Compact – Efficient and economical

Its combination of visual comfort and recess depth is unique. Compact breaks new ground in illumination – Compact, simply unique.

New possibilities arise when people break new ground. Compact is a previously unseen combination of excellent visual comfort and particularly shallow recess depth. Its different light distributions of extra wide flood and oval flood enable all-round use in offices and administrative buildings as much as in salesrooms. The luminaire’s unique oval flood beam lends itself particularly to the illumination of tables and traffic zones. Even broad and uniform illumination of vertical surfaces is possible using the wallwashers. This provides the creative designer with a range of differentiated lighting tools for efficient visual comfort even in areas where compact downlights are required.

Technical Region:
220V-240V/50Hz-60Hz

We reserve the right to make technical and design changes.

Edition: 27.11.2019
Current version under www.erco.com/compact
Compact Recessed luminaires

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 lens system
- Made of optical polymer
- Light distributions: extra wide flood, oval flood, wallwash or double wallwash

2 ERCO LED-module
- High-power LED: warm white (2700K or 3000K) or neutral white (3500K or 4000K)

3 Anti-glare ring with cross baffle
- Optical cut-off 30°
- Polymer, aluminium vaporised, silver, ribbed

Wallwasher reflector
- Optical cut-off 30° or 40°
- Polymer or metal, aluminium vaporised, silver, ribbed, with diffuser on the underside

4 Mounting ring
- Covered mounting detail
- Fixing for ceiling thicknesses of 1-25mm (size 3-4) or 1-30mm (size 5-8)
- Polymer, white
- For flush mounting: mounting ring to be ordered separately, fixing for ceiling thicknesses of 12.5–25mm

5 Housing
- Cast aluminium, designed as heat sink
- Rotatable through 360°

6 Control gear
- Switchable, phase dimmable, DALI dimmable or Casambi Bluetooth
- Phase dimmable version: Dimming with external dimmers possible (trailing edge)

Variants on request
- Anti-glare ring with cross baffle: coated matt gold, matt silver or matt champagne
- Wallwasher reflector: 3- or 5-pole plug with connection cable (90cm or 97cm)
- Mounting ring: 10,000 further colours
- Ceiling channel system
- Please contact your ERCO consultant.

Design and application: www.erco.com/compact

Compact Recessed luminaires

Double wallwasher
The special light distribution of the double wallwashers efficiently illuminates the opposite walls of corridors. The diffuse, reflected light from the walls also illuminates the floor and ceiling.

Suitable for office workstations
ERCO develops luminaires with the specifications of good glare control and high visual comfort. UGR values are used as support for purely norm-referenced lighting. With downlights though this should not be carried out using ‘blanket’ values, but should be implemented according to the individual arrangement of luminaires in the room.

Covered or flush mounting detail
As standard, all recessed luminaires have overlapping installation details. Flush mounting rings are available as accessories.

Shallow recess depth
In compact installation situations, every millimetre is decisive with the recess depth of a luminaire. ERCO has thus developed special luminaires for shallow recess depths that guarantee very good quality of light even in very tight installation conditions.

Wide luminaire spacing with wallwashing
Efficient ERCO photometrics allow certain luminaires to be spaced unusually far apart at up to 1.5 times the distance to wall.

Special characteristics
For office workstation lighting from UGR 12.1

ERCO high-power LEDs
- Excellent thermal management
- Switchable

Efficient lens system
- Phase dimmable

EMC-optimised

Various construction sizes
- DALI dimmable

Double wallwasher
- Optical cut-off 30°/40°

Different light colours
- Casambi Bluetooth

Flush or covered mounting detail
- Tool-free mounting

Shallow recess depth

Wide luminaire spacing with wallwashing

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General lighting
For uniform ambient lighting, the spacing (d) between two Compact downlights may be up to approximately 1.5 times the height (h) of the luminaire above the working plane.
Arrangement: \( d \leq 1.5 \times h \)
The wall offset should be half the luminaire spacing.
Arrangement: \( a = d / 2 \)

Linear lighting
As a rough guide for uniform illumination, the luminaire spacing (d) between two Compact downlights installed in a row may be up to 1.5 times the height (h) of the luminaire above the working plane.
Arrangement: \( d \leq 1.5 \times h \)
Application area: hallways and circulation areas.

Lens wallwashers
Wallwash
For uniform vertical illuminance, the distance (a) of Compact lens wallwashers from the wall should be around one third of the room height (h).
Arrangement: \( a = 1/3 \times h \)

Double wallwashers
Double wallwash
For uniform vertical illuminance on parallel walls, the distance (a) of Compact double wallwashers from the wall on either side should be around one third of the room height (h).
Arrangement: \( a = 1/3 \times h \)
Application: corridors, e.g. in administration buildings or health facilities.

Wallwashing
For good longitudinal uniformity, the spacing (d) of Compact lens wallwashers may be up to 1.3 times the offset from the wall (a).
Arrangement: \( d \leq 1.3 \times a \)
The optimal wall offset and luminaire spacing for each product are indicated in the wallwasher tables in the catalogue and the product data sheets.

Downlights
Extra wide flood
Downlights oval flood
Oval flood
Wallwashing
For good longitudinal uniformity, the spacing (d) of Compact lens wallwashers may be up to 1.3 times the offset from the wall (a).
Arrangement: \( d \leq 1.3 \times a \)
The optimal wall offset and luminaire spacing for each product are indicated in the wallwasher tables in the catalogue and the product data sheets.

Compact Recessed luminaires – Luminaire arrangement

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Compact Recessed luminaires

Construction size

LED module
Maximum value at 4000K CRI 82

Light colour

2700K CRI 93
3000K CRI 92
3000K CRI 97

Light distribution

Downlights
Extra wide flood
Downlights oval flood
Downlights

Lens wallwashers
Wallwash

Control

Switchable
DALI

Accessories

Concrete mounting enclosure
Mounting plate for panelled ceilings
Mounting plate
Compensation set
Spacer plate
Cover ring

2700K CRI 92
3000K CRI 93
4000K CRI 82
3000K CRI 97
4000K CRI 92

40W/5500lm

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Brookfield Place:
Tower 2, Perth.
Lighting design:
Lighting Options Australia, Perth.
Photography:
Matt Devlin, Perth.

Concrete mounting enclosure
Mounting plate for panelled ceilings
Mounting plate
Compensation set
Spacer plate
Cover ring