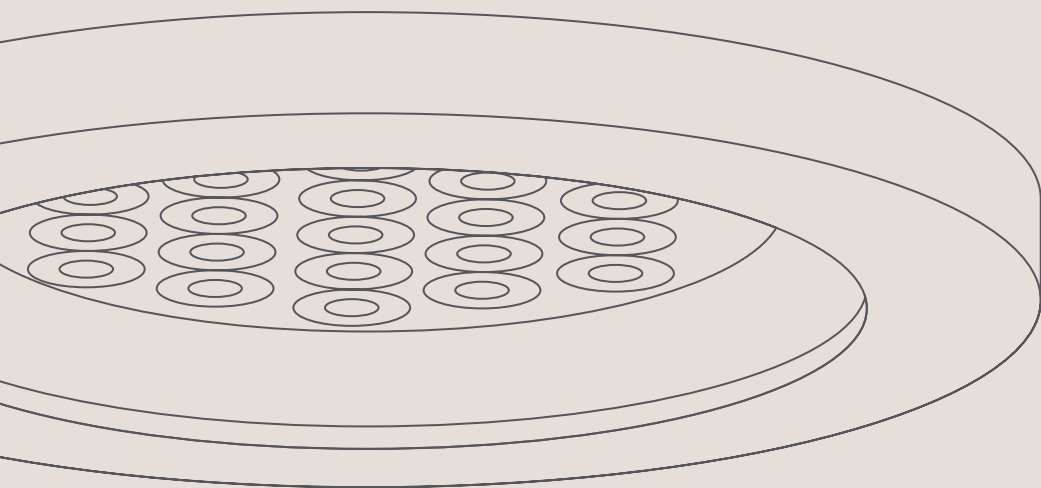

we-ef

WE-EF LIGHTING USA

General Catalog

North American Edition

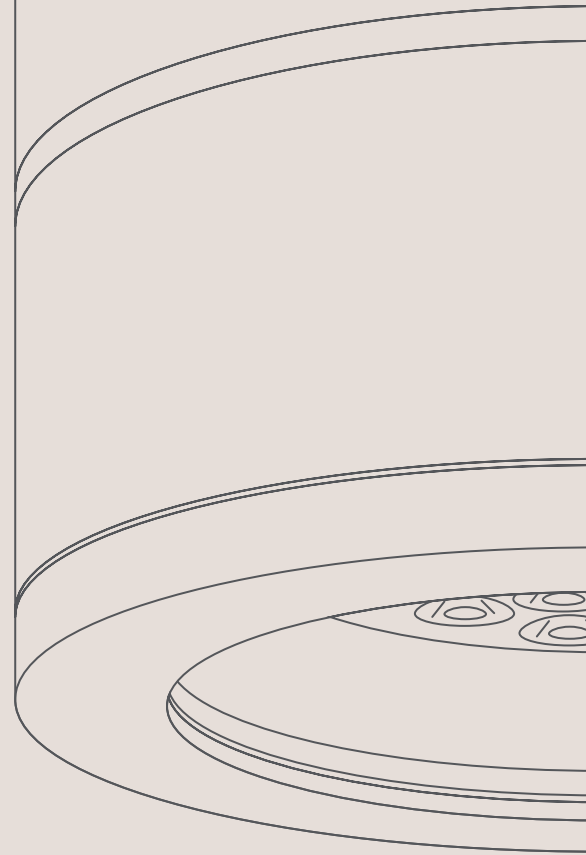




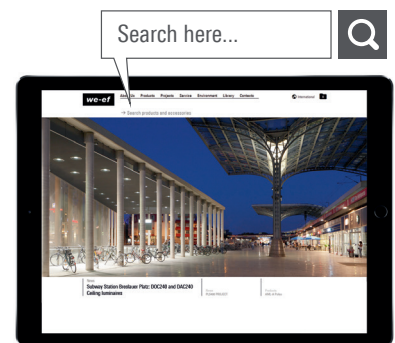
Whether recessed or surface mounted, WE-EF ceiling luminaires enable the seamless continuation of lighting concepts from the interior to the exterior.

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	152
DOC100-FT / DOC200-FT	154
DOC100-FT TW	158
DOC200-GB / DAC200-GB	160
DAC100 / DAC200	162



Ceiling luminaires

For detailed specifications, product codes and latest performance data, refer to 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 aluminum 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-optimized 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
DOC100:	The luminaire is not suitable for chlorine containing environments e.g. swimming pools
DOC200:	Luminaire suitable for chlorine containing environments e.g. swimming pools, on request. Must be specified at time of ordering
Control:	Optional 0-10V dimming 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:
[W] [M] [VN] [VNS] [A20]

Standard colors:



RAL 9004 9007 8019 9016



- [W] Symmetric, wide beam
- [M] Symmetric, medium beam
- [VN] Symmetric, very narrow beam
- [VNS] Symmetric, very narrow beam, 'sharp cut-off'
- [A20] Asymmetric, wallwash

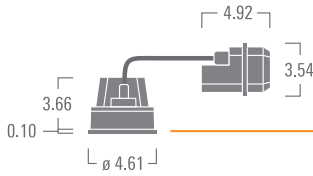


DOC100



DOC200

DOC110

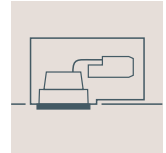


[W] [M] [VN] [VNS] [A20]

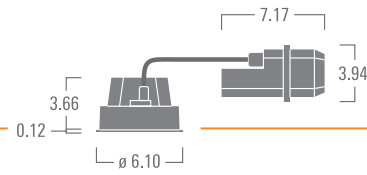
12 W
970-1370 lm
Max. 1 internal accessory

Mounting accessories:
Pre-installation blockouts

Type I:
Luminaire faceplate remains proud (0.1-0.71) of ceiling



DOC120



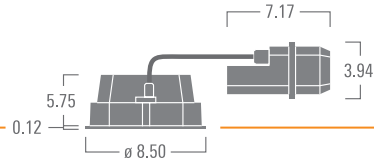
[W] [M] [VN] [VNS] [A20]

24 W
2040-2610 lm
Max. 1 internal accessory

Type II:
For flush luminaire installation



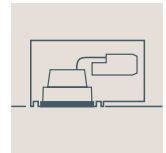
DOC140



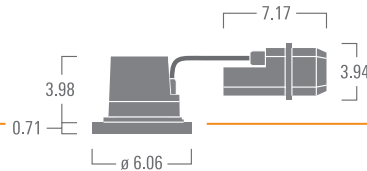
[W] [M] [VN] [VNS] [A20]

48 W
4120-5460 lm
Max. 1 internal accessory

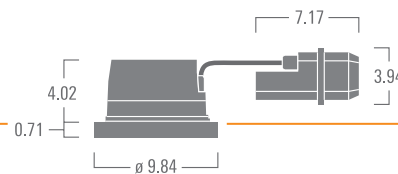
Type III:
For flush with shadow line installation



DOC220



DOC240



[W] [M] [VN] [VNS] [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
- Shown above are rated lumens for 3000 K at $T_q = 25^\circ\text{C}$
- For accessories, refer to page 165



Luminaire housing:	Marine-grade, die-cast aluminum 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 anodized aluminum 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
DOC100:	The luminaire is not suitable for chlorine containing environments e.g. swimming pools
DOC200:	Luminaire suitable for chlorine containing environments e.g. swimming pools, on request. Must be specified at time of ordering
Technology:	Darklight Reflector Technology
Control:	Optional 0-10V dimming version available. To be specified at time of ordering

CLASS
I

IP66

IK07

Available distributions:
[W] [M] [N]

Standard colors:


 RAL 9004 9007 8019 9016



- [W] Symmetric, wide beam
- [M] Symmetric, medium beam
- [N] Symmetric, narrow beam

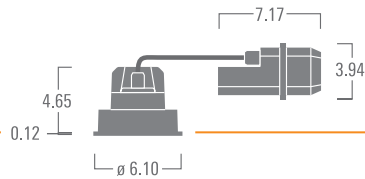


DOC100-FT



DOC200-FT

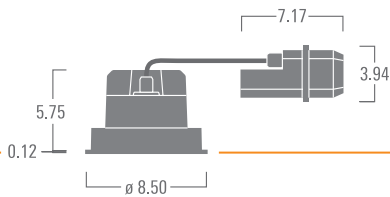
DOC120-FT



[W] [M] [N]

17-24 W
820-2420 lm
Max. 1 internal accessory

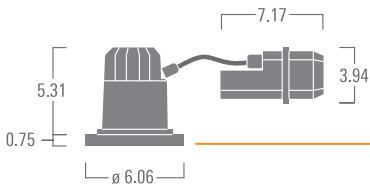
DOC140-FT



[W] [M] [N]

24-37 W
1290-3430 lm
Max. 1 internal accessory

DOC220-FT



[W]

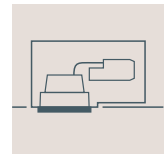
24 W
2430 lm

Mounting accessories:

Pre-installation blockouts

Type I:

Luminaire faceplate remains proud (0.1-0.75) of ceiling



Type II:

For flush luminaire installation



Type III:

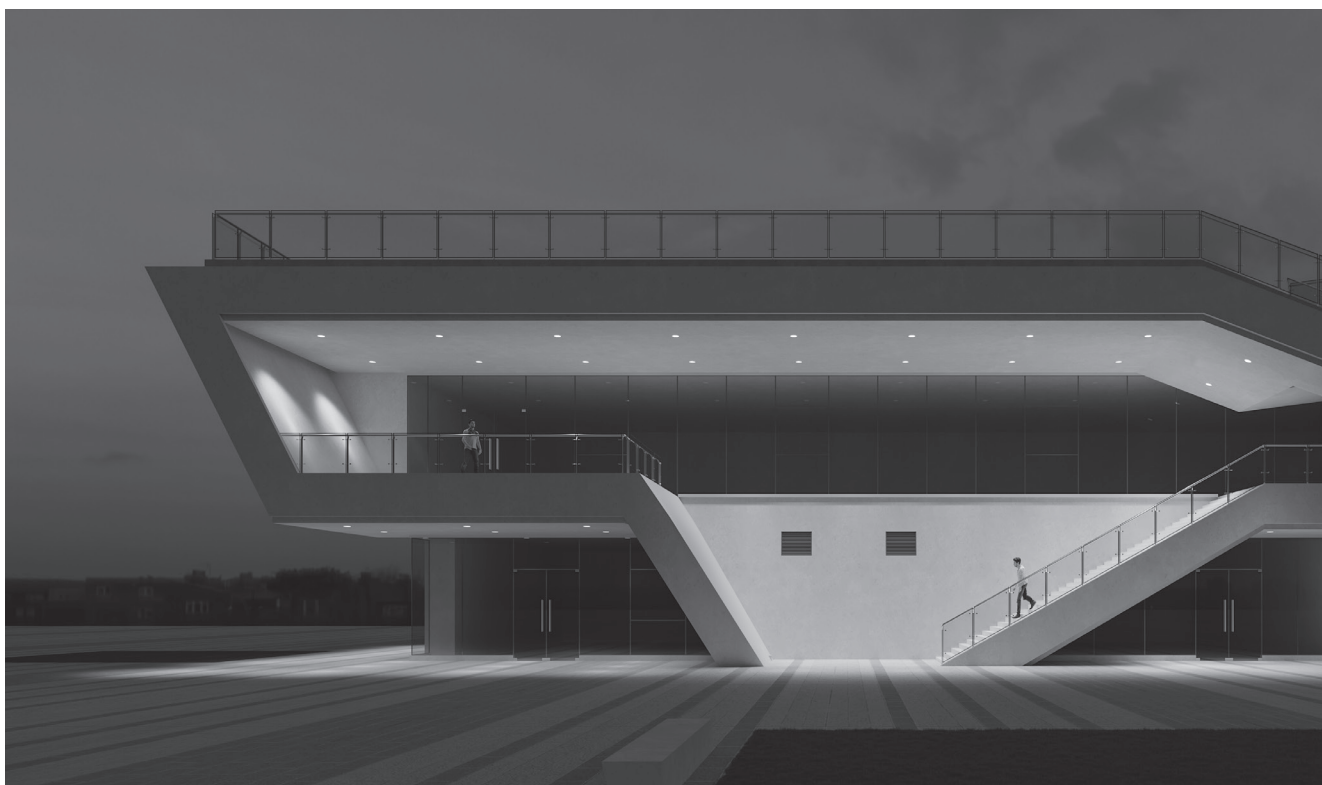
For flush with shadow line installation

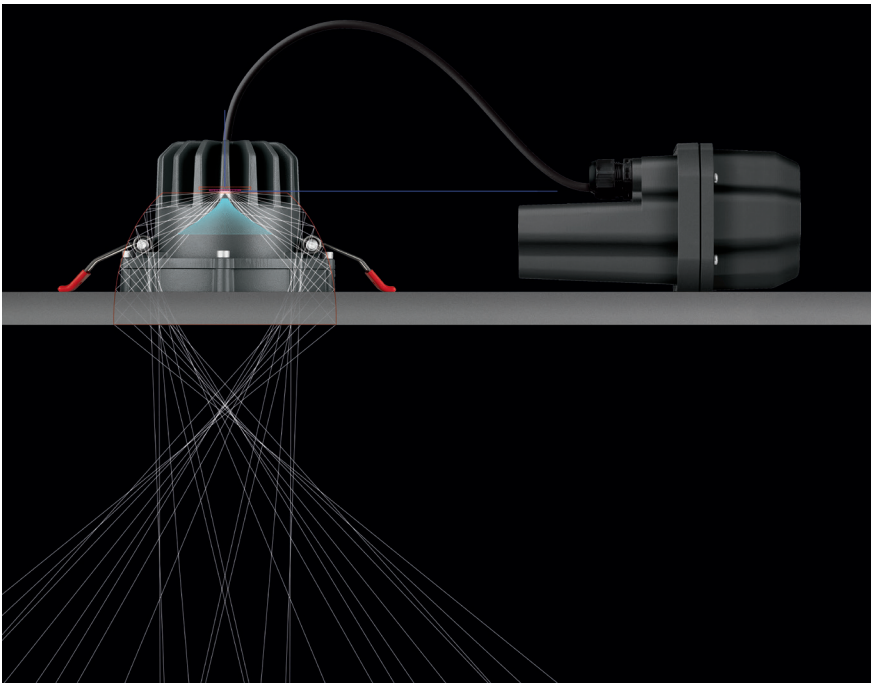


- For detailed specifications, product codes and latest performance data, refer to www.we-ef.com
- Shown above are rated lumens for 3000 K at $T_q = 25^\circ\text{C}$
- For accessories, refer to page 165

Architecture made to shine

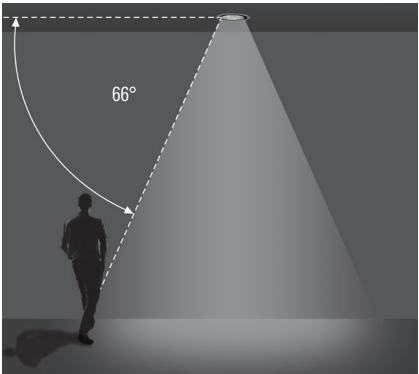
In modern architecture, exterior spaces are often an extension of the interior - and vice versa. Unobtrusive luminaires such as the WE-EF DOC100 downlight series are ideal tools for making the architecture take center stage. A host of available light distributions and controls allow effective illumination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



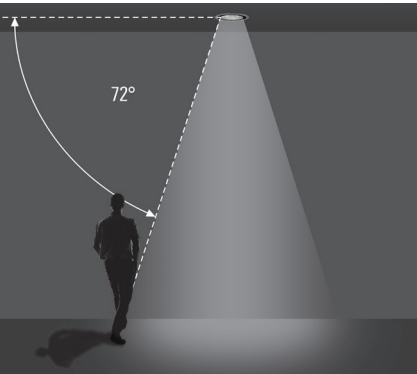


DOC100-FT Darklight ray-tracing

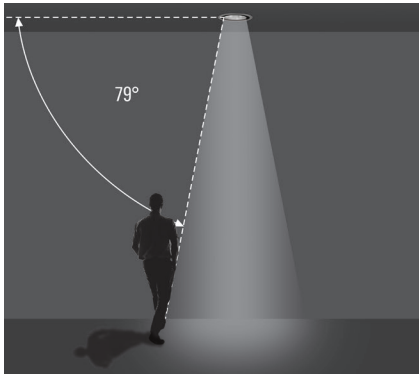
This CAD ray-tracing simulation demonstrates the darklight reflector's combined light control and shielding qualities. While the former quality ensures uniform illumination of the target surface, the latter prevents direct eye contact with the light source.



[W] Wide beam
66° shielding angle



[M] Medium beam
72° shielding angle



[N] Narrow beam
79° shielding angle



- Luminaire housing: Marine-grade, die-cast aluminum 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 anodized aluminum 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 pools
- Technology: WE-EF Tunable White Technology – stabilizes luminous flux throughout 2700 K - 6000 K
Darklight Reflector Technology; refer to page 374
- Control: DMX

CLASS
I

IP66

IK07

Available distributions:
[W] [M] [N]

Standard colors:





 RAL 9004 9007 8019 9016



- [W] Symmetric, wide beam
- [M] Symmetric, medium beam
- [N] Symmetric, narrow beam

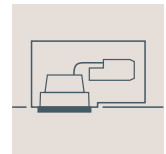


Mounting accessories:

Pre-installation blockouts

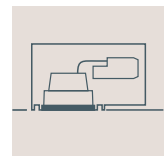
Type I:

Luminaire faceplate remains proud (0.12) of ceiling

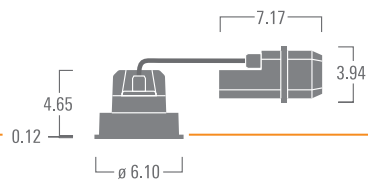


Type III:

For flush with shadow line installation



DOC120-FT TW



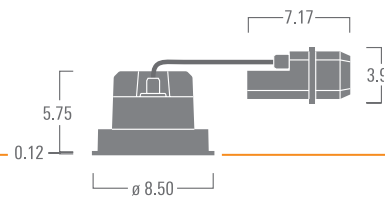
[W] [M] [N]

17 W

480-1110 lm

Max. 1 internal accessory

DOC140-FT TW



[W] [M] [N]

24 W

950-1860 lm

Max. 1 internal accessory



- For detailed specifications, product codes and latest performance data, refer to www.we-ef.com
- Shown above are rated lumens for 3000 K at $T_q = 25^\circ\text{C}$
- For accessories, refer to page 165



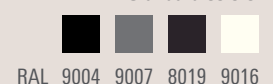
Luminaire housing:	Marine-grade, die-cast aluminum alloy
Corrosion protection:	5CE, including PCS hardware
Driver:	Integral EC electronic converter in thermally separated compartment
Main lens:	Safety glass hinged, frame with safety catch
Gasketing:	Silicone rubber gasket
Optics:	CAD-optimized for superior 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 0-10V dimming 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:
[W] [M] [VN] [VNS] [A20]

Standard colors:



RAL 9004 9007 8019 9016



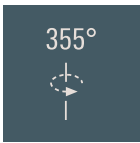
- [W] Symmetric, wide beam
- [M] Symmetric, medium beam
- [VN] Symmetric, very narrow beam
- [VNS] Symmetric, very narrow beam, 'sharp cut-off'
- [A20] Asymmetric, wallwash



DOC200-GB



DAC200-GB



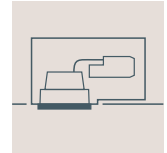
Rotation



Tilt angle

Mounting accessories for DOC200-GB:
Pre-installation blockouts

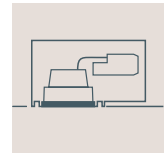
Type I:
Luminaire faceplate remains proud (0.71 mm) of ceiling



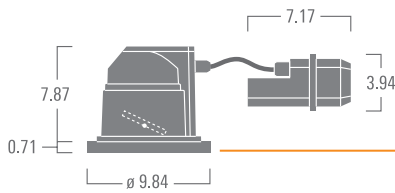
Type II:
For flush luminaire installation



Type III:
For flush with shadow line installation

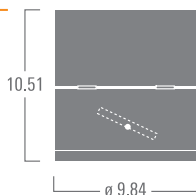


DOC240-GB



[W] [M] [VN] [VNS] [A20]
18 W
1550-1960 lm
Max. 1 internal accessory

DAC240-GB



[W] [M] [VN] [VNS] [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
- Shown above are rated lumens for 3000 K at $T_q = 25^\circ\text{C}$
- For accessories, refer to page 165



Luminaire housing:	Marine-grade, die-cast aluminum alloy
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-optimized 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 0-10V dimming version available. To be specified at time of ordering

CLASS
I

IP65

IK07

Steinmüller passage
Gammersbach (DE)

Available distributions:
[W] [M] [VN] [VNS] [A20]

Standard colors:



RAL 9004 9007 8019 9016



- [W] Symmetric, wide beam
- [M] Symmetric, medium beam
- [VN] Symmetric, very narrow beam
- [VNS] Symmetric, very narrow beam, 'sharp cut-off'
- [A20] Asymmetric, wallwash

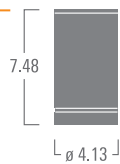


DAC100



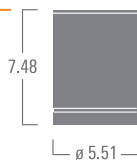
DAC200

DAC110

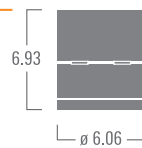


[W] [M] [VN] [VNS] [A20]
 6-12 W
 552-1370 lm
 Max. 1 internal accessory

DAC120

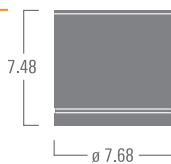


DAC220

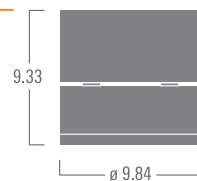


[W] [M] [VN] [VNS] [A20]
 24 W
 2040-2610 lm
 Max. 1 internal accessory

DAC140



DAC240



[W] [M] [VN] [VNS] [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
- Shown above are rated lumens for 3000 K at $T_q = 25^\circ\text{C}$
- For accessories, refer to page 165

Installation accessories

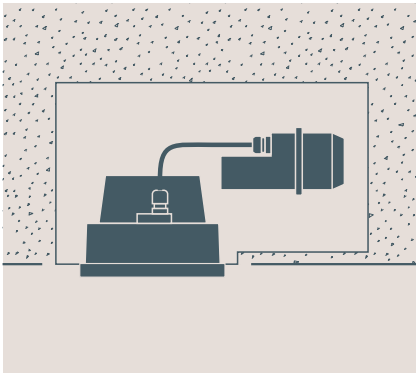
The installation of recessed ceiling luminaires can be problematic due to rough site conditions during the civil construction phase. WE-EF has developed this unique range of installation blockouts, to be integrated in concrete structures during the initial phase of construction.

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.

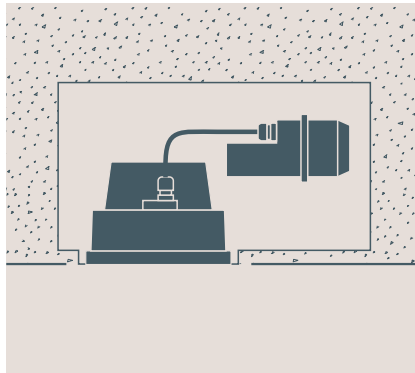
Installation blockouts:

Type I / Type III – for DOC100

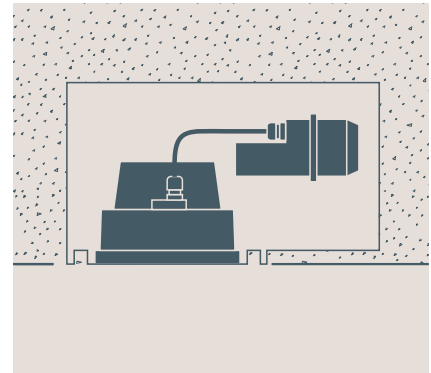
Type I / Type II / Type III – for DOC200



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 0.10-0.12 mm

DOC200: Luminaire frame raised 0.71-0.75 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



Honeycomb louvre
 for [M] [VN] [VNS]



Linear spread lens
 for [M] [VN] [VNS]



Flood lens
 for [M] [VN] [VNS]



Wallwash lens
 for [M]



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