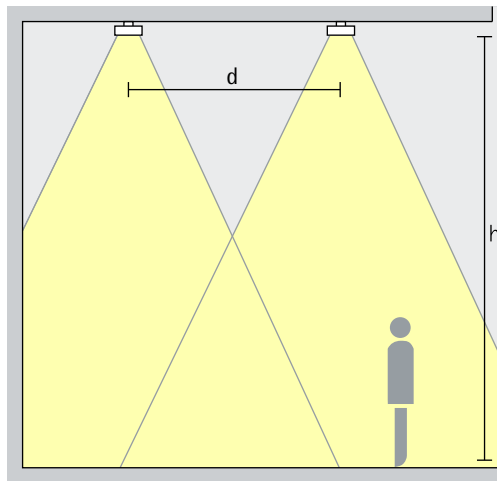
Wet location



0-10V dimmable

Lightscan Surface-mounted luminaires – Luminaire arrangement

Surface-mounted downlights Wide flood, Extra wide flood

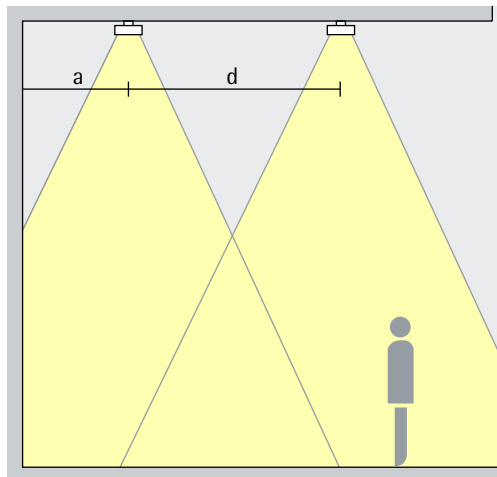


General lighting

For uniform ambient lighting, the spacing (d) between two Lightscan surface-mounted downlights may be up to approximately half the height (h) of the luminaire above the working plane.

Arrangement: $d = h / 2$

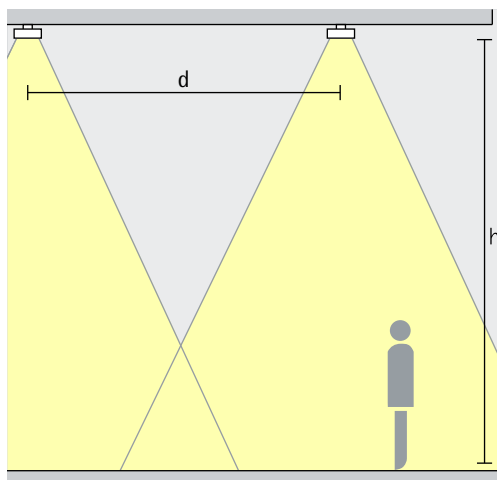
Application: halls and high spaces with canopies, e.g. airports or train stations.



The wall offset should be half the luminaire spacing.

Arrangement: $a = d / 2$

Surface-mounted downlights oval flood Oval flood



Linear lighting

For uniform lighting with luminaires arranged in a line, the spacing (d) between two Lightscan surface-mounted downlights should be the height (h) of the luminaire above the working plane.

Arrangement: $d = h$

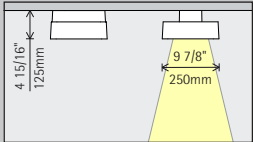
Application: circulation zones in high spaces with canopies, e.g. airports or train stations.

MSporthorses,
Santiago. Archi-
tecture: Matías
Zegers Arquitec-
tos, Providencia.
Lighting design:
Diav, Santiago.
Photography:
Cristobal Palma
/ Estudio Palma,
Santiago.



Lightscan Surface-mounted luminaires

Construction size 9 7/8"



LED module
Maximum value
at 4000K CRI 82

48W/6600lm

Light color

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

Light
distribution

Surface-mounted downlights	Surface-mounted downlights oval flood
Wide flood	Oval flood
Extra wide flood	

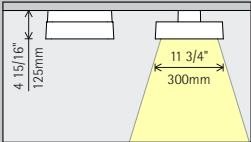
Control

0–10V 0–10V

Color (housing)

	Graphit m
	10,000 colors *

11 3/4"



72W/9900lm

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

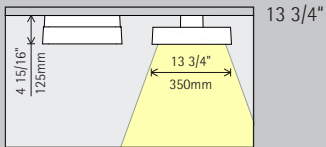
Surface-mounted downlights	Surface-mounted downlights oval flood
Wide flood	Oval flood
Extra wide flood	

0–10V 0–10V

	Graphit m
	10,000 colors *







Accessories










13 3/4"

96W/13200lm

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

Surface-mounted downlights	Surface-mounted downlights oval flood
 Wide flood	 Oval flood
 Extra wide flood	

0-10V 0-10V

	Graphit m
	10,000 colors *

* available on request

Article numbers and planning data:
www.erco.com/015412-us

Design and application:
www.erco.com/lightscan-o-s



