

**we-ef**

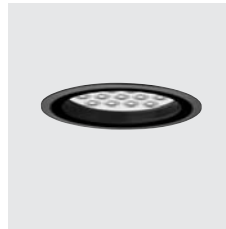
**WE-EF LEUCHTEN**  
**General Catalogue**  
European Edition  
2019



## IOS® Beam distributions for ceiling luminaires

- [E] narrow beam, symmetric
- [B] wide beam, symmetric
- [M] medium beam, symmetric
- [EE] very narrow beam, symmetric
- [EES] very narrow beam, symmetric, 'sharp cut-off'
- [A20] wallwash, asymmetric

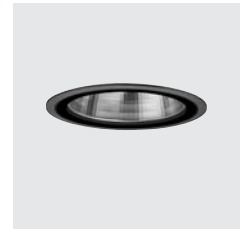
# Ceiling luminaires



DOC100 102



DOC100 Darklight 104



DOC100 Darklight + Tunable White 106



DOC200 108



DOC200 Gimbal 110



DOC200 Darklight 112



DAC200 114



DAC200 Gimbal 116

## DOC100 SERIES

Downlight, wide, medium, very narrow or very narrow beam distribution 'sharp cut-off', symmetric.

IP66, Class I. IK07. Marine-grade, die-cast aluminium alloy. 5CE superior corrosion protection including PCS hardware. Powdercoat finish in RAL 7016, RAL 9004, RAL 9006, RAL 9007 or RAL 9016. Silicone rubber gasket. Safety glass lens, hinged. Frame with safety catch. Two cable entries.

EC electronic converter in thermally separated compartment.

Factory installed LED circuit board. LED boards can be easily removed for upgrading. PMMA LED lens array. The luminaire is factory sealed and does not need to be opened during the installation.

A pre-installation blockout, proud or flush, is available and recommended for mounting in concrete ceilings. To be ordered separately.

Luminaires suitable for installation in chlorine-containing environments i.e., in swimming pools, on request. Must be specified at time of ordering.

### Light source

LED 12-48 W, 3000 K,  
for 4000 K refer to [www.we-ef.com](http://www.we-ef.com)

### Light distributions

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

### Accessories

- Mounting, page 118
- Optical, page 119





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

- [B] Wide beam distribution, symmetric
- [M] Medium beam distribution, symmetric
- [EE] Very narrow beam distribution, symmetric
- [EES] Very narrow beam distribution, symmetric, 'sharp cut-off'



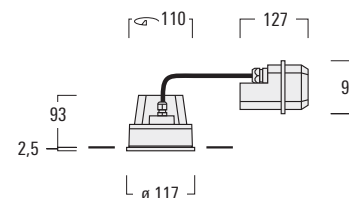
[B]	Part ID	Light source	K	lm*	cd/klm	C <sub>0</sub> C <sub>180</sub>	kg
DOC110	134-1625	6 LED 12W / 700 mA	3000	1476	934	25°/25°	1.3
DOC120	134-1737	12 LED 24W / 700 mA	3000	2951	920	25°/25°	2.3
DOC140	134-1750	24 LED 48W / 700 mA	3000	5903	934	25°/25°	4.0

[M]	Part ID	Light source	K	lm*	cd/klm	C <sub>0</sub> C <sub>180</sub>	kg
DOC110	134-1627	6 LED 12W / 700 mA	3000	1476	2196	16°/16°	1.3
DOC120	134-1739	12 LED 24W / 700 mA	3000	2951	2196	16°/16°	2.3
DOC140	134-1752	24 LED 48W / 700 mA	3000	5903	2196	16°/16°	4.0

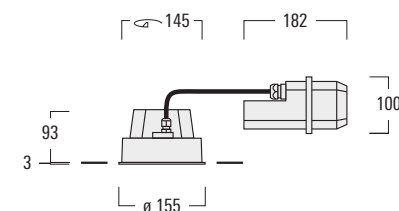
[EE]	Part ID	Light source	K	lm*	cd/klm	C <sub>0</sub> C <sub>180</sub>	kg
DOC110	134-1631	6 LED 12W / 700 mA	3000	1476	7207	7°/7°	1.3
DOC120	134-1741	12 LED 24W / 700 mA	3000	2951	7191	7°/7°	2.3
DOC140	134-1756	24 LED 48W / 700 mA	3000	5903	7207	7°/7°	4.0

[EES]	Part ID	Light source	K	lm*	cd/klm	C <sub>0</sub> C <sub>180</sub>	kg
DOC110	134-1633	6 LED 12W / 700 mA	3000	1476	22108	5°/5°	1.3
DOC120	134-1743	12 LED 24W / 700 mA	3000	2951	20398	5°/5°	2.3
DOC140	134-1758	24 LED 48W / 700 mA	3000	5903	22108	5°/5°	4.0

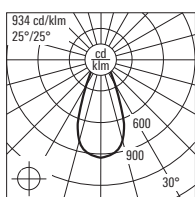
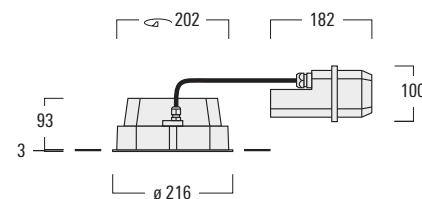
DOC110



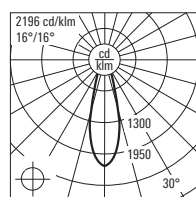
DOC120



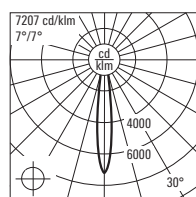
DOC140



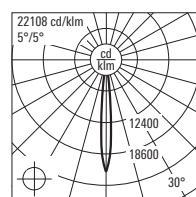
[B]



[M]



[EE]



[EES]

\* Nominal lumen output based on LED manufacturers data at 85°C T<sub>j</sub>. For rated lumens at 25°C T<sub>a</sub> and latest data refer to [www.we-ef.com](http://www.we-ef.com).

## DOC100 DARKLIGHT SERIES

Downlight, wide, medium or narrow beam distribution, symmetric.

IP66, Class I. IK07. Marine-grade, die-cast aluminium alloy. 5CE superior corrosion protection including PCS hardware. Powdercoat finish in RAL 7016, RAL 9004, RAL 9006, RAL 9007 or RAL 9016. Silicone CCG® Controlled Compression Gasket. Safety glass lens.

Two cable entries.

EC electronic converter in thermally separated compartment.

Darklight anodised aluminium reflector for superior illumination and glare control.

Factory installed LED circuit board

The luminaire is factory sealed and does not need to be opened during the installation.

A pre-installation blackout, proud or flush, is available and recommended for mounting in concrete ceilings. To be ordered separately.

Luminaires suitable for installation in chlorine-containing environments i.e., in swimming pools, on request. Must be specified at time of ordering.

### Light source

LED-FT 17-37 W, 3000 K,  
for 4000 K refer to [www.we-ef.com](http://www.we-ef.com)

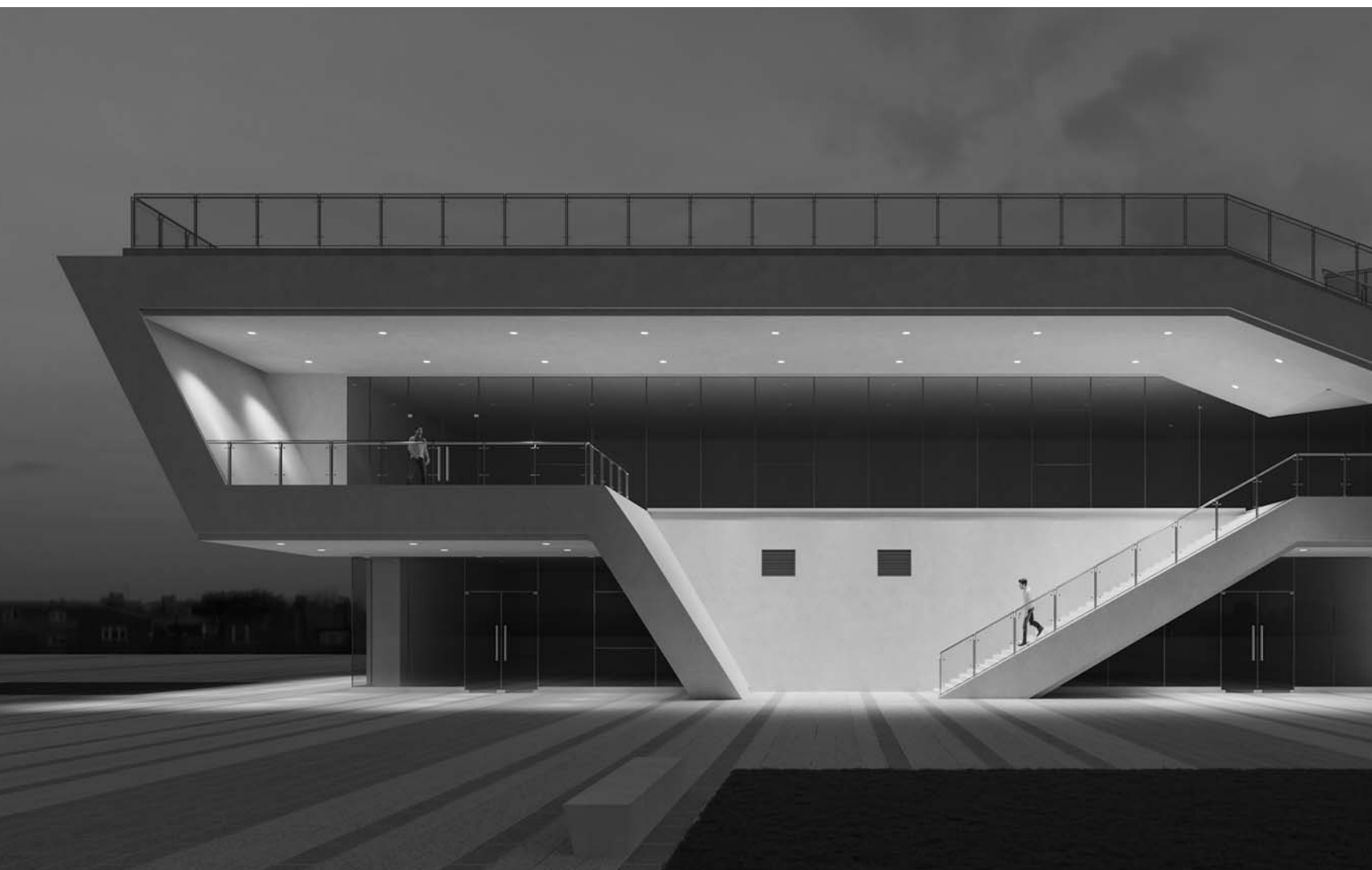
### Light distributions

[B] [M] [E]

### Accessories

■ Mounting, page 118

■ Optical, page 119





- [B] Wide beam distribution, symmetric
- [M] Medium beam distribution, symmetric
- [E] Narrow beam distribution, symmetric

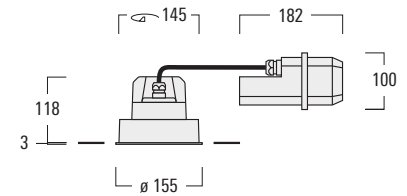


[B]	Part ID	Light source	K	lm*	cd/klm	C <sub>0</sub> C <sub>180</sub>	kg
DOC120	134-1855	LED-FT 17W / 500 mA	3000	3070	689	29°/29°	2.3
DOC120	134-1861	LED-FT 24W / 700 mA	3000	4220	689	29°/29°	2.3
DOC140	134-1798	LED-FT 24W / 700 mA	3000	4340	868	24°/24°	2.8
DOC140	134-1804	LED-FT 37W / 1050 mA	3000	6380	868	24°/24°	2.8

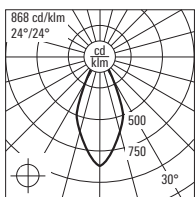
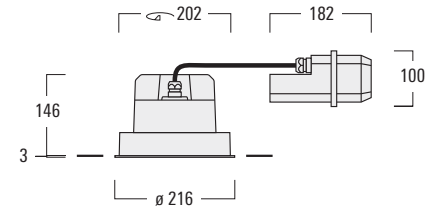
[M]	Part ID	Light source	K	lm*	cd/klm	C <sub>0</sub> C <sub>180</sub>	kg
DOC120	134-1857	LED-FT 17W / 500 mA	3000	3070	1617	15°/15°	2.3
DOC120	134-1863	LED-FT 24W / 700 mA	3000	4220	1617	15°/15°	2.3
DOC140	134-1800	LED-FT 24W / 700 mA	3000	4380	1607	16°/16°	2.8
DOC140	134-1806	LED-FT 37W / 1050 mA	3000	6380	1607	16°/16°	2.8

[E]	Part ID	Light source	K	lm*	cd/klm	C <sub>0</sub> C <sub>180</sub>	kg
DOC120	134-1859	LED-FT 17W / 500 mA	3000	3070	2653	9°/9°	2.3
DOC120	134-1865	LED-FT 24W / 700 mA	3000	4220	2653	9°/9°	2.3
DOC140	134-1802	LED-FT 24W / 700 mA	3000	4380	4467	7°/7°	2.8
DOC140	134-1808	LED-FT 37W / 1050 mA	3000	6380	4467	7°/7°	2.8

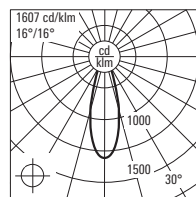
DOC120



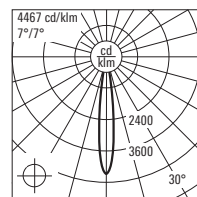
DOC140



[B]



[M]



[E]

\* Nominal lumen output based on LED manufacturers data at 85°C T<sub>J</sub>. For rated lumens at 25°C T<sub>q</sub> and latest data refer to [www.we-ef.com](http://www.we-ef.com).

## DOC100 DARKLIGHT TUNABLE WHITE SERIES

Downlight, wide, medium or narrow beam distribution, symmetric.

IP66, Class I, IK07. Marine-grade, die-cast aluminium alloy. 5CE superior corrosion protection including PCS hardware. Powdercoat finish in RAL 7016, RAL 9004, RAL 9006, RAL 9007 or RAL 9016. Silicone CCG® Controlled Compression Gasket. Safety glass lens.

Two cable entries.

EC electronic converter in thermally separated compartment.

Darklight anodised aluminium reflector for superior illumination and glare control.

Factory installed LED circuit board. Tunable White Technology. DALI Interface.

The luminaire is factory sealed and does not need to be opened during the installation.

A pre-installation blackout, proud or flush, is available and recommended for mounting in concrete ceilings. To be ordered separately.

Luminaires suitable for installation in chlorine-containing environments i.e., in swimming pools, on request. Must be specified at time of ordering.

### Light source

LED-FT 12-24 W, 2700-6000 K

### Light distributions

[B] [M] [E]

### Accessories

■ Mounting, page 118

■ Optical, page 119







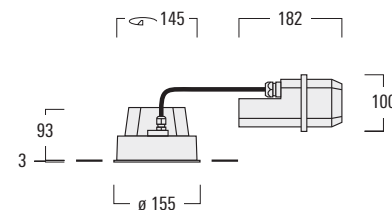
[B] [M] [E]

- [B] Wide beam distribution, symmetric
- [M] Medium beam distribution, symmetric
- [E] Narrow beam distribution, symmetric

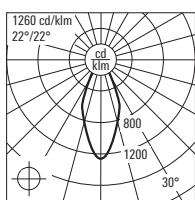
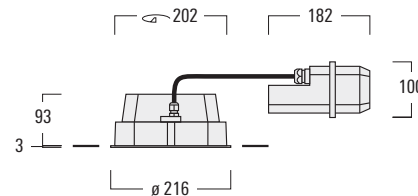


[B]	Part ID	Light source	K	lm/p.channel*	cd/klm	C <sub>0</sub> C <sub>180</sub>	kg
DOC120-TW	134-1868	LED-FT 17W / 500 mA	2700-6000	1700/1900	821	27°/27°	2.3
DOC140-TW	134-1810	LED-FT 24W / 700 mA	2700-6000	2560/2845	1260	22°/22°	2.8
[M]	Part ID	Light source	K	lm/p.channel*	cd/klm	C <sub>0</sub> C <sub>180</sub>	kg
DOC120-TW	134-1871	LED-FT 17W / 500 mA	2700-6000	1700/1900	1923	14°/14°	2.3
DOC140-TW	134-1812	LED-FT 24W / 700 mA	2700-6000	2560/2845	2209	15°/15°	2.8
[E]	Part ID	Light source	K	lm/p.channel*	cd/klm	C <sub>0</sub> C <sub>180</sub>	kg
DOC120-TW	134-1874	LED-FT 17W / 500 mA	2700-6000	1700/1900	2841	8°/8°	2.3
DOC140-TW	134-1814	LED-FT 24W / 700 mA	2700-6000	2560/2845	4636	7°/7°	2.8

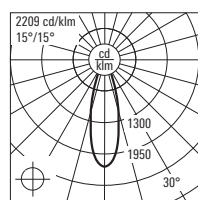
DOC120



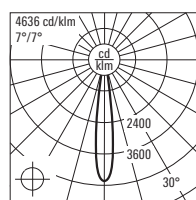
DOC140



[B]



[M]



[E]

\* Nominal lumen output based on LED manufacturers data at 85°C T<sub>J</sub>. For rated lumens at 25°C T<sub>q</sub> and latest data refer to [www.we-ef.com](http://www.we-ef.com).

## DOC200 SERIES

Downlight, wide, medium, very narrow beam or very narrow beam distribution 'sharp cut-off', symmetric.

IP66, Class I. IK07. Marine-grade, die-cast aluminium alloy. 5CE superior corrosion protection including PCS hardware. Powdercoat finish in RAL 7016, RAL 9004, RAL 9006, RAL 9007 or RAL 9016. Silicone rubber gasket. Safety glass lens, hinged. Frame with safety catch. Two cable entries.

EC electronic converter in thermally separated compartment.

Factory installed LED circuit board. LED boards can be easily removed for upgrading. PMMA LED lens array.

A pre-installation blockout, proud or flush, is available and recommended for mounting in concrete ceilings. To be ordered separately.

The luminaire is not suitable for chlorine containing environments e.g. swimming pools.

### Light source

LED 24-48 W, 3000 K,  
for 4000 K refer to [www.we-ef.com](http://www.we-ef.com)

### Light distributions

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

### Accessories

- Mounting, page 118
- Optical, page 119



Metro station Breslauer Platz, Köln (D). Architect: Architekturbüro Bueder + Wenzel Architekten, Köln. Lighting design: Licht Kunst Licht, Bonn/Berlin.



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

- [B] Wide beam distribution, symmetric
- [M] Medium beam distribution, symmetric
- [EE] Very narrow beam distribution, symmetric
- [EES] Very narrow beam distribution, symmetric, 'sharp cut-off'



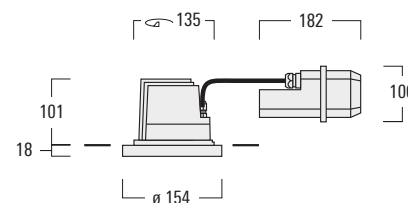
[B]	Part ID	Light source	K	lm*	cd/klm	C <sub>0</sub> C <sub>180</sub>	kg
DOC220	134-1332	12 LED 24W / 700 mA	3000	2951	920	25°/25°	2.1
DOC240	134-1396	24 LED 48W / 700 mA	3000	5903	934	25°/25°	4.0

[M]	Part ID	Light source	K	lm*	cd/klm	C <sub>0</sub> C <sub>180</sub>	kg
DOC220	134-1210	12 LED 24W / 700 mA	3000	2951	2196	16°/16°	2.1
DOC240	134-1398	24 LED 48W / 700 mA	3000	5903	2196	16°/16°	4.0

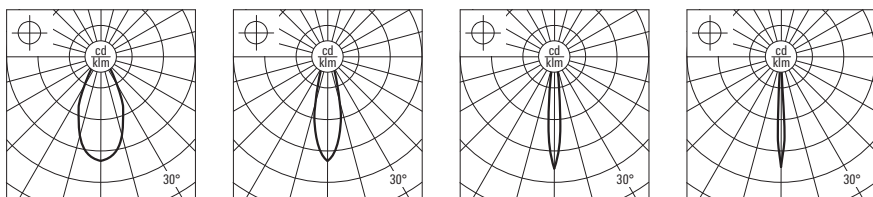
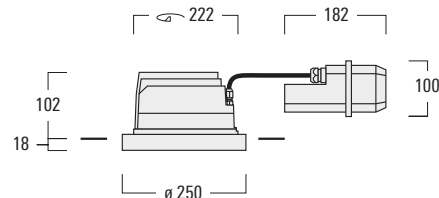
[EE]	Part ID	Light source	K	lm*	cd/klm	C <sub>0</sub> C <sub>180</sub>	kg
DOC220	134-1335	12 LED 24W / 700 mA	3000	2951	7191	7°/7°	2.1
DOC240	134-1400	24 LED 48W / 700 mA	3000	5903	7207	7°/7°	4.0

[EES]	Part ID	Light source	K	lm*	cd/klm	C <sub>0</sub> C <sub>180</sub>	kg
DOC220	134-1211	12 LED 24W / 700 mA	3000	2951	20398	5°/5°	2.1
DOC240	134-1402	24 LED 48W / 700 mA	3000	5903	22108	5°/5°	4.0

DOC220



DOC240



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

\* Nominal lumen output based on LED manufacturers data at 85°C T<sub>j</sub>. For rated lumens at 25°C T<sub>a</sub> and latest data refer to [www.we-ef.com](http://www.we-ef.com).



## DOC200 GIMBAL SERIES

Downlight, wide, medium, very narrow or very narrow beam distribution 'sharp cut-off', symmetric, or wallwash distribution, asymmetric. Tilt and rotatable.

IP66, Class I. IK07. Marine-grade, die-cast aluminium alloy. 5CE superior corrosion protection including PCS hardware. Powdercoat finish in RAL 7016, RAL 9004, RAL 9006, RAL 9007 or RAL 9016. Silicone rubber gasket. Safety glass lens, hinged. Frame with safety catch. Two cable entries.

EC electronic converter in thermally separated compartment.

Factory installed LED circuit board. LED boards can be easily removed for upgrading. PMMA LED lens array. 30° tilt and 355° rotatable.

A pre-installation blockout, proud or flush, is available and recommended for mounting in concrete ceilings. To be ordered separately.

The luminaire is not suitable for chlorine containing environments e.g. swimming pools.

### Light source

LED 18 W, 3000 K,  
for 4000 K refer to [www.we-ef.com](http://www.we-ef.com)

### Light distributions

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

### Accessories

- Mounting, page 118
- Optical, page 119



White City. London (UK). Lighting design: Speirs & Majors Associates.

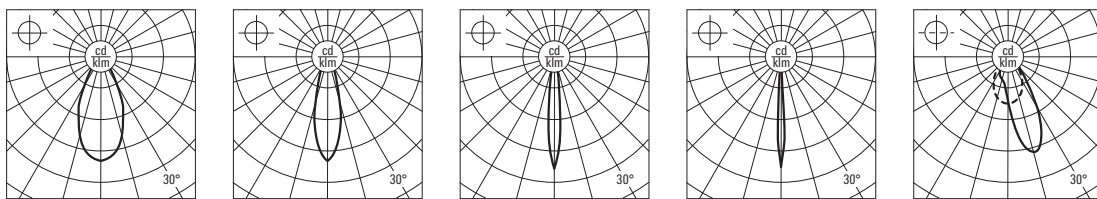
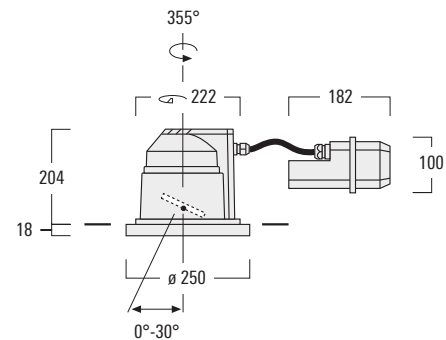


[B] [M] [EE] [EES] [A20]

- [B] Wide beam distribution, symmetric
- [M] Medium beam distribution, symmetric,
- [EE] Very narrow beam distribution, symmetric
- [EES] Very narrow beam distribution, symmetric, 'sharp cut-off'
- [A20] Wallwash distribution, asymmetric



[B]	Part ID	Light source	K	lm*	cd/klm	C <sub>0</sub> C <sub>180</sub>	kg	
DOC240-GB	134-1344	12 LED 18W / 500 mA	3000	2217	920	25°/25°	5.5	
[M]	Part ID	Light source	K	lm*	cd/klm	C <sub>0</sub> C <sub>180</sub>	kg	
DOC240-GB	134-1253	12 LED 18W / 500 mA	3000	2217	2196	16°/16°	5.5	
[EE]	Part ID	Light source	K	lm*	cd/klm	C <sub>0</sub> C <sub>180</sub>	kg	
DOC240-GB	134-1347	12 LED 18W / 500 mA	3000	2217	7191	7°/7°	5.5	
[EES]	Part ID	Light source	K	lm*	cd/klm	C <sub>0</sub> C <sub>180</sub>	kg	
DOC240-GB	134-1256	12 LED 18W / 500 mA	3000	2217	20389	5°/5°	5.5	
[A20]	Part ID	Light source	K	lm*	cd/klm	C <sub>0</sub> C <sub>180</sub>	C <sub>90</sub> C <sub>270</sub>	kg
DOC240-GB	134-1611	12 LED 18W / 500 mA	3000	2217	787	15°/16°	35°/35°	5.5



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

\* Nominal lumen output based on LED manufacturers data at 85°C T<sub>j</sub>. For rated lumens at 25°C T<sub>a</sub> and latest data refer to [www.we-ef.com](http://www.we-ef.com).



## DOC200 DARKLIGHT SERIES

Downlight, wide beam distribution, 'darklight', symmetric.

IP66, Class I. IK07. Marine-grade, die-cast aluminium alloy. 5CE superior corrosion protection including PCS hardware. Powdercoat finish in RAL 7016, RAL 9004, RAL 9006, RAL 9007 or RAL 9016. Silicone rubber gasket. Safety glass lens, hinged. Frame with safety catch. Two cable entries.

Anodised aluminium reflector. PMMA diffusor lens. PMMA LED lens.

EC electronic converter in thermally separated compartment.

A pre-installation blockout, proud or flush, is available and recommended for mounting in concrete ceilings. To be ordered separately.

The luminaire is not suitable for chlorine containing environments e.g. swimming pools.

Light source

LED 24 W, 3000 K,  
for 4000 K refer to [www.we-ef.com](http://www.we-ef.com)

Light distribution

[B]

Accessories

■ Mounting, page 118



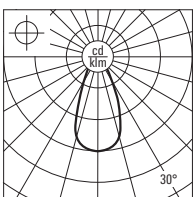
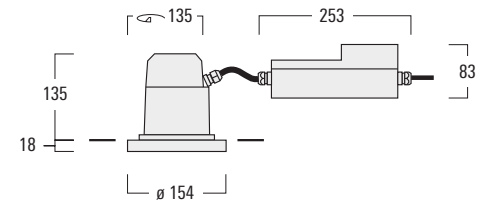
Train station Berlin Südkreuz, Berlin (D). Architect: J.S.K. GmbH, Berlin. Lighting design: DE Consult, Berlin.



[B] Wide beam distribution, symmetric



[B]	Part ID	Light source	K	lm*	cd/klm	C <sub>0</sub> C <sub>180</sub>	kg
DOC220	134-1483	LED-FT 24W / 700 mA	3000	4220	752	25°/25°	2.3



[B]

\* Nominal lumen output based on LED manufacturers data at 25°C T<sub>c</sub>. For rated lumens at 25°C T<sub>q</sub> and latest data refer to [www.we-ef.com](http://www.we-ef.com).

## DAC200 SERIES

Surface mounted downlight, wide, medium, very narrow or very narrow beam  
'sharp cut-off' distribution, symmetric.

IP65, Class I. IK07. Marine-grade die-cast aluminium alloy. 5CE superior corrosion protection including PCS hardware. Powdercoat finish in RAL 7016, RAL 9004, RAL 9006, RAL 9007 or RAL 9016. Silicone rubber gasket. Safety glass lens, hinged. Frame with safety catch. Two cable entries.

EC electronic converter in thermally separated compartment.

Factory installed LED circuit board. LED boards can be easily removed for upgrading.  
PMMA LED lens array.

The luminaire is not suitable for chlorine containing environments e.g. swimming pools.

### Light source

LED 24-48 W, 3000 K,  
for 4000 K refer to [www.we-ef.com](http://www.we-ef.com)

### Light distributions

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

### Accessories

■ Optical, page 119



Steinmüller passage. Gummersbach (D)





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

[B] Wide beam distribution, symmetric

[M] Medium beam distribution, symmetric

[EE] Very narrow beam distribution, symmetric

[EES] Very narrow beam distribution, symmetric, 'sharp cut-off'



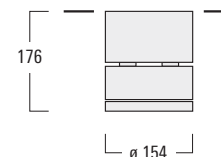
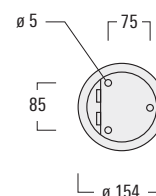
[B]	Part ID	Light source	K	lm*	cd/klm	C <sub>0</sub> C <sub>180</sub>	kg
DAC220	134-1424	12 LED 24W / 700 mA	3000	2951	920	25°/25°	2.9
DAC240	134-1432	24 LED 48W / 700 mA	3000	5903	934	25°/25°	7.6

[M]	Part ID	Light source	K	lm*	cd/klm	C <sub>0</sub> C <sub>180</sub>	kg
DAC220	134-1425	12 LED 24W / 700 mA	3000	2951	2196	16°/16°	2.9
DAC240	134-1433	24 LED 48W / 700 mA	3000	5903	2196	16°/16°	7.6

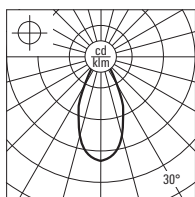
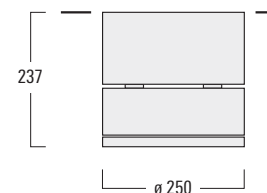
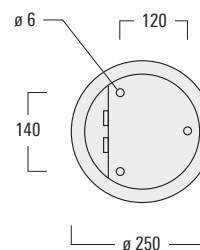
[EE]	Part ID	Light source	K	lm*	cd/klm	C <sub>0</sub> C <sub>180</sub>	kg
DAC220	134-1426	12 LED 24W / 700 mA	3000	2951	7191	7°/7°	2.9
DAC240	134-1434	24 LED 48W / 700 mA	3000	5903	7207	7°/7°	7.6

[EES]	Part ID	Light source	K	lm*	cd/klm	C <sub>0</sub> C <sub>180</sub>	kg
DAC220	134-1427	12 LED 24W / 700 mA	3000	2951	20398	5°/5°	2.9
DAC240	134-1435	24 LED 48W / 700 mA	3000	5903	22108	5°/5°	7.6

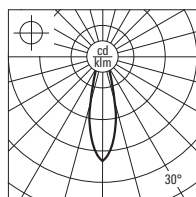
DAC220



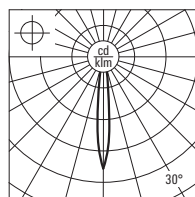
DAC240



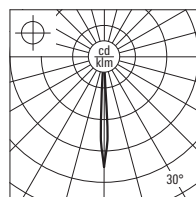
[B]



[M]



[EE]



[EES]

\* Nominal lumen output based on LED manufacturers data at 85°C T<sub>J</sub>. For rated lumens at 25°C T<sub>q</sub> and latest data refer to [www.we-ef.com](http://www.we-ef.com).

## DAC200 GIMBAL SERIES

Surface mounted downlight, wide, medium, very narrow or very narrow beam distribution 'sharp cut-off', symmetric, or wallwash distribution, asymmetric. Tilt and rotatable.

IP65, Class I. IK07. Marine-grade die-cast aluminium alloy. 5CE superior corrosion protection including PCS hardware. Powdercoat finish in RAL 7016, RAL 9004, RAL 9006, RAL 9007 or RAL 9016. Silicone rubber gasket. Safety glass lens, hinged. Frame with safety catch. Two cable entries.

EC electronic converter in thermally separated compartment.

Factory installed LED circuit board. LED boards can be easily removed for upgrading. PMMA LED lens array. 30° tilt and 355° rotatable.

The luminaire is not suitable for chlorine containing environments e.g. swimming pools.

### Light source

LED 18 W, 3000 K,  
for 4000 K refer to [www.we-ef.com](http://www.we-ef.com)

### Light distributions

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

### Accessories

■ Optical, page 119



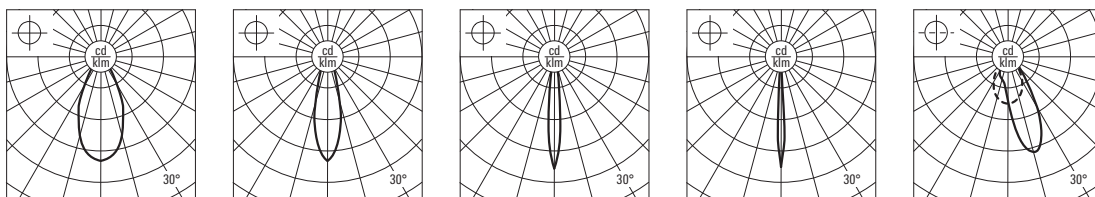
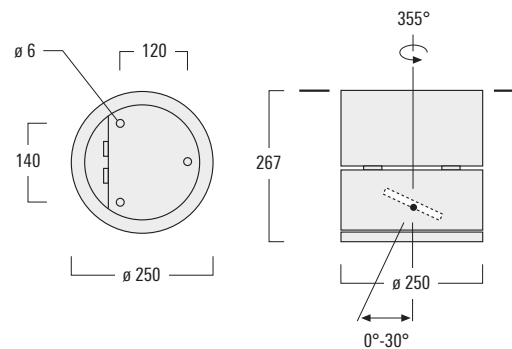


[B] [M] [EE] [EES] [A20]

- [B] Wide beam distribution, symmetric
- [M] Medium beam distribution, symmetric,
- [EE] Very narrow beam distribution, symmetric
- [EES] Very narrow beam distribution, symmetric, 'sharp cut-off'
- [A20] Wallwash distribution, asymmetric



[B]	Part ID	Light source	K	lm*	cd/klm	C <sub>0</sub> C <sub>180</sub>	kg	
DAC240-GB	134-1596	12 LED 18W / 500 mA	3000	2217	934	25°/25°	8.5	
[M]	Part ID	Light source	K	lm*	cd/klm	C <sub>0</sub> C <sub>180</sub>	kg	
DAC240-GB	134-1598	12 LED 18W / 500 mA	3000	2217	2196	16°/16°	8.5	
[EE]	Part ID	Light source	K	lm*	cd/klm	C <sub>0</sub> C <sub>180</sub>	kg	
DAC240-GB	134-1602	12 LED 18W / 500 mA	3000	2217	7191	7°/7°	8.5	
[EES]	Part ID	Light source	K	lm*	cd/klm	C <sub>0</sub> C <sub>180</sub>	kg	
DAC240-GB	134-1605	12 LED 18W / 500 mA	3000	2217	22108	5°/5°	8.5	
[A20]	Part ID	Light source	K	lm*	cd/klm	C <sub>0</sub> C <sub>180</sub>	C <sub>90</sub> C <sub>270</sub>	kg
DAC240-GB	134-1600	12 LED 18W / 500 mA	3000	2217	787	15°/16°	35°/35°	8.5



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

\* Nominal lumen output based on LED manufacturers data at 85°C T<sub>q</sub>. For rated lumens at 25°C T<sub>q</sub> and latest data refer to [www.we-ef.com](http://www.we-ef.com).

## MOUNTING ACCESSORIES

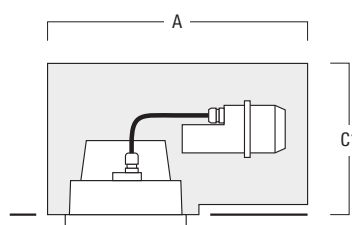
Installation blackout — Luminaire frame proud of surface			A	B	C1	D1
BDO11-I	134-1639	for DOC110	333	232	172	117
BDO12-I	134-1748	for DOC120	383	272	192	155
BDO14-I	134-1763	for DOC140	443	324	192	216
BDO22-I	134-0797	for DOC220	383	200	209	
BDO24-I	134-0798	for DOC240 / DOC240-GB	570	305	285	
BDO24-I-RE*	134-1717	for DOC240	574	305	209	

Installation blackout — Luminaire frame flush with surface			A	B	C1
BDO22-II	134-1161	for DOC220	383	200	227
BDO24-II	134-1162	for DOC240 / DOC240-GB	573	305	303
BDO24-II-RE*	134-1714	for DOC240	574	305	227

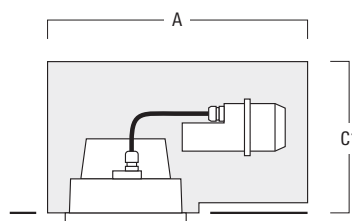
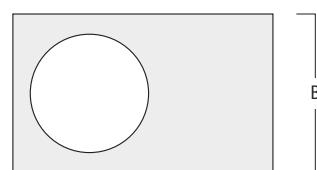
Installation blackout — Luminaire frame flush with surface, with shadow line			A	B	C1	D1	D2
BDO11-III	134-1641	for DOC110	33	232	172	117	148
BDO12-III	134-1749	for DOC120	383	272	192	155	98
BDO14-III	134-1764	for DOC140	443	324	192	216	267
BDO22-III	134-1497	for DOC220	383	200	227		
BDO24-III	134-1498	for DOC240 / DOC240-GB	573	305	303		
BDO24-III-RE*	134-1718	for DOC240	227	574	305		

\* reduced depth

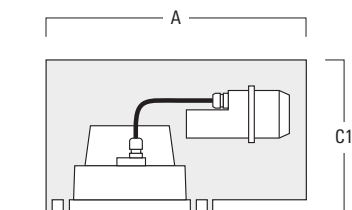
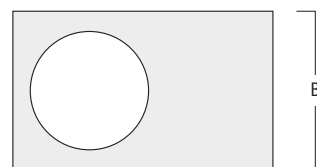
Installation blockouts to suit project specific requirements are available on request.



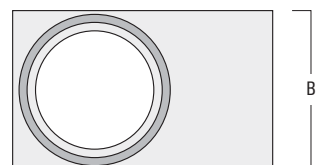
**Type I**  
Luminaire frame proud of surface



**Type II**  
Luminaire frame flush with surface



**Type III**  
Luminaire frame flush with surface,  
with shadow line



## OPTICAL ACCESSORIES

### Gimbal and Fixed

A maximum of one internal optical accessory.

#### Flood lens IO-360\*

for DOC120	134-1747**
for DOC120-FT	134-1771**
for DOC140	134-1762**
for DOC140-FT	134-1818**
for DOC220 / DAC220	134-1440
for DOC240 / DAC240	134-1441
for DOC240-GB / DAC240-GB	134-1442

#### Linear spread lens IO-180\*

for DOC110	134-1637
for DOC120	134-1745
for DOC120-FT	134-1871**
for DOC140	134-1760**
for DOC140-FT	134-1816**
for DOC220 / DAC220	134-1381
for DOC240 / DAC240	134-1382
for DOC240-GB / DAC240-GB	185-2632

#### Wallwash lens IO-20

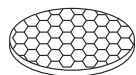
for DOC110	134-1683
for DOC120	134-1746
for DOC120-FT	134-1782**
for DOC140	134-1761**
for DOC140-FT	134-1817**
for DOC220 / DAC220 [M]	134-1491
for DOC240 / DAC240 [M]	134-1492

#### Honeycomb louvre IW\*

for DOC220 / DAC220	134-1444
for DOC240 / DAC240	134-1445
for DOC240-GB / DAC240-GB	134-1449

\* does not fit in combination with [B] lens

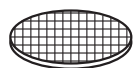
\*\* factory installed, cannot be ordered separately



IW



IO



IO-360

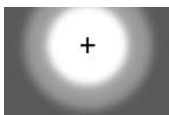


IO-180

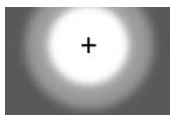


IO-20

medium beam



medium beam



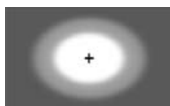
medium beam



with IO-360



with IO-180



with IO-20

