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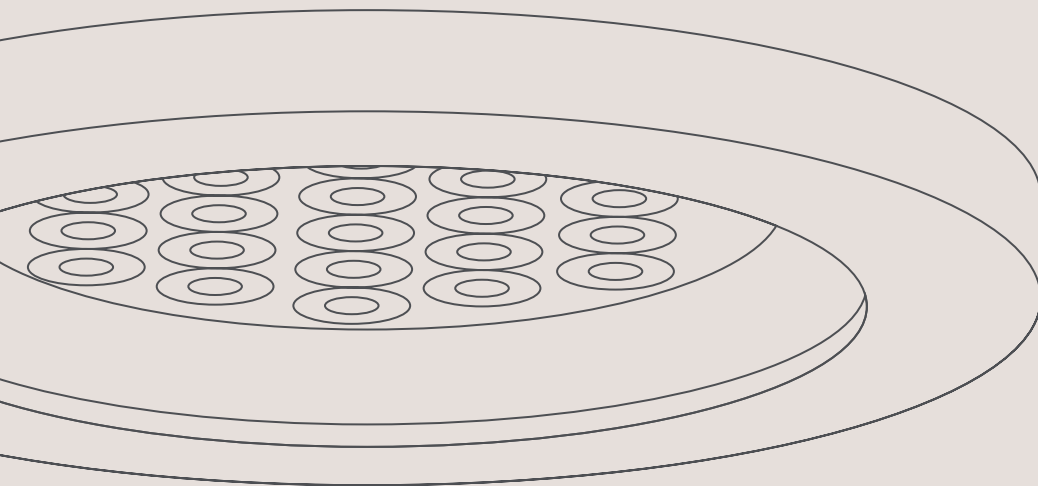
**we-ef**

# WE-EF LEUCHTEN

General Catalogue

European Edition

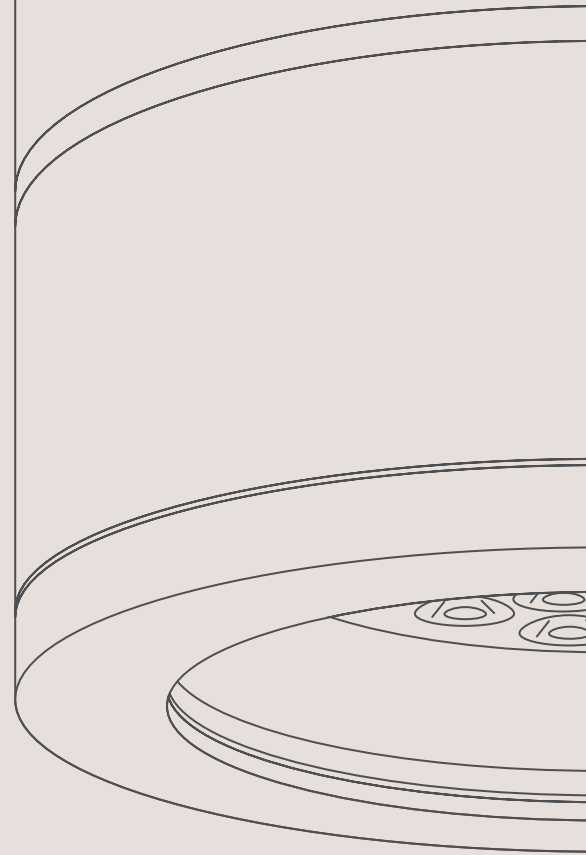




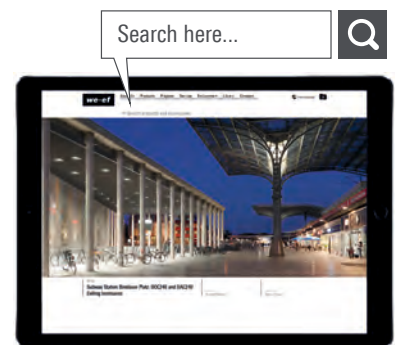
**Whether recessed or surface mounted, WE-EF ceiling luminaires enable the seamless continuation of lighting concepts from the interior to the exterior.**

Indoors, ceiling luminaires are the tool of choice for all general lighting purposes – but there are also many mounting positions in architectural lighting exteriors, such as canopies, passageways or façade overhangs. All of them are uncompromisingly designed for durability, no matter how challenging the conditions – with carefully sealed, closed housings, long-lasting materials and corrosion-resistant surfaces.

# Ceiling luminaires



DOC100 / DOC200	138
DOC100-FT / DOC200-FT	140
DOC100-FT TW	144
DOC200-GB / DAC200-GB	146
DAC100 / DAC200	148
DAS100-PM	150



## Ceiling luminaires

For detailed specifications, product codes and latest performance data, refer to [www.we-ef.com](http://www.we-ef.com)





# Breslauer Platz Underground Station

## A Brighter Day Underground

Located on the north side of Cologne's main railway hub, this newly-built underground station is marked by classic elegance and transparent architecture. To uphold and even enhance its bright and friendly atmosphere by night, more than 370 WE-EF luminaires are at work – a combination of DOC240 and DAC240 recessed and surface mounted ceiling luminaires deliver excellent visual conditions for passengers, passers-by and railway staff.

### **Breslauer Platz Underground Station**

Cologne (DE)

Project owner: KVB Kölner Verkehrs-Betriebe

Architect: Büder + Menzel Architekten BDA

Lighting design: Licht Kunst Licht AG





Luminaire housing:	Marine-grade, die-cast aluminium alloy
Corrosion protection:	5CE, including PCS hardware
Driver:	Integral EC electronic converter in thermally separated compartment
Main lens:	Safety glass. DOC200 – Safety glass hinged, frame with safety catch
Gasketing:	Silicone CCG® Controlled Compression Gasket
Optics:	CAD-optimised for superior illumination and glare control OLC® One LED Concept
Installation:	Two cable entries. Luminaire is factory-sealed and does not need to be opened during the installation. Pre-installation blackout is recommended for mounting in cast concrete ceilings; to be ordered separately. The luminaire is not suitable for chlorine containing environments e.g. swimming pool. Special version suitable for chlorine containing environments, on request. Must be specified at time of ordering
Control:	Optional DALI version available. To be specified at time of ordering

CLASS  
I

IP66

IK07

**Park Hyatt**  
Bangkok (TH)  
Architect: AL\_A

Lighting design: Inverse Thailand / London

**Available distributions:**  
[B] [M] [EE] [EES] [A20]

**Standard colours:**



RAL 9004 9006 9007 7016 9016



- [B] Symmetric, wide beam
- [M] Symmetric, medium beam
- [EE] Symmetric, very narrow beam
- [EES] Symmetric, very narrow beam, 'sharp cut-off'
- [A20] Asymmetric, wallwash

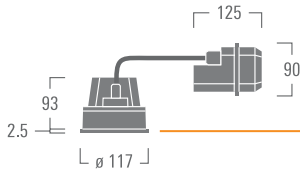


DOC100



DOC200

DOC110

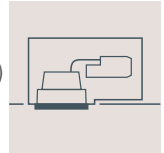


[B] [M] [EE] [EES] [A20]

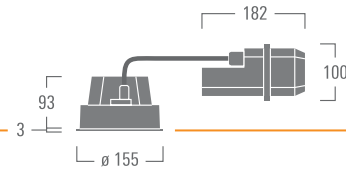
12 W  
970-1370 lm  
Max. 1 internal accessory

**Mounting accessories:**  
Pre-installation blockouts

**Type I:**  
Luminaire faceplate remains proud (2.5-18 mm) of ceiling



DOC120



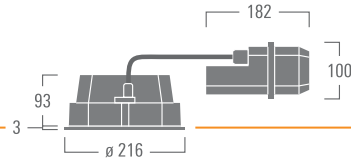
[B] [M] [EE] [EES] [A20]

24 W  
2040-2610 lm  
Max. 1 internal accessory

**Type II:**  
For flush luminaire installation



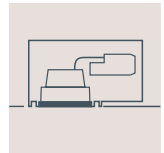
DOC140



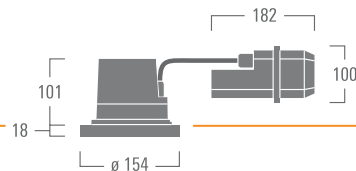
[B] [M] [EE] [EES] [A20]

48 W  
4120-5460 lm  
Max. 1 internal accessory

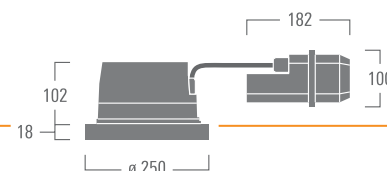
**Type III:**  
For flush with shadow line installation



DOC220



DOC240



[B] [M] [EE] [EES] [A20]

24-48 W  
2040-5460 lm  
Max. 1 internal accessory



- For detailed specifications, product codes and latest performance data, refer to [www.we-ef.com](http://www.we-ef.com)
- Shown above are rated lumens for 3000 K at  $T_q = 25^\circ\text{C}$
- For accessories, refer to page 151





Luminaire housing:	Marine-grade, die-cast aluminium alloy
Corrosion protection:	5CE, including PCS hardware
Driver:	Integral EC electronic converter in thermally separated compartment
Main lens:	Safety glass. DOC200 – Safety glass hinged, frame with safety catch
Gasketing:	Silicone CCG® Controlled Compression Gasket
Optics:	Darklight anodised aluminium reflector
Installation:	Two cable entries. Luminaire is factory- sealed and does not need to be opened during the installation. Pre-installation blackout is recommended for mounting in cast concrete ceilings; to be ordered separately. The luminaire is not suitable for chlorine containing environments e.g. swimming pool. Special version suitable for chlorine containing environments, on request. Must be specified at time of ordering
Technology:	Darklight Reflector Technology; refer to page 374
Control:	Optional DALI version available. To be specified at time of ordering

CLASS  
I

IP66

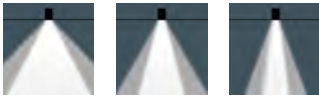
IK07

Available distributions:  
[B] [M] [E]

Standard colours:

  
 RAL 9004 9006 9007 7016 9016





[B] Symmetric, wide beam  
 [M] Symmetric, medium beam  
 [E] Symmetric, narrow beam



DOC100-FT



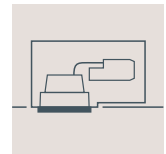
DOC200-FT

**Mounting accessories:**

Pre-installation blockouts

**Type I:**

Luminaire faceplate remains proud (3-19 mm) of ceiling



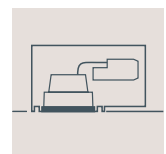
**Type II:**

For flush luminaire installation

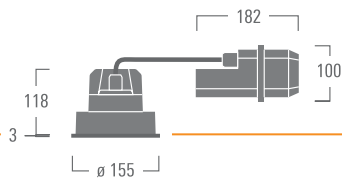


**Type III:**

For flush with shadow line installation



DOC120-FT

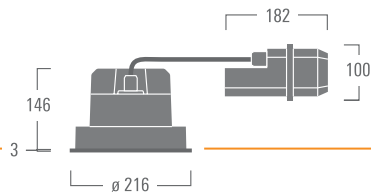


[B] [M] [E]

17-24 W  
 820-2420 lm

Max. 1 internal accessory

DOC140-FT

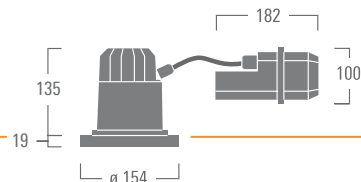


[B] [M] [E]

24-37 W  
 1290-3430 lm

Max. 1 internal accessory

DOC220-FT



[B]

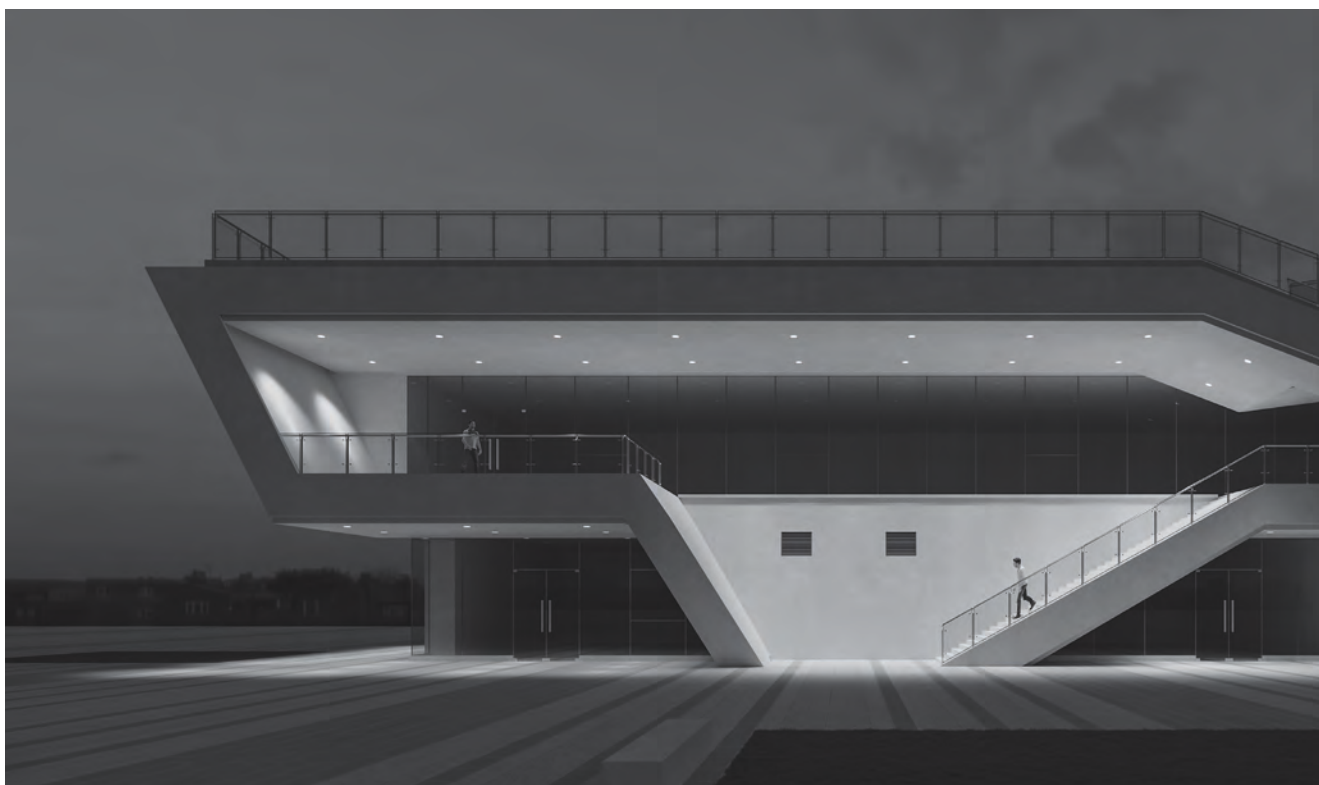
24 W  
 2430 lm

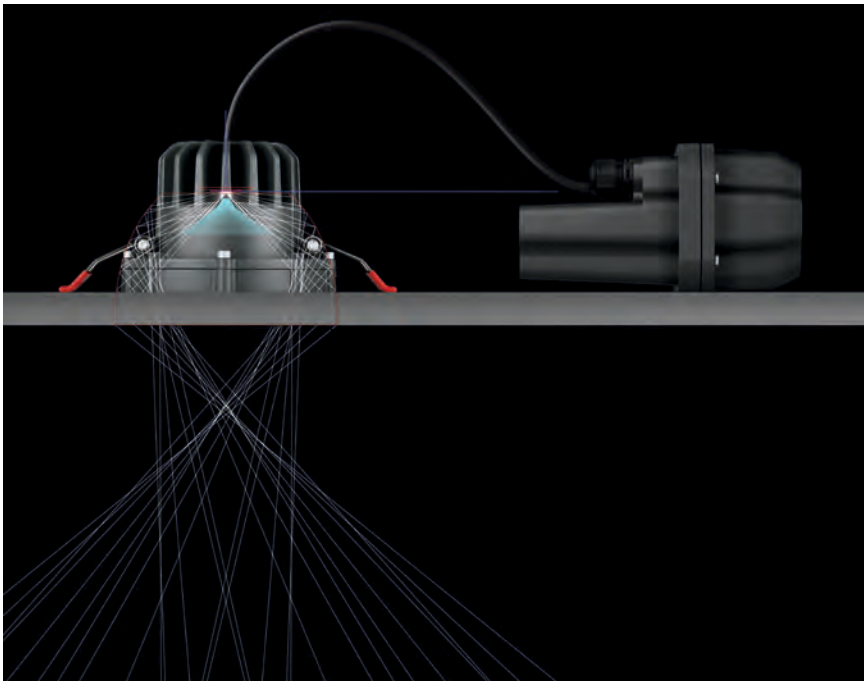


- For detailed specifications, product codes and latest performance data, refer to [www.we-ef.com](http://www.we-ef.com)
- Shown above are rated lumens for 3000 K at  $T_q = 25^\circ\text{C}$
- For accessories, refer to page 151

### Architecture made to shine

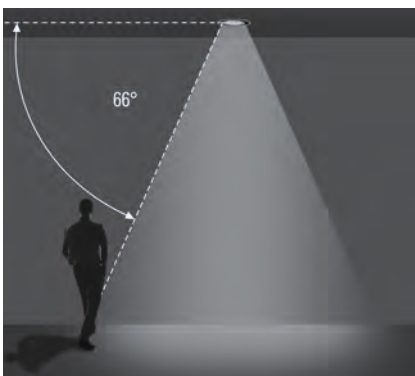
In modern architecture, exterior spaces are often an extension of the interior - and vice versa. Unobtrusive luminaires such as the WE-EF DOC100 downlight series are ideal tools for making the architecture take centre stage. A host of available light distributions and controls allow effective illumination of horizontal and vertical surfaces – bright where needed, subtle where desired – while ensuring excellent glare control and visual comfort.



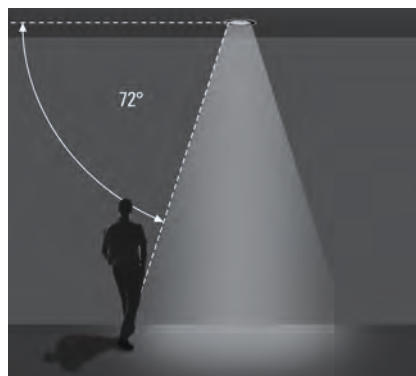


**DOC100-FT Darklight ray-tracing**

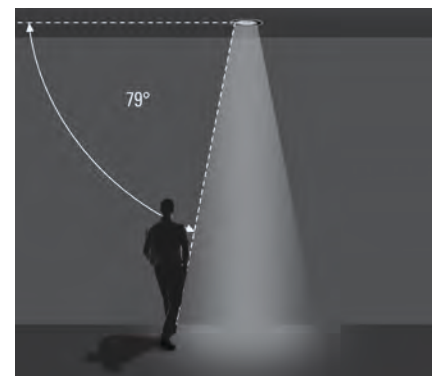
This CAD ray-tracing simulation demonstrates the darklight reflector's combined light control and shielding qualities. While the former quality ensures uniform illumination of the target surface, the latter prevents direct eye contact with the light source.



**[B] Wide beam**  
66° shielding angle

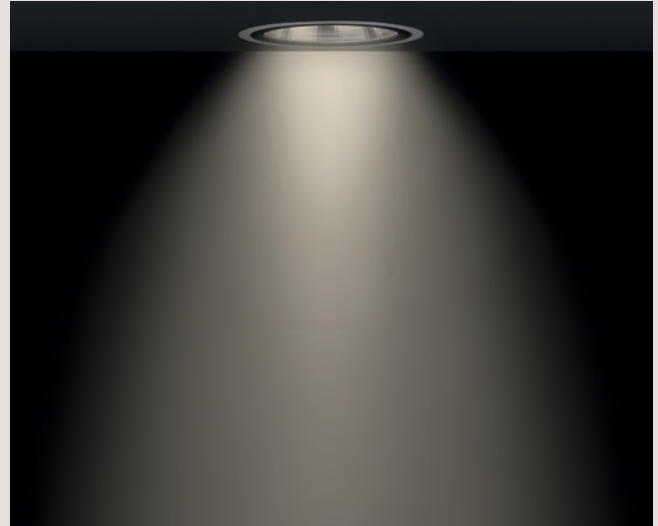


**[M] Medium beam**  
72° shielding angle



**[E] Narrow beam**  
79° shielding angle





- Luminaire housing:** Marine-grade, die-cast aluminium alloy
- Corrosion protection:** 5CE, including PCS hardware
- Driver:** Integral EC electronic converter in thermally separated compartment
- Main lens:** Safety glass
- Gasketing:** Silicone CCG® Controlled Compression Gasket
- Optics:** Darklight anodised aluminium reflector
- Installation:** Two cable entries. Luminaire is factory- sealed and does not need to be opened during the installation. Pre-installation blackout is recommended for mounting in cast concrete ceilings; to be ordered separately.
- The luminaire is not suitable for chlorine containing environments e.g. swimming pool. Special version suitable for chlorine containing environments, on request. Must be specified at time of ordering
- Technology:** WE-EF Tunable White Technology – stabilises luminous flux throughout 2700 K - 6000 K; refer to page 372
- Darklight Reflector Technology; refer to page 374
- Control:** DALI

CLASS  
I

IP66

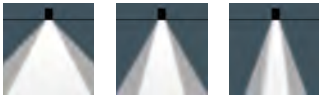
IK07

**Available distributions:**  
[B] [M] [E]

**Standard colours:**



RAL 9004 9006 9007 7016 9016



- [B] Symmetric, wide beam
- [M] Symmetric, medium beam
- [E] Symmetric, narrow beam

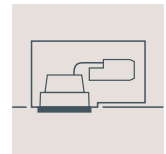


**Mounting accessories:**

Pre-installation blockouts

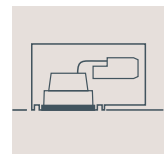
**Type I:**

Luminaire faceplate remains proud (3 mm) of ceiling

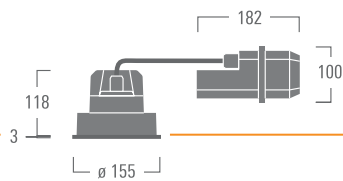


**Type III:**

For flush with shadow line installation



**DOC120-FT TW**

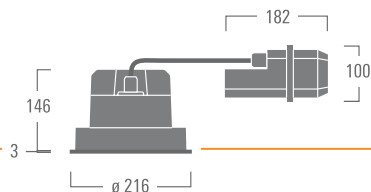


[B] [M] [E]

17 W  
480-1110 lm

Max. 1 internal accessory

**DOC140-FT TW**



[B] [M] [E]

24 W  
950-1860 lm

Max. 1 internal accessory



- For detailed specifications, product codes and latest performance data, refer to [www.we-ef.com](http://www.we-ef.com)
- Shown above are rated lumens for 3000 K at  $T_q = 25^\circ\text{C}$
- For accessories, refer to page 151



Luminaire housing:	Marine-grade, die-cast aluminium alloy
Corrosion protection:	5CE, including PCS hardware
Driver:	Integral EC electronic converter in thermally separated compartment
Main lens:	Safety glass hinged, frame with safety catch
Gasketing:	Silicone rubber gasket
Optics:	CAD-optimised for superior illumination and glare control OLC® One LED Concept
Installation:	Two cable entries. Luminaire suitable for chlorine containing environments e.g. swimming pools, on request. Must be specified at time of ordering. DOC200 – Luminaire is factory- sealed and does not need to be opened during the installation. Pre-installation blackout is recommended for mounting in cast concrete ceilings - to be ordered separately
Control:	Optional DALI version available. To be specified at time of ordering

DOC240-GB	CLASS I	IP66	IK07
DAC240-GB	CLASS I	IP65	IK07

**White City**  
London (UK)  
Lighting design: Speirs & Major Associates

**Available distributions:**  
[B] [M] [EE] [EES] [A20]

**Standard colours:**



RAL 9004 9006 9007 7016 9016





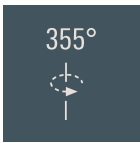
- [B] Symmetric, wide beam
- [M] Symmetric, medium beam
- [EE] Symmetric, very narrow beam
- [EES] Symmetric, very narrow beam, 'sharp cut-off'
- [A20] Asymmetric, wallwash



DOC200-GB



DAC200-GB



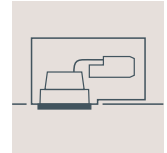
Rotation



Tilt angle

**Mounting accessories for DOC200-GB::**  
Pre-installation blockouts

**Type I:**  
Luminaire faceplate remains proud (18 mm) of ceiling



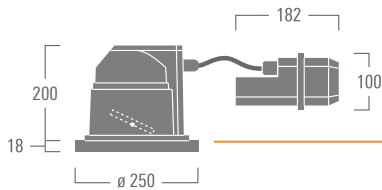
**Type II:**  
For flush luminaire installation



**Type III:**  
For flush with shadow line installation

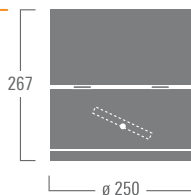


DOC240-GB



[B] [M] [EE] [EES] [A20]  
18 W  
1550-1960 lm  
Max. 1 internal accessory

DAC240-GB



[B] [M] [EE] [EES] [A20]  
18 W  
1550-2050 lm  
Max. 1 internal accessory



- For detailed specifications, product codes and latest performance data, refer to [www.we-ef.com](http://www.we-ef.com)
- Shown above are rated lumens for 3000 K at  $T_q = 25^\circ\text{C}$
- For accessories, refer to page 151



Luminaire housing:	Marine-grade, die-cast aluminium alloy, aluminium extrusion
Corrosion protection:	5CE, including PCS hardware
Driver:	Integral EC electronic converter in thermally separated compartment
Main lens:	Safety glass. DAC200 – Safety glass hinged, frame with safety catch
Gasketing:	Silicone rubber gasket
Optics:	CAD-optimised for superior illumination and glare control OLC® One LED Concept
Installation:	Two cable entries. Luminaire suitable for chlorine containing environments e.g. swimming pools, on request. Must be specified at time of ordering
Control:	Optional DALI version available. To be specified at time of ordering

DAC100	CLASS I	IP66	IK07
DAC200	CLASS I	IP65	IK07

Steinmüller passage  
Gummersbach (DE)

Available distributions:  
[B] [M] [EE] [EES] [A20]

Standard colours:



RAL 9004 9006 9007 7016 9016



- [B] Symmetric, wide beam
- [M] Symmetric, medium beam
- [EE] Symmetric, very narrow beam
- [EES] Symmetric, very narrow beam, 'sharp cut-off'
- [A20] Asymmetric, wallwash

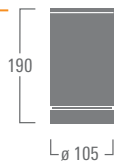


DAC100



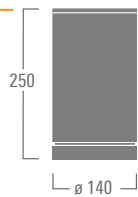
DAC200

DAC110

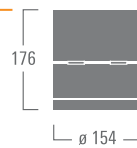


[B] [M] [EE] [EES]  
 12 W  
 552-1370 lm  
 Max. 1 internal accessory

DAC120

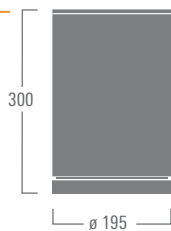


DAC220

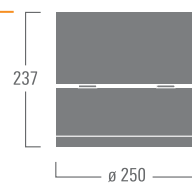


[B] [M] [EE] [EES] [A20]  
 24 W  
 2040-2610 lm  
 Max. 1 internal accessory

DAC140



DAC240



[B] [M] [EE] [EES] [A20]  
 48 W  
 4115-5460 lm  
 Max. 1 internal accessory



- For detailed specifications, product codes and latest performance data, refer to [www.we-ef.com](http://www.we-ef.com)
- Shown above are rated lumens for 3000 K at  $T_q = 25^\circ\text{C}$
- For accessories, refer to page 151





Luminaire housing:	Marine-grade, die-cast aluminium alloy, aluminium extrusion
Corrosion protection:	5CE, including PCS hardware
Driver:	Integral EC electronic converter in thermally separated compartment
Main lens:	Safety glass.
Gasketing:	Silicone rubber gasket
Optics:	CAD-optimised for superior illumination and glare control OLC® One LED Concept
Installation:	Two cable entries.
Control:	Optional DALI version available. To be specified at time of ordering

CLASS  
I

IP66

IK07

Steinmüller passage  
Gummersbach (DE)

Available distributions:  
[B] [M] [EE] [EES]

Standard colours:



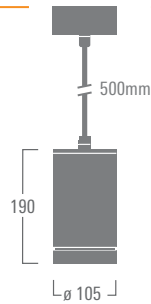
RAL 9004 9006 9007 7016 9016



- [B] Symmetric, wide beam
- [M] Symmetric, medium beam
- [EE] Symmetric, very narrow beam
- [EES] Symmetric, very narrow beam, 'sharp cut-off'

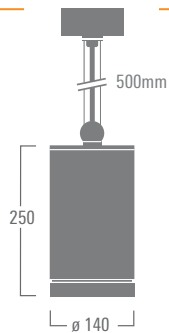


DAS110-PM



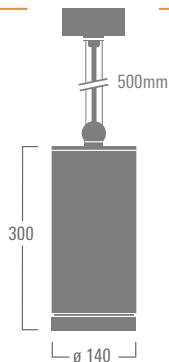
[B] [M] [EE] [EES]  
6-12 W  
550-1370 lm

DAS120-PM



[B] [M] [EE] [EES]  
24 W  
2040-2610 lm

DAS140-PM



[B] [M] [EE] [EES]  
48 W  
4115-5460 lm



- For detailed specifications, product codes and latest performance data, refer to [www.we-ef.com](http://www.we-ef.com)
- Shown above are rated lumens for 3000 K at  $T_q = 25^\circ\text{C}$
- For accessories, refer to page 151

## Installation accessories

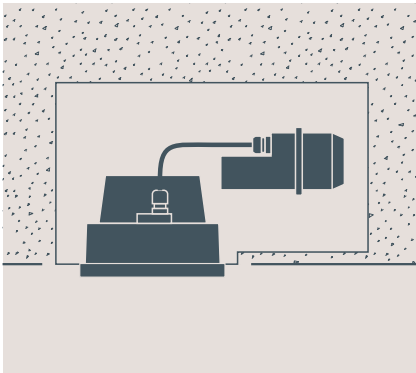
The installation of recessed ceiling luminaires can be problematic due to rough site conditions during the civil construction phase. WE-EF has developed this unique range of installation blockouts, to be integrated in concrete structures during the initial phase of construction.

Later, after the site has been cleared of mortar, sand and debris, the electrician can unpack the luminaire for a fast, easy and cost-saving installation.

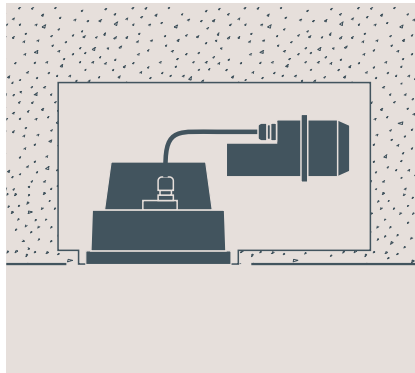
### Installation blockouts:

**Type I / Type III** – for DOC100

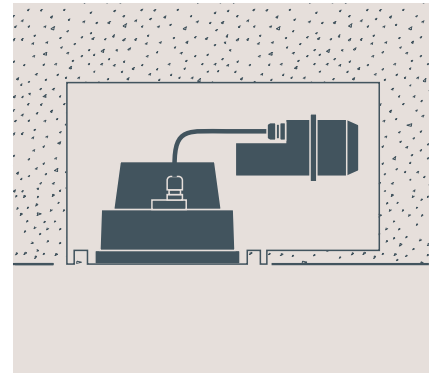
**Type I / Type II / Type III** – for DOC200



**Type I** – proud



**Type II** – flush



**Type III** – flush with shadow line



Installation blockout Type I with recessed ceiling luminaire DOC140

### Installation blockout

When using Type I blockout, the luminaire frame is not flush with the ceiling surface.

DOC100: Luminaire frame raised 2.5-3 mm

DOC200: Luminaire frame raised 18-19 mm

## Internal optical accessories

Max. 1 accessory. Factory installed. To be specified at time of ordering.

DOC100  
 DOC100-FT  
 DOC100-FT TW  
 DOC200-GB  
 DOC200



DAC100  
 DAC200-GB  
 DAC200



DAS100-PM



**Honeycomb louvre**  
 for [M] [EE] [EES]



**Linear spread lens**  
 for [M] [EE] [EES]



**Flood lens**  
 for [M] [EE] [EES]



**Wallwash lens**  
 for [M]





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Germany

Tel +49 5194 909 0

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[www.we-ef.com](http://www.we-ef.com)

