

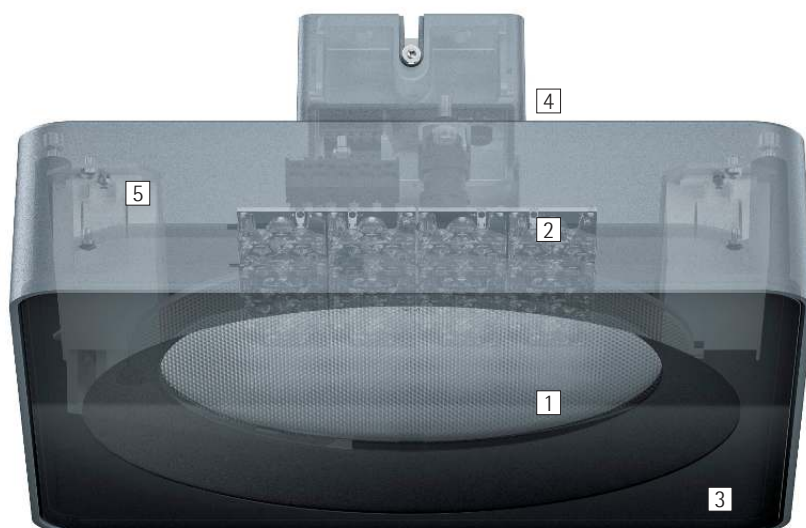


Lightscan – Powerful light for large spaces

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

3 Cover frame

- Cast aluminium, black powder-coated
- Safety glass

4 Housing and ceiling fixture

- Graphite m
- Corrosion-resistant cast aluminium, No-Rinse surface treatment
- Double powder-coated

5 Control gear

- Switchable or DALI dimmable

Protection mode IP65

Dust-tight and water jet-proof

Variants on request

- High-power LEDs: 3000K CRI 97 or 2700K, 3500K, 4000K with CRI 92
 - Housing: 10,000 further colours
- 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 high quality 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 colours



Excellent thermal management



EMC-optimised



Various construction sizes



Protection mode IP65



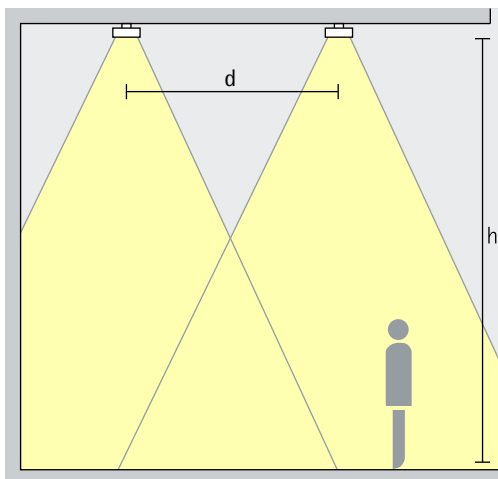
Switchable



DALI dimmable

Lightscan Surface-mounted luminaires – Luminaire arrangement

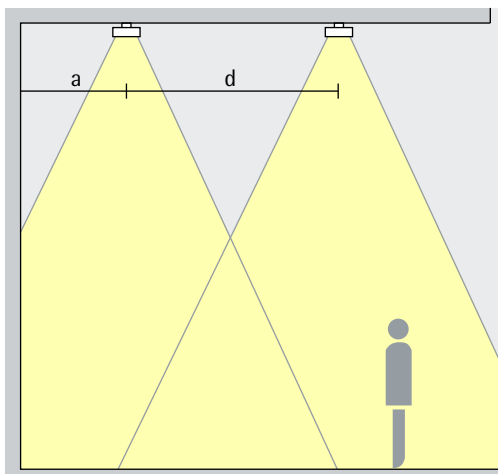
Surface-mounted downlights Wide flood, Extra wide flood



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: $d = h / 2$

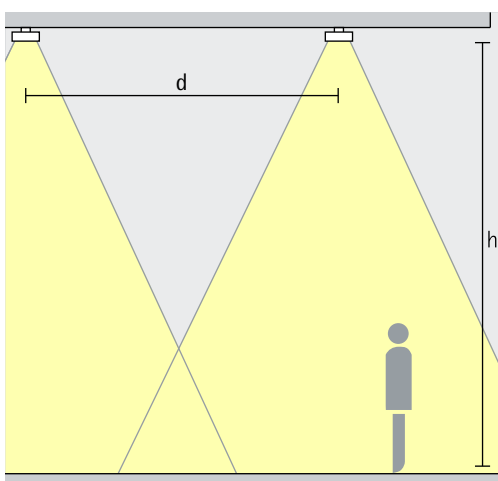
Application: halls and high spaces with canopies, e.g. airports or train stations.



The wall offset should be half the luminaire spacing.

Arrangement: $a = d / 2$

Surface-mounted downlights oval flood



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: $d = h$

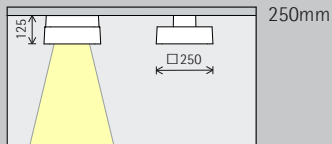
Application: circulation zones in high spaces with canopies, e.g. airports or train stations.

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

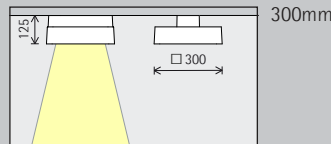


Lightscan Surface-mounted luminaires

Construction size



Construction size



LED module
Maximum value
at 4000K CRI 82

48W/6600lm/6600lm

72W/9900lm/9900lm

Light colour

| | | | |
|--|----------------|--|----------------|
| | 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

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

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

Control

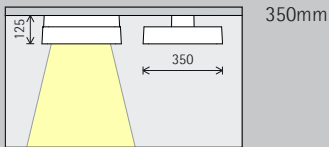
| | |
|--|------------|
| | Switchable |
| | DALI |

| | |
|--|------------|
| | Switchable |
| | DALI |

Colour (housing)







| | |
|--|------------------|
| | Graphit m |
| | 10,000 colours * |




| | |
|--|------------------|
| | Graphit m |
| | 10,000 colours * |




350mm

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 | | |

| | |
|---|------------|
|  | Switchable |
|  | DALI |

| | |
|---|------------------|
|  | Graphit m |
|  | 10,000 colours * |

* available on request

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

Design and application:
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