

we-ef

WE-EF LEUCHTEN
General Catalogue
European Edition
2016–2018



IOS® Beam distributions for projectors

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

- [BL] profile projector for zoom, gobo or framing applications

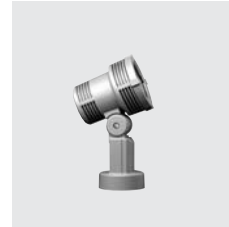
Projectors



FLC100 LED 288



FLC100 LED 290



FLC100 292



ACCESSORIES FLC100
 ■ Mounting 294
 ■ Optical 296



FLD100 LED 298



ACCESSORIES FLD100
 ■ Mounting 300
 ■ Optical 301



FLC200 LED 302



FLC200 304



FLC200 CC 316



FLC200 BL 318



FLC200 CC + BL 320



ACCESSORIES FLC200
 ■ Mounting 322
 ■ Electrical 323
 ■ Optical 324

FLC100 SERIES

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

IP55, Class I. IK07. Marine-grade die-cast aluminium alloy. 5CE superior corrosion protection including PCS hardware. Powdercoat finish in RAL 9004, RAL 9006, RAL 9007 or RAL 9016. Silicone rubber gasket. Safety glass.

EC electronic converter in thermally separated compartment.

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

Knuckle permits 350° horizontal and 90° vertical aiming of optics.

Light source

LED 12-48 W, 3000 K,
for 4000 K refer to www.we-ef.com

Light distributions

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

Accessories

■ Optical, page 296





[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'

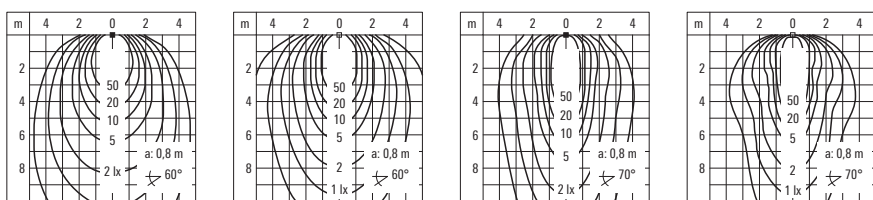
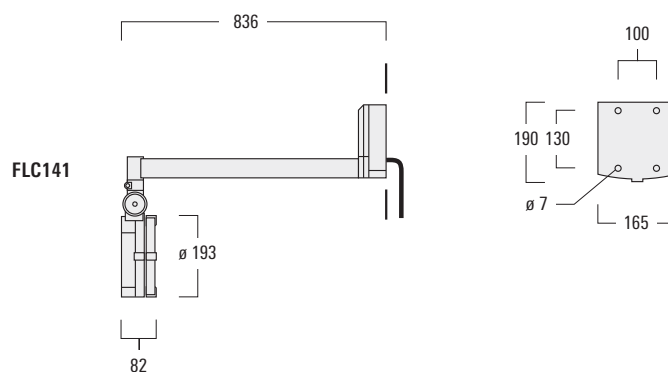
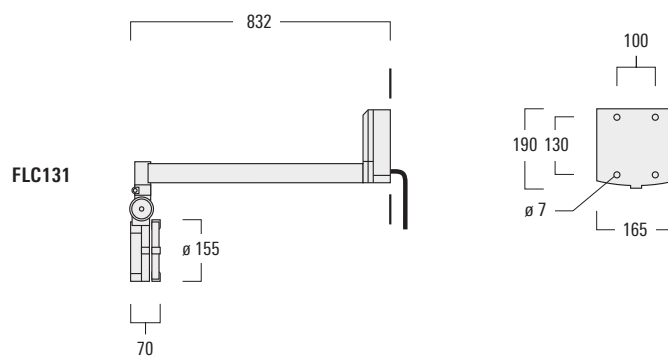
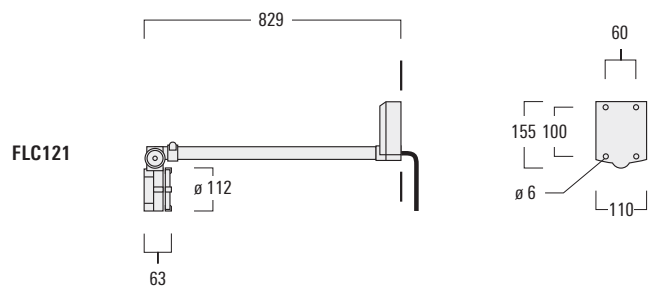


[B]	Part ID	Light source	K	lm*	Factor**	kg
FLC121	145-0070	6 LED 12W / 700 mA	3000	1476	0.50	2.9
FLC131	146-0512	12 LED 24W / 700 mA	3000	2951	1.00	4.5
FLC141	146-7066	24 LED 48W / 700 mA	3000	5903	1.50	6.3

[M]	Part ID	Light source	K	lm*	Factor**	kg
FLC121	145-0037	6 LED 12W / 700 mA	3000	1476	0.50	2.9
FLC131	146-0405	12 LED 24W / 700 mA	3000	2951	1.00	4.5
FLC141	146-7054	24 LED 48W / 700 mA	3000	5903	1.50	6.3

[EE]	Part ID	Light source	K	lm*	Factor**	kg
FLC121	145-0073	6 LED 12W / 700 mA	3000	1476	0.50	2.9
FLC131	146-0515	12 LED 24W / 700 mA	3000	2951	1.00	4.5
FLC141	146-7068	24 LED 48W / 700 mA	3000	5903	1.50	6.3

[EES]	Part ID	Light source	K	lm*	Factor**	kg
FLC121	145-0040	6 LED 12W / 700 mA	3000	1476	0.50	2.9
FLC131	146-0408	12 LED 24W / 700 mA	3000	2951	1.00	4.5
FLC141	146-7056	24 LED 48W / 700 mA	3000	5903	1.50	6.3



[B] [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.
 ** Multiplier for Isolux value

FLC100 SERIES

Projector, 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 9004, RAL 9006, RAL 9007 or RAL 9016. Silicone rubber gasket. Safety glass.

Integral EC electronic converter in thermally separated compartment.

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

Light source

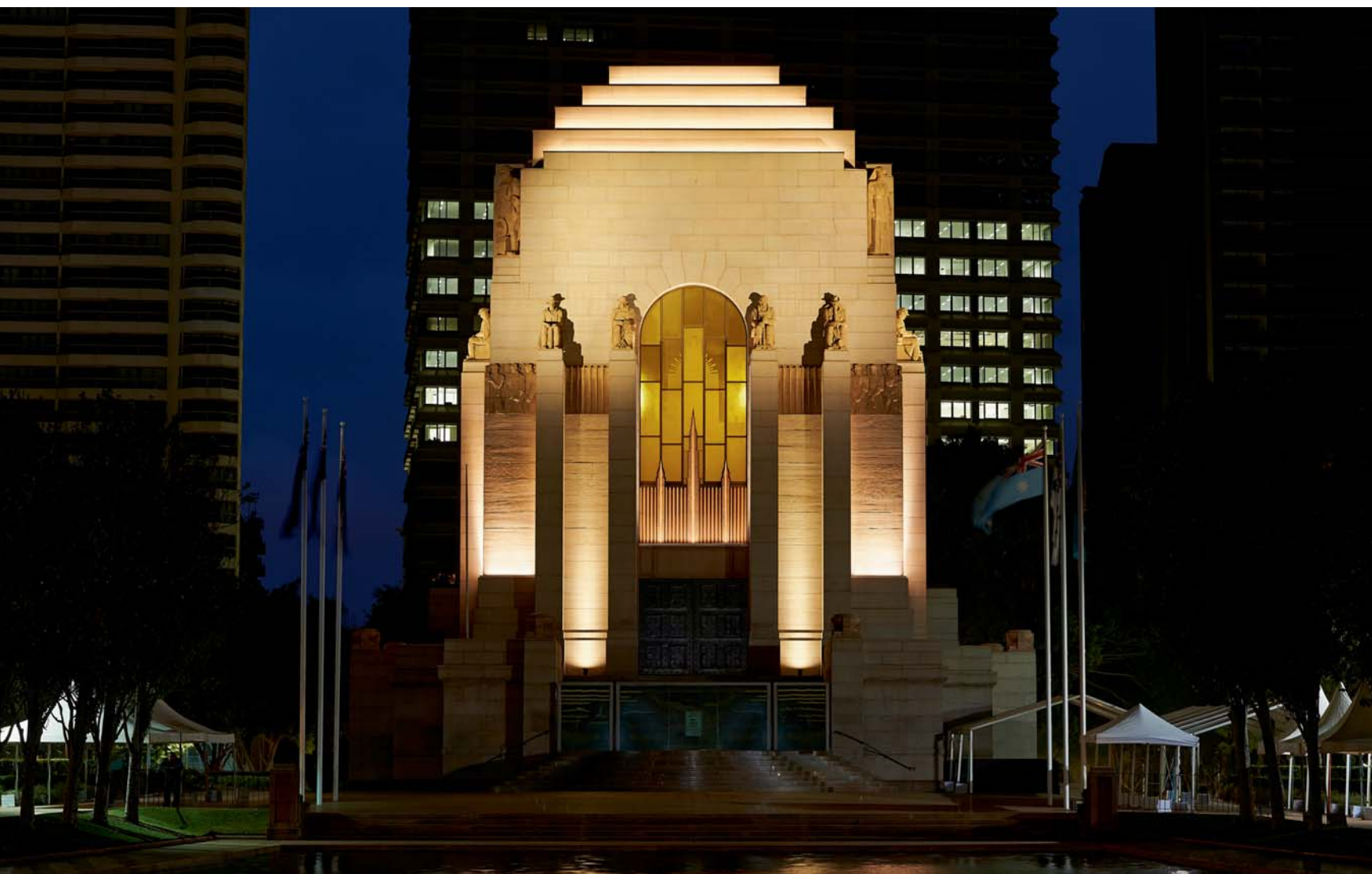
LED 12-48 W, 3000 K,
for 4000 K refer to www.we-ef.com

Light distributions

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

Accessories

- Mounting, page 294
- Optical, page 296



ANZAC War Memorial. Sydney (AUS). Lighting Design: Point of View.



[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'



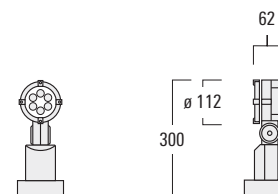
[B]	Part ID	Light source	K	lm*	cd/klm	C ₀ C ₁₈₀	kg
FLC121	145-0052	6 LED 12W / 700 mA	3000	1476	934	25°/25°	1.7
FLC131	146-0494	12 LED 24W / 700 mA	3000	2951	920	25°/25°	2.5
FLC141	146-7062	24 LED 48W / 700 mA	3000	5903	934	25°/25°	4.4

[M]	Part ID	Light source	K	lm*	cd/klm	C ₀ C ₁₈₀	kg
FLC121	145-0031	6 LED 12W / 700 mA	3000	1476	2196	16°/16°	1.7
FLC131	146-0399	12 LED 24W / 700 mA	3000	2951	2196	16°/16°	2.5
FLC141	146-7050	24 LED 48W / 700 mA	3000	5903	2196	16°/16°	4.4

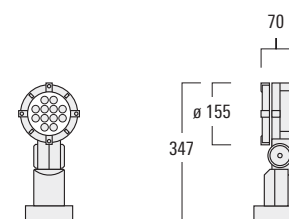
[EE]	Part ID	Light source	K	lm*	cd/klm	C ₀ C ₁₈₀	kg
FLC121	145-0055	6 LED 12W / 700 mA	3000	1476	7207	7°/7°	1.7
FLC131	146-0497	12 LED 24W / 700 mA	3000	2951	7191	7°/7°	2.5
FLC141	146-7064	24 LED 48W / 700 mA	3000	5903	7207	7°/7°	4.4

[EES]	Part ID	Light source	K	lm*	cd/klm	C ₀ C ₁₈₀	kg
FLC121	145-0034	6 LED 12W / 700 mA	3000	1476	22108	5°/5°	1.7
FLC131	146-0402	12 LED 24W / 700 mA	3000	2951	20389	5°/5°	2.5
FLC141	146-7052	24 LED 48W / 700 mA	3000	5903	22108	5°/5°	4.4

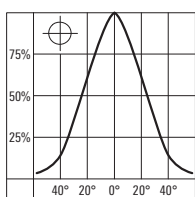
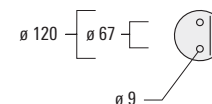
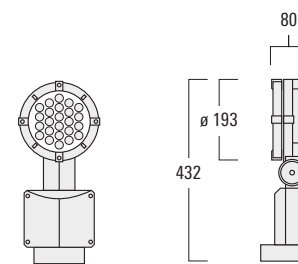
FLC121



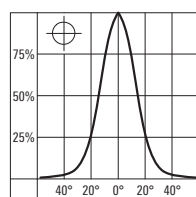
FLC131



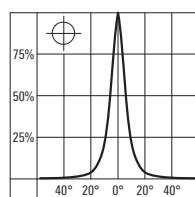
FLC141



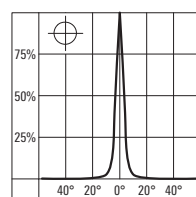
[B]



[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.

FLC100 SERIES

Projector, wide, medium or very 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 9004, RAL 9006, RAL 9007 or RAL 9016. Silicone rubber gasket. Safety glass lens. Anodised aluminium reflector.

Integral electronic transformer for low voltage lamps, or ECG control gear for discharge lamps, in thermally separated compartment.

Light source

QT 65 W

HIT 20-150 W

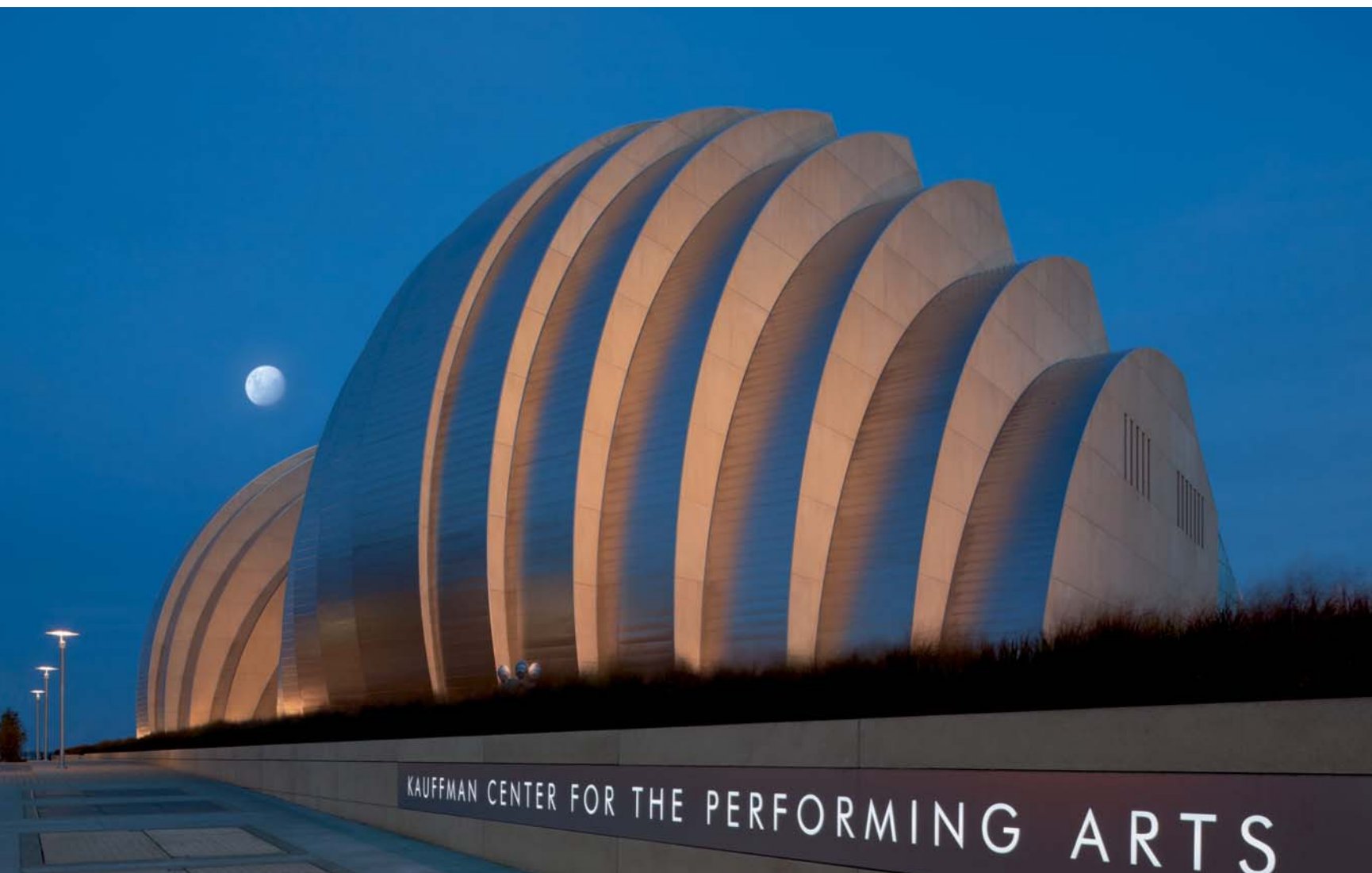
Light distributions

[B] [M] [EE]

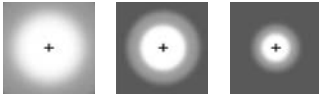
Accessories

■ Mounting, page 294

■ Optical, page 296



Kauffman Center for the Performing Arts. Kansas City (USA). Architect: Safdie Architects with BNIM. Lighting Designer: Lam Partners and Derek Porter Studio.



[B] [M] [EE]

[B] Wide beam distribution, symmetric

[M] Medium beam distribution, symmetric

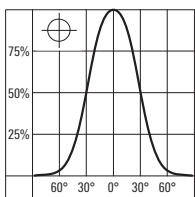
[EE] Very narrow beam distribution, symmetric



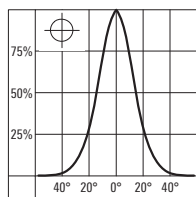
[B]	Part ID	Light source	lm	cd/klm	C ₀ C ₁₈₀	kg
FLC121	145-9073 [ET]	QT 12 (-LP) ax 65W/c GY6.35/12V	1700	259	32°/32°	1.8
	145-9075 [ECG]	HIT-TC-CE 20W PGJ5	1650	504	30°/30°	1.8
	145-9077 [ECG]	HIT-TC-CE 35W PGJ5	3000	478	30°/30°	1.8

[M]	Part ID	Light source	lm	cd/klm	C ₀ C ₁₈₀	kg
FLC121	145-9002 [ET]	QT 12 (-LP) ax 65W/c GY6.35/12V	1700	1156	14°/14°	1.8
	145-9004 [ECG]	HIT-TC-CE 20W PGJ5	1650	1810	15°/15°	1.8
	145-9006 [ECG]	HIT-TC-CE 35W PGJ5	3000	1771	15°/15°	1.8
FLC131	146-0113 [ECG]	HIT-CE 35W G12	3600	1392	17°/17°	3.6
	146-0117 [ECG]	HIT-CE 70W G12	7300	1296	17°/17°	3.6
FLC141	146-0184 [ECG]	HIT-CE 150W G12	15000	1361	18°/18°	5.7

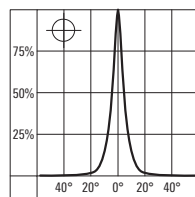
[EE]	Part ID	Light source	lm	cd/klm	C ₀ C ₁₈₀	kg
FLC121	145-9012 [ET]	QT 12 (-LP) ax 65W/c GY6.35/12V	1700	5517	5°/5°	1.8
	145-9014 [ECG]	HIT-TC-CE 20W PGJ5	1650	10995	5°/5°	1.8
	145-9016 [ECG]	HIT-TC-CE 35W PGJ5	3000	8581	5°/5°	1.8
FLC131	146-0129 [ECG]	HIT-CE 35WG12	3600	12741	4°/4°	3.6
	146-0133 [ECG]	HIT-CE 70WG12	7300	7479	4°/4°	3.6
FLC141	146-0200 [ECG]	HIT-CE 150WG12	15000	7146	4°/4°	5.7



[B]

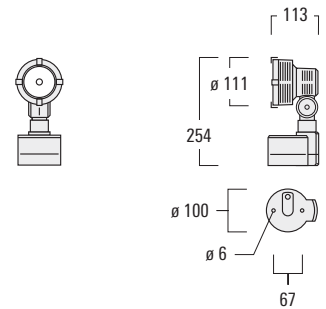


[M]

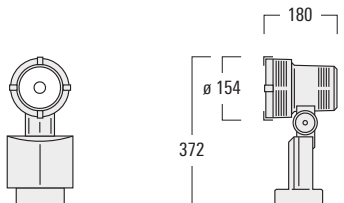


[EE]

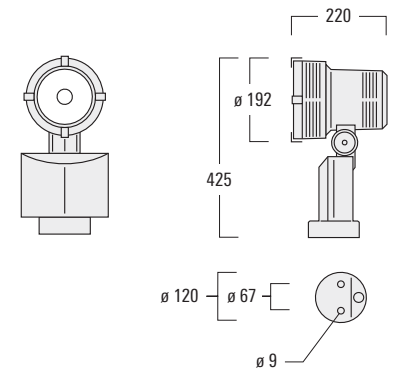
FLC121



FLC131



FLC141



MOUNTING ACCESSORIES – FLC100 SERIES

Marine-grade aluminium construction. 5CE superior corrosion protection including PCS hardware. Powdercoat finish in RAL 9004, RAL 9006, RAL 9007 or RAL 9016.

Short post

				kg
for FLC121	145-9200	EM1-2/M5	Short post	1.1
for FLC131 / 141	146-0253	EM1-2/M8	Short post	1.1

Matching planted root to be ordered separately:

Planted root for short post

				kg
for FLC100 Series	300-0461	ESV4	Planted root	4.4

Galvanised steel

Ground spike

				kg
for FLC121	145-9196	EF1-2/M5	Ground spike	0.4
for FLC131 / 141	146-0251	EF1-2/M8	Ground spike	0.4

Stainless steel, including 5 m of flexible cable and plug

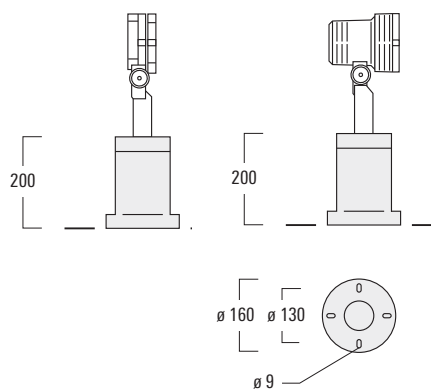
Pipe clamps

				D	kg
for FLC100 Series	146-0245	SP1-2/M8	Pipe clamp	38-60	1.0
	146-0246	SP1-2/M8	Pipe clamp	76-89	1.2
	146-0247	SP2-2/M8	Pipe clamp	38-60	1.0
	146-0248	SP2-2/M8	Pipe clamp	76-89	1.2

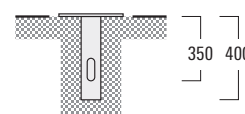
Wall mounted junction box

				kg
for FLC131 / 141	310-9000	JB1-2/M8	Wall mounted junction box	1.6

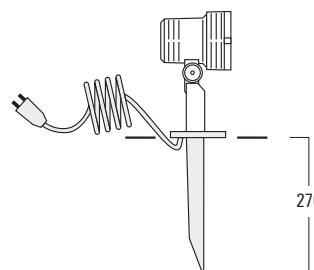
For surface mounted cable



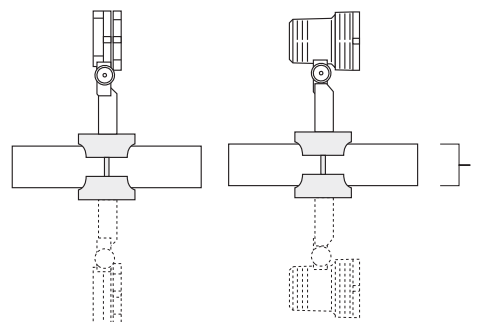
Short post EM1



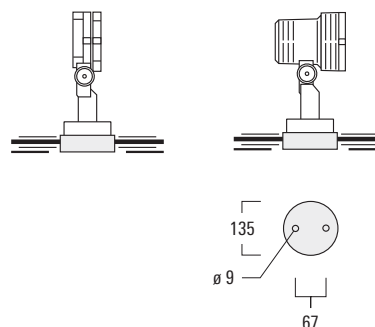
Planted root ESV4



Ground spike EF1



Pipe clamps SP1/SP2



Junction box JB1



Serpentine Pavilion 2010. London (UK). Architect: Jean Nouvel, Paris. Lighting design: Arup Lighting, London.

OPTICAL ACCESSORIES – FLC100 SERIES



Internal Accessories

A maximum of one internal optical accessory.

Flood lens IO-360

for FLC121	145-0142
for FLC131	146-0623
for FLC141	146-0624

Linear spread lens IO-180

for FLC121	145-0050
for FLC131	146-0418
for FLC141	146-0439

Wallwash lens IO-20*

for FLC121 [M]	145-0145
for FLC131 [M]	146-0645
for FLC141 [M]	146-0646

Honeycomb louvre IW**

for FLC121	145-0143
for FLC131	146-0625
for FLC141	146-0626

* ideal for uniform wall washing applications

** not for [B] version

External Accessories

A maximum of one external optical accessory.

Wire guard EG

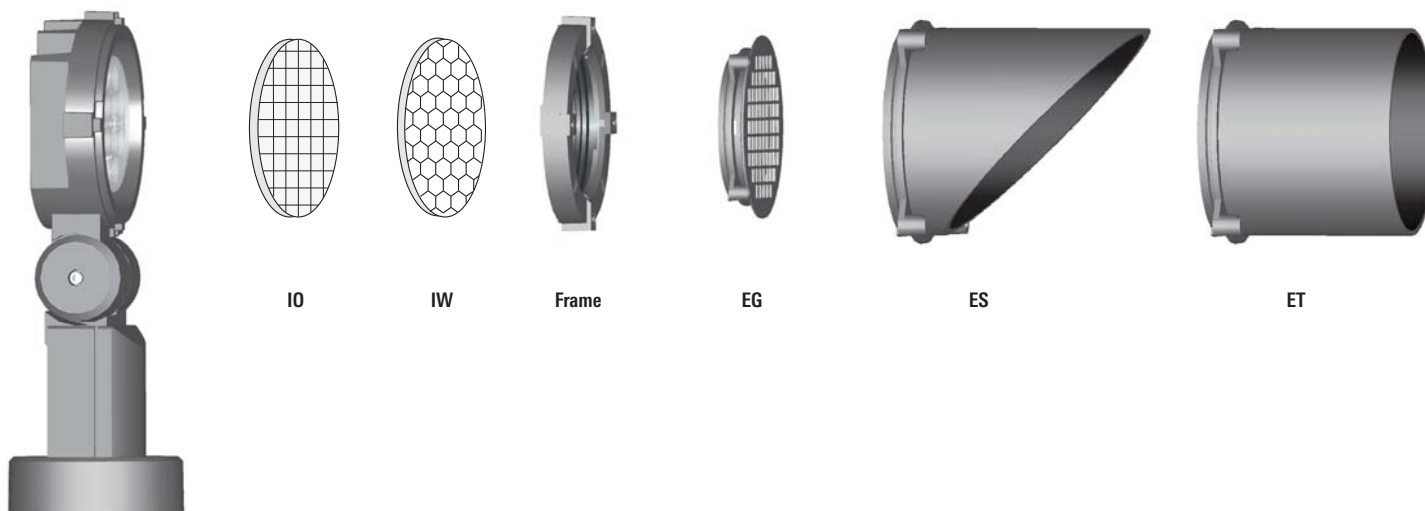
for FLC121	145-9190
for FLC131	146-0158
for FLC141	146-0231

Glare shield ES

for FLC121	145-9192
for FLC131	146-0156
for FLC141	146-0229

Snoot ET

for FLC121	145-0030
for FLC131	146-0397
for FLC141	146-0398



IO

IW

Frame

EG

ES

ET

OPTICAL ACCESSORIES – FLC100 SERIES

Internal Accessories

A maximum of two internal optical accessories.

Flood lens IO-360

for FLC121	145-9174
for FLC131	146-0258
for FLC141	146-0122

Linear spread lens IO-180

for FLC121	145-9172
for FLC131	146-0257
for FLC141	146-0123

Colour filter IF	red	green	blue	yellow
for FLC121	145-9176	145-9178	145-9180	145-9182
for FLC131	146-0262	146-0260	146-0259	146-0261
for FLC141	146-0141	146-0135	146-0119	146-0138

Source shield IQ

for FLC121 [EE]	145-9170
for FLC131 [EE]	146-0263
for FLC141 [EE]	146-0264

External Accessories

A maximum of one external optical accessory.

Wire guard EG

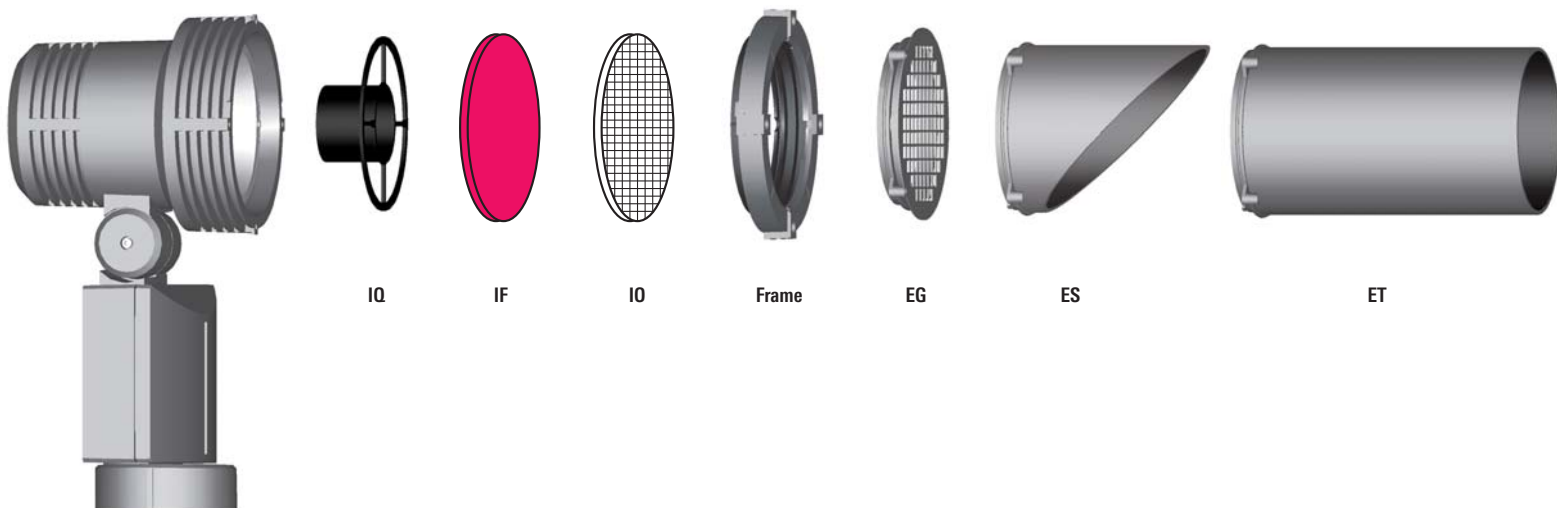
for FLC121	145-9190
for FLC131	146-0158
for FLC141	146-0231

Glare shield ES

for FLC121	145-9192
for FLC131	146-0156
for FLC141	146-0229

Snoot ET

for FLC121	145-9194
for FLC131	146-0157
for FLC141	146-0230



FLD100 SERIES

Projector, 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 9004, RAL 9006, RAL 9007 or RAL 9016. Silicone rubber gasket. Safety glass.

Integral EC electronic converter.

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

Light source

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



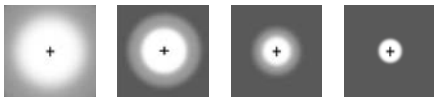
Light distributions

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

Accessories

- Mounting, page 300
- Optical, page 301





[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'

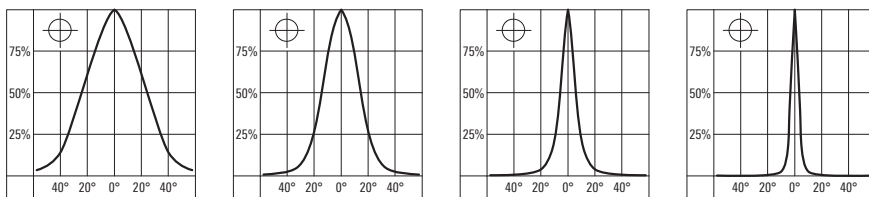
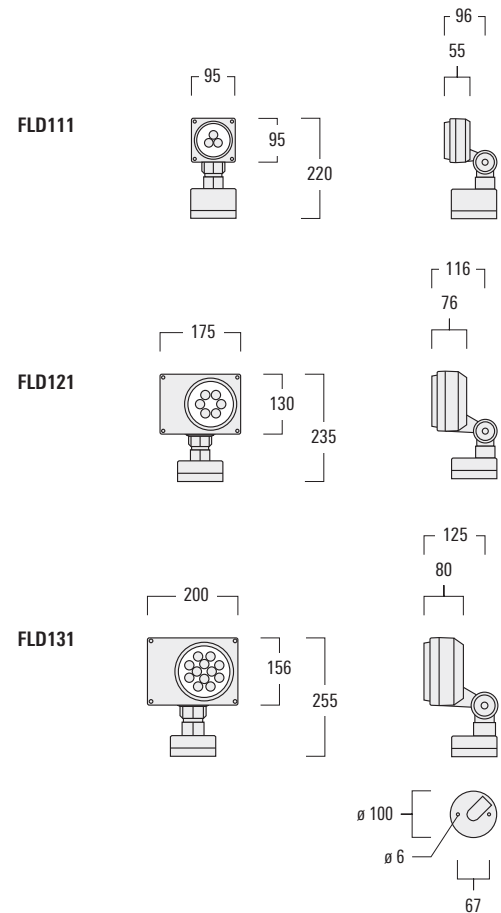


[B]	Part ID	Light source	K	lm*	cd/klm	C ₀ C ₁₈₀	kg
FLD121	145-9502	6 LED 12W / 700 mA	3000	1476	986	23°/23°	2.6
FLD131	145-9604	12 LED 24W / 700 mA	3000	2951	986	23°/23°	3.0

[M]	Part ID	Light source	K	lm*	cd/klm	C ₀ C ₁₈₀	kg
FLD111	145-9791	3 LED 6W / 700 mA	3000	738	1633	21°/21°	2.4
FLD121	145-9500	6 LED 12W / 700 mA	3000	1476	2261	17°/17°	2.6
FLD131	145-9549	12 LED 24W / 700 mA	3000	2951	2261	17°/17°	3.0

[EE]	Part ID	Light source	K	lm*	cd/klm	C ₀ C ₁₈₀	kg
FLD111	145-9792	3 LED 6W / 700 mA	3000	738	7530	7°/7°	2.4
FLD121	145-9504	6 LED 12W / 700 mA	3000	1476	7524	7°/7°	2.6
FLD131	145-9550	12 LED 24W / 700 mA	3000	2951	7524	7°/7°	3.0

[EES]	Part ID	Light source	K	lm*	cd/klm	C ₀ C ₁₈₀	kg
FLD111	145-9793	3 LED 6W / 700 mA	3000	738	16462	5°/5°	2.4
FLD121	145-9506	6 LED 12W / 700 mA	3000	1476	19392	5°/5°	2.6
FLD131	145-9605	12 LED 24W / 700 mA	3000	2951	19392	5°/5°	3.0



[B] [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.

MOUNTING ACCESSORIES – FLD100 SERIES

Marine-grade aluminium construction. 5CE superior corrosion protection including PCS hardware. Powdercoat finish in RAL 9004, RAL 9006, RAL 9007 or RAL 9016.

Short post kg

for FLD100 Series	145-9200	EM1-2/M5	Short post	1.1
-------------------	----------	----------	------------	-----

Matching planted root to be ordered separately:

Planted root for short post kg

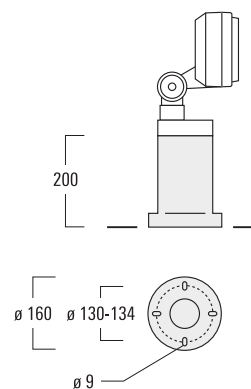
for FLD100 Series	300-0461	ESV4	Planted root	4.4
-------------------	----------	------	--------------	-----

galvanised steel

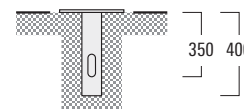
Ground spike kg

for FLD100 Series	145-9196	EF1-2/M5	Ground spike	0.4
-------------------	----------	----------	--------------	-----

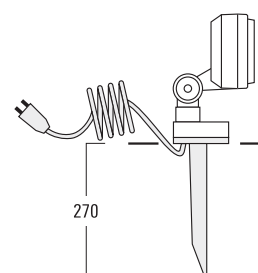
Stainless steel, including 5 m of flexible cable and plug



Short Post EM1



Planted root ESV4



Ground Spike EF1

OPTICAL ACCESSORIES – FLD100 SERIES



Internal Accessories

Wallwash lens IO-20*

for FLD111 [M]	145-9846
for FLD121 [M]	145-9479
for FLD131 [M]	145-9577

* ideal for uniform wall washing applications, factory fitted only.

External Accessories

A maximum of two external optical accessories. If a flood or spread lens is used as a 'stand alone' accessory, an optical adaptor is required – to be ordered separately.

Optical adaptor

for FLD111	145-9830
for FLD121	145-9530
for FLD131	145-9570

Flood lens EO-360

for FLD111	145-9834
for FLD121	145-9534
for FLD131	145-9574

Linear spread lens EO-180

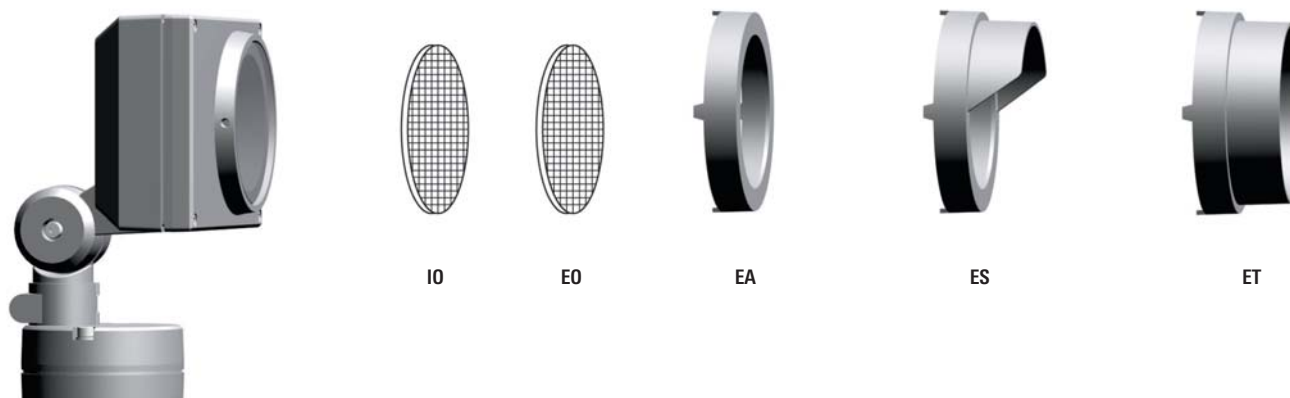
for FLD111	145-9833
for FLD121	145-9533
for FLD131	145-9573

Glare shield ES

for FLD111	145-9831
for FLD121	145-9531
for FLD131	145-9571

Snoot ET

for FLD111	145-9832
for FLD121	145-9532
for FLD131	145-9572



FLC200 SERIES

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

IP66, Class III. Without electronic converter.

IP66, Class I. With electronic converter.

IK09. Marine-grade die-cast aluminium. 5CE superior corrosion protection including PCS hardware. Powdercoat finish in RAL 9004, RAL 9006, RAL 9007 or RAL 9016.

Silicone rubber gasket. Safety glass lens.

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

Electronic converter required. To be ordered separately (for version without electronic converter).

Option available: ground spike made from stainless steel with 5m flexible cable and plug.

Light source

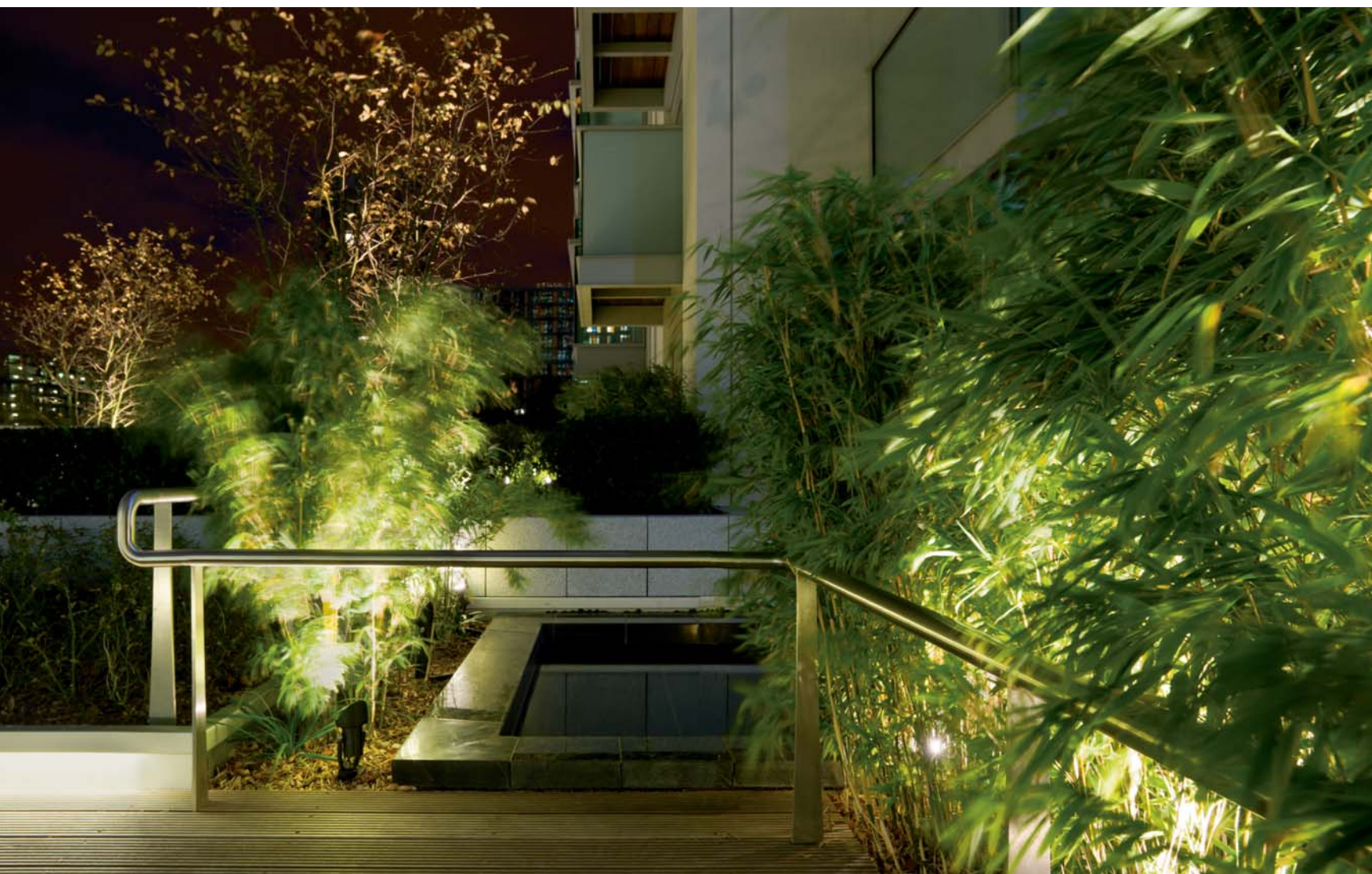
LED 2-3 W, 3000 K,
for 4000 K refer to www.we-ef.com

Light distributions

[M] [EE] [EES]

Accessories

- Mounting, page 322
- Optical, page 324





[M] [EE] [EES]

[M] Medium beam distribution, symmetric

[EE] Very narrow beam distribution, symmetric

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



without electronic converter



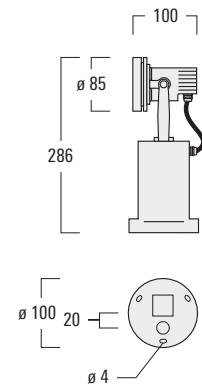
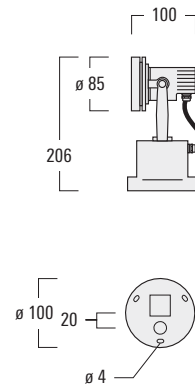
with electronic converter

[M]	Part ID	Light source	K	lm*	cd/klm	C ₀ C ₁₈₀	kg
FLC210	139-1641	3 LED 3W / 24V AC/DC	3000	404	1552	21°/21°	0.9
	139-1565	1 LED 2W / 24V AC/DC	3000	200	2119	16°/16°	0.9
FLC210**	139-1650	3 LED 3W / 230V	3000	404	1552	21°/21°	1.1
	139-1450	1 LED 2W / 230V	3000	200	2119	16°/16°	1.1

[EE]	Part ID	Light source	K	lm*	cd/klm	C ₀ C ₁₈₀	kg
FLC210	139-1642	3 LED 3W / 24V AC/DC	3000	404	7076	7°/7°	0.9
FLC210**	139-1652	3 LED 3W / 230V	3000	404	7076	7°/7°	1.1

[EES]	Part ID	Light source	K	lm*	cd/klm	C ₀ C ₁₈₀	kg
FLC210	139-1643	3 LED 3W / 24V AC/DC	3000	404	11915	6°/6°	0.9
	139-1671	1 LED 2W / 24V AC/DC	3000	200	29000	4°/4°	0.9
FLC210**	139-1654	3 LED 3W / 230V	3000	404	11915	6°/6°	1.1
	139-1673	1 LED 2W / 230V	3000	200	29000	4°/4°	1.1

** with electronic converter



Mains converter (230V / 24V DC)

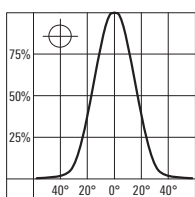
IP20, Class I. Mounting to 35 mm rail.

	A	B	C
for FLC210	400-0310	TVE-DC 24 V/12 W	90 18 61
	400-0311	TVE-DC 24 V/60 W	89 72 59

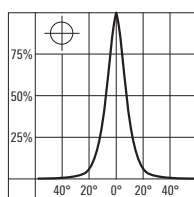
Magnetic transformer (230V / 24V AC)

IP65, Class II.

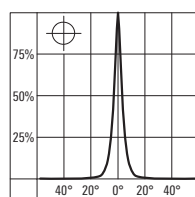
	A	B	C
for FLC210	185-2884	TVM-AC 24 V/20 W	40 65 90
	185-2885	TVM-AC 24 V/50 W	140 65 90



[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.

FLC200 SERIES

Projector, 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 9004, RAL 9006, RAL 9007 or RAL 9016. Silicone rubber gasket. Safety glass lens, hinged. One cable gland. Second gland for through wiring on request.

EC electronic converter.

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

Optional 1-10V or DALI interface on request.

Light source

LED 24-155 W, 3000 K,
for 4000 K refer to www.we-ef.com

Light distributions

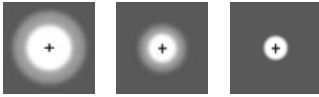
[M] [EE] [EES]

Accessories

- Mounting, page 322
- Optical, page 324



The Goods Line at Ultimo. Sydney (AUS) Lighting Design: Lighting, Art + Science. Landscape Architects: Aspect Studios / CHROFI



[M] [EE] [EES]

[M] Medium beam distribution, symmetric

[EE] Very narrow beam distribution, symmetric

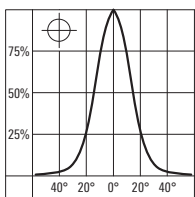
[EES] Very narrow beam distribution, symmetric, 'sharp cut-off'



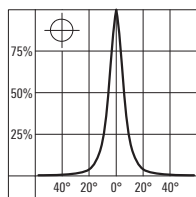
[M]	Part ID	Light source	K	lm*	cd/klm	C ₀ C ₁₈₀	kg
FLC220	139-1830	12 LED 24W / 700 mA	3000	3257	2829	15°/15°	9.1
	139-1836	12 LED 36W / 1050 mA	3000	4680	2829	15°/15°	9.1
	139-1842	12 LED 52W / 1400 mA	3000	5986	2829	15°/15°	9.1
FLC240	139-1812	24 LED 48W / 700 mA	3000	6515	2829	15°/15°	14.7
	139-1818	24 LED 72W / 1050 mA	3000	9360	2829	15°/15°	14.7
	139-1824	24 LED 104W / 1400 mA	3000	11971	2829	15°/15°	14.7
FLC260	139-1806	36 LED 72W / 700 mA	3000	9772	2829	15°/15°	18.8
	139-1791	36 LED 108W / 1050 mA	3000	14040	2829	15°/15°	18.8
	139-1797	36 LED 155W / 1400 mA	3000	17957	2829	15°/15°	18.8

[EE]	Part ID	Light source	K	lm*	cd/klm	C ₀ C ₁₈₀	kg
FLC220	139-1832	12 LED 24W / 700 mA	3000	3257	10951	7°/7°	9.1
	139-1838	12 LED 36W / 1050 mA	3000	4680	10951	7°/7°	9.1
	139-1844	12 LED 52W / 1400 mA	3000	5986	10951	7°/7°	9.1
FLC240	139-1814	24 LED 48W / 700 mA	3000	6515	10951	7°/7°	14.7
	139-1820	24 LED 72W / 1050 mA	3000	9360	10951	7°/7°	14.7
	139-1826	24 LED 104W / 1400 mA	3000	11971	10951	7°/7°	14.7
FLC260	139-1808	36 LED 72W / 700 mA	3000	9772	10951	7°/7°	18.8
	139-1793	36 LED 108W / 1050 mA	3000	14040	10951	7°/7°	18.8
	139-1799	36 LED 155W / 1400 mA	3000	17957	10951	7°/7°	18.8

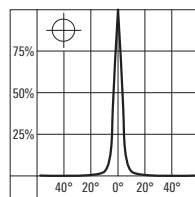
[EES]	Part ID	Light source	K	lm*	cd/klm	C ₀ C ₁₈₀	kg
FLC220	139-1834	12 LED 24W / 700 mA	3000	3257	27474	4°/4°	9.1
	139-1840	12 LED 36W / 1050 mA	3000	4680	27474	4°/4°	9.1
	139-1846	12 LED 52W / 1400 mA	3000	5986	27474	4°/4°	9.1
FLC240	139-1816	24 LED 48W / 700 mA	3000	6515	27474	4°/4°	14.7
	139-1822	24 LED 72W / 1050 mA	3000	9360	27474	4°/4°	14.7
	139-1828	24 LED 104W / 1400 mA	3000	11971	27474	4°/4°	14.7
FLC260	139-1810	36 LED 72W / 700 mA	3000	9772	27474	4°/4°	18.8
	139-1795	36 LED 108W / 1050 mA	3000	14040	27474	4°/4°	18.8
	139-1801	36 LED 155W / 1400 mA	3000	17957	27474	4°/4°	18.8



[M]

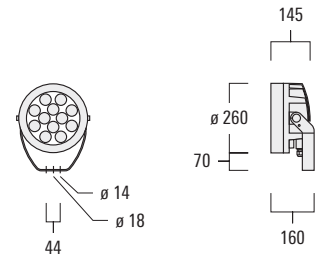


[EE]

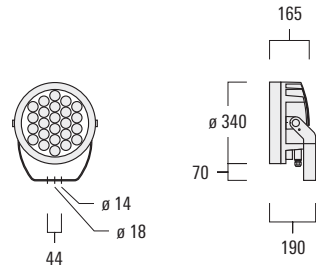


[EES]

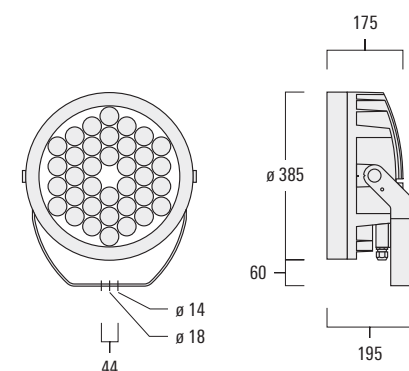
FLC220



FLC240



FLC260



* 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.

FLC200 COLOUR CHANGER SERIES

RGBW Colour changer, medium or very 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 9004, RAL 9006, RAL 9007 or RAL 9016. Silicone rubber gasket. Safety glass lens, hinged. One cable gland. Second gland for through wiring on request.

EC electronic converter with DMX interface. Optional DALI interface on request.

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

Light source

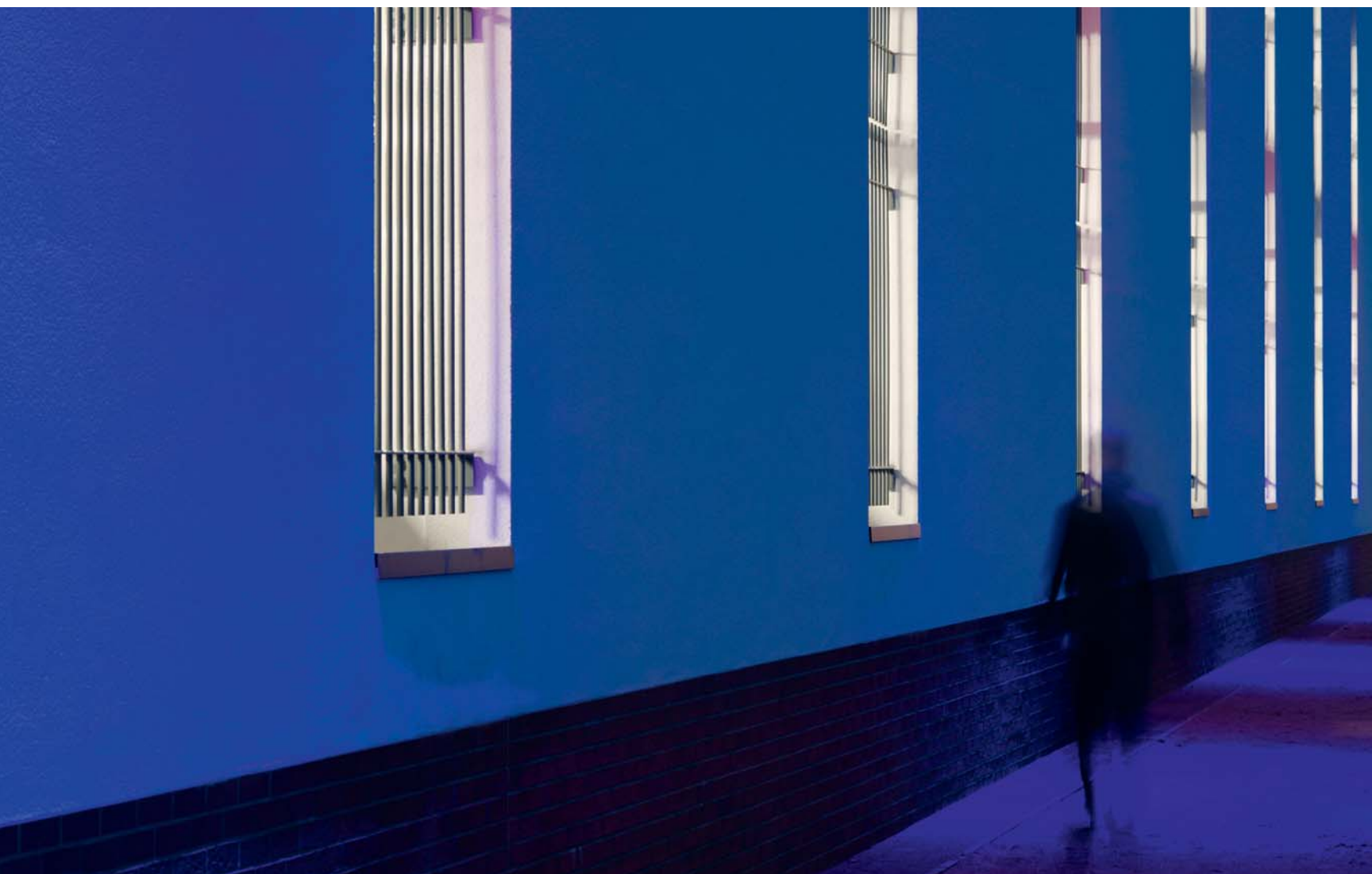
LED 74 W, 3000 K,
for 4000 K refer to www.we-ef.com

Light distributions

[M] [EE]

Accessories

- Mounting, page 322
- Optical, page 324





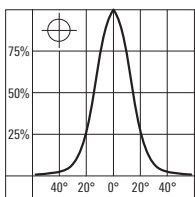
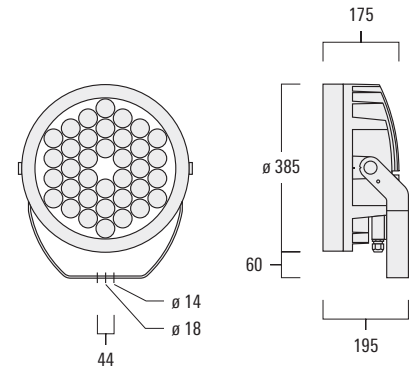
[M] [EE]

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

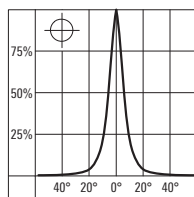


[M]	Part ID	Light source	lm*	cd/klm	C ₀ C ₁₈₀	kg
FLC260-CC [DMX]	139-1803	18 LED 74W / 350 mA RGBW	4295	2761	16°/16°	18.8

[EE]	Part ID	Light source	lm*	cd/klm	C ₀ C ₁₈₀	kg
FLC260-CC [DMX]	139-1804	18 LED 74W / 350 mA RGBW	4295	7804	8°/8°	18.8



[M]



[EE]

* All channels maximum performance

FLC200 SERIES

Projector, medium or very narrow beam distribution, symmetric.

IP66, Class III. Without electronic converter.

IP66, Class I. With electronic converter or ECG control gear.

IK09. Marine-grade die-cast aluminium. 5CE superior corrosion protection including PCS hardware. Powdercoat finish in RAL 9004, RAL 9004, RAL 9006, RAL 9007 or RAL 9016. Silicone rubber gasket. Anodised aluminium reflector. Safety glass lens.

Electronic converter required. To be ordered separately (for version without electronic converter).

Option available: ground spike made from stainless steel with 5m flexible cable and plug.

Light source

QT 35 W

HIT 20-35 W

Light distributions

[M] [EE]

Accessories

■ Mounting, page 322

■ Optical, page 34



Freie Kammerspiele. Magdeburg (D). Architect: Kirchner + Przyborowski, Magdeburg. Lighting design: IPK Magdeburg GmbH, Magdeburg.



[M] [EE]

[M] Medium beam distribution, symmetric

[EE] Very narrow beam distribution, symmetric



without electronic converter

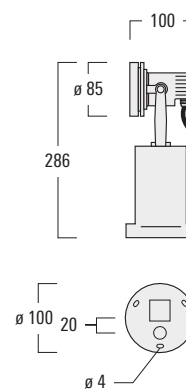
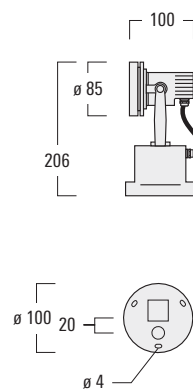


with electronic converter

[M]	Part ID	Light source	lm	cd/klm	C ₀ C ₁₈₀	kg
FLC210	139-1184	QT 12 (-LP) ax 35W/c GY6.35/12V	900	1239	13°/13°	0.9
FLC210*	139-1447 [ET]	QT 12 (-LP) ax 35W/c GY6.35/12V	900	1239	13°/13°	1.2
	139-1443 [ECG]	HIT-TC-CE 20W PGJ5	1650	806	22°/22°	1.5
	139-1445 [ECG]	HIT-TC-CE 35W PGJ5	3000	708	24°/24°	1.5

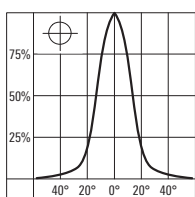
[EE]	Part ID	Light source	lm	cd/klm	C ₀ C ₁₈₀	kg
FLC210	139-1185	QT 12 (-LP) ax 35W/c GY6.35/12V	900	5328	4°/4°	0.9
FLC210*	139-1448 [ET]	QT 12 (-LP) ax 35W/c GY6.35/12V	900	5328	4°/4°	1.2
	139-1444 [ECG]	HIT-TC-CE 20W PGJ5	1650	4531	6°/6°	1.5
	139-1446 [ECG]	HIT-TC-CE 35W PGJ5	3000	3056	7°/7°	1.5

* with electronic converter

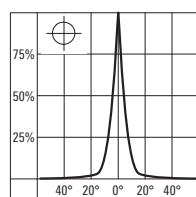


Magnetic transformer (230V / 24V)

IP65, Class II.		A	B	C	
for FLC210	185-1548	TVM-AC 12 V/50W	150	65	90



[M]



[EE]

FLC200 SERIES

Projector, medium or very 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 9004, RAL 9006, RAL 9007 or RAL 9016. Silicone rubber gasket. Safety glass lens, hinged. Anodised aluminium reflector. One cable gland. Second gland for through wiring on request.

HPF or ECG control gear, thermally separated.

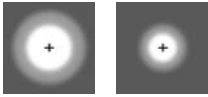
Light source
HIT 20-150 W

Light distributions
[M] [EE]

Accessories
■ Mounting, page 322
■ Optical, page 324



Otto place. Train Station Messe Köln-Deutz (D). Planning: BBZL Boehm Benfer Zahiri, Berlin. Facade lighting: Gerhard Kleiker, RheinEnergie AG, Köln.



[M] [EE]

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



20-70W [ECG] with ECG control gear
 70-150W [HPF] with HPF control gear



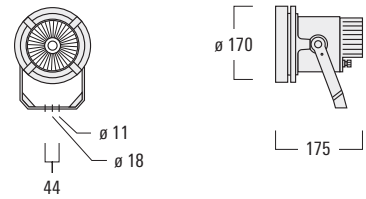
150W [ECG] with remote ECG control gear

[M]	Part ID	Light source	lm	cd/klm	C ₀ C ₁₈₀	kg
FLC230	139-1196 [ECG]	HIT-TC-CE 20W PGJ5	1650	1685	16°/16°	2.7
	139-1198 [ECG]	HIT-TC-CE 35W PGJ5	3000	1496	17°/17°	2.7
FLC240	139-0659 [HPF]	HIT-CE 70W G12	7300	1648	20°/20°	9.0
	139-1200 [ECG]	HIT-CE 70W G12	7300	1643	20°/20°	7.9
	139-0662 [HPF]	HIT-CE 150W G12	15000	1280	23°/23°	9.5
FLC240*	139-0793 [ECG]	HIT-CE 150W G12	15000	1280	23°/23°	8.4

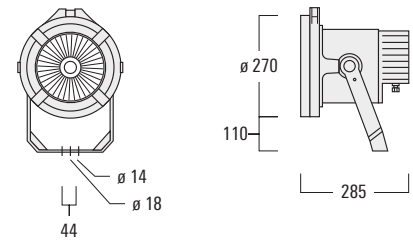
[EE]	Part ID	Light source	lm	cd/klm	C ₀ C ₁₈₀	kg
FLC230	139-1197 [ECG]	HIT-TC-CE 20W PGJ5	1650	29856	3°/3°	2.7
	139-1199 [ECG]	HIT-TC-CE 35W PGJ5	3000	18240	4°/4°	2.7
FLC240	139-0671 [HPF]	HIT-CE 70W G12	7300	1648	3°/3°	9.0
	139-1201 [ECG]	HIT-CE 70W G12	7300	29929	3°/3°	7.9
	139-0674 [HPF]	HIT-CE 150W G12	15000	18752	4°/4°	9.5
FLC240*	139-0812 [ECG]	HIT-CE 150W G12	15000	18752	4°/4°	8.4

* Thermally separated control gear

FLC230

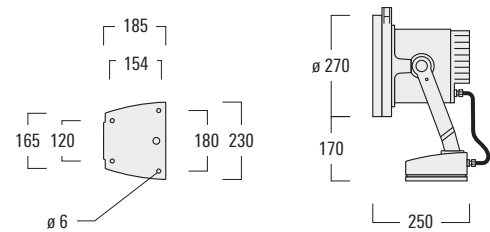


FLC240

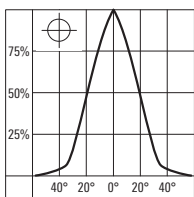


20-70W [ECG] with ECG control gear
 70-150W [HPF] with HPF control gear

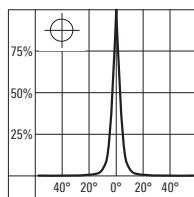
FLC240



150W [ECG] with remote ECG control gear



[M]



[EE]

FLC200 SERIES

Projector, medium or very 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 9004, RAL 9006, RAL 9007 or RAL 9016. Silicone rubber gasket. Safety glass lens, hinged. Anodised aluminium reflector. One cable gland. Second gland for through wiring on request.

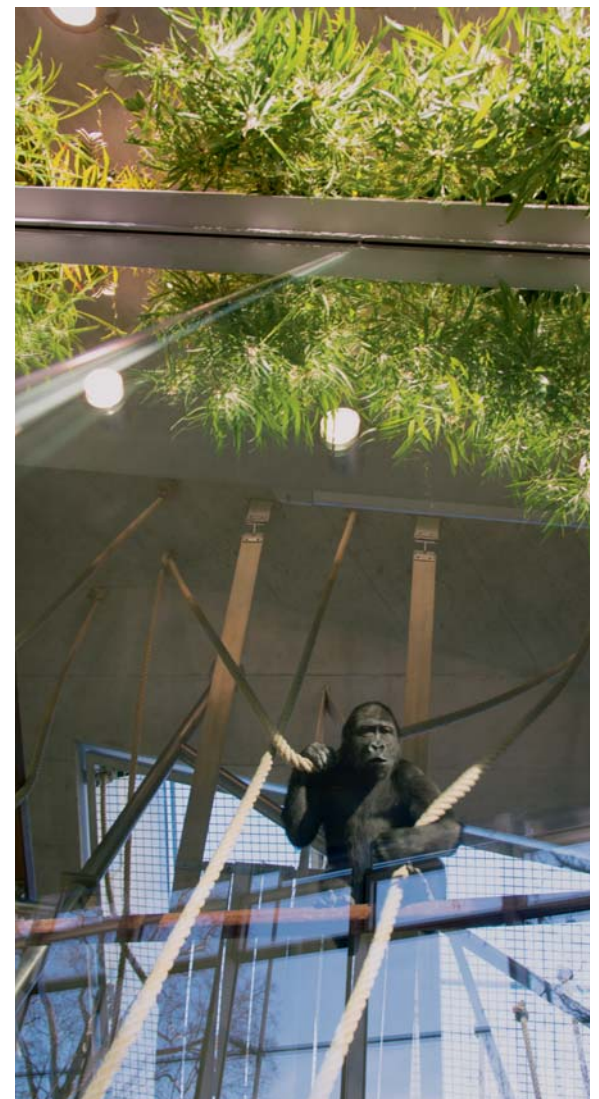
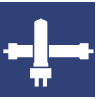
HPF control gear, thermally separated.

Light source
HIT 250-400 W

Light distributions
[M] [EE]

Accessories

- Mounting, page 322
- Electrical, page 323
- Optical, page 324



Gorilla House, Wilhelma Zoo, Stuttgart (D). Architect: Hascher Jehle Architektur, Berlin.



[M] [EE]

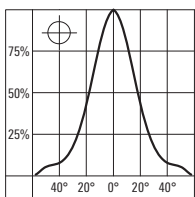
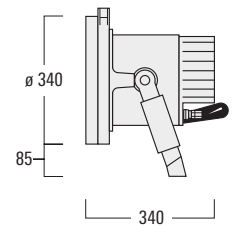
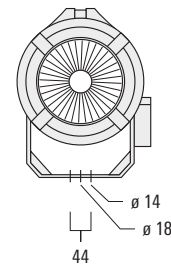
[M] Medium beam distribution, symmetric

[EE] Very narrow beam distribution, symmetric

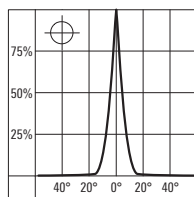


[M]	Part ID	Light source	lm	cd/klm	C ₀ C ₁₈₀	C ₉₀ C ₂₇₀	kg
FLC250	139-0680 [HPF]	HIT-DE 250W Fc2	20000	1757	17°/17°	13°/13°	13,4
	139-0682 [HPF]	HIT-DE 400W Fc2	36000	1444	20°/20°	17°/17°	15,6

[EE]	Part ID	Light source	lm	cd/klm	C ₀ C ₁₈₀	C ₉₀ C ₂₇₀	kg
FLC250	139-0690 [HPF]	HIT-DE 250W Fc2	20000	17463	3°/3°	4°/4°	13,4
	139-0692 [HPF]	HIT-DE 400W Fc2	36000	12843	3°/3°	4°/4°	15,6



[M]



[EE]

FLC200 SERIES

Projector, medium or very 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 9004, RAL 9006, RAL 9007 or RAL 9016. Silicone rubber gasket. High temperature ceramic glass with wire mesh.

Anodised aluminium reflector, hinged, with circuit breaker.

One cable gland. Second gland for through wiring on request.

Remote HPF gear box made from marine-grade die-cast aluminium alloy or in pole HPF gear tray, to be ordered separately.

Light source
HIT 1000-2000 W

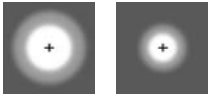
Light distributions
[M] [EE]

Accessories

- Mounting, page 322
- Electrical, page 323
- Optical, page 324



The Auckland Sky Tower. Auckland (NZ). Architect: Gordon Moeller. Lighting design: Modus Lighting, Auckland.



[M] [EE]

[M] Medium beam distribution, symmetric

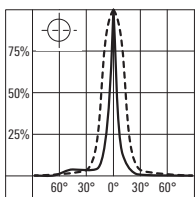
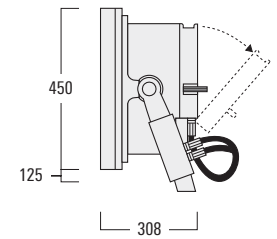
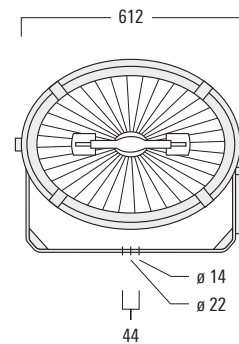
[EE] Very narrow beam distribution, symmetric



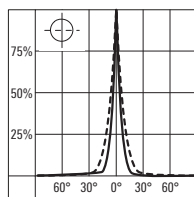
[M]	Part ID	Light source	lm	cd/klm	C ₀ C ₁₈₀	C ₉₀ C ₂₇₀	kg
FLC280*	139-1204 [IGN]	HIT-SA-DE 1000W K12s-36/Cable	90000	4653	4°/4°	13°/13°	17.2
	139-1205 [IGN]	HIT-SA-DE 2000W K12s-36/Cable	200000	4163	5°/5°	11°/11°	17.2

[EE]	Part ID	Light source	lm	cd/klm	C ₀ C ₁₈₀	C ₉₀ C ₂₇₀	kg
FLC280*	139-1206 [IGN]	HIT-SA-DE 1000W K12s-36/Cable	90000	10782	4°/4°	6°/6°	17.2
	139-1207 [IGN]	HIT-SA-DE 2000W K12s-36/Cable	200000	9696	4°/4°	5°/5°	17.2

* Ignitor version. Remote HPF gear box made from marine-grade die-cast aluminium alloy or in pole HPF gear tray, to be ordered separately.



[M]



[EE]

FLC200 COLOUR CHANGER SERIES

CMY Colour changer, 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 9004, RAL 9006, RAL 9007 or RAL 9016. Silicone rubber gasket. Safety glass lens, hinged. Anodised aluminium reflector. Integral ECG control gear.

- CMY dichroic colour filters for subtractive colour mixing
- Reset function and test program
- Storage of up to 99 scenes and 99 sequences, storage of up to 7 daily programs or 1 weekly program
- Stand alone function and master slave function
- 4 cross fading sequences
- Integrated calendar with timer function and integrated operation hour counter
- DMX in- and output and RJ45 interface
- WE-EF CONTROL® CMY-DMX PC based software supplied

Light source
HIT 150 W

Light distributions
[B] [M] [E]

Accessories

- Mounting, page 322
- Electrical, page 323
- Optical, page 324



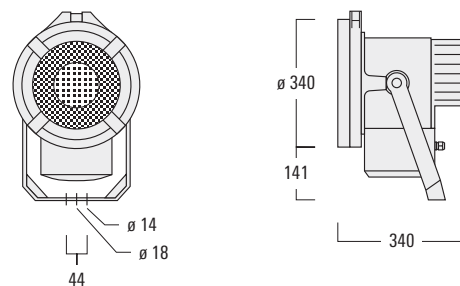
La Croisette. Cannes (F). Lighting design: Citelum - ALC-Sogreah.



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



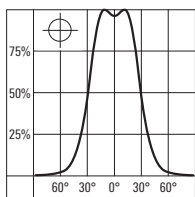
[B]	Part ID	Light source	lm	cd/klm	C ₀ C ₁₈₀	kg
FLC254-CC	139-1246 [ECG.DMX]	HIT-CE 150W G12	15000	527	29°/29°	20.5
[M]	Part ID	Light source	lm	cd/klm	C ₀ C ₁₈₀	kg
FLC254-CC	139-1181 [ECG.DMX]	HIT-CE 150W G12	15000	858	19°/19°	20.5
[E]	Part ID	Light source	lm	cd/klm	C ₀ C ₁₈₀	kg
FLC254-CC	139-1202 [ECG.DMX]	HIT-CE 150W G12	15000	2241	10°/10°	20.5



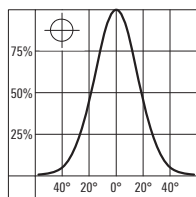
Individual programming via PC or the optional available WE-EF HH1 handheld programmer:

139-1218 [DMX] HH1 handheld programmer including RS232 serial cable

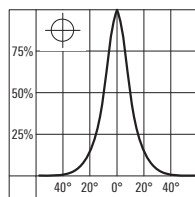
- RS232 serial cable supplied with HH1 handheld
- Storage of up to 999 scenes and 999 sequences
- Storage of up to 99 daily, weekly, monthly or special day programs
- DMX interface



[B]

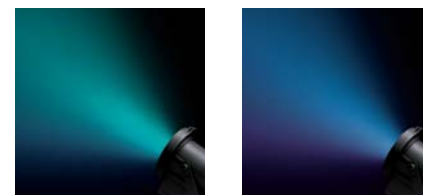


[M]

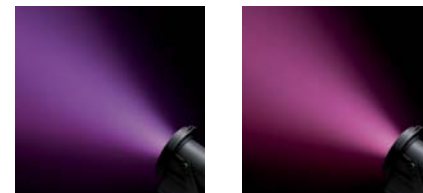


[E]

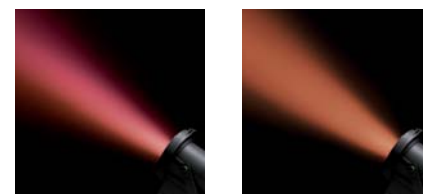
[B]



[M]



[E]



FLC200 GOBO SERIES

Projector, twin aspheric convex lens system including Profile Projector.

IP66, Class I, IK09. Marine-grade die-cast aluminium alloy. 5CE superior corrosion protection including PCS hardware. Powdercoat finish in RAL 9004, RAL 9006, RAL 9007 or RAL 9016. Silicone rubber gasket. Safety glass lens, hinged. Anodised aluminium reflector. Twin aspheric, convex lens system for spot distribution.

One cable gland. Second gland for through wiring on request.

Integral HPF control gear.

Light source

HIT 150 W

Light distribution

[BL]

Accessories

■ Mounting, page 322

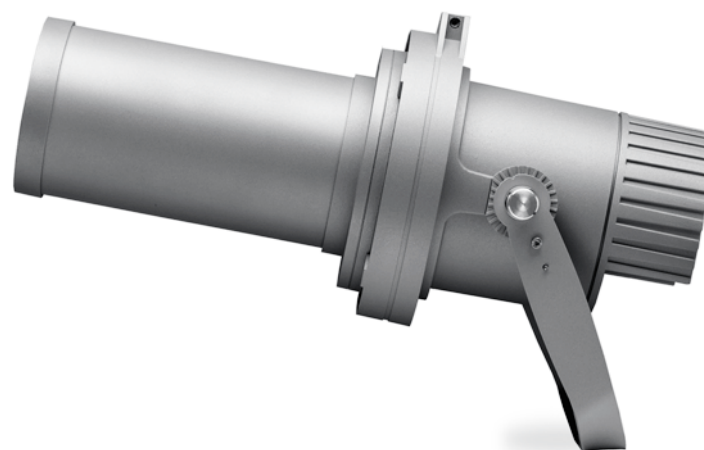


Harpa Concert- and Congress hall, Reykjavik (IS). Architect: Henning Larsen Architects HLA, Copenhagen (DK) & Batteriid Architects, Hafnarfjordur (IS).
Lighting design: Hnit Verkis Consulting Engineers, Reykjavik (IS)



[BL] – ZP [BL] – GP [BL] – FP

Profile Projector for Zoom, Gobo or Framing applications



[BL] – ZP	Part ID	Light source	lm	kg
FLC240	139-1412 [HPF]	HIT-CE 150W G12	15000	13.4

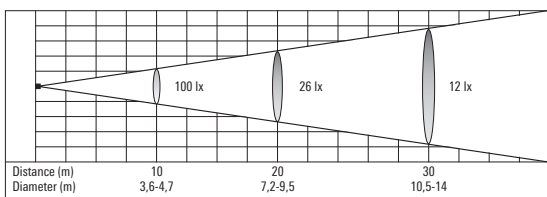
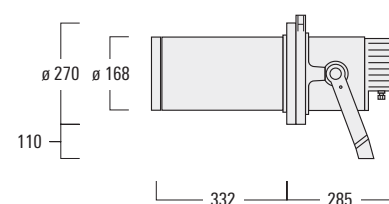
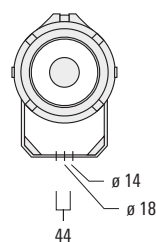
Profile Projector for zoom spot

[BL] – GP	Part ID	Light source	lm	kg
FLC240	139-1414 [HPF]	HIT-CE 150W G12	15000	13.4

Profile Projector for projection of Gobos on to a surface, Gobo (D = 86 mm) steel or glass on request

[BL] – FP	Part ID	Light source	lm	kg
FLC240	139-1416 [HPF]	HIT-CE 150W G12	15000	13.4

Profile Projector for framing applications, polygon shape



FLC200 COLOUR CHANGER + GOBO SERIES

CMY Colour Changer with Profile Projector.

IP66, Class I, IK09. Marine-grade die-cast aluminium alloy. 5CE superior corrosion protection including PCS hardware. Powdercoat finish in RAL 9004, RAL 9006, RAL 9007 or RAL 9016. Silicone rubber gasket. Safety glass lens, hinged. Anodised aluminium reflector. Integral ECG control gear.

- CMY dichroic colour filters for subtractive colour mixing
- Reset function and test program
- Storage of up to 99 scenes and 99 sequences, storage of up to 7 daily programs or 1 weekly program
- Stand alone function and master slave function
- 4 cross fading sequences
- Integrated calendar with timer function and integrated operation hour counter
- DMX in- and output and RJ45 interface
- WE-EF CONTROL® CMY-DMX PC based software supplied

Light source

HIT 150 W

Light distribution

[E]

Accessories

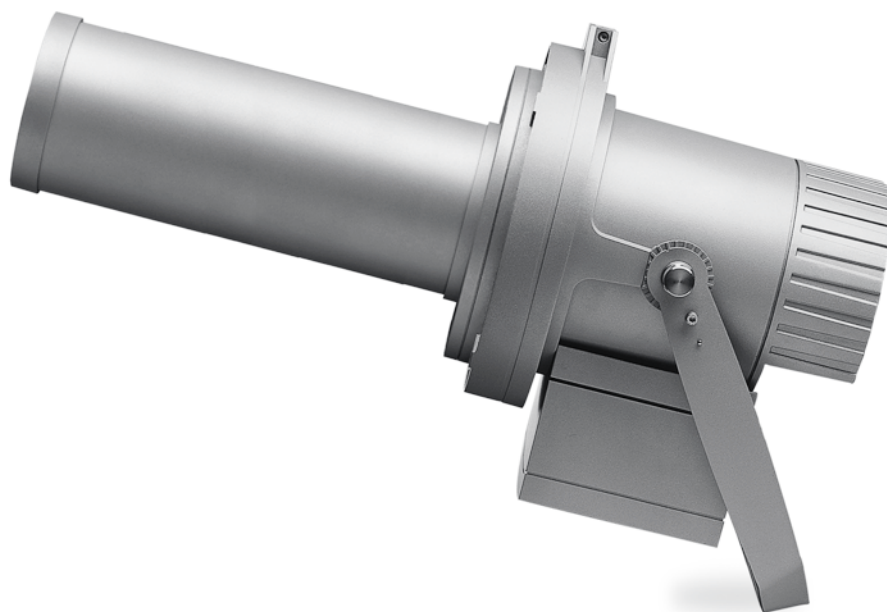
■ Mounting, page 322





[E] – ZP [E] – GP [E] – FP

[E] Narrow beam distribution, symmetric
Profile Projector for Zoom, Gobo or Framing applications



[E] – ZP	Part ID	Light source	lm	kg
FLC254-CC	139-1463 [ECG.DMX]	HIT-CE 150W G12	15000	24.9

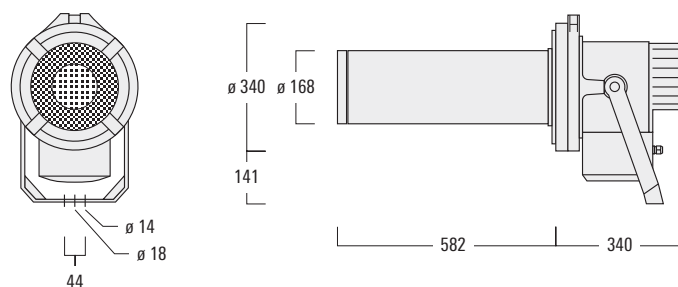
Profile Projector for zoom spot

[E] – GP	Part ID	Light source	lm	kg
FLC254-CC [E]-GP	139-1464 [ECG.DMX]	HIT-CE 150W G12	15000	24.9

Profile Projector for projection of Gobos on to a surface, Gobo (D = 86 mm) steel or glass on request

[E] – FP	Part ID	Light source	lm	kg
FLC254-CC [E]-FP	139-1465 [ECG.DMX]	HIT-CE 150W G12	15000	24.9

Profile Projector for framing applications, polygon shape

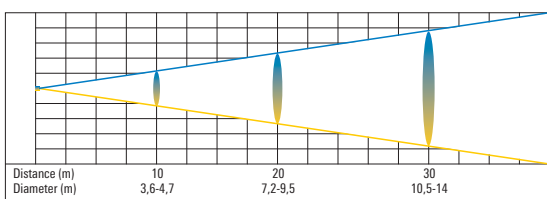


Individual programming via PC or the optional available WE-EF HH1 handheld programmer:

Part ID

139-1218 [DMX] HH1 handheld programmer including RS232 serial cable

- RS232 serial cable supplied with HH1 handheld
- Storage of up to 999 scenes and 999 sequences
- Storage of up to 99 daily, weekly, monthly or special day programs
- DMX interface



MOUNTING ACCESSORIES – FLC200 SERIES

Marine-grade aluminium construction. 5CE superior corrosion protection including PCS hardware. Powdercoat finish in RAL 9004, RAL 9006, RAL 9007 or RAL 9016.

Short post					kg
for FLC220 – FLC260	270-9038	EM1-M16	Short post		2.2
for FLC280	270-9039	EM1-M20	Short post		2.2

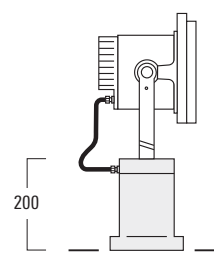
Matching planted root to be ordered separately:

Planted root for short post					kg
for FLC200 Series	300-0461	ESV4	Planted root		4.4

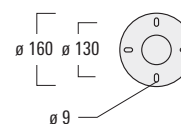
Galvanised steel

Ground spike					kg
for FLC210	139-1603	EF1	Ground spike		0.2

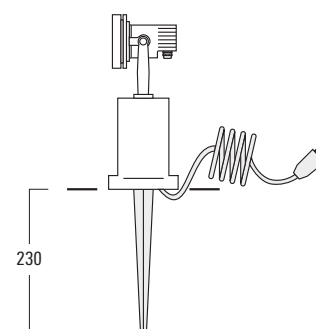
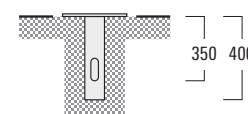
Stainless steel, including 5 m of flexible cable and plug



Short post EM1



Planted root ESV4

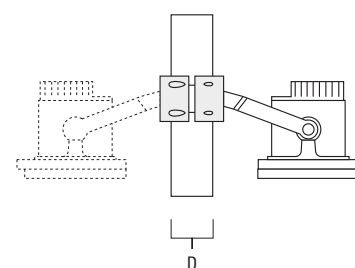


Ground spike EF1

Pole clamps TS Series					D	kg
for FLC230	147-0371	TS1-2/M10	Pole clamp	ø 76-89	1.4	
	147-0372	TS1-2/M10	Pole clamp	ø 102-114	1.5	
	147-0373	TS2-2/M10	Pole clamp	ø 76-89	1.4	
	147-0374	TS2-2/M10	Pole clamp	ø 102-114	1.6	

for FLC220, FLC240–FLC260	147-0543	TS1-2/M12	Pole clamp	ø 76-89	1.4
	147-0526	TS1-2/M12	Pole clamp	ø 102-114	1.5
	147-0544	TS1-2/M12	Pole clamp	ø 114-133	1.7
	147-0545	TS2-2/M12	Pole clamp	ø 76-89	1.4
	147-0527	TS2-2/M12	Pole clamp	ø 102-114	1.5
	147-0546	TS2-2/M12	Pole clamp	ø 114-133	1.6

for FLC280	147-0547	TS1-2/M12	Pole clamp	ø 76-89	1.5
	147-0551	TS1-2/M12	Pole clamp	ø 102-114	1.6
	147-0548	TS1-2/M12	Pole clamp	ø 114-133	1.8
	147-0549	TS2-2/M12	Pole clamp	ø 76-89	1.5
	147-0552	TS2-2/M12	Pole clamp	ø 102-114	1.6
	147-0550	TS2-2/M12	Pole clamp	ø 114-133	1.7



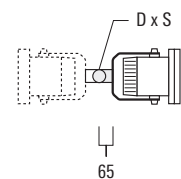
Pole clamps TS1/TS2

Hot dipped galvanised steel. Powdercoat finish in RAL 9004, RAL 9006, RAL 9007 or RAL 9016.

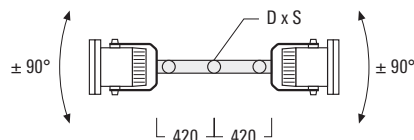
Mounting brackets TA Series				D x S	kg
for FLC220 – 280	147-0023	TA1*	Mounting bracket	∅ 76 x 200	1.9
	147-0024	TA2*	Mounting bracket	∅ 76 x 200	1.9
	147-0105	TA2-L	Mounting bracket	∅ 76 x 200	16.1
	147-0025	TA3	Mounting bracket	∅ 89 x 200	20.8
	147-0099	TA4	Mounting bracket	∅ 89 x 200	20.8

*Mounting brackets TA1 und TA2 made from marine-grade aluminium.

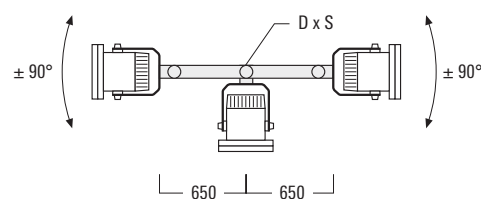
for FLC220 – 280	147-0096	TA1	Mounting bracket	∅ 108 x 200	7.5
	147-0097	TA2	Mounting bracket	∅ 108 x 200	7.5
	147-0148	TA2-L	Mounting bracket	∅ 108 x 200	20.2
	147-0098	TA3	Mounting bracket	∅ 108 x 200	24.2
	147-0100	TA4	Mounting bracket	∅ 108 x 200	24.2



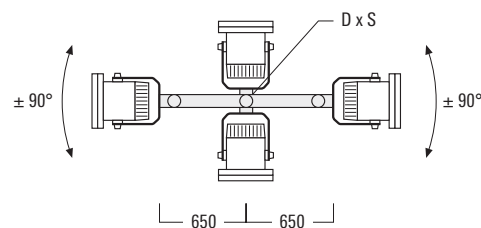
Mounting bracket TA1/TA2



Mounting bracket TA2-L



Mounting bracket TA3

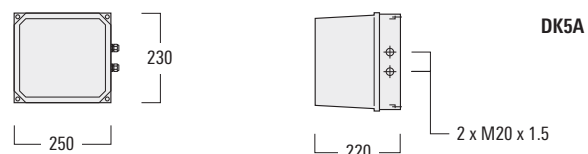


Mounting bracket TA4

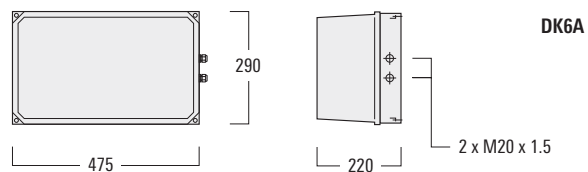
ELECTRICAL ACCESSORIES – FLC200 SERIES

Gear boxes				kg
for HI 1000W	400-0121 [HPF]	DK5A	~ 230V / 9.30-9.60A	13.0
for HI 2000W	400-0271 [HPF]	DK6A	~ 400V / 9.60-11.30A	18.4

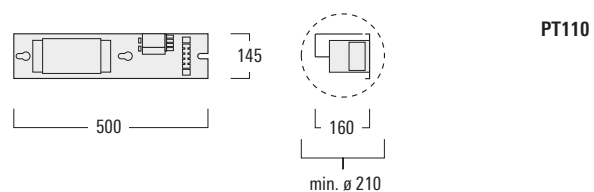
In pole gear trays				kg
for HI 1000W	400-0301 [HPF]	PT110 with 1 fuse E14	~ 230V / 9.30-9.60A	16.6
for HI 2000W	400-0180 [HPF]	PT110 with 2 fuses E14	~ 400V / 9.60-11.30A	16.6



DK5A



DK6A



PT110

OPTICAL ACCESSORIES – FLC200 SERIES



Internal Accessories

A maximum of one internal optical accessory.

Flood lens IO-360

for FLC220	139-1850
for FLC240	139-1856
for FLC260	139-1862

Linear spread lens IO-180

for FLC220	139-1849
for FLC240	139-1855
for FLC260	139-1861

Wallwash lens IO-20*

for FLC220	139-1848
for FLC240	139-1854
for FLC260	139-1860

Honeycomb louvre IW

for FLC220	139-1851
for FLC240	139-1857
for FLC260	139-1863

* ideal for uniform wall washing applications

External Accessories

A maximum of one external optical accessory.

Glare shield ES

for FLC220	139-1852
for FLC240	139-1858
for FLC260	139-1864

Snoot ET

for FLC220	139-1853
for FLC240	139-1859
for FLC260	139-1865

OPTICAL ACCESSORIES – FLC200 SERIES

Internal Accessories

FLC210: A maximum of one internal optical accessory..

FLC230: A maximum of two internal optical accessories.

FLC240/250: A maximum of two internal optical accessories.

FLC280: A maximum of one internal optical accessory.

Flood lens IO-360

for FLC210	139-0837
for FLC230	139-1115
for FLC240	139-0861
for FLC250	139-0862

Linear spread lens IO-180

for FLC210	139-0836
for FLC230	139-1114
for FLC240	139-0863
for FLC250	139-0864

Colour filter IF	red	green	blue	yellow
for FLC210	139-0832	139-0833	139-0834	139-0835
for FLC230	139-1116	139-1117	139-1118	139-1119
for FLC240	139-0865	139-0866	139-0867	139-0868
for FLC250	139-0869	139-0870	139-0871	139-0872

Circular louvre IR

for FLC240	139-0726
for FLC250	139-0715
for FLC280	139-1228

Source shield IQ – only for versions with single-ended HID lamps

for FLC230 [EE]	139-1219
for FLC240 [EE]	139-0714
for FLC250 [EE]	139-1242

External Accessories

FLC210/230/240/250/254-CC: A maximum of one external optical accessory.

FLC280: A maximum of one optical accessory such as colour filter, flood or spread lens, wire guard, glare shield or snoot (combinations available on request).

Optical adaptor to be ordered separately.

Flood lens EO-360*

for FLC280	139-1227
------------	----------

Linear spread lens EO-180*

for FLC280	139-1226
------------	----------

Colour filter EF*	red	green	blue	yellow
for FLC280	139-1238	139-1239	139-1240	139-1241

External optical Adaptor EA

for FLC280	139-1233
------------	----------

Wire guard EG

for FLC230	139-1222
for FLC240	139-0707
for FLC250 / FLC254-CC	139-0708
for FLC280	139-1229

Glare shield ES

for FLC210	139-1008
for FLC230	139-1221
for FLC240	139-0709
for FLC250 / FLC254-CC	139-0710
for FLC280	139-1230

Snoot ET

for FLC230	139-1223
for FLC240	139-0711
for FLC250 / FLC254-CC	139-0712
for FLC280	139-1231

* external optical adaptor EA required, to be ordered separately

