

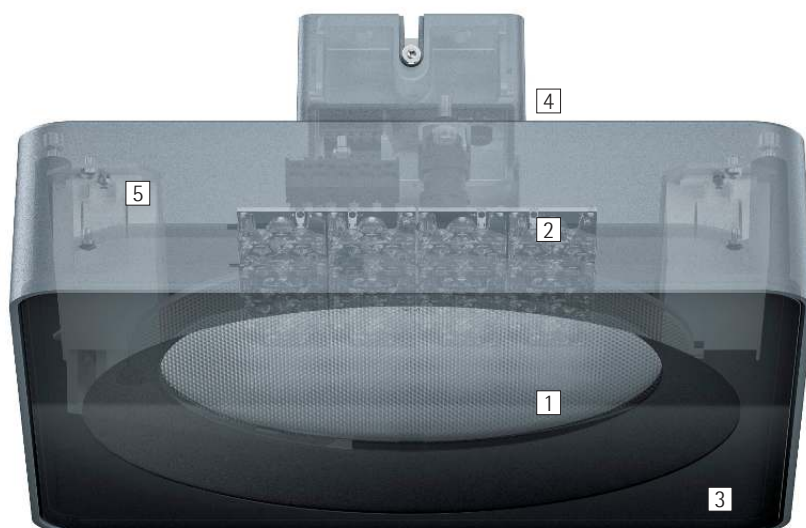


## Lightscan – Powerful light for large spaces

### **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](http://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 colors



Excellent thermal management



EMC-optimized



Various construction sizes



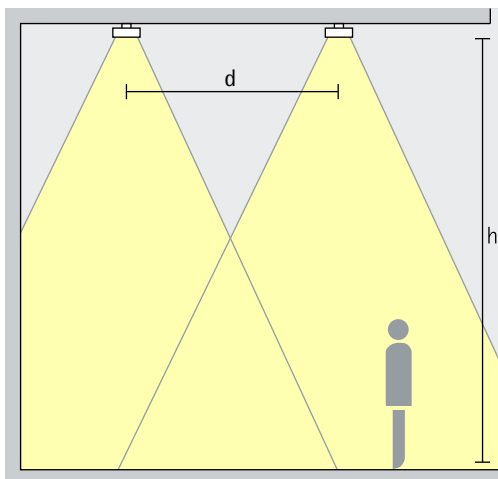
Wet location



0-10V dimmable

# Lightscan Surface-mounted luminaires – Luminaire arrangement

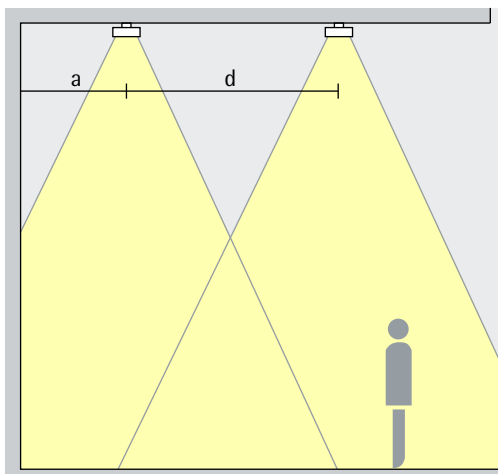
## Surface-mounted downlights Wide flood, Extra wide flood



**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:  $d = h / 2$

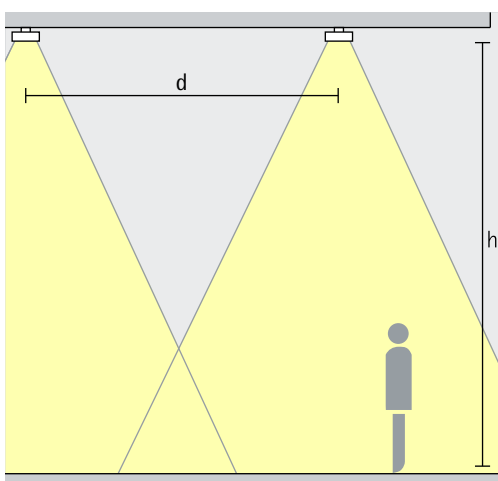
Application: halls and high spaces with canopies, e.g. airports or train stations.



The wall offset should be half the luminaire spacing.

Arrangement:  $a = d / 2$

## Surface-mounted downlights oval flood



**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:  $d = h$

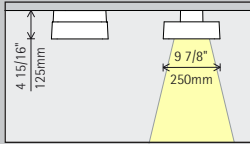
Application: circulation zones in high spaces with canopies, e.g. airports or train stations.

Circular Quay Station, Sydney.  
Photography:  
Jackie Chan,  
Sydney.

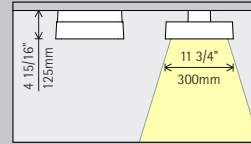


# Lightscan Surface-mounted luminaires

Construction size 9 7/8"



11 3/4"



LED module  
Maximum value  
at 4000K CRI 82

48.5W/6288lm

72.8W/9432lm

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

| 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

0-10V 0-10V

0-10V 0-10V

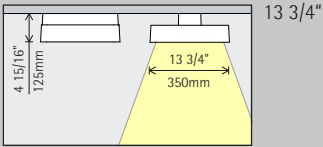
Color (housing)

Graphit m  
 10,000 colors \*

Graphit m  
 10,000 colors \*

Accessories





97W/12576lm

|  |                |  |                |
|--|----------------|--|----------------|
|  | 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](http://www.erco.com/015412-us)

Design and application:  
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