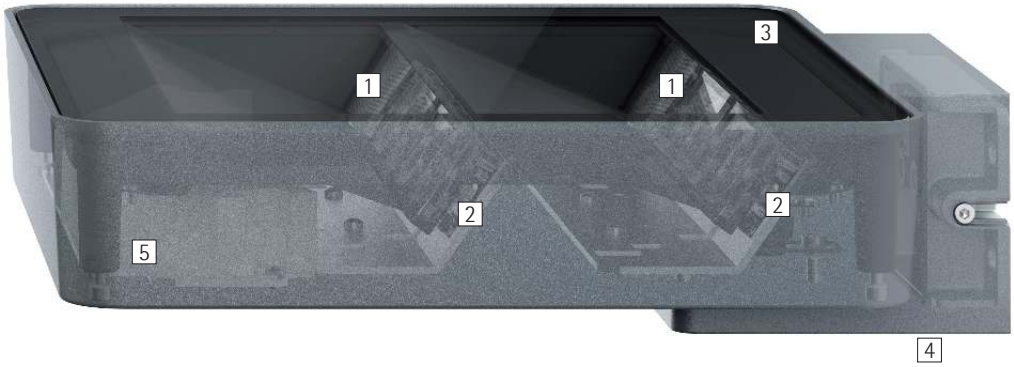
Lightscan – Dynamic ceiling illumination for a wide spatial impression

Floodlighting ceilings in airports, railway stations, arcades and passages
Lightscan facade luminaires give ceilings a light and spacious appearance even in demanding 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 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 wall plate
- Graphit m
- Corrosion-resistant cast aluminium, No-Rinse surface treatment
- Double powder-coated
- Optimised surface for reduced accumulation of dirt

5 Control gear
- Switchable or DALI dimmable

Protection mode IP65
Dust-tight and water jet-proof

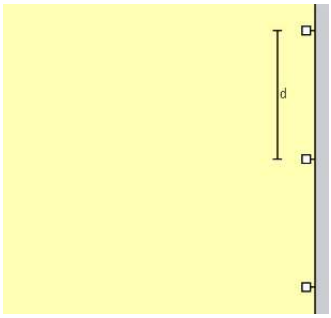
Variants on request
- High-power LEDs: 3000K CRI 97 or 2700K, 3500K, 4000K with CRI 92
- Housing: 10,000 further colours

Please contact your ERCO consultant.

Design and application:
www.erco.com/lightscan-f

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.



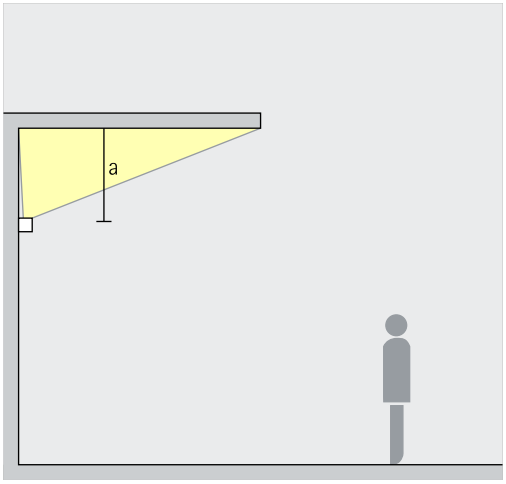
Wide luminaire spacing with ceiling washlighting
ERCO's efficient photometrics enable selected luminaires to be spaced particularly far apart, thereby minimising the number of luminaires required.

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 colours
- Excellent thermal management
- EMC-optimised
- Various construction sizes
- Protection mode IP65
- Switchable
- DALI dimmable

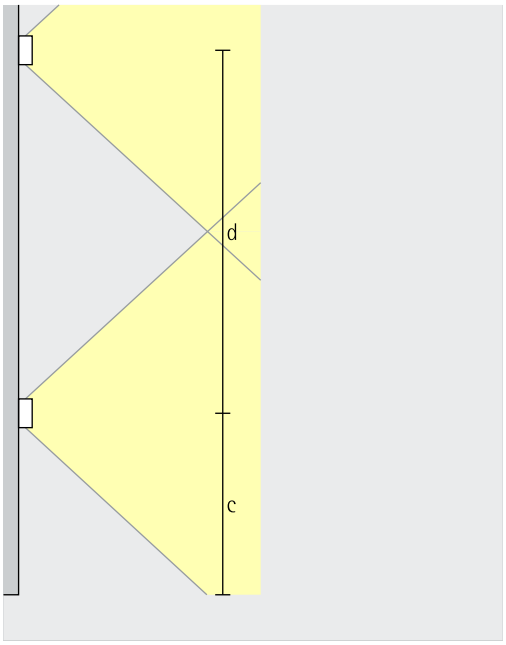
Lightscan Façade luminaires – Luminaire arrangement

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 0.8m.

Arrangement: a > 0.8m



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

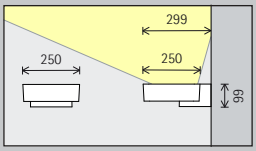
Arrangement: d = 4 x a

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

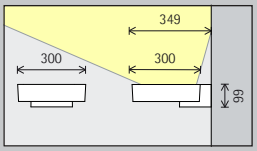
Arrangement: d = 3 x a

Lightscan Façade luminaires

Construction size



250mm



300mm

LED module
Maximum value
at 4000K CRI 82

24.3W/3144lm	48.5W/6288lm

Light colour

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

Light distribution

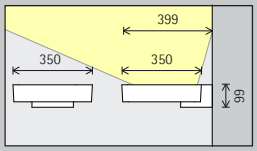
Ceiling washlights
Wide beam
Deep beam

Control

Switchable
DALI

Colour (housing)

Graphit m
10,000 colours *



350mm

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

- Switchable
- DALI

- Graphit m
- 10,000 colours *

* available on request

Article numbers and planning data:
www.erco.com/015413

Design and application:
www.erco.com/lightscan-f

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