

we-ef

WE-EF LEUCHTEN
General Catalogue
European Edition
2016–2018



IOS® Beam distributions for inground luminaires

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

[LB] linear, wide beam, symmetric
[LM] linear, medium beam, symmetric
[LE] linear, narrow beam, symmetric
[LEE] linear, very narrow beam, symmetric
[LA10] linear, wallwash, asymmetric

[LA6] linear, wallwash, asymmetric
[LA20] linear, wallwash, asymmetric

[] controlled, single or double sided
[] diffused

Inground luminaires



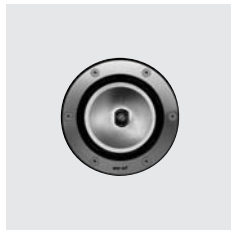
EFC100 LED 20



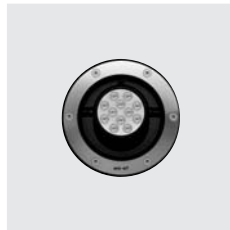
ESC100 LED 22



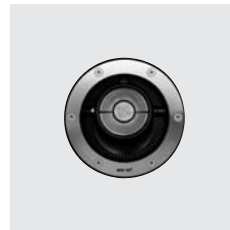
ETC100 LED 24



ETC100 28



ETC100 Gimbal LED 30



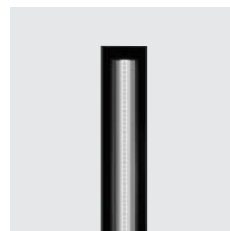
ETC100 Gimbal 32



ETC300 Gimbal LED 34



ETC300 LED 36



ETV100 LED 38



ETR100 LED 42



ETR100 44



ACCESSORIES	
■ Mounting	48
■ Electrical	50
■ Optical	52

EFC100 SERIES

Inground luminaire, controlled single or double sided distribution.

IP67, Class I. IK09. Stainless steel inground section. Die-cast dome made from marine-grade aluminium alloy. 5CE superior corrosion protection including PCS hardware. Powdercoat finish in RAL 9004, RAL 9006, RAL 9007 or RAL 9016. Silicone rubber gasket. Optical lens made from PMMA. Factory-sealed termination chamber complete with cable gland and 1.5 m of flexible PVC free cable. IP68 in-line connector facilitates easy removal for off-site lamp replacement.

'No tool' removable gear tray assembly. Integral EC electronic converter.

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

Luminaire requires installation blackout which is included.

Luminaire can be driven over at low speeds only. It is not designed for normal traffic conditions. Luminaire can be damaged under such conditions as breaking, accelerating or turning.

Light source

LED 6-12 W, 3000 K,
for 4000 K refer to www.we-ef.com

Accessories

■ Electrical, page 50



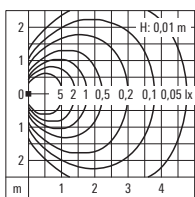
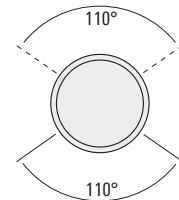
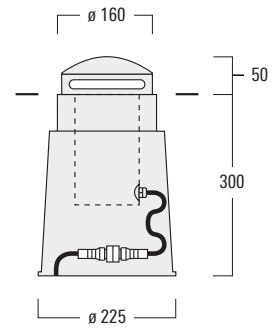
Pier seaside Heiligendamm (D). Lighting design: Institut für Gebäude + Energie + Licht Planung, Prof. Dr.-Ing. Thomas Römhild, Wismar.



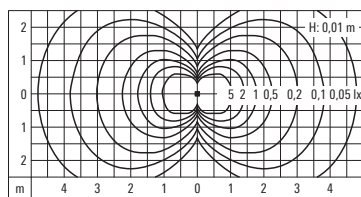
Controlled distribution, single or double sided



single sided	Part ID	Light source	K	lm*	Factor***	°C**	kg
EFC120	185-2526	6 LED 6W / 350 mA	3000	807	1.00	45	5.1
double sided	Part ID	Light source	K	lm*	Factor***	°C**	kg
EFC120	185-2559	2 x 6 LED 12W / 350 mA	3000	1614	1.00	51	5.1



single sided



double sided

* Nominal lumen output based on LED manufacturers data at 85°C T_J. For rated lumens at 25°C T_q and latest data refer to www.we-ef.com.

** Operational surface temperature, based on ground temperature of 15°C

*** Multiplier for Isolux value

ESC100 SERIES

Inground luminaire, medium, very narrow or very narrow beam distribution 'sharp cut-off', symmetric.

IP67, Class I. IK07. Stainless steel construction inground section. Die-cast hood with 30° angle made from marine-grade aluminium alloy avoids glare to passers-by and helps prevent accumulation of insects, leaves and debris on the lens. 5CE superior corrosion protection including PCS hardware. Powdercoat finish in RAL 9004, RAL 9006, RAL 9007 or RAL 9016. Factory-sealed termination chamber complete with cable gland including spiral cable bending protection and 1.5 m of flexible PVC free cable.

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

The optional installation blackout is recommended for mounting. To be ordered separately.

Light source

LED 18-24 W, 3000 K,
for 4000 K refer to www.we-ef.com

Light distributions

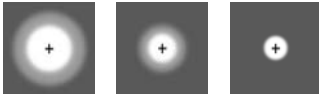
[M] [EE] [EES]

Accessories

- Mounting, page 48
- Optical, page 52



RMIT University, Bowen Lane. Melbourne (AUS). Lighting design & Landscape architect: RMIT



[M] [EE] [EES]

[M] Medium beam distribution, symmetric

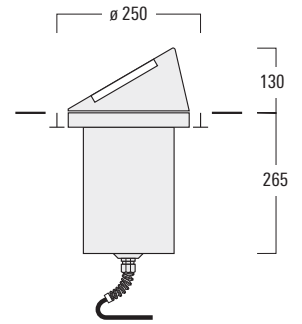
[EE] Very narrow beam distribution, symmetric

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

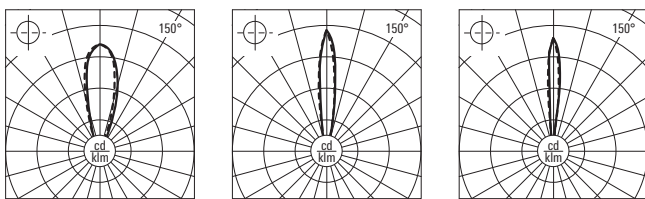
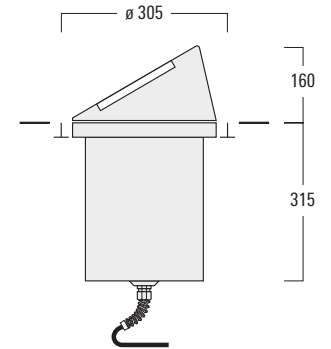


[M]	Part ID	Light source	K	lm*	cd/klm	C ₀ C ₁₈₀	°C**	kg
ESC130	185-3077	12 LED 18W / 500 mA	3000	2217	2378	13°/17°	26	7.9
ESC140	185-3003	24 LED 24W / 350 mA	3000	3228	2378	13°/17°	30	10.4
[EE]	Part ID	Light source	K	lm*	cd/klm	C ₀ C ₁₈₀	°C**	kg
ESC130	185-3079	12 LED 18W / 500 mA	3000	2217	7672	7°/8°	26	7.9
ESC140	185-3084	24 LED 24W / 350 mA	3000	3228	7672	7°/8°	30	10.4
[EES]	Part ID	Light source	K	lm*	cd/klm	C ₀ C ₁₈₀	°C**	kg
ESC130	185-3081	12 LED 18W / 500 mA	3000	2217	17197	4°/6°	26	7.9
ESC140	185-3086	24 LED 24W / 350 mA	3000	3228	17197	4°/6°	30	10.4

ESC130



ESC140



[M] [EE] [EES]

* Nominal lumen output based on LED manufacturers data at 85°C T_J. For rated lumens at 25°C T_q and latest data refer to www.we-ef.com.

** Operational surface temperature, based on ground temperature of 15°C

ETC100 SERIES

Inground luminaire, diffused distribution.

ETC109: IP68 (up to 10 m), Class III. IK09.

ETC119: IP67, Class III. IK09.

Stainless steel construction including PCS hardware. Silicone rubber gasket. Safety glass lens; max. load 5 tonnes. Luminaire can be driven over at low speed. Factory-sealed termination chamber complete with cable gland and 1.5 m of flexible PVC free cable. IP68 in-line connector facilitates easy removal for off-site lamp replacement.

Factory installed LED circuit board in either white, red, green, blue or RGB. LED boards can be easily removed for upgrading.

ETC109: Luminaire requires installation blackout which is included.

ETC119: Luminaire requires installation blackout. To be ordered separately.

Electronic converter required. To be ordered separately.

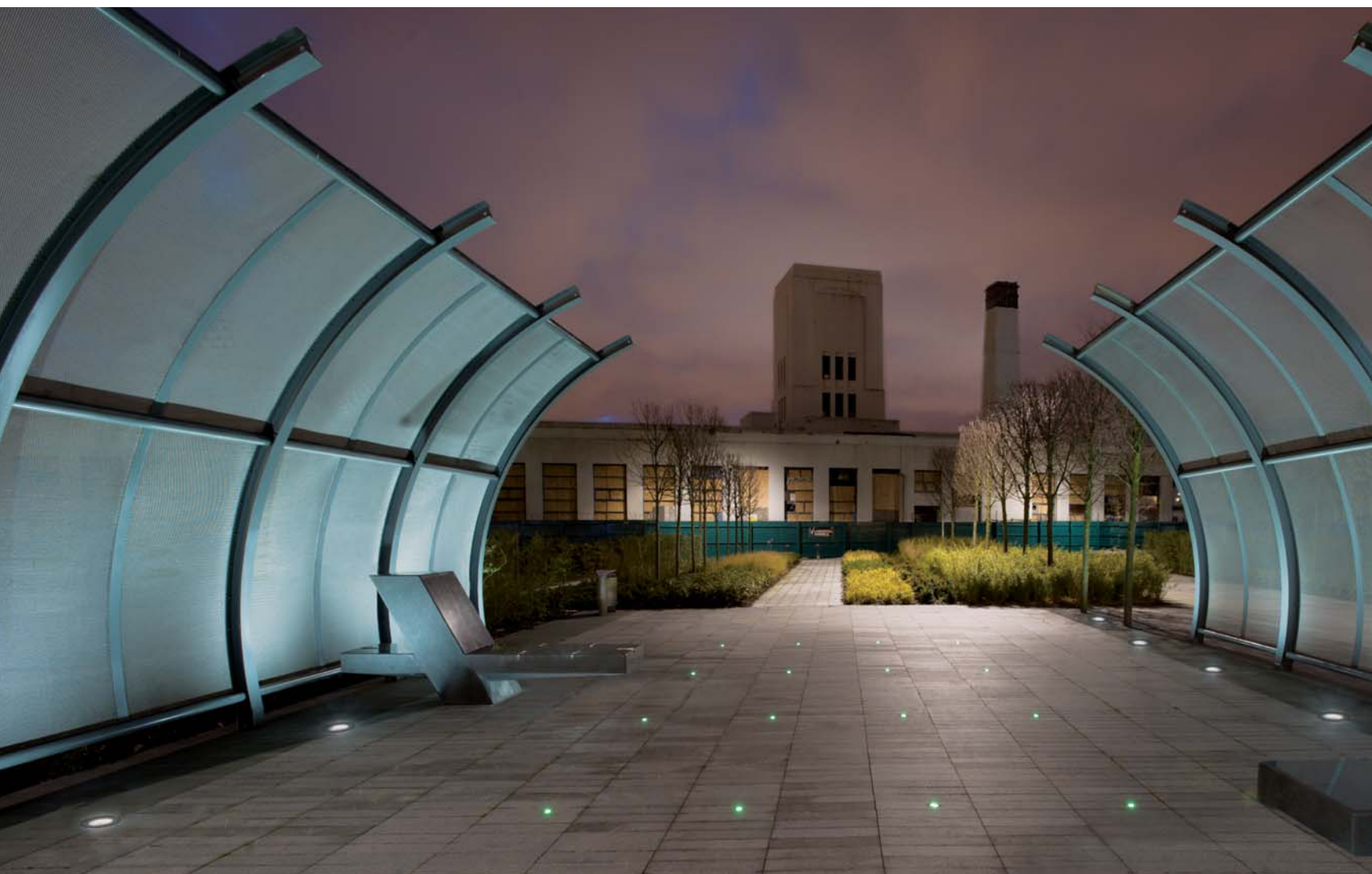
Light source

LED 0.5-1.5 W

Accessories

■ Mounting, page 48

■ Electrical, page 50

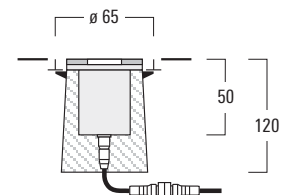


Liverpool Innovation Park. Liverpool (UK). Landscape architect: Scott Wilson Landscape Architects, Manchester.

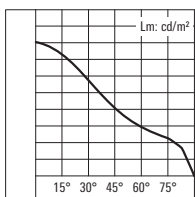
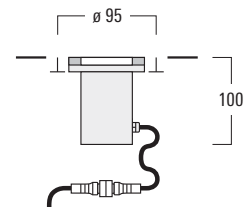


	Part ID	Light source		lm*	Lm [cd/m ²]	kg
ETC109	185-1557	4 LED 0.5W / 12V DC	white	13	3787	0.5
	185-1558	4 LED 0.5W / 12V DC	red	18	4951	0.5
	185-1559	4 LED 0.5W / 12V DC	green	15	2759	0.5
	185-1560	4 LED 0.5W / 12V DC	blue	4	1416	0.5
	185-1562	3 x 4 LED 1.5W / 12V DC	red-green-blue	24	3854	0.5
ETC119	185-2843	1 LED 1W / 24V AC/DC	white	80	3019	1.0

ETC109



ETC119



* Based on CIE illuminant D65

ETC100 SERIES

Inground luminaire, medium, very narrow or very narrow beam distribution
'sharp cut-off', symmetric.

IP67, Class III. IK09. Stainless steel construction including PCS hardware. Silicone rubber gasket. Safety glass lens; max. load 5 tonnes. Luminaire can be driven over at low speed. Factory-sealed termination chamber complete with cable gland and 1.5 m of flexible PVC free cable. IP68 in-line connector facilitates easy removal for off-site lamp replacement.

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

The optional installation blackout is recommended for mounting.
To be ordered separately.

Electronic converter required. To be ordered separately.

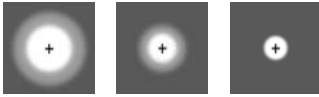
Light source
LED 2-3 W, 3000 K,
for 4000 K refer to www.we-ef.com

Light distributions
[M] [EE] [EES]

Accessories
■ Mounting, page 48
■ Electrical, page 50



Coal mine Zollverein. Essen (D). Lighting design: Licht Kunst Licht AG. Landscape architect: Planergruppe GmbH Oberhausen.



[M] [EE] [EES]

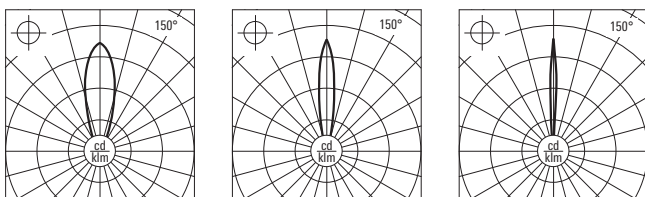
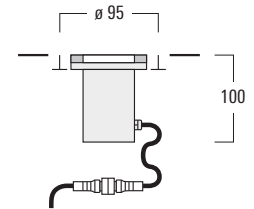
[M] Medium beam distribution, symmetric

[EE] Very narrow beam distribution, symmetric

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



[M]	Part ID	Light source	K	lm*	cd/klm	C ₀ C ₁₈₀	°C**	kg
ETC110	185-2770	1 LED 2W / 24V AC/DC	3000	200	2119	16°/16°	23	1.1
	185-2777	3 LED 3W / 24V AC/DC	3000	404	1552	21°/21°	28	1.1
[EE]	Part ID	Light source	K	lm*	cd/klm	C ₀ C ₁₈₀	°C**	kg
ETC110	185-2778	3 LED 3W / 24V AC/DC	3000	404	7076	7°/7°	28	1.1
[EES]	Part ID	Light source	K	lm*	cd/klm	C ₀ C ₁₈₀	°C**	kg
ETC110	185-2772	1 LED 2W / 24V AC/DC	3000	200	29000	4°/4°	23	1.1
	185-2779	3 LED 3W / 24V AC/DC	3000	404	11915	6°/6°	28	1.1



[M] [EE] [EES]

* Nominal lumen output based on LED manufacturers data at 85°C T_J. For rated lumens at 25°C T_q and latest data refer to www.we-ef.com.

** Operational surface temperature, based on ground temperature of 15°C

ETC100 SERIES

Inground luminaire, medium or very narrow beam distribution, symmetric.

IP67, Class I, IK10+. Stainless steel construction including PCS hardware. Silicone rubber gasket. Safety glass lens; max. load 5 tonnes. Luminaire can be driven over at low speed. Factory-sealed termination chamber complete with cable gland and 1.5 m of flexible PVC free cable. Cable gland with spiral cable bending protection.

Integral HPF or ECG control gear. 'No tool' removable gear/reflector tray. Anodised aluminium reflector.

The optional installation blockout is recommended for mounting. Option with Anti-Slip ceramic Coating ASC to DIN 51130 (Trip Classification 10) available on request.

The optional CTA® Cool Touch Adaptor provides significant reduction in glass surface temperature.

Light source
HIT 20-250 W

Light distributions
[M] [EE]

Accessories

- Mounting, page 48
- Electrical, page 50
- Optical, page 52



Eleanor and Wilson Greatbatch Pavilion. Buffalo (USA). Architect: Toshiko Mori Architect, PLLC. Lighting design: ARUP Lighting.



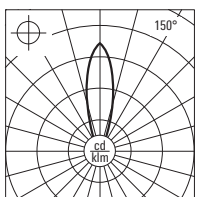
[M] [EE]

[M] Medium beam distribution, symmetric
 [EE] Very narrow beam distribution, symmetric

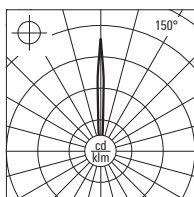


[M]	Part ID	Light source	lm	cd/klm	C ₀ C ₁₈₀	°C*	kg
ETC120	185-1528 [ECG]	HIT-TC-CE 20W PGJ5	1650	2226	14°/14°	74	2.1
ETC130	185-1576 [ECG]	HIT-CE 35W G12	3600	2261	12°/12°	71/57	6.8
ETC140	185-1577 [ECG]	HIT-CE 70W G12	7300	1378	19°/19°	86/69	8.8
	185-2354 [HPF]	HIT-CE 100W G12	9500	1489	19°/19°	100/84	10.0
	185-0749 [HPF]	HIT-CE 150W G12	15000	1215	20°/20°	118/99	10.2
ETC150	185-1579 [ECG]	HIT-CE 150W G12	15000	2104	13°/13°	99/71	19.0
	185-1584 [HPF]	HIT-CE 250W G12	23000	1622	18°/18°	116/95	21.0

[EE]	Part ID	Light source	lm	cd/klm	C ₀ C ₁₈₀	°C*	kg
ETC120	185-1483 [ECG]	HIT-TC-CE 20W PGJ5	1650	15648	3°/3°	80	2.1
ETC130	185-1588 [ECG]	HIT-CE 35W G12	3600	19636	3°/3°	70/58	6.8
ETC140	185-1589 [ECG]	HIT-CE 70W G12	7300	33186	3°/3°	78/60	8.8
	185-2360 [HPF]	HIT-CE 100W G12	9500	22734	3°/3°	99/80	10.0
	185-0757 [HPF]	HIT-CE 150W G12	15000	15818	4°/4°	115/90	10.2
ETC150	185-1591 [ECG]	HIT-CE 150W G12	15000	30080	3°/3°	87/68	19.0
	185-1596 [HPF]	HIT-CE 250W G12	23000	15085	4°/4°	103/82	21.0

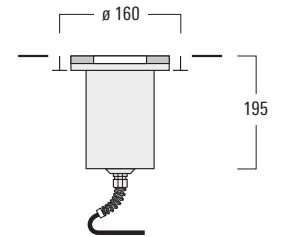


[M]

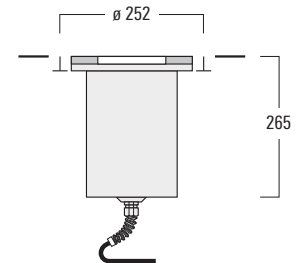


[EE]

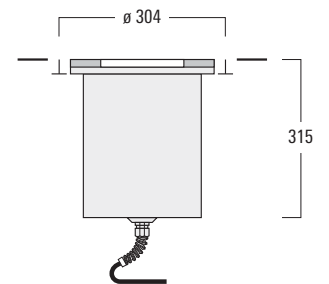
ETC120



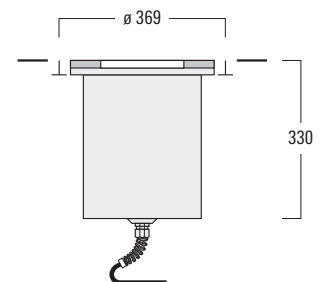
ETC130



ETC140



ETC150



* Operational surface temperature, based on ground temperature of 15°C (without CTA® / with CTA®)

ETC100 GIMBAL SERIES

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

IP67, Class I. IK10+. Stainless steel construction including PCS hardware. Silicone rubber gasket. Safety glass lens; max. load 5 tonnes. Luminaire can be driven over at low speed. Factory-sealed termination chamber complete with cable gland and 1.5 m of flexible PVC free cable. Cable gland with spiral cable bending protection.

For reduced depth (ETC300 series), see page 34.

Integral EC electronic converter. 'No tool' removable gear/lens tray. Gimbal mounted, 355°/360° rotatable and 20°/30° tilt.

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

The optional installation blockout is recommended for mounting. To be ordered separately.

Option with Anti-Slip ceramic Coating ASC to DIN 51130 (Trip Classification 10) available on request.

Light source

LED 6-24 W, 3000 K,
for 4000 K refer to www.we-ef.com

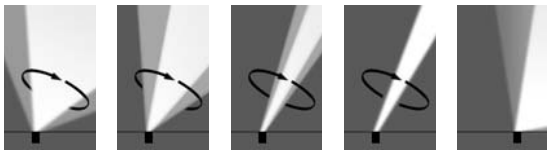
Light distributions

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

Accessories

- Mounting, page 48
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- [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 ₀ C ₁₈₀	°C**	kg
ETC130-GB	185-2658	12 LED 18W / 500 mA	3000	2217	952	25°/25°	34	6.2
ETC140-GB	185-2723	24 LED 24W / 350 mA	3000	3228	1081	24°/24°	31	10.6

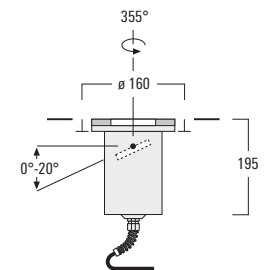
[M]	Part ID	Light source	K	lm*	cd/klm	C ₀ C ₁₈₀	°C**	kg
ETC120-GB	185-7592	3 LED 6W / 700 mA	3000	738	1633	21°/21°	25	3.8
ETC130-GB	185-2446	12 LED 18W / 500 mA	3000	2217	2339	17°/17°	34	6.2
ETC140-GB	185-2600	24 LED 24W / 350 mA	3000	3228	2175	17°/17°	31	10.6

[EE]	Part ID	Light source	K	lm*	cd/klm	C ₀ C ₁₈₀	°C**	kg
ETC120-GB	185-7593	3 LED 6W / 700 mA	3000	738	7530	7°/7°	25	3.8
ETC130-GB	185-2661	12 LED 18W / 500 mA	3000	2217	6728	8°/8°	34	6.2
ETC140-GB	185-2726	24 LED 24W / 350 mA	3000	3228	7418	7°/7°	31	10.6

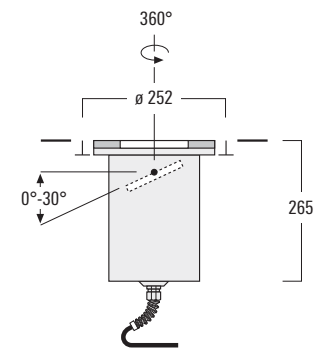
[EES]	Part ID	Light source	K	lm*	cd/klm	C ₀ C ₁₈₀	°C**	kg
ETC120-GB	185-7682	3 LED 6W / 700 mA	3000	738	16462	5°/5°	25	3.8
ETC130-GB	185-2591	12 LED 18W / 500 mA	3000	2217	18322	5°/5°	34	6.2
ETC140-GB	185-2603	24 LED 24W / 350 mA	3000	3228	21083	5°/5°	31	10.6

[A20]	Part ID	Light source	K	lm*	cd/klm	C ₀ C ₁₈₀	C ₉₀ C ₂₇₀	°C**	kg
ETC130-GB	185-3091	12 LED 18W / 500 mA	3000	2217	798	15°/17°	34°/34°	34	6.2
ETC140-GB	185-3093	24 LED 24W / 350 mA	3000	3228	660	18°/23°	33°/33°	31	10.6

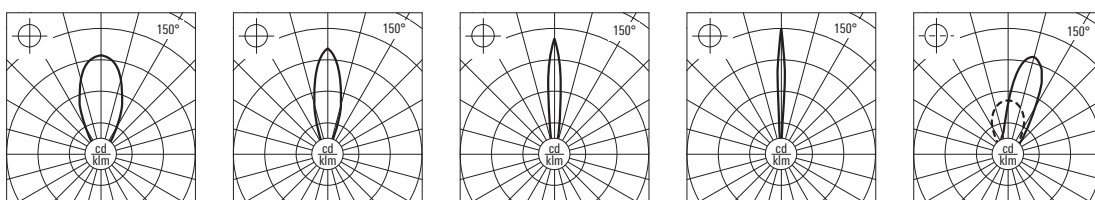
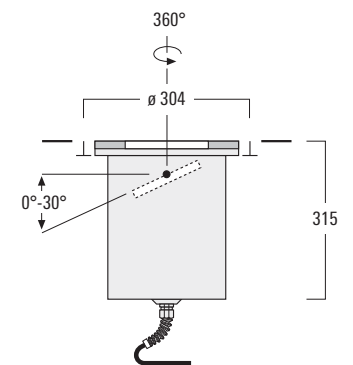
ETC120-GB



ETC130-GB



ETC140-GB



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

* Nominal lumen output based on LED manufacturers data at 85°C T_J. For rated lumens at 25°C T_a and latest data refer to www.we-ef.com.
 ** Operational surface temperature, based on ground temperature of 15°C

ETC100 GIMBAL SERIES

Inground luminaire, medium or very narrow beam distribution, symmetric. Tilt and rotatable.

IP67, Class I. IK10+. Stainless steel construction including PCS hardware. Silicone rubber gasket. Safety glass lens; max. load 5 tonnes. Luminaire can be driven over at low speed. Factory-sealed termination chamber complete with cable gland and 1.5 m of flexible PVC free cable. Cable gland with spiral cable bending protection.

Integral ECG control gear. 'No tool' removable gear/reflector tray. Anodised aluminium reflector, gimbal mounted, 360° rotatable and 30° tilt. Integral Cool Touch Adaptor CTA® for reducing glass surface temperature.

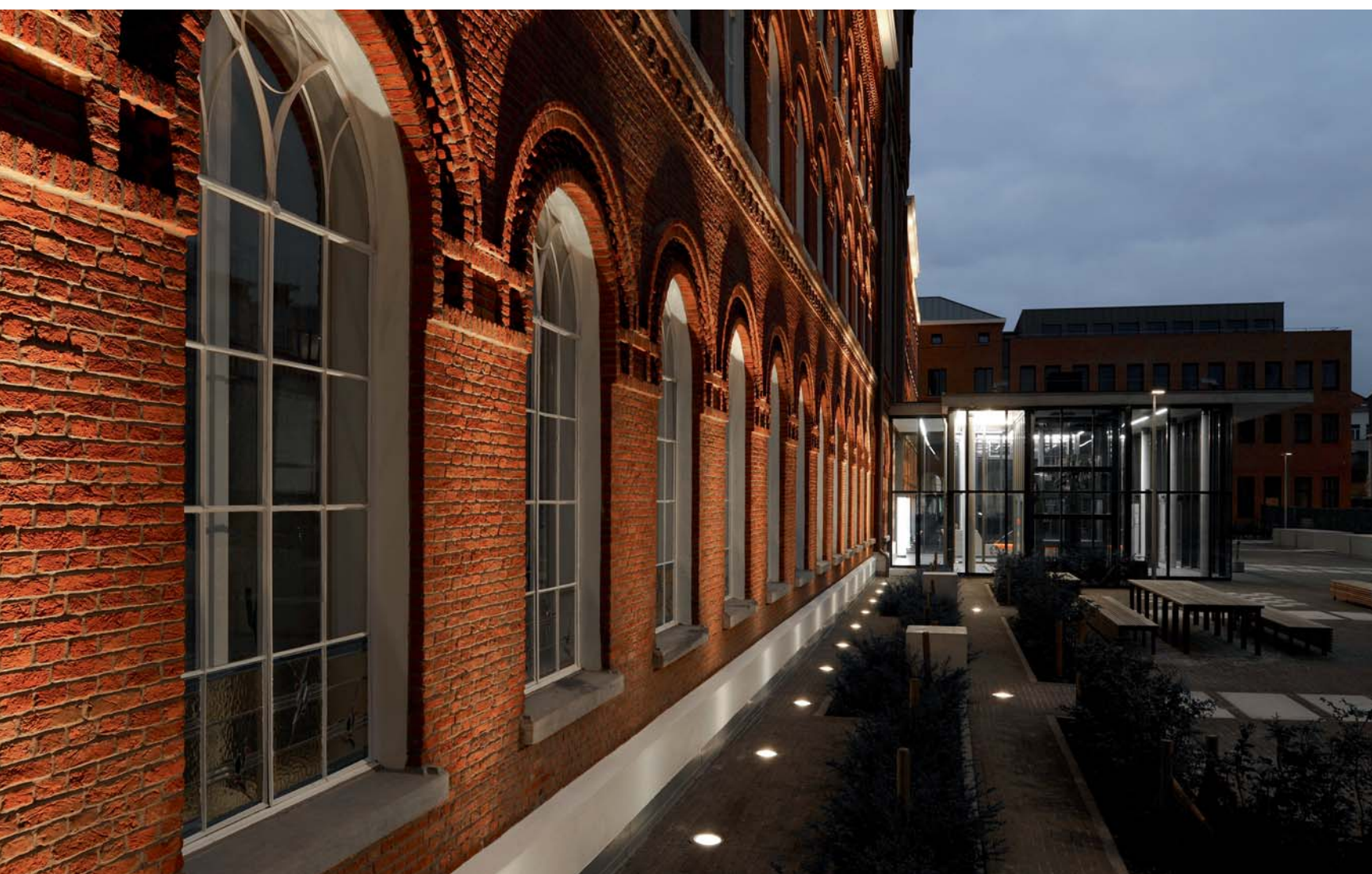
The optional installation blockout is recommended for mounting. To be ordered separately. Option with Anti-Slip ceramic Coating ASC to DIN 51130 (Trip Classification 10) available on request.

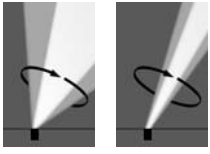
Light source
HIT 20-70 W

Light distributions
[M] [EE]

Accessories

- Mounting, page 48
- Electrical, page 50
- Optical, page 52





[M] [EE]

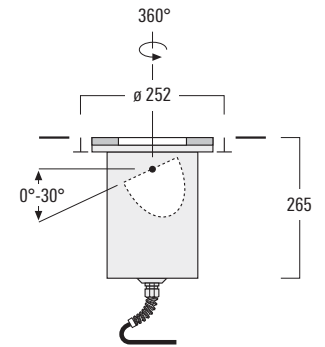
[M] Medium beam distribution, symmetric
 [EE] Very narrow beam distribution, symmetric



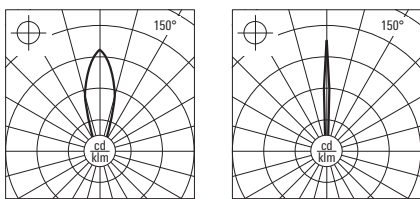
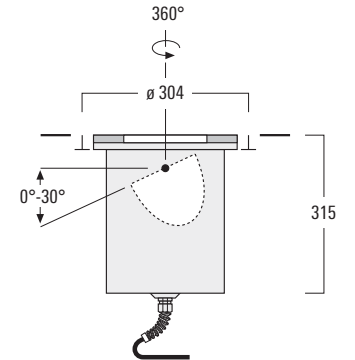
[M]	Part ID	Light source	lm	cd/klm	C ₀ C ₁₈₀	°C*	kg
ETC130-GB	185-2349 [ECG]	HIT-TC-CE 20W PGJ5	1650	964	16°/16°	48	6.1
	185-2350 [ECG]	HIT-TC-CE 35W PGJ5	3000	1314	16°/16°	72	6.1
ETC140-GB	185-2441 [ECG]	HIT-CE 35W G12	3600	2128	9°/9°	51	11.1
	185-2400 [ECG]	HIT-CE 70W G12	7300	2110	10°/10°	75	11.1

[EE]	Part ID	Light source	lm	cd/klm	C ₀ C ₁₈₀	°C*	kg
ETC130-GB	185-2351 [ECG]	HIT-TC-CE 20W PGJ5	1650	9818	3°/3°	53	6.1
	185-2352 [ECG]	HIT-TC-CE 35W PGJ5	3000	4708	5°/5°	79	6.1
ETC140-GB	185-2443 [ECG]	HIT-CE 35W G12	3600	13440	3°/3°	53	11.1
	185-2402 [ECG]	HIT-CE 70W G12	7300	12636	3°/3°	75	11.1

ETC130-GB



ETC140-GB



[M] [EE]

* Operational surface temperature, based on ground temperature of 15°C

ETC300 GIMBAL SERIES

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

IP67, Class I. IK10+. Stainless steel construction including PCS hardware. Silicone rubber gasket. Safety glass lens; max. load 5 tonnes. Luminaire can be driven over at low speed. Factory-sealed termination chamber complete with cable gland and 1.5 m of flexible PVC free cable.

Integral EC electronic converter. 'No tool' removable gear/lens tray. Gimbal mounted, 360° rotatable and 30° tilt.

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

The optional installation blockout is recommended for mounting. To be ordered separately.

Option with Anti-Slip ceramic Coating ASC to DIN 51130 (Trip Classification 10) available on request.

Light source

LED 12 W, 3000 K,
for 4000 K refer to www.we-ef.com

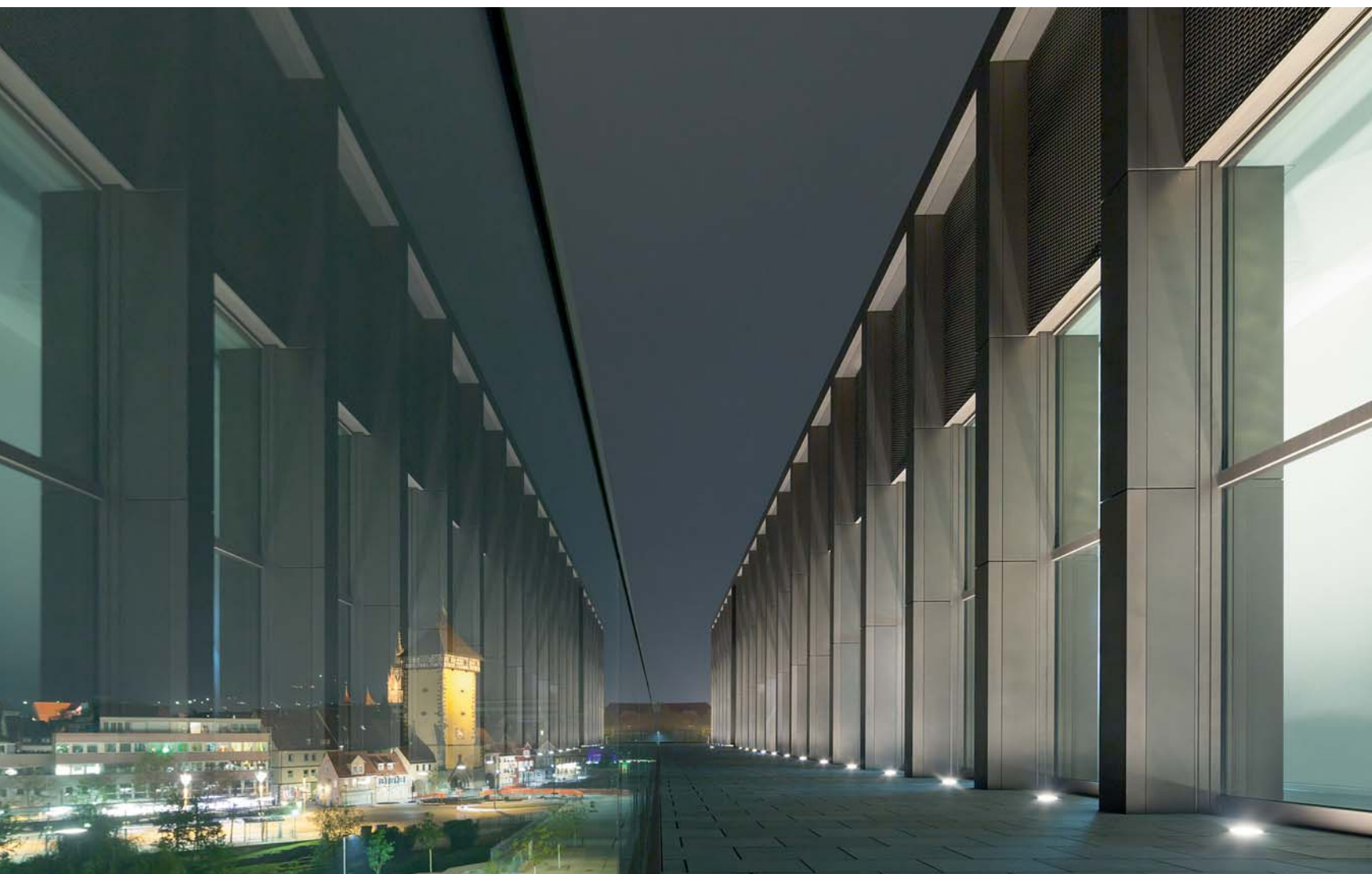


Light distributions

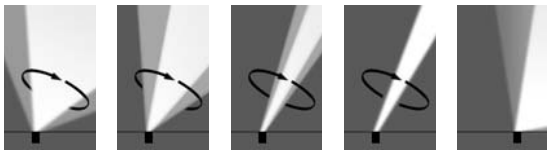
[B] [M] [EE] [EES] [A20]

Accessories

- Mounting, page 48
- Electrical, page 50
- Optical, page 52



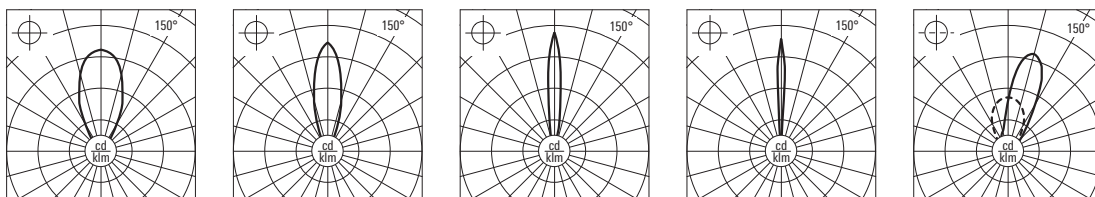
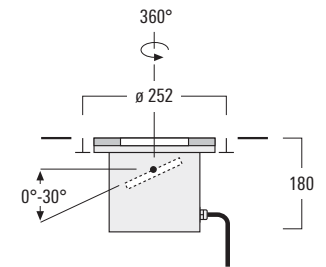
Town hall. Reutlingen (D). Architect: Max Dudler, Berlin. Lighting design: Kardorff Ingenieure, Berlin.



- [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 ₀ C ₁₈₀	°C**	kg	
ETC330-GB	185-2688	12 LED 12W / 350 mA	3000	1614	952	25°/25°	28	5.5	
[M]	Part ID	Light source	K	lm*	cd/klm	C ₀ C ₁₈₀	°C**	kg	
ETC330-GB	185-2576	12 LED 12W / 350 mA	3000	1614	2339	17°/17°	28	5.5	
[EE]	Part ID	Light source	K	lm*	cd/klm	C ₀ C ₁₈₀	°C**	kg	
ETC330-GB	185-2691	12 LED 12W / 350 mA	3000	1614	6728	8°/8°	28	5.5	
[EES]	Part ID	Light source	K	lm*	cd/klm	C ₀ C ₁₈₀	°C**	kg	
ETC330-GB	185-2583	12 LED 12W / 350 mA	3000	1614	18322	5°/5°	28	5.5	
[A20]	Part ID	Light source	K	lm*	cd/klm	C ₀ C ₁₈₀	C ₉₀ C ₂₇₀	°C**	kg
ETC330-GB	185-3095	12 LED 12W / 350 mA	3000	1614	798	15°/17°	34°/34°	28	5.5



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

* Nominal lumen output based on LED manufacturers data at 85°C T_J. For rated lumens at 25°C T_q and latest data refer to www.we-ef.com.
 ** Operational surface temperature, based on ground temperature of 15°C

ETC300 SERIES

Inground luminaire, diffused distribution.

IP67, Class I. IK10+. Stainless steel construction including PCS hardware. Silicone rubber gasket. Safety glass lens; max. load 5 tonnes. Luminaire can be driven over at low speed. Factory-sealed termination chamber complete with cable gland and 1.5 m of flexible PVC free cable. Cable gland with spiral cable bending protection (ETC329).

'No tool' removable gear tray. Integral EC electronic converter.

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

The optional installation blockout is recommended for mounting. To be ordered separately.

Option with Anti-Slip ceramic Coating ASC to DIN 51130 (Trip Classification 10) available on request.

Light source

LED 5.5-15.5 W, 3000 K,
for 4000 K refer to www.we-ef.com



Accessories

- Mounting, page 48
- Electrical, page 50

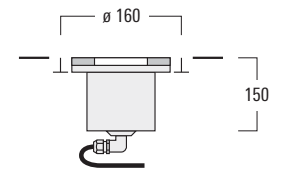


Technical college. Wildau/Berlin (D). Architect: Anderhalten Architekten, Berlin. Lighting design: Ritter Lichttechnik Berlin.

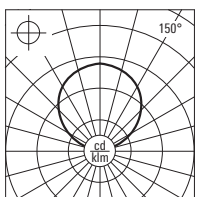
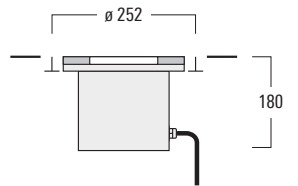


	Part ID	Light source		lm*	cd/klm	C ₀ C ₁₈₀	°C**	kg
ETC329	185-2908	LED 5.5W / 250 mA	white	705	51	56°/56°	27	2.5
ETC339	185-2909	LED 15.5W / 350 mA	white	2180	47	56°/56°	30	6.0

ETC329



ETC339



* Nominal lumen output based on LED manufacturers data at 85°C T_J. For rated lumens at 25°C T_q and latest data refer to www.we-ef.com.
 ** Operational surface temperature, based on ground temperature of 15°C

ETV100 SERIES

Inground luminaire, linear, wide, medium, narrow or very narrow beam distribution, symmetric or wallwash distribution, asymmetric.

IP67, Class I. IK08. Marine-grade all aluminium construction. Anodized aluminium extrusion. PCS hardware. Silicone rubber gasket. Safety glass lens; max. load 5 tonnes. Luminaire can be driven over at low speed. Factory-sealed termination chamber complete with cable gland and 0.5 m of flexible cable.

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

Luminaire is factory sealed and does not need to be opened during installation.

The optional installation blackout is recommended for mounting. To be ordered separately.

Electronic converter with DALI or DMX (RGBW) interface.

Light source

LED 15-44 W, 3000 K,
for 4000 K refer to www.we-ef.com

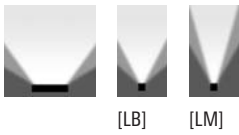
Light distributions

[LB] [LM] [LE] [LEE] [LA10]

Accessories

■ Mounting, page 48



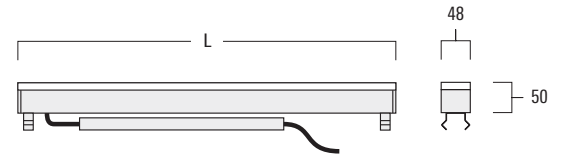


[LB] Linear, wide beam distribution, symmetric
 [LM] Linear, medium beam distribution, symmetric

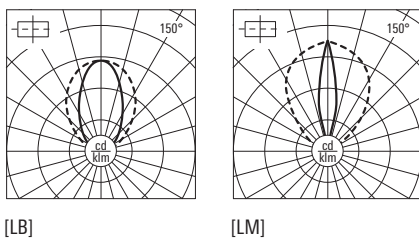


[LB]	Part ID	Light source	K	lm*	cd/klm	C ₀ C ₁₈₀	C ₉₀ C ₂₇₀	°C**	kg
ETV120	186-0236	120 LED 15W	3000	2250	430	29°/29°	45°/45°	25	4.6
ETV130	186-0251	180 LED 22.5W	3000	3375	430	29°/29°	45°/45°	25	6.0
	186-0253 [DMX]	96 LED 33W RGBW	3206	430	29°/29°	45°/45°	25	6.0	
ETV140	186-0266	240 LED 30W	3000	4500	430	29°/29°	45°/45°	25	7.5
	186-0268 [DMX]	128 LED 44W RGBW	4275	430	29°/29°	45°/45°	25	7.5	

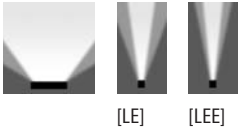
[LM]	Part ID	Light source	K	lm*	cd/klm	C ₀ C ₁₈₀	C ₉₀ C ₂₇₀	°C**	kg
ETV120	186-0239	120 LED 15W	3000	2250	827	14°/14°	49°/49°	25	4.6
ETV130	186-0254	180 LED 22.5W	3000	3375	827	14°/14°	49°/49°	25	6.0
	186-0256 [DMX]	96 LED 33W RGBW	3206	827	14°/14°	49°/49°	25	6.0	
ETV140	186-0269	240 LED 30W	3000	4500	827	14°/14°	49°/49°	25	7.5
	186-0271 [DMX]	128 LED 44W RGBW	4275	827	14°/14°	49°/49°	25	7.5	



Dimensions	L
ETV120	627 mm
ETV130	927 mm
ETV140	1227 mm



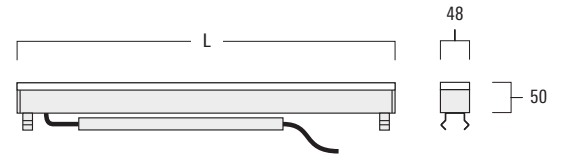
* Nominal lumen output based on LED manufacturers data at 25°C T_J. For rated lumens at 25°C T_q and latest data refer to www.we-ef.com.
 ** Operational surface temperature, based on ground temperature of 15°C



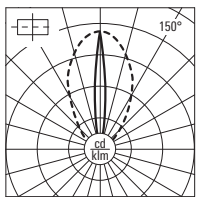
[LE] Linear, narrow beam distribution, symmetric
 [LEE] Linear, very narrow beam distribution, symmetric

[LE]	Part ID	Light source	K	lm*	cd/klm	C ₀ C ₁₈₀	C ₉₀ C ₂₇₀	°C**	kg
ETV120	186-0242	120 LED 15W	3000	2250	1097	8°/8°	42°/42°	25	4.6
ETV130	186-0257	180 LED 22.5W	3000	3375	1097	8°/8°	42°/42°	25	6.0
	186-0259 [DMX]	96 LED 33W	RGBW	3206	1097	8°/8°	42°/42°	25	6.0
ETV140	186-0272	240 LED 30W	3000	4500	1097	8°/8°	42°/42°	25	7.5
	186-0274 [DMX]	128 LED 44W	RGBW	4275	1097	8°/8°	42°/42°	25	7.5

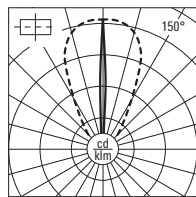
[LEE]	Part ID	Light source	K	lm*	cd/klm	C ₀ C ₁₈₀	C ₉₀ C ₂₇₀	°C**	kg
ETV120	186-0245	120 LED 15W	3000	2250	1594	6°/6°	42°/42°	25	4.6
ETV130	186-0260	180 LED 22.5W	3000	3375	1594	6°/6°	42°/42°	25	6.0
	186-0262 [DMX]	96 LED 33W	RGBW	3206	1594	6°/6°	42°/42°	25	6.0
ETV140	186-0275	240 LED 30W	3000	4500	1594	6°/6°	42°/42°	25	7.5
	186-0277 [DMX]	128 LED 44W	RGBW	4275	1594	6°/6°	42°/42°	25	7.5



Dimensions	L
ETV120	627 mm
ETV130	927 mm
ETV140	1227 mm



[LE]



[LEE]

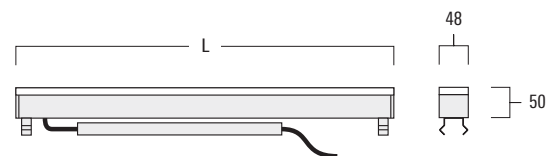


[LA10]

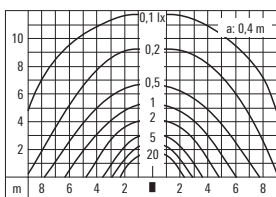
[LA10] Linear, wallwash distribution, asymmetric



[LA10]	Part ID	Light source	K	lm*	cd/klm	C ₀ C ₁₈₀	C ₉₀ C ₂₇₀	°C**	kg
ETV120	186-0248	120 LED 15W	3000	2250	959	17°/12°	43°/43°	25	4.6
ETV130	186-0263	180 LED 22.5W	3000	3375	959	17°/12°	43°/43°	25	6.0
	186-0265 [DMX]	96 LED 33W RGBW	3206	3206	959	17°/12°	43°/43°	25	6.0
ETV140	186-0278	240 LED 30W	3000	4500	959	17°/12°	43°/43°	25	7.5
	186-0280 [DMX]	128 LED 44W RGBW	4275	4275	959	17°/12°	43°/43°	25	7.5



Dimensions	L
ETV120	627 mm
ETV130	927 mm
ETV140	1227 mm



[LA10]

* Nominal lumen output based on LED manufacturers data at 25°C T_J. For rated lumens at 25°C T_q and latest data refer to www.we-ef.com.

** Operational surface temperature, based on ground temperature of 15°C

ETR100 SERIES

Inground luminaire, linear, diffused distribution.

IP67, Class I. IK10+. Die-cast body made from marine-grade aluminium alloy. Stainless steel frame including PCS hardware. Silicone rubber gasket. Factory-sealed termination chamber complete with cable gland and 1.5 m of flexible PVC free cable. IP68 in-line connector. Safety glass; max. load 5 tonnes. Luminaire can be driven over at low speed.

Integral EC electronic converter. Factory installed circuit board with LEDs in either white or RGB. Optional 1-10V or DALI interface on request.

Luminaire requires installation blackout BER. To be ordered separately. Option with Anti-Slip ceramic Coating ASC to DIN 51130 (Trip Classification 10) available on request.

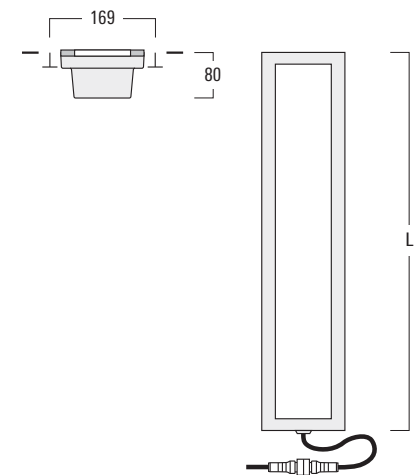
Light source
LED 9-79 W

Accessories

- Mounting, page 48
- Electrical, page 50

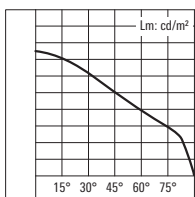


SonyCenter. Berlin (D). Architect: Murphy/Jahn, Chicago. Lighting design: L'Observatoire International, New York.



	Part ID	Light source		lm*	Lm [cd/m ²]	kg
ETR139	186-0072	72 LED 9W	white	241	644	7.6
	186-0054 [DMX]	72 LED 9W	white	241	644	7.6
	186-0059 [DMX]	3 x 72 LED 26W	red-green-blue	435	889	7.6
ETR149	186-0124	144 LED 18W	white	482	644	14.0
	186-0060 [DMX]	144 LED 18W	white	482	644	14.0
	186-0065 [DMX]	3 x 144 LED 53W	red-green-blue	870	889	14.0
ETR159	186-0082	216 LED 27W	white	723	644	20.5
	186-0066 [DMX]	216 LED 27W	white	723	644	20.5
	186-0123 [DMX]	3 x 216 LED 79W	red-green-blue	1305	889	20.5

Dimensions	L
ETR139	558 mm
ETR149	1008 mm
ETR159	1485 mm



* Nominal lumen output based on LED manufacturers data at 85°C T_J. For rated lumens at 25°C T_q and latest data refer to www.we-ef.com.

ETR100 SERIES

Inground luminaire, linear, diffused distribution.

IP67, Class I, IK10+. Die-cast body made from marine-grade aluminium alloy. Stainless steel frame including PCS hardware. Silicone rubber gasket. Factory-sealed termination chamber complete with cable gland and 1.5 m of flexible PVC free cable. IP68 in-line connector. Safety glass; max. load 5 tonnes. Luminaire can be driven over at low speed.

Anodised reflector. Integral ECG control gear.

Luminaire requires installation blackout BER. To be ordered separately. Option with Anti-Slip ceramic Coating ASC to DIN 51130 (Trip Classification 10) available on request.

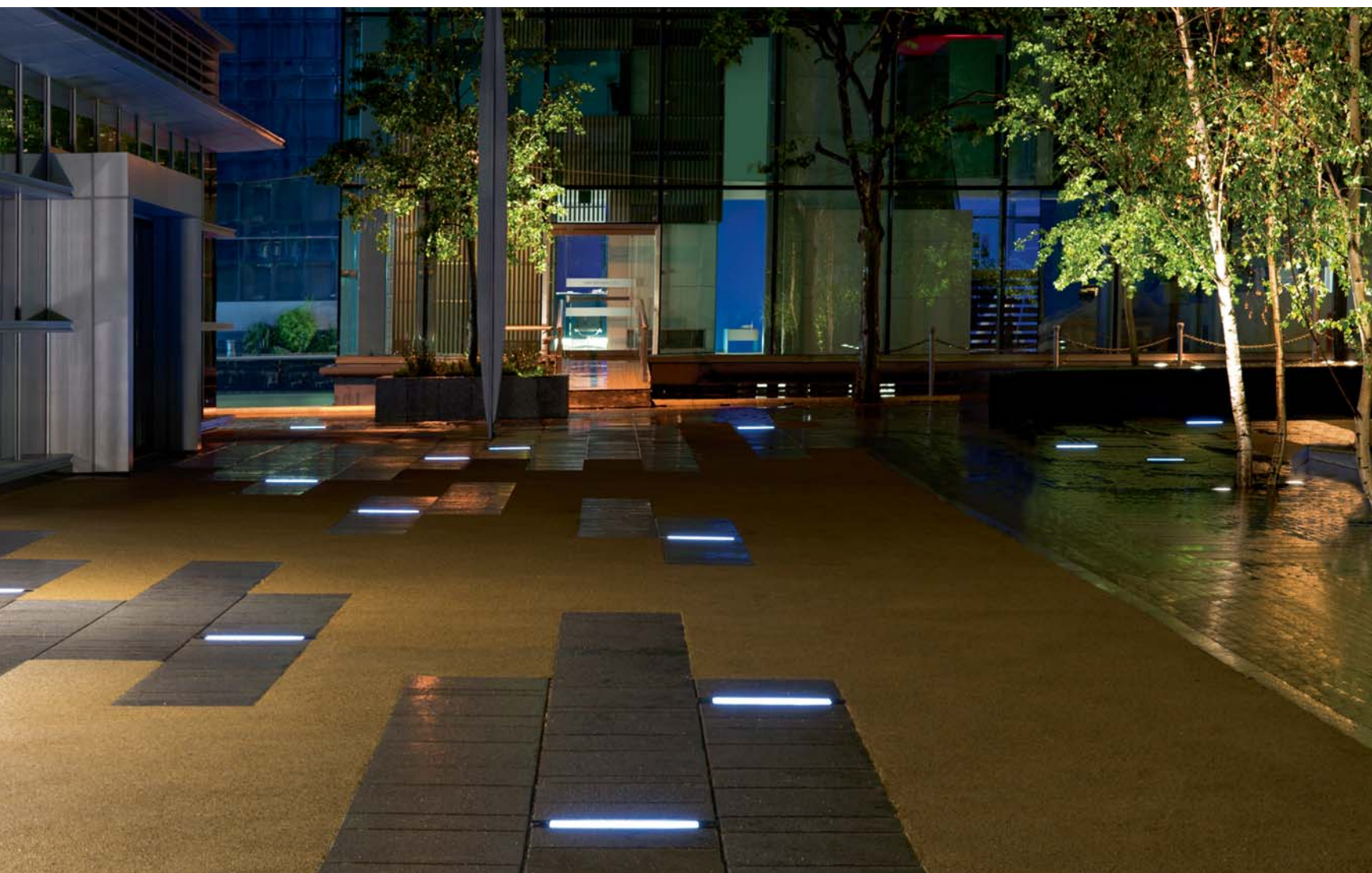
Light source

T5 21-39 W

Accessories

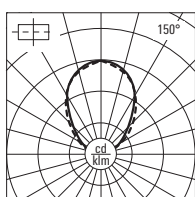
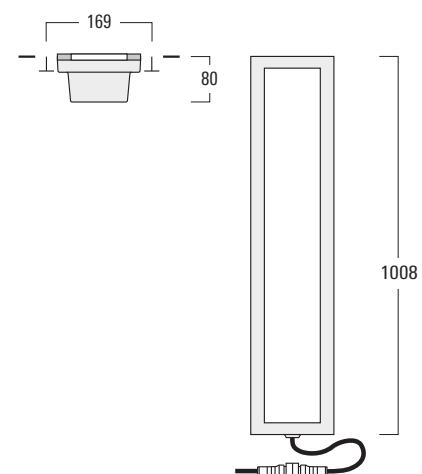
■ Mounting, page 48

■ Electrical, page 50



Pan Peninsula Canary Wharf. London (UK). Architect: SOM. Landscape architect: Urban Land Studios. Lighting design: MBLD.

	Part ID	Light source	lm	cd/klm	C ₀ C ₁₈₀	C ₉₀ C ₂₇₀	kg
ETR149	186-0043 [ECG]	T5 21W G5	1900	239	41°/41°	44°/44°	14.0
	186-0044 [ECG]	T5 39W G5	3100	239	41°/41°	44°/44°	14.0



ETR100 SERIES

Inground luminaire, linear, wallwash distribution, asymmetric.

IP67, Class I, IK10+. Die-cast body made from marine-grade aluminium alloy. Stainless steel frame including PCS hardware. Silicone rubber gasket. Factory-sealed termination chamber complete with cable gland and 1.5 m of flexible PVC free cable. IP68 in-line connector. Safety glass; max. load 5 tonnes. Luminaire can be driven over at low speed.

Anodised reflector with 6° or 20° tilt. Integral ECG control gear. Optional 1-10V or DALI interface on request.

Luminaire requires installation blackout BER. To be ordered separately. Option with Anti-Slip ceramic Coating ASC to DIN 51130 (Trip Classification 10) available on request.

Light source
T5 21-39 W

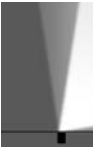
Light distributions
[LA6] [LA20]

Accessories

■ Mounting, page 48

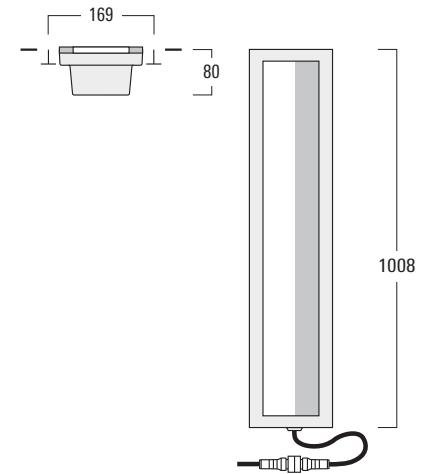
■ Electrical, page 50





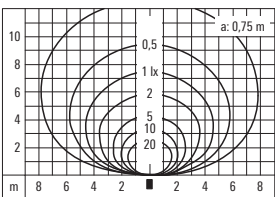
[LA6] Linear, wallwash distribution, asymmetric

[LA20] Linear, wallwash distribution, asymmetric

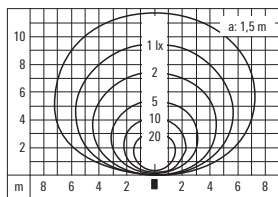


[LA6]	Part ID	Light source	lm	Factor*	kg
ETR140	186-0099 [ECG]	T5 21W G5	1900	1.00	14.0
	186-0100 [ECG]	T5 39W G5	3100	1.63	14.0

[LA20]	Part ID	Light source	lm	Factor*	kg
ETR140	186-0097 [ECG]	T5 21W G5	1900	1.00	14.0
	186-0098 [ECG]	T5 39W G5	3100	1.63	14.0



[LA6]



[LA20]

* Multiplier for Isolux value

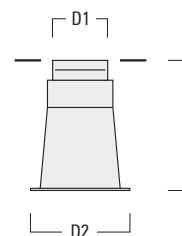
MOUNTING ACCESSORIES

Installation Cover				kg
for ETC109	185-1850	BE		0.04
for ETC110 / 119	185-0414	BE		0.06
for ETC120 / 129	185-0796	BE		0.17
for ETC329	185-0796	BE		0.17
for ETC130 / 139	185-0325	BE		0.45
for ETC330 / 339	185-0325	BE		0.45
for ETC140	185-0326	BE		0.66
for ETC150	185-1623	BE		1.00

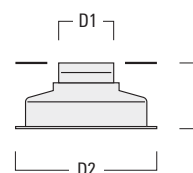
Installation blockouts				D1 / D2	H	Material	kg
for ETC109	185-1855	BET	65/95	120	PA	0.3	
for ETC110 / 119	185-0797	BET	95/170	220	PA	0.5	
for ETC110 / 119	185-0412	BET	95/240	110	PA	0.5	
for ETC120	185-0923	BET	160/225	300	MDPE	1.0	
for ETC329	185-9546	BET	160/350	180	PA	1.0	
for ETC330 / 339	185-0924	BET	250/305	230	MDPE	1.5	
for ETC130 / 139	185-0322	BET	250/270	375	MDPE	1.5	
for ESC130	185-0322	BET	250/270	375	MDPE	1.5	
for ETC140 ≤ 70 W	185-0323	BET	300/325	420	MDPE	2.5	
for ESC140 ≤ 70 W	185-0323	BET	300/325	420	MDPE	2.5	
for ETC140 ≥ 100 W	185-1036	BET	300/325	420	AlSi	6.5	
for ETC150	185-1622	BET	369/380	435	AlSi	8.0	

Installation blockouts				D1	D2	C	A	kg
made from anodised aluminium								
for ETV120	186-0281	BEV (for 1 luminaire)	54	120	130	675	2.4	
	186-0282	BEV (for 2 luminaires)	54	120	130	1304	4.8	
	186-0283	BEV (for 3 luminaires)	54	120	130	1933	7.2	
	186-0284	BEV (for 4 luminaires)	54	120	130	2562	9.6	
for ETV130	186-0285	BEV (for 1 luminaire)	54	120	130	975	3.5	
	186-0286	BEV (for 2 luminaires)	54	120	130	1904	7.0	
	186-0287	BEV (for 3 luminaires)	54	120	130	2833	10.5	
	186-0288	BEV (for 4 luminaires)	54	120	130	3762	14.0	
for ETV140	186-0289	BEV (for 1 luminaire)	54	120	130	1275	4.6	
	186-0290	BEV (for 2 luminaires)	54	120	130	2504	9.2	
	186-0291	BEV (for 3 luminaires)	54	120	130	3733	13.8	
	186-0292	BEV (for 4 luminaires)	54	120	130	4962	18.4	

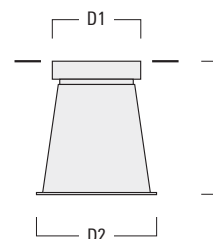
Installation blockouts				D1	D2	C	A	kg
made from anodised aluminium and stainless steel								
for ETR139	186-0101	BER (for 1 luminaire)	169	251	150	570	7.6	
for ETR140 / 149	186-0102	BER (for 1 luminaire)	169	251	150	1020	12.7	
for ETR159	186-0103	BER (for 1 luminaire)	169	251	150	1470	17.9	



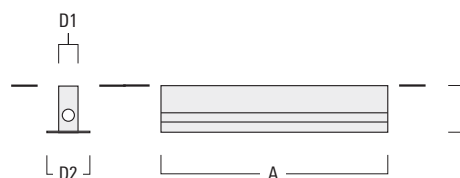
Installation Blockout for
ETC109
ETC110
ETC119



Installation Blockout for
ETC110
ETC119
ETC329
ETC330 / ETC339



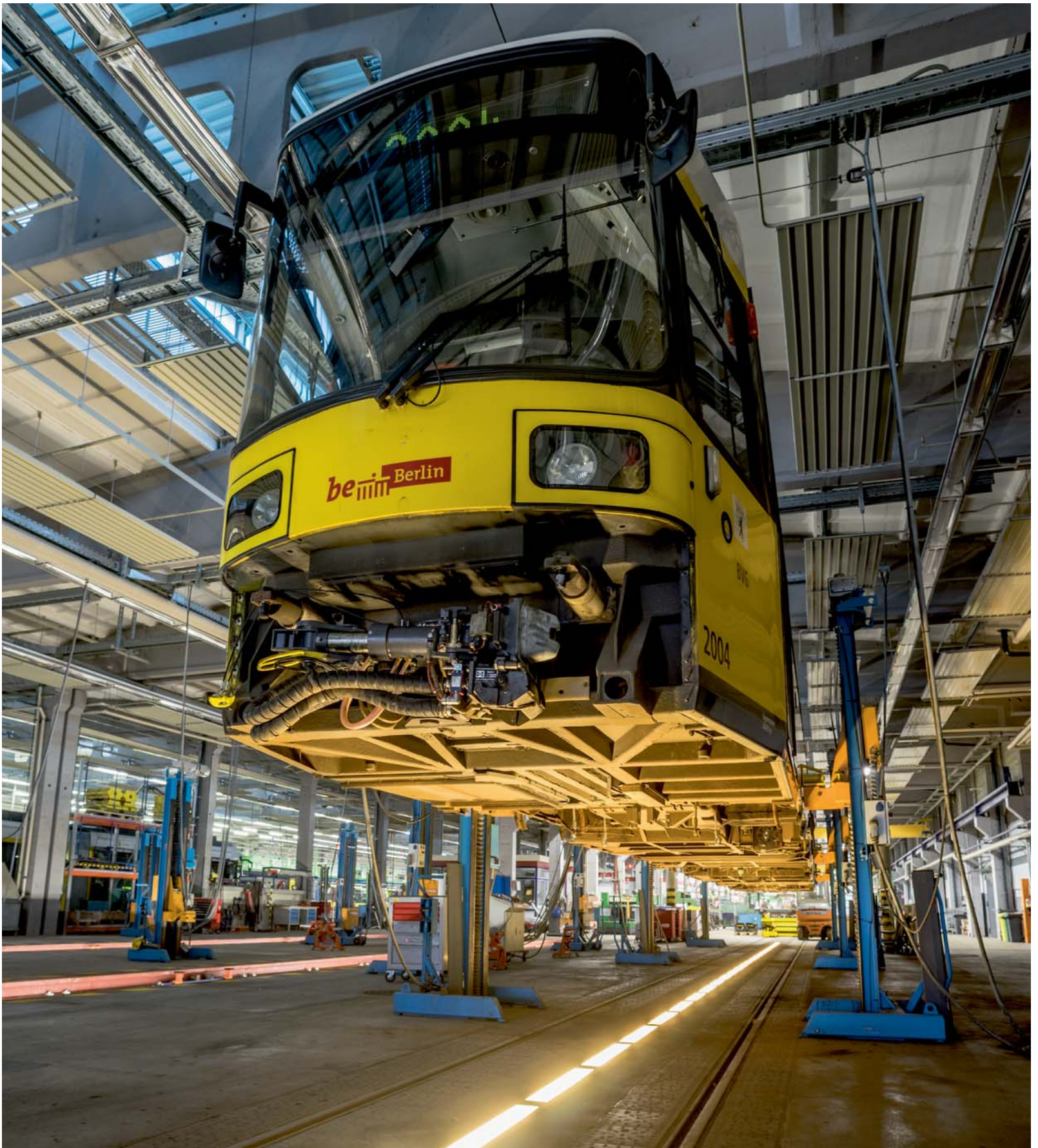
Installation Blockout for
ETC120 / ETC129
ETC130 / ETC139
ETC140 ≤70 W
ETC140 ≥100 W
ETC150
ESC130 / ESC140



Installation Blockout for
ETV120
ETV130
ETV140



Installation Blockout for
ETR139
ETR140 / ETR149
ETR159



Tram maintenance workshop Marzahn, Berlin (D)

ELECTRICAL ACCESSORIES

Mains converter (230V / 12V)

IP20, Class I. Mounting to 35 mm rail.

			A	B	C
for ETC109	400-0302	TVE-DC 12 V/12 W	89	59	54
	400-0309	TVE-DC 12 V/48 W	89	59	72

Mains converter (230V / 24V)

IP20, Class I. Mounting to 35 mm rail.

			A	B	C
for ETC110 / 119	400-0310	TVE-DC 24 V/12 W	90	61	18
	400-0311	TVE-DC 24 V/60 W	89	59	72

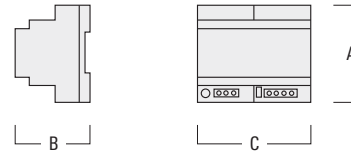
Magnetic transformer (230V / 24V)

IP65, Class II.

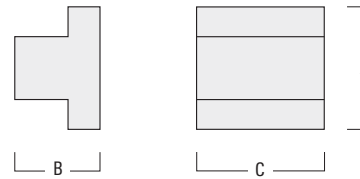
			A	B	C
for ETC110 / 119	185-2884	TVM-AC 24 V/20 W	40	65	90
	185-2885	TVM-AC 24 V/50 W	140	65	90

Sealable Junction Box

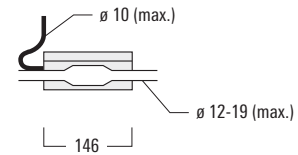
for EFC/ESC/ETC/ETV/ETR 185-1624 SJB



Mains converter



Magnetic transformer



Sealable Junction Box



Sculpture installation "Im Aufbruch". Parliament NRW Duesseldorf (D). Architect: Peter Andres, Hamburg. Artists: Stefanie Schenk-Busse & Björn Busse, Visbeck-Meschede. Planning: Heuel-Schauerte, Meschede.

OPTICAL ACCESSORIES



Gimbal

A maximum of one internal optical accessory.

Flood lens IO-360

for ETC120-GB	185-2865
for ETC130-GB / ETC330-GB	185-2866
for ETC140-GB	185-2867

Linear spread lens IO-180

for ETC120-GB	185-9612
for ETC130-GB / ETC330-GB	185-2632
for ETC140-GB	185-2719

Honeycomb louvre IW*

for ETC120-GB	185-2869
for ETC130-GB / ETC330-GB	185-2870
for ETC140-GB	185-2871

* not suitable für [B] version

Fixed

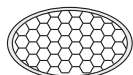
A maximum of one internal optical accessory.

Flood lens IO-360

for ETC110 – 1 LED / 3 LED	185-0899
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Linear spread lens IO-180

for ETC110 – 1 LED / 3 LED	185-0895
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IW

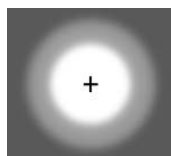


IO-360

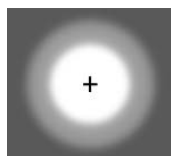


IO-180

medium beam



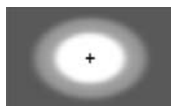
medium beam



with IO-360



with IO-180



OPTICAL ACCESSORIES

Gimbal

A maximum of two internal optical accessories.

Flood lens IO-360

for ETC130-GB	185-2465
for ETC140-GB	185-2467

Linear spread lens IO-180

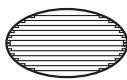
for ETC130-GB	185-2466
for ETC140-GB	185-2468

Colour filter IF

	red	green	blue	yellow
for ETC130-GB	185-2457	185-2458	185-2459	185-2460
for ETC140-GB	185-2461	185-2462	185-2463	185-2464



IR



IL



IQ



IF



IO-360



IO-180

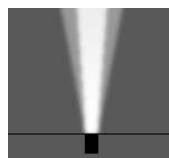


IO-6

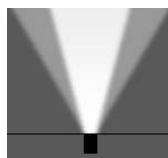


IO-20

very narrow beam



medium beam



with IO-6



with IO-20



CTA®



slip resistant ASC coating optional

Fixed

ETC330: A maximum of one internal optical accessory.

ESC130 / ESC140 / ETC120 / ETC130 / ETC140 / ETC150:

A maximum of three internal optical accessories.

Flood lens IO-360

for ETC120	185-0900
for ETC130 / ETC330	185-0901
for ETC140	185-0902
for ETC150	185-1640

Linear spread lens IO-180

for ETC120	185-0896
for ETC130 / ETC330	185-0897
for ETC140	185-0898
for ETC150	185-1639

Directional lens IO-6

for ETC120	185-1634
for ETC130 / ETC330	185-0891
for ETC140	185-0893
for ETC150	185-1635

Directional lens IO-20

for ETC120	185-1637
for ETC130 / ETC330	185-0892
for ETC140	185-0894
for ETC150	185-1638

Colour filter IF

	red	green	blue	yellow
for ETC120	185-0904	185-0912	185-0908	185-0884
for ETC130 / ETC330	185-0905	185-0415	185-0909	185-0885
for ETC140	185-0906	185-0419	185-0910	185-0886
for ETC150	185-1641	185-1642	185-1643	185-1644

Linear louvre IL

for ETC120 [M]	185-0793
for ETC130 [B] [M]	185-0794
for ETC140 [B] [M]	185-0795
for ETC150 [M]	185-1626

Concentric louvre IR

for ETC120 [EE]	185-0789
for ETC130 [EE]	185-0790
for ETC140 [EE]	185-0791
for ETC150 [EE]	185-1625

Source Shield IQ

for ETC130 [EE]	185-0876
for ETC140 [EE]	185-0877
for ETC150 [EE]	185-1632

Cool Touch Adaptor CTA®

for ETC130	185-0728
for ESC130	185-0728
for ETC140	185-0727
for ESC140	185-0727
for ETC150	185-1645