

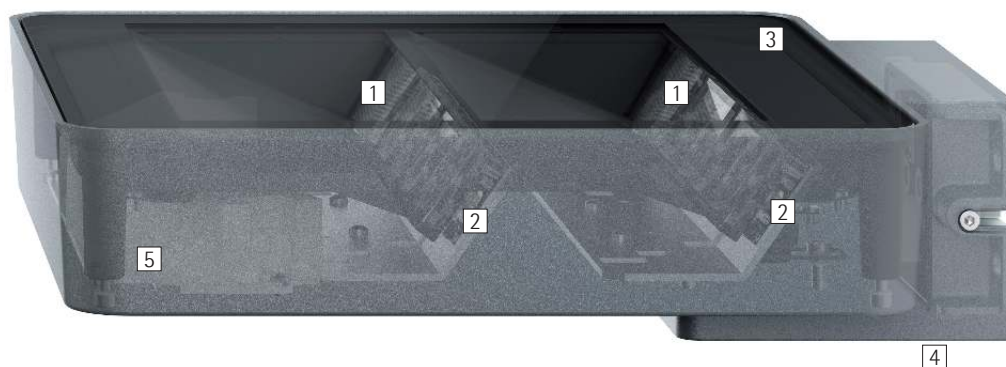


## Lightscan – Dynamic ceiling illumination for a wide spatial impression

### **Floodlighting ceilings in airports, railway stations, arcades and passages**

Lightscan facade luminaires make ceilings appear light and spacious even in demanding spatial environments such as arcades and railway stations. The robust luminaire's uniform, bright floodlighting enables economical ceiling illumination due to large luminaire spacing. High luminous fluxes and efficient lighting technology ensure an excellent lighting level – especially in high rooms. Two different distributions – wide or narrow – provide the perfect solution for illuminating wide

ceiling areas. The maintenance-free optoelectronics protect resources thanks to their high efficiency and 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 beam or deep beam

### 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 wall plate

- Graphit m
- Corrosion-resistant cast aluminum, No-Rinse surface treatment
- Double powder-coated
- Optimized surface for reduced accumulation of dirt

### 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-f](http://www.erco.com/lightscan-f)

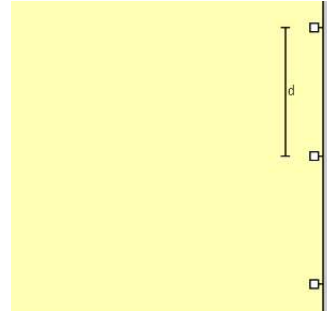
# Lightscan Façade luminaires



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






**Different light distributions: wide or deep**  
 The wide light distribution of ceiling washlights efficiently illuminates cantilever roofs along the facade. The deep beam light distribution of ceiling washlights is ideal for the wide-area illumination of ceilings.



**Wide luminaire spacing with ceiling washlighting**  
 ERCO's efficient photometrics enable selected luminaires to be spaced particularly far apart, thereby minimizing the number of luminaires required.

**Special characteristics**

-  Large lumen packages for very high illuminances
-  Different light distributions: wide or deep
-  Wide luminaire spacing with ceiling washlighting



ERCO high-power LEDs



Efficient Spherolit technology



Different light colors



Excellent thermal management



EMC-optimized



Various construction sizes



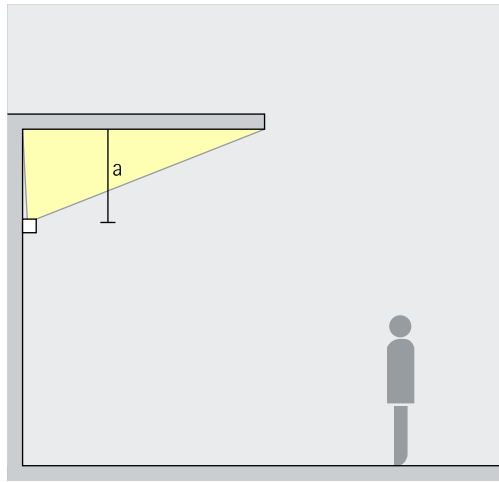
Wet location



0-10V dimmable

# Lightscan Façade luminaires – Luminaire arrangement

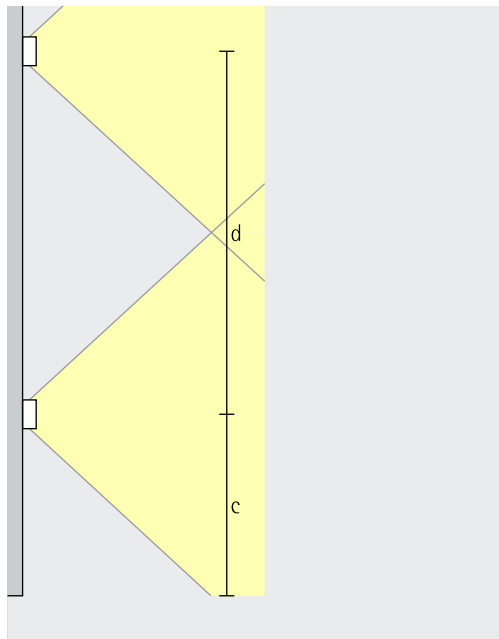
**Ceiling washlights**  
Wide beam, Deep beam



## Washlighting

Uniform illumination using Lightscan gives a light and spacious impression to ceilings. The distance (a) of the luminaire to the ceiling determines the luminaire spacing (d) and depends on the design criteria. This distance (a) should be at least 2ft.

Arrangement:  $a > 2\text{ft}$



The distance (d) of luminaires with wide beam light distribution may be up to 4 times the ceiling offset (a).

Arrangement:  $d = 4 \times a$

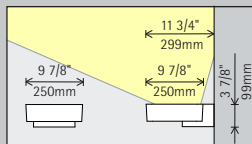
The distance (d) of luminaires with deep beam light distribution may be up to 3 times the ceiling offset (a).

Arrangement:  $d = 3 \times a$



# Lightscan Façade luminaires

Construction size 9 7/8"



LED module  
Maximum value  
at 4000K CRI 82

24.3W/3144lm

Light color

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

Light distribution

	Ceiling washlights
	Wide beam
	Deep beam

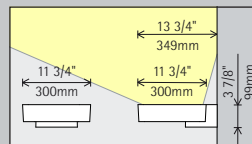
Control

0-10V 0-10V

Color (housing)

	Graphit m
	10,000 colors *

11 3/4"



48.5W/6288lm

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

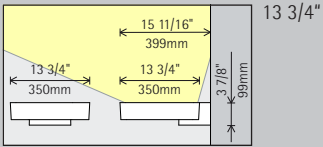
	Ceiling washlights
	Wide beam
	Deep beam

0-10V 0-10V

	Graphit m
	10,000 colors *

Accessories

	Mounting plate
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72.8W/9432lm

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

Ceiling washlights	
	Wide beam
	Deep beam

0-10V 0-10V

	Graphit m
	10,000 colors *

\* available on request

Article numbers and planning data:  
[www.erco.com/015413-us](http://www.erco.com/015413-us)

Design and application:  
[www.erco.com/lightscan-f](http://www.erco.com/lightscan-f)





Sydney Central Station.  
Architecture:  
Woods Bagot,  
John McAslan +  
Partners. Lighting  
design: Steensen  
Varming. Photo-  
graphy: Jackie  
Chan.