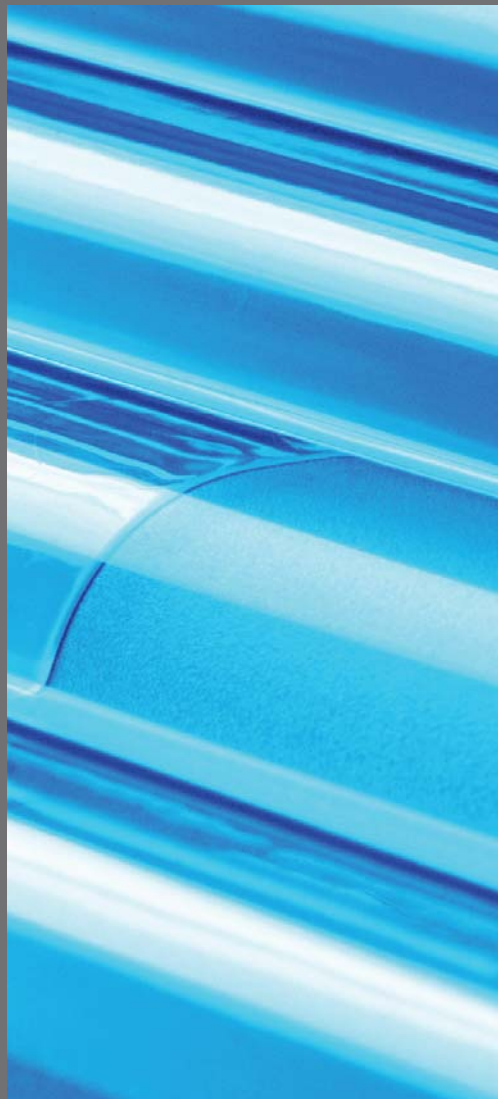


we-ef

WE-EF LIGHTING
North American Edition
2014-2016

Projectors





FLC100-T4 Series



322-323
FLC121-T4
FLC131-T4
FLC141-T4
LED



FLC100-T4 Series



324-325
FLC121-T4
FLC131-T4
FLC141-T4
HID



FLC100-T3 Series



326-327
FLC121-T3
FLC131-T3
FLC141-T3
LED

PROJECTORS



FLC100-T3 Series


328-329
FLC121-T3
FLC131-T3
FLC141-T3
HID



Accessories
FLC100 Series

330-331
Mounting accessories

332-333
Optical accessories
LED
HID



FLC200 Series


334-335
FLC210-T2
FLC210-T3
LED



Accessories
FLC200 Series

336-337
Electrical accessories
Optical accessories
LED



FLC200 Series


338-341
FLC230
FLC240
FLC240-T3
FLC250
FLC260
HID



FLC200 BL Series


342-345
FLC240 [BL]
FLC250 [BL]
FLC254-CC [BL]
HID



Accessories
FLC200 Series

346-349
Mounting accessories

350-351
Optical accessories
HID

FLC100-T4 SERIES

Surface mounted projector with extended arm. IP55. Marine-grade, die-cast aluminum alloy and extruded aluminum arm. 5CE superior corrosion protection including PCS hardware. Powdercoat finish in black RAL 9004, grey metallic RAL 9007 or white RAL 9016. Specify finish. Consult WE-EF color chart for other options. Clear tempered glass lens. Silicone rubber gasket. Integral control gear in thermally-separated compartment.

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

Integral [ECG] electronic 0-10 V dimmable driver in 120 or 277 volt. Specify voltage.

Light source:

LED 12-36 W, 3000 K

(for 4000 K, refer to www.we-ef.com)

Beam distributions:

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

Accessories:

■ Optical, page 332

UL, cUL:

■ Suitable for wet locations



Gardens by the Bay. Marina Bay (SG). Lighting design: Lighting Planners Associates (LPA).



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

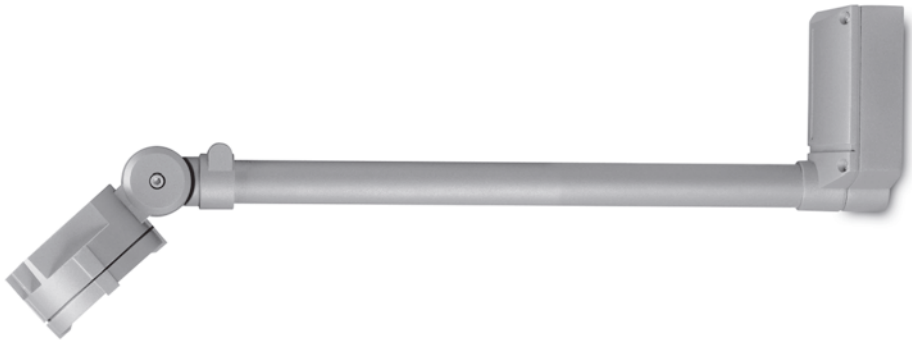
IOS Innovative Optical System:

[W] Symmetric distribution, wide beam

[M] Symmetric distribution, medium beam

[VN] Symmetric distribution, very narrow beam

[VNS] Symmetric distribution, very narrow beam, 'sharp cut-off'



Ordering guide:

Specify 7 digit part ID together with voltage and finish.

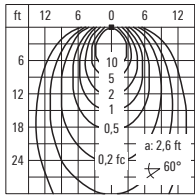
Example: 665-0444 – 120 V – Black RAL 9004

[W]	Part ID	Light source	K	lm*	Factor**	lbs
FLC121-T4	665-0444	6 LED 12W/700 mA	3000	1064	0.50	6.4
FLC131-T4	665-4420	12 LED 24W/700 mA	3000	2128	1.00	9.9
FLC141-T4	665-8470	24 LED 36W/500 mA	3000	3312	1.56	13.9

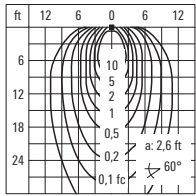
[M]	Part ID	Light source	K	lm*	Factor**	lbs
FLC121-T4	665-0434	6 LED 12W/700 mA	3000	1064	0.50	6.4
FLC131-T4	665-4320	12 LED 24W/700 mA	3000	2128	1.00	9.9
FLC141-T4	665-8370	24 LED 36W/500 mA	3000	3312	1.56	13.9

[VN]	Part ID	Light source	K	lm*	Factor**	lbs
FLC121-T4	665-0414	6 LED 12W/700 mA	3000	1064	0.50	6.4
FLC131-T4	665-4120	12 LED 24W/700 mA	3000	2128	1.00	9.9
FLC141-T4	665-8170	24 LED 36W/500 mA	3000	3312	1.56	13.9

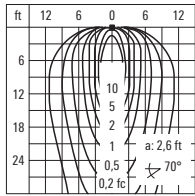
[VNS]	Part ID	Light source	K	lm*	Factor**	lbs
FLC121-T4	665-0424	6 LED 12W/700 mA	3000	1064	0.50	6.4
FLC131-T4	665-4220	12 LED 24W/700 mA	3000	2128	1.00	9.9
FLC141-T4	665-8270	24 LED 36W/500 mA	3000	3312	1.56	13.9



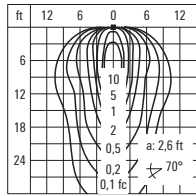
[W]



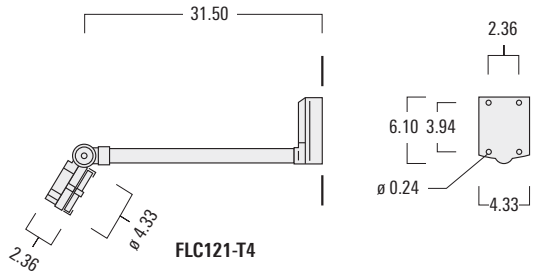
[M]



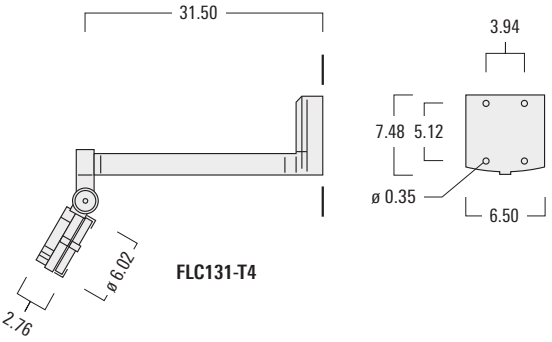
[VN]



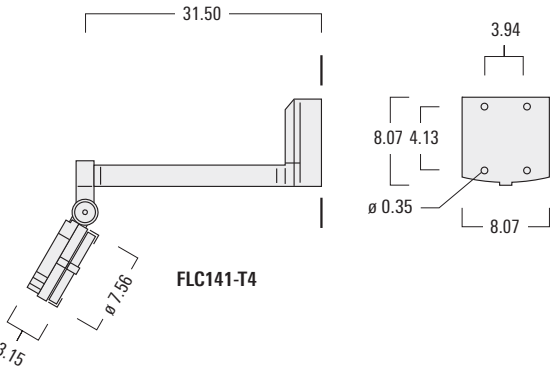
[VNS]



FLC121-T4



FLC131-T4



FLC141-T4

* 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.

** Multiplier for footcandle value.

FLC100-T4 SERIES

Surface mounted projector with extended arm. IP55. Marine-grade, die-cast aluminum alloy and extruded aluminum arm. 5CE superior corrosion protection including PCS hardware. Powdercoat finish in black RAL 9004, grey metallic RAL 9007 or white RAL 9016. Specify finish. Consult WE-EF color chart for other options. Clear tempered glass lens. Anodized aluminum reflector. Silicone rubber gasket. Integral control gear in thermally-separated compartment.

FLC121: Integral [ECG] electronic MH ballast in 120 or 277 volt.

FLC131/141: Integral [ECG] electronic MH ballast in 120, 277 or 347 volt.

Specify voltage where applicable.

Light source:
CMH 22-150 W

Beam distributions:
[W] [M] [VN]

Accessories:
■ Optical, page 332

UL, cUL:
■ Suitable for wet locations



Victorian Space Science Centre, Strathmore Secondary College (AUS). Architect: Gregory Gurgess Architects. Lighting design: Rob Pullen, BTS Consultants.



IOS Innovative Optical System:
[W] Symmetric distribution, wide beam
[M] Symmetric distribution, medium beam
[VN] Symmetric distribution, very narrow beam

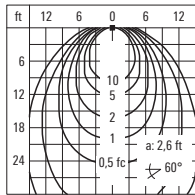


Ordering guide:
Specify 7 digit part ID together with voltage and finish.
Example: 665-0442 – 120 V – Black RAL 9004

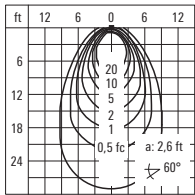
[W]	Part ID	Light source	lm	Factor*	lbs
FLC121-T4	665-0442	CMH22/T3.5/Tm/PGJ-5 base	1650	0.25	13.0
	665-0443	CMH39/T3.5/Tm/PGJ-5 base	3000	0.50	13.0
FLC131-T4	665-4450	CMH39/T-6/G-12 base	3300	0.50	12.0
	665-4451	CMH70/T-6/G-12 base	6600	1.00	12.0
FLC141-T4	665-8450	CMH70/T-6/G-12 base	6600	1.00	15.0
	665-8451	CMH150/T-6/G-12 base	14000	2.12	15.0

[M]	Part ID	Light source	lm	Factor*	lbs
FLC121-T4	665-0432	CMH22/T3.5/Tm/PGJ-5 base	1650	0.25	13.0
	665-0433	CMH39/T3.5/Tm/PGJ-5 base	3000	0.50	13.0
FLC131-T4	665-4350	CMH39/T-6/G-12 base	3300	0.50	12.0
	665-4351	CMH70/T-6/G-12 base	6600	1.00	12.0
FLC141-T4	665-8350	CMH70/T-6/G-12 base	6600	1.00	15.0
	665-8351	CMH150/T-6/G-12 base	14000	2.12	15.0

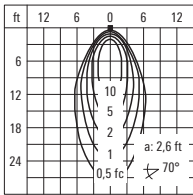
[VN]	Part ID	Light source	lm	Factor*	lbs
FLC121-T4	665-0412	CMH22/T3.5/Tm/PGJ-5 base	1650	0.25	13.0
	665-0413	CMH39/T3.5/Tm/PGJ-5 base	3000	0.50	13.0
FLC131-T4	665-4150	CMH39/T-6/G-12 base	3300	0.50	12.0
	665-4151	CMH70/T-6/G-12 base	6600	1.00	12.0
FLC141-T4	665-8150	CMH70/T-6/G-12 base	6600	1.00	15.0
	665-8151	CMH150/T-6/G-12 base	14000	2.12	15.0



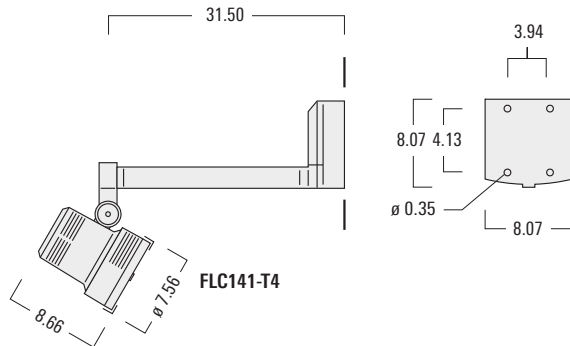
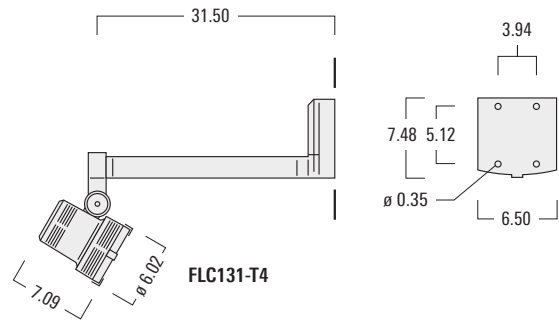
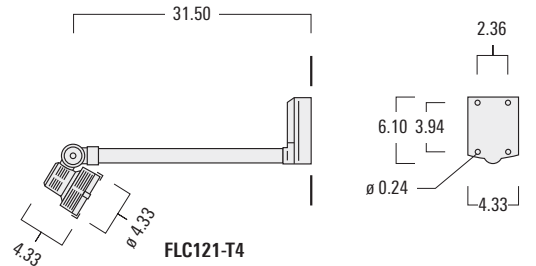
[W]



[M]



[VN]



* Multiplier for footcandle value.

FLC100-T3 SERIES

Surface mounted projector. IP66. Marine-grade, die-cast aluminum alloy. 5CE superior corrosion protection including PCS hardware. Powdercoat finish in black RAL 9004, grey metallic RAL 9007 or white RAL 9016. Specify finish. Consult WE-EF color chart for other options. Clear tempered glass lens. Silicone rubber gasket. Integral control gear in thermally-separated compartment.

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

Integral [ECG] electronic 0-10 V dimmable driver in 120 or 277 volt. Specify voltage.

Light source:

LED 12-36 W, 3000 K

(for 4000 K, refer to www.we-ef.com)

Beam distributions:

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

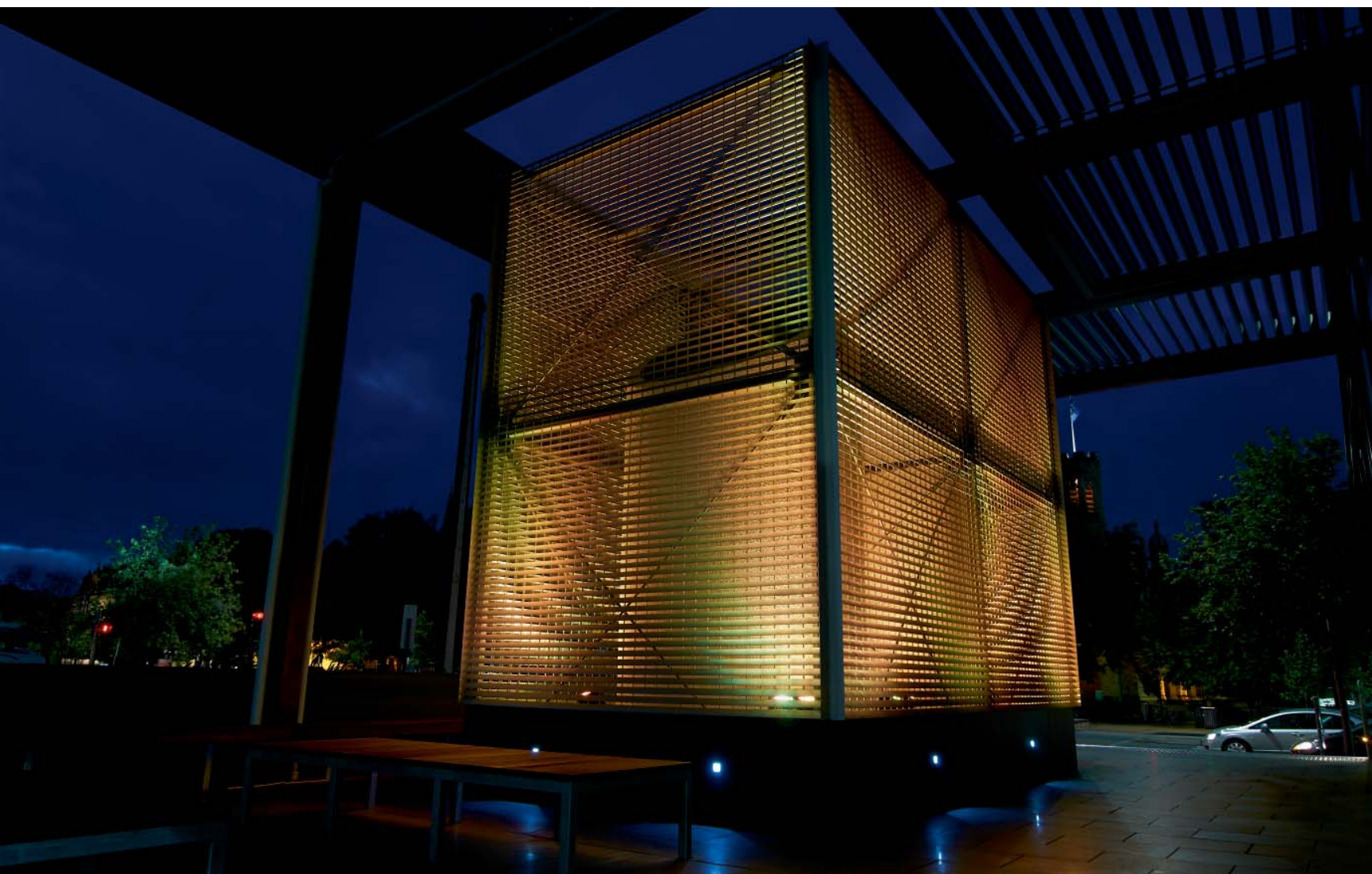
Accessories:

■ Mounting, page 330

■ Optical, page 332

UL, cUL:

■ Suitable for wet locations



North West Plaza. Adelaide (AUS). Lighting design: KBR.



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

IOS Innovative Optical System:

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

Ordering guide:

Specify 7 digit part ID together with voltage and finish.

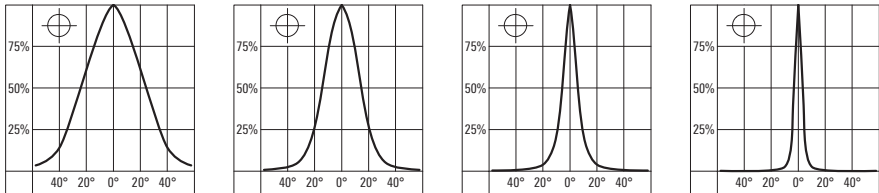
Example: 665-0330 – 120 V – Black RAL 9004

[W]	Part ID	Light source	K	lm*	cd max	Beam	lbs
FLC121-T3	665-0330	6 LED 12W/700 mA	3000	1064	1015	50°	3.8
FLC131-T3	665-3420	12 LED 24W/700 mA	3000	2128	2109	50°	5.5
FLC141-T3	665-7420	24 LED 36W/500 mA	3000	3312	3160	50°	9.7

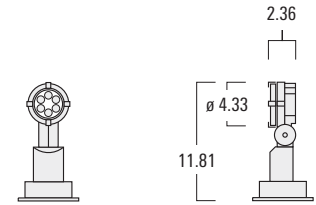
[M]	Part ID	Light source	K	lm*	cd max	Beam	lbs
FLC121-T3	665-0320	6 LED 12W/700 mA	3000	1064	2794	28°	3.8
FLC131-T3	665-3320	12 LED 24W/700 mA	3000	2128	5631	30°	5.5
FLC141-T3	665-7320	24 LED 36W/500 mA	3000	3312	8697	28°	9.7

[VN]	Part ID	Light source	K	lm*	cd max	Beam	lbs
FLC121-T3	665-0120	6 LED 12W/700 mA	3000	1064	8992	12°	3.8
FLC131-T3	665-3120	12 LED 24W/700 mA	3000	2128	19671	12°	5.5
FLC141-T3	665-7120	24 LED 36W/500 mA	3000	3312	27990	12°	9.7

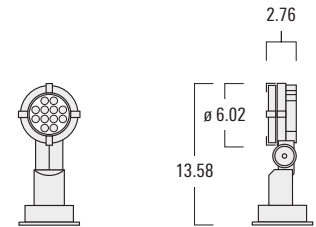
[VNS]	Part ID	Light source	K	lm*	cd max	Beam	lbs
FLC121-T3	665-0220	6 LED 12W/700 mA	3000	1064	45002	6°	3.8
FLC131-T3	665-3220	12 LED 24W/700 mA	3000	2128	77629	6°	5.5
FLC141-T3	665-7220	24 LED 36W/500 mA	3000	3312	140081	6°	9.7



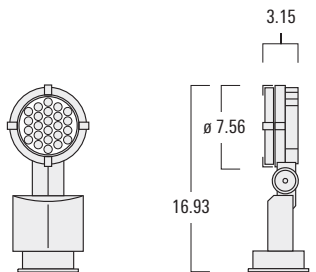
[W] [M] [VN] [VNS]



FLC121-T3



FLC131-T3



FLC141-T3

* 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.

FLC100-T3 SERIES

Surface mounted projector. IP66. Marine-grade, die-cast aluminum alloy. 5CE superior corrosion protection including PCS hardware. Powdercoat finish in black RAL 9004, grey metallic RAL 9007 or white RAL 9016. Specify finish. Consult WE-EF color chart for other options. Clear tempered glass lens. Silicone rubber gasket. Integral control gear in thermally-separated compartment.

FLC121: Integral [ECG] electronic MH ballast in 120 or 277 volt.

FLC131/141: Integral [ECG] electronic MH ballast in 120, 277 or 347 volt.

Specify voltage where applicable.

Light source:
CMH 22-150 W

Beam distributions:
[W] [M] [VN]

Accessories:
■ Mounting, page 330
■ Optical, page 332

UL, cUL:
■ Suitable for wet locations



Les Bains les Docks. Le Havre (F). Architect: Atelier Jean Nouvel. Lighting design: Odile Soudan.



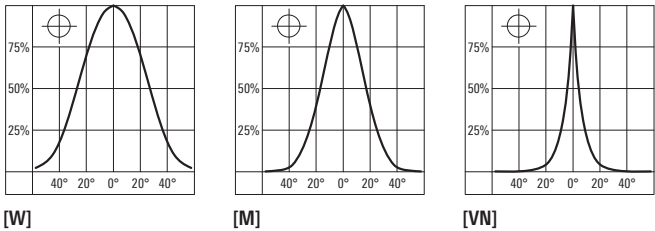
IOS Innovative Optical System:
[W] Symmetric distribution, wide beam
[M] Symmetric distribution, medium beam
[VN] Symmetric distribution, very narrow beam

Ordering guide:
Specify 7 digit part ID together with voltage and finish.
Example: **665-0401 – 120 V – Black RAL 9004**

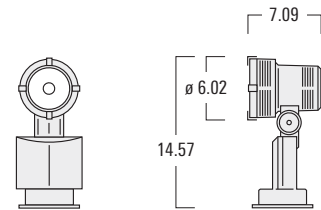
[W]	Part ID	Light source	lm	cd max	Beam	lbs
FLC121-T3	665-0401	CMH22/T3.5/Tm/PGJ-5 base	1650	832	60°	4.0
	665-0402	CMH39/T3.5/Tm/PGJ-5 base	3000	1434	60°	4.0
FLC131-T3	665-3450	CMH39/T-6/G-12 base	3300	2511	56°	8.0
	665-3451	CMH70/T-6/G-12 base	6600	4990	56°	8.0
FLC141-T3	665-7450	CMH70/T-6/G-12 base	6600	3709	64°	13.0
	665-7451	CMH150/T-6/G-12 base	14000	8064	60°	13.0

[M]	Part ID	Light source	lm	cd max	Beam	lbs
FLC121-T3	665-0353	CMH22/T3.5/Tm/PGJ-5 base	1650	2987	30°	4.0
	665-0354	CMH39/T3.5/Tm/PGJ-5 base	3000	5313	30°	4.0
FLC131-T3	665-3350	CMH39/T-6/G-12 base	3300	4594	34°	8.0
	665-3351	CMH70/T-6/G-12 base	6600	8554	34°	8.0
FLC141-T3	665-7350	CMH70/T-6/G-12 base	6600	11524	26°	13.0
	665-7351	CMH150/T-6/G-12 base	14000	19054	36°	13.0

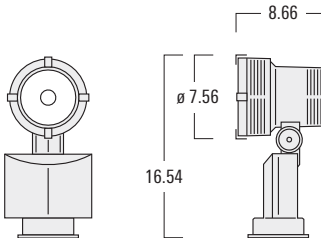
[VN]	Part ID	Light source	lm	cd max	Beam	lbs
FLC121-T3	665-0153	CMH22/T3.5/Tm/PGJ-5 base	1650	18142	10°	4.0
	665-0154	CMH39/T3.5/Tm/PGJ-5 base	3000	25743	10°	4.0
FLC131-T3	665-3150	CMH39/T-6/G-12 base	3300	42045	8°	8.0
	665-3151	CMH70/T-6/G-12 base	6600	49163	8°	8.0
FLC141-T3	665-7150	CMH70/T-6/G-12 base	6600	81583	6°	13.0
	665-7151	CMH150/T-6/G-12 base	14000	100044	8°	13.0



FLC121-T3



FLC131-T3



FLC141-T3

MOUNTING ACCESSORIES – FLC100-T3 SERIES

Short post, planted root, pipe clamp and surface mounted junction box for surface mounted projectors. Marine-grade, all-aluminum construction. 5CE superior corrosion protection including PCS hardware. Powdercoat finish in black RAL 9004, grey metallic RAL 9007 or white RAL 9016. Specify finish. Consult WE-EF color chart for other options.

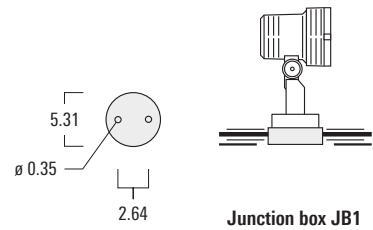
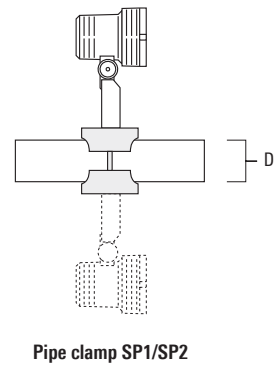
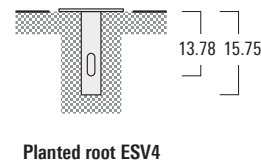
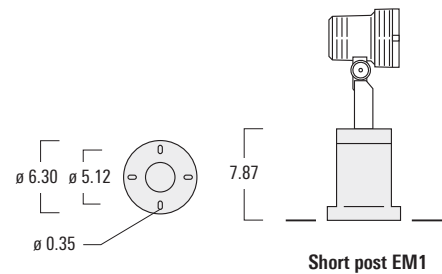
Short post				lbs
for FLC121/131/141	665-9301	EM1		3.0
Suitable for direct mounting of projector to short post in landscaped areas, or for use with planted root.				

Planted root				lbs
for FLC121/131/141	665-9302	ESV4		10.0
Galvanized steel construction. Suitable for direct mounting to projector in landscaped areas where it is desired for low-level lighting, or direct mounting to short post. Permits installations of projector without extensive need for concrete foundations.				

Pipe clamps			Pipe structure (D)	lbs
for (1) FLC121/131/141	665-9311	SP1-2/M8	(ø 1.50-2.36)	3.0
for (1) FLC121/131/141	665-9321	SP1-2/M8	(ø 3.0-3.50)	3.0
for (2) FLC121/131/141	665-9312	SP2-2/M8	(ø 1.50-2.36)	3.0
for (2) FLC121/131/141	665-9322	SP2-2/M8	(ø 3.0-3.50)	3.0
Suitable for installation of projector to pipe structure. Allows for projector to be rotated 360°. Electrical contractor is required to drill pipe structure as required for power feed.				

Surface mounted junction box				lbs
for (1) FLC121/131/141	665-9331	JB-1		3.0
Suitable for installation of projector to building surface for use with surface conduit. Junction box is provided with three 1/2" threaded conduit entries.				

Ordering guide:
Specify 7 digit part ID together with finish.
Example: 665-9301 – Black RAL 9004





Hume Weir Waterfront. Albury (AUS). Lighting design: J3 Design.

OPTICAL ACCESSORIES – FLC100 SERIES

LED

Internal Accessories

One internal optical accessory such as flood lens, spread lens, or honeycomb louver.

External Accessories

One external optical accessory such as wire guard, glare shield, or snoot.

Flood lens IO-360	
for FLC121 LED	665-8130
for FLC131 LED	665-8140
for FLC141 LED	665-8145

Linear spread lens IO-180	
for FLC121 LED	665-8129
for FLC131 LED	665-8139
for FLC141 LED	665-8149

Honeycomb louver IW*	
for FLC121 LED	665-8222
for FLC131 LED	665-8232
for FLC121 LED	665-8242

Wire guard EG	
for FLC121 LED	665-9221
for FLC131 LED	665-9231
for FLC141 LED	665-9241

Glare shield ES	
for FLC121 LED	665-9222
for FLC131 LED	665-9232
for FLC141 LED	665-9242

Snoot ET	
for FLC121 LED	665-9224
for FLC131 LED	665-9234
for FLC141 LED	665-9244

HID

Internal Accessories

A maximum of two internal optical accessories such as source shield, color filter, spread lens, or flood lens.

External Accessories

One external optical accessory such as wire guard, glare shield, or snoot.

Source shield IQ	
for FLC121	665-8221
for FLC131	665-8231
for FLC141	665-8241

Color filter IF	Red	Green	Blue	Yellow
for FLC121	665-8123	665-8122	665-8121	665-8124
for FLC131	665-8133	665-8132	665-8131	665-8134
for FLC141	665-8143	665-8142	665-8141	665-8144

Flood lens IO-360	
for FLC121	665-8127
for FLC131	665-8137
for FLC141	665-8147

Linear spread lens IO-180	
for FLC121	665-8126
for FLC131	665-8136
for FLC141	665-8146

Wire guard EG	
for FLC121	665-9221
for FLC131	665-9231
for FLC141	665-9241

Glare shield ES**	
for FLC121	665-9222
for FLC131	665-9232
for FLC141	665-9242

Snoot ET**	
for FLC121	665-9223
for FLC131	665-9233
for FLC141	665-9243



City Center. Las Vegas (USA). Architect: Daniel Libeskind. Lighting design: Focus Lighting. Executive lighting consultant: Illuminating Concepts.

FLC200 SERIES

Surface mounted projector. IP66. Marine-grade, die-cast aluminum alloy. 5CE superior corrosion protection including PCS hardware. Powdercoat finish in black RAL 9004, grey metallic RAL 9007 or white RAL 9016. Specify finish. Consult WE-EF color chart for other options. Clear tempered glass lens. Silicone rubber gasket.

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

Remote transformer T2: Requires [RT] mounted 120-12 volt AC Class 2 power supply, suitable for intended wattage (to be ordered separately).

Integral Transformer T3: Integral [ET] electronic transformer in 120 or 277 volt. Specify voltage.

Light source:

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

Beam distributions:

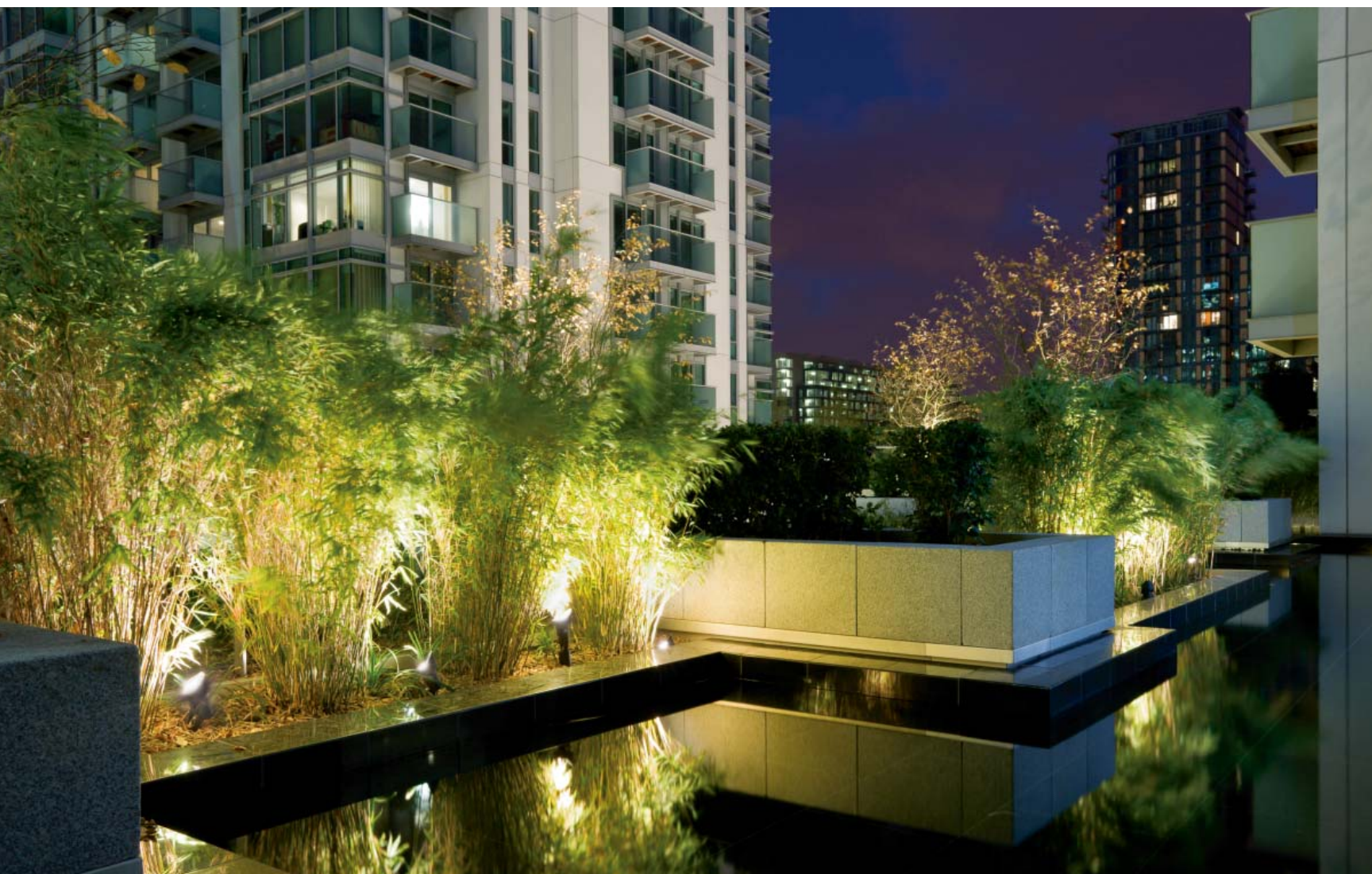
[M] [VN] [VNS]

Accessories:

- Electrical page 336
- Optical page 336

UL, cUL:

- Suitable for wet locations



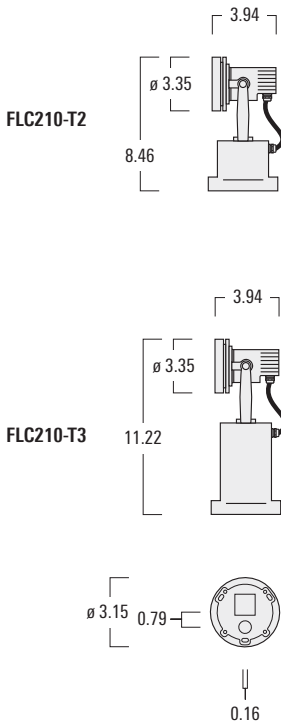
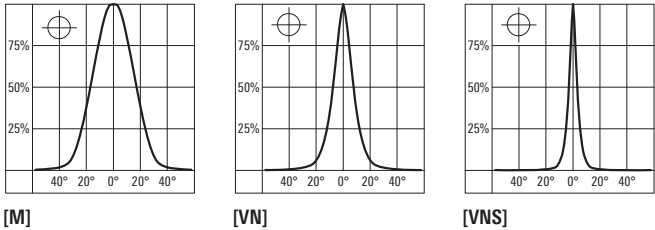
Pan Peninsula Wharf. London (UK).



IOS Innovative Optical System:
[M] Symmetric distribution, medium beam
[VN] Symmetric distribution, very narrow beam
[VNS] Symmetric distribution, very narrow beam, 'sharp cut-off'

Ordering guide:
 FLC210-T2: Specify 7 digit part ID together with finish and suitable power supply.
 Example: **667-1321 – Black RAL 9004 – 697-8060**
 FLC210-T3: Specify 7 digit part ID together with voltage and finish.
 Example: **667-2321 – 120 V – Black RAL 9004**

[M] – Remote transformer	Part ID	Light source	K	lm*	cd max	Beam	lbs
FLC210-T2	667-1321	3 LED 3W/350 mA	3000	312	671	34°	2.4
[VN] – Remote transformer	Part ID	Light source	K	lm*	cd max	Beam	lbs
FLC210-T2	667-1121	3 LED 3W/350 mA	3000	312	1984	16°	2.4
[VNS] – Remote transformer	Part ID	Light source	K	lm*	cd max	Beam	lbs
FLC210-T2	667-1221	3 LED 3W/350 mA	3000	312	8528	8°	2.4
[M] – Integral transformer	Part ID	Light source	K	lm*	cd max	Beam	lbs
FLC210-T3	667-2321	3 LED 3W/350 mA	3000	312	671	34°	3.0
[VN] – Integral transformer	Part ID	Light source	K	lm*	cd max	Beam	lbs
FLC210-T3	667-2121	3 LED 3W/350 mA	3000	312	1984	16°	3.0
[VNS] – Integral transformer	Part ID	Light source	K	lm*	cd max	Beam	lbs
FLC210-T3	667-2221	3 LED 3W/350 mA	3000	312	8528	8°	3.0



ELECTRICAL AND OPTICAL ACCESSORIES – FLC200 SERIES

Electrical Accessories:

Remote transformer RT		Volts	Watt max.	lbs
for FLC210-T2	697-8060	120 -12 AC	24	8.0
for FLC210-T2	697-8061	120 -12 AC	96	8.0
for FLC210-T2	697-8062	120 -12 AC	240	8.0

Suitable for installation to horizontal or vertical surface. 120-12 volt AC. Class 2, in exterior rated (DK2) enclosure. Two 1/2" conduit entries. Additional conduit entries can be provided on request. For remote distance specifications, refer to www.we-ef.com.

Optical Accessories:

Internal Accessories

One internal optical accessory such flood lens or spread lens.

External Accessories

One external optical accessory (glare shield).

Linear spread lens IO-180

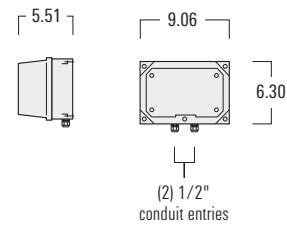
for FLC210	667-8116
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Flood lens IO-360

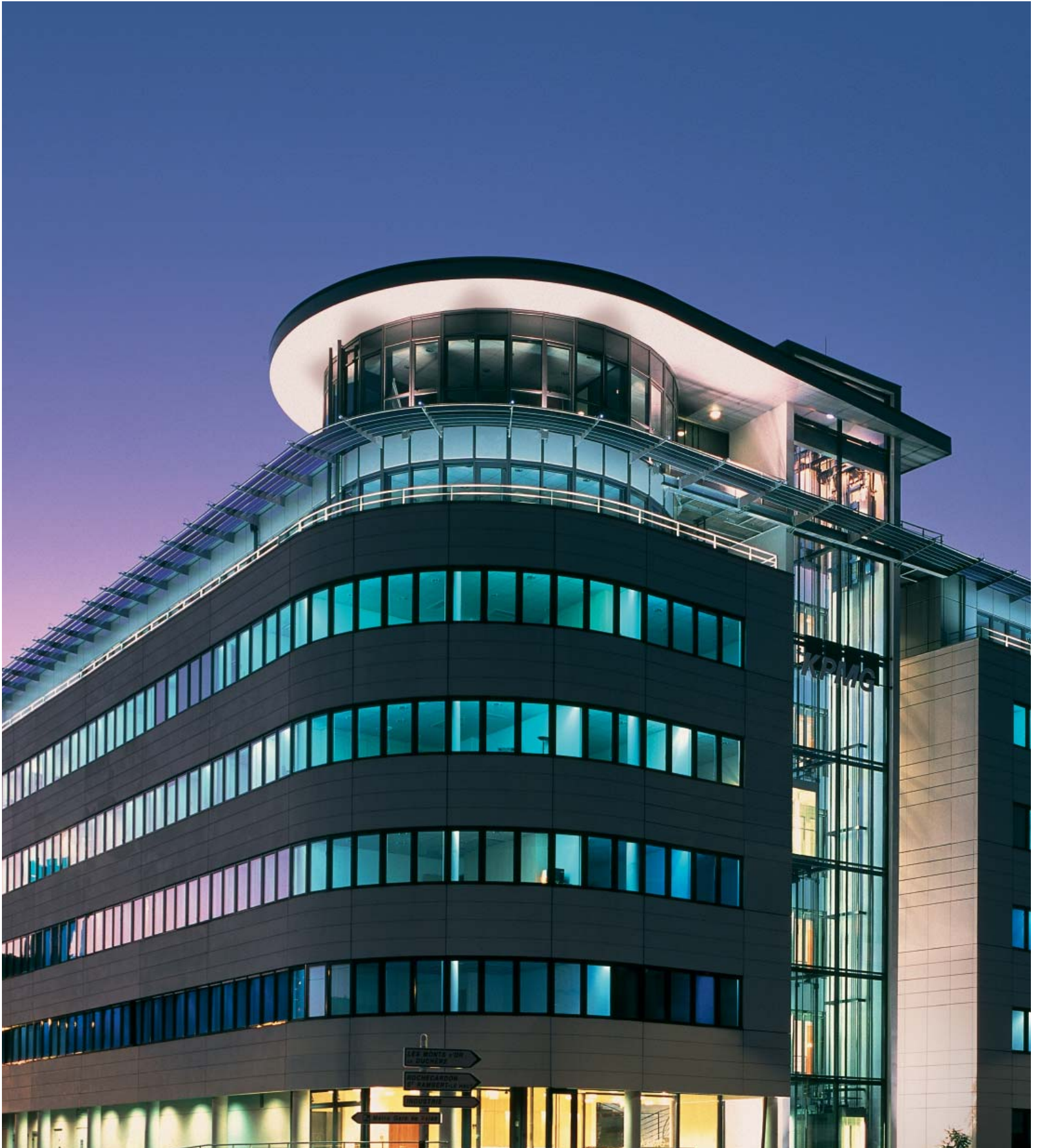
for FLC210	667-8117
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Glare shield ES

for FLC210	667-9212
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Remote transformer RT



FLC200 SERIES

Yoke or surface mounted projector. IP66. Marine-grade, die-cast aluminum alloy. 5CE superior corrosion protection including PCS hardware. Powdercoat finish in black RAL 9004, grey metallic RAL 9007 or white RAL 9016. Specify finish. Consult WE-EF color chart for other options. Clear tempered glass lens. Anodized aluminum reflector. Silicone rubber gasket. Integral control gear.

FLC230: Integral [ECG] electronic CMH ballast in 120 or 277 volt.

FLC240/240-T3: Integral [ECG] electronic CMH ballast in 120, 277 or 347 volt.

FLC250: Integral [ECG] electronic CMH ballast in 120, 277 or 347 volt.

FLC260: Integral [ECG] ELITE CMH (210-315 W) ballast in 200-277 volt.

FLC260: Integral [HPF] magnetic PSMH ballast in 120, 277 or 347 volt.

FLC260: Remote [HPF] magnetic 1000W MH ballast in 120, 277 or 347 volt.

Specify voltage where applicable.

Light source:

CMH 22-150 W

ELITE CMH 210-315 W

PSMH 250-400 W

MH 1000 W

Beam distributions:

[M] [VN]

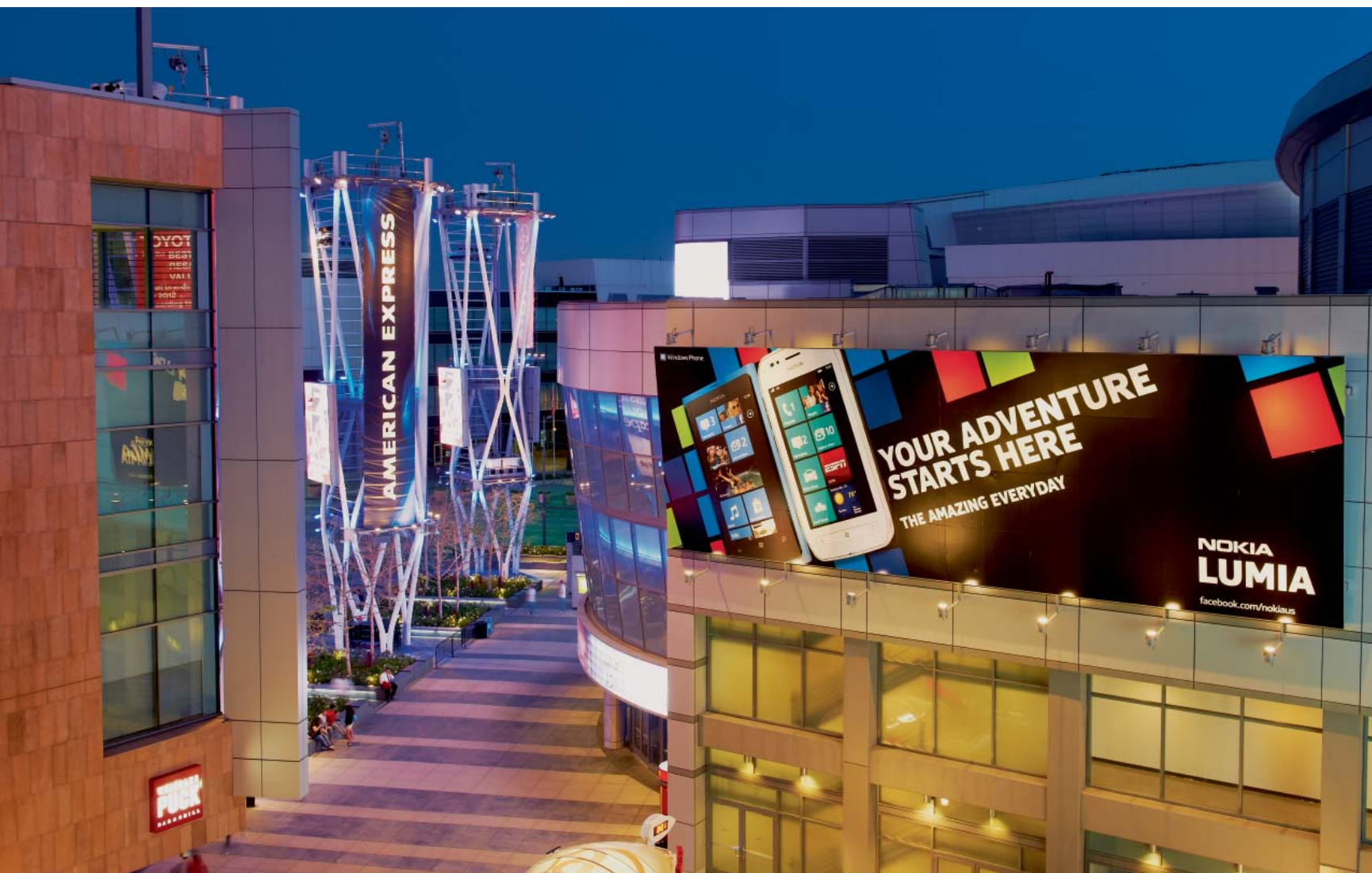
Accessories:

■ Mounting page 346-349

■ Optical page 350-351

UL, cUL:

■ Suitable for wet locations



LA Live. Los Angeles (USA). Architect: RTKL. Lighting design: Francis Krahe and Associates, Inc.



[M] [VN]

IOS Innovative Optical System:
[M] Symmetric distribution, medium beam
[VN] Symmetric distribution, very narrow beam



FLC230

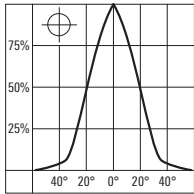


FLC240-T3

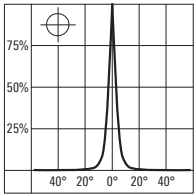
Ordering guide:
Specify 7 digit part ID together with voltage and finish.
Example: 667-0351 – 120 V – Black RAL 9004

[M]	Part ID	Light source	lm	cd max	Beam	lbs
FLC230	667-0351	CMH22/T3.5/Tm/PGJ-5 base	1650	2780	32°	6.0
	667-0352	CMH39/T3.5/Tm/PGJ-5 base	3000	4488	34°	6.0
FLC240	667-4350	CMH39/T-6/G-12 base	3300	5425	36°	17.0
	667-4351	CMH70/T-6/G-12 base	6600	10844	40°	17.0
FLC240-T3	667-4355	CMH39/T-6/G-12 base	3300	5425	36°	21.0
	667-4356	CMH70/T-6/G-12 base	6600	10844	40°	21.0
	667-4357	CMH150/T-6/G-12 base	14000	17920	46°	21.0

[VN]	Part ID	Light source	lm	cd max	Beam	lbs
FLC230	667-0151	CMH22/T3.5/Tm/PGJ-5 base	1650	49262	6°	6.0
	667-0152	CMH39/T3.5/Tm/PGJ-5 base	3000	54720	8°	6.0
FLC240	667-4150	CMH39/T-6/G-12 base	3300	156318	6°	17.0
	667-4151	CMH70/T-6/G-12 base	6600	197531	6°	17.0
FLC240-T3	667-4155	CMH39/T-6/G-12 base	3300	156318	6°	21.0
	667-4156	CMH70/T-6/G-12 base	6600	197531	6°	21.0
	667-4157	CMH150/T-6/G-12 base	14000	248528	8°	21.0

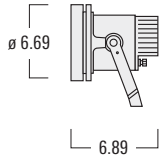
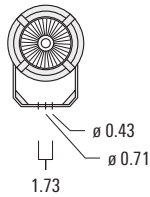


[M]

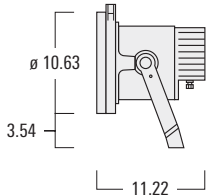
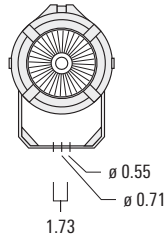


[VN]

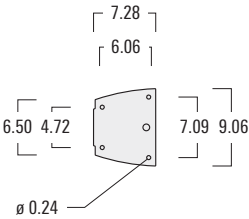
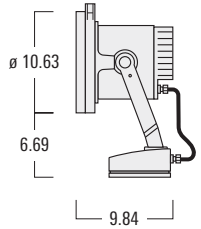
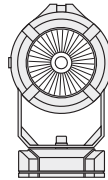
FLC230

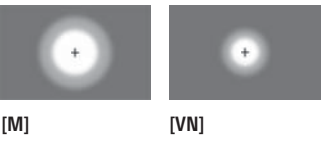


FLC240



FLC240-T3



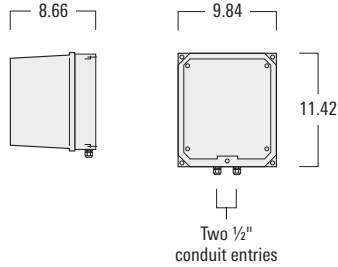
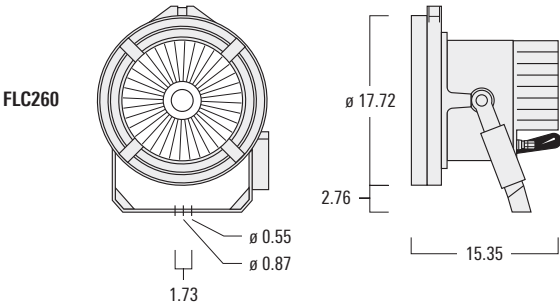
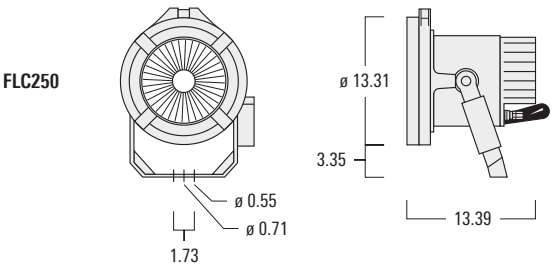
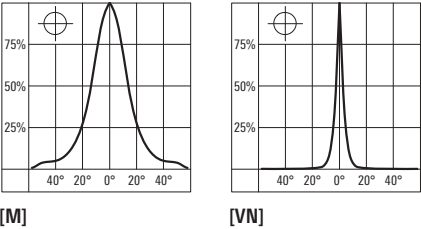


IOS Innovative Optical System:
[M] Symmetric distribution, medium beam
[VN] Symmetric distribution, very narrow beam

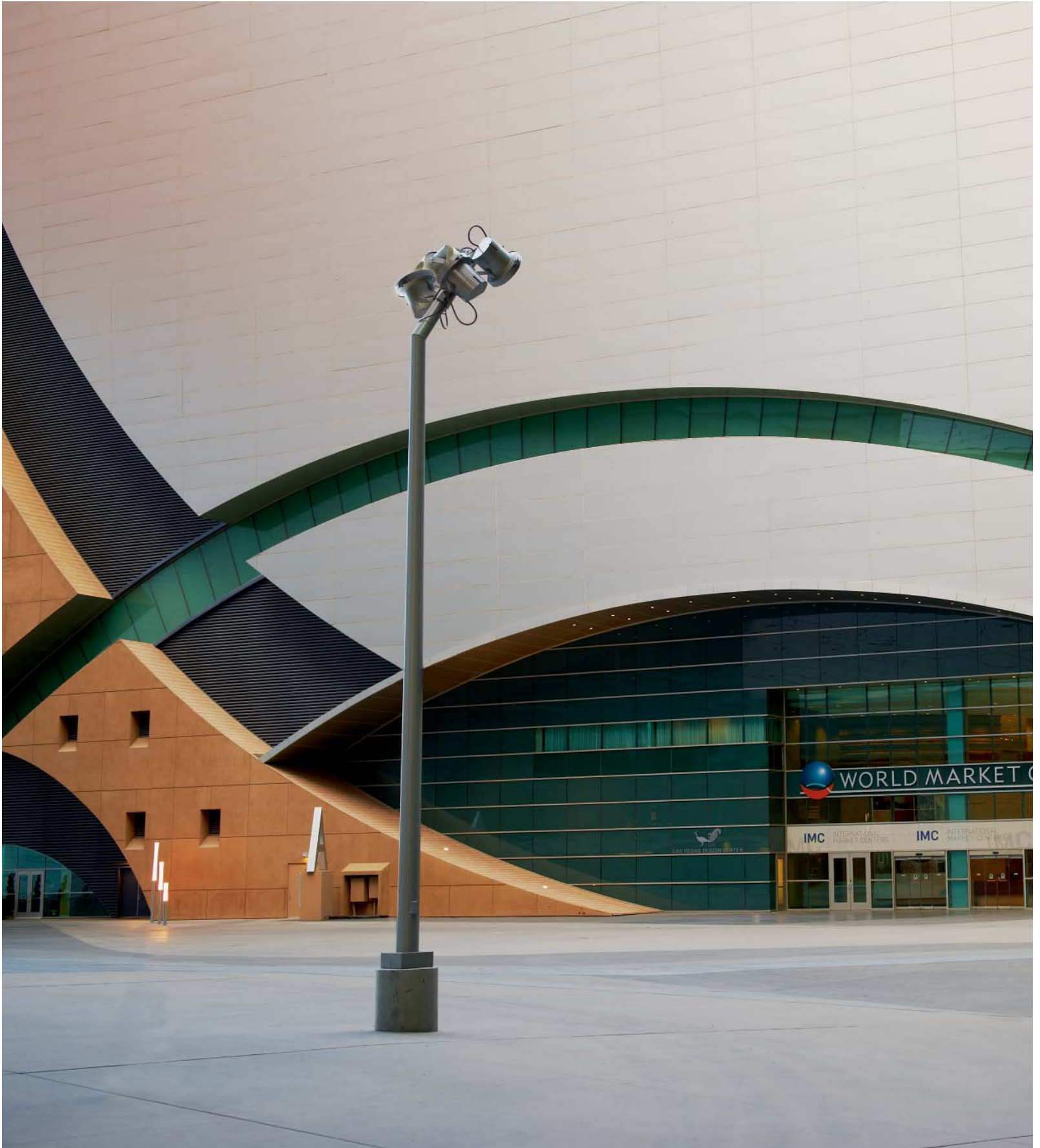
Ordering guide:
Specify 7 digit part ID together with voltage and finish.
Example: 667-5340 – 120 V – Black RAL 9004

[M]	Part ID	Light source	lm	cd max	Beam	lbs
FLC250	667-5340	CMH100/ED17 clear/medium base	9500	14478	34°	27.0
	667-5341	CMH150/ED17 clear/medium base	14000	27370	26°	27.0
	667-5351	CMH150/T-6/G-12 base	14000	27370	26°	27.0
FLC260	667-6341	PSMH250/ED28 clear/mogul base**	22000	40392	30°	45.0
	667-6342	PSMH400/ED28 clear/mogul base**	40000	64560	34°	45.0
	667-6353	CMH210/MW/T-9/PGZ18 base	24150	48807	26°	45.0
	667-6354	CMH315/MW/T-9/PGZ18 base	37800	87167	24°	45.0
	667-6343*	MH1000/BT37 clear/mogul base	110000	182270	32°	45.0

[VN]	Part ID	Light source	lm	cd max	Beam	lbs
FLC250	667-5140	CMH100/ED17 clear/medium base	9500	276051	8°	27.0
	667-5141	CMH150/ED17 clear/medium base	14000	368844	6°	27.0
	667-5151	CMH150/T-6/G-12 base	14000	368844	6°	27.0
FLC260	667-6141	PSMH250/ED28 clear/mogul base**	22000	596310	4°	45.0
	667-6142	PSMH400/ED28 clear/mogul base**	40000	817520	6°	45.0
	667-6153	CMH210/MW/T-9/PGZ18 base	24150	858291	6°	45.0
	667-6154	CMH315/MW/T-9/PGZ18 base	37800	891097	6°	45.0
	667-6143*	MH1000/BT37 clear/mogul base	110000	1883200	6°	45.0



Remote ballast enclosure for 1000 W lamp



World Market Center. Las Vegas (USA). Architect: Jon Jerde, The Jerde Partnership, Inc. Lighting design: Steelman Partners LLP.

FLC200 BL SERIES

Profile projector with a twin aspheric convex lens system. IP66. Marine-grade, die-cast aluminum alloy. 5CE superior corrosion protection including PCS hardware. Powdercoat finish in black RAL 9004, grey metallic RAL 9007 or white RAL 9016. Specify finish.

Consult WE-EF color chart for other options. Clear tempered glass lens. Anodized aluminum reflector. Silicone rubber gasket.

Integral [ECG] electronic CMH ballast in 120, 277 or 347 volt. Specify voltage.

FLC254-CC [BL] Version: CMY dichroic color changing filters for subtractive color mixing

- reset function and test programs
- storage of up to 99 scenes and 99 sequences, storage of up to seven daily programs, or one weekly program
- stand alone function and master/slave function
- four cross fading sequences
- integrated calendar with timer function and integrated operation hour counter
- DMX/512 in-and output and RJ45 interface
- WE-EF CONTROL CMY-DMX PC based software supplied.

Light source:
CMH 70-150 W

Beam distributions:
[BL]-ZP, [BL]-GP, [BL]-FP

Accessories:
■ Mounting page 346-349
■ Optical page 350-351

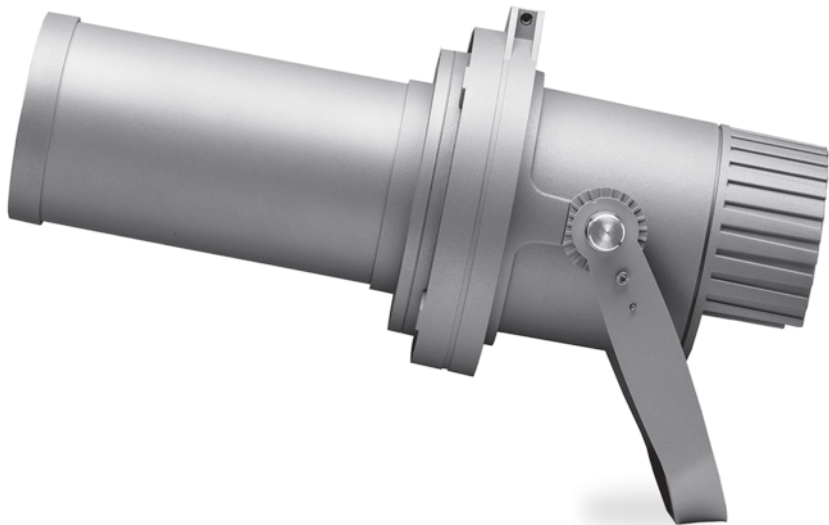
UL, cUL:
■ Suitable for wet locations



Front de mer. Mers-les-Bains (F). Lighting design: Xavier Boymond, Frouzins.



Profile projector for zoom, gobo or framing applications.



Ordering guide:

Specify 7 digit part ID together with voltage and finish.

Example: 667-4751 – 120 V – Black RAL 9004

[BL] – ZP/GP/FP	Part ID	Light source	lm	lbs
FLC240 [BL]	667-4751	CMH70/T-6/G-12 base	6600	30.0
FLC250 [BL]	667-5751	CMH150/T-6/G-12 base	14000	36.0

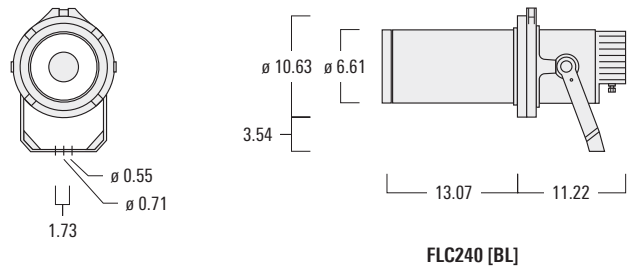
ZP: Profile projector for zoom projection.

GP: Profile projector for gobo projection onto a surface.

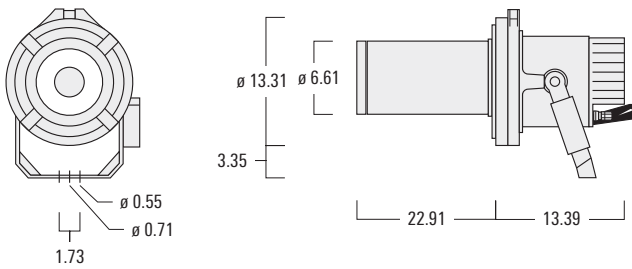
Gobo (D = 86 mm): Gobo can be either stainless steel or glass.

Gobo by others: Refer to www.rosco.com

FP: Profile projector for framing projection, polygon shape.



FLC240 [BL]



FLC250 [BL]

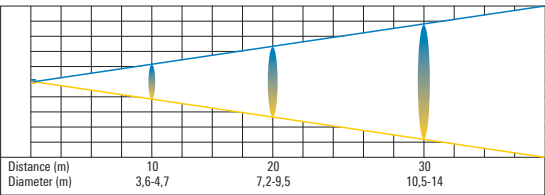
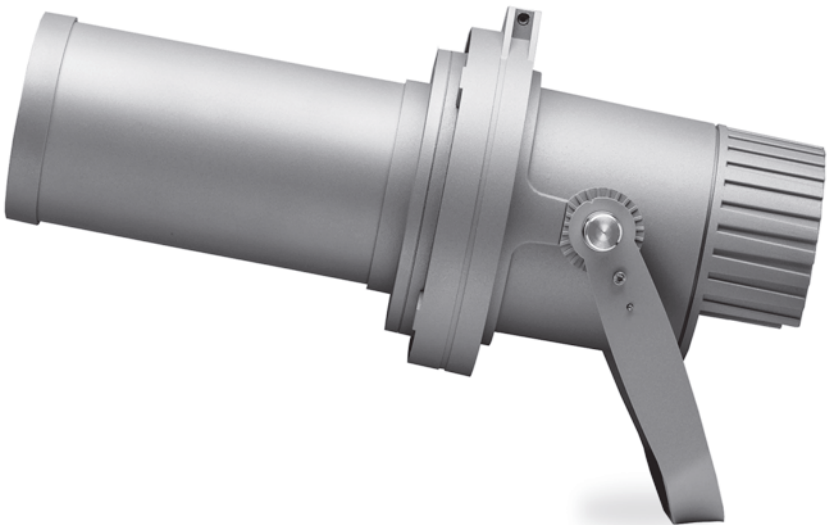


Profile projector for zoom, gobo or framing applications.

Ordering guide:

Specify 7 digit part ID together with voltage and finish.

Example: 667-5761 – 120 V – Black RAL 9004



[BL] – ZP	Part ID	Light source	lm	lbs
FLC254-CC	667-5761	CMH150/T-6/G-12 base	14000	55.0

Profile projector for zoom projection.

[BL] – GP	Part ID	Light source	lm	lbs
FLC254-CC	667-5762	CMH150/T-6/G-12 base	14000	55.0

Color changing profile projector for gobo projection onto a surface.

Gobo (D = 86 mm): Gobo can be either stainless steel or glass.

Gobo by others: Refer to www.rosco.com.

[BL] – FP	Part ID	Light source	lm	lbs
FLC254-CC	667-5763	CMH150/T-6/G-12 base	14000	55.0

Color changing profile projector for framing projection, polygon shape.

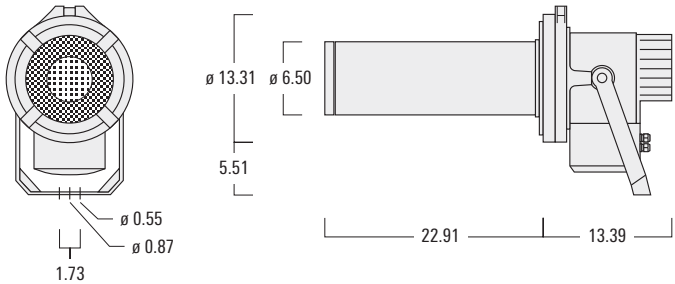
Accessories:

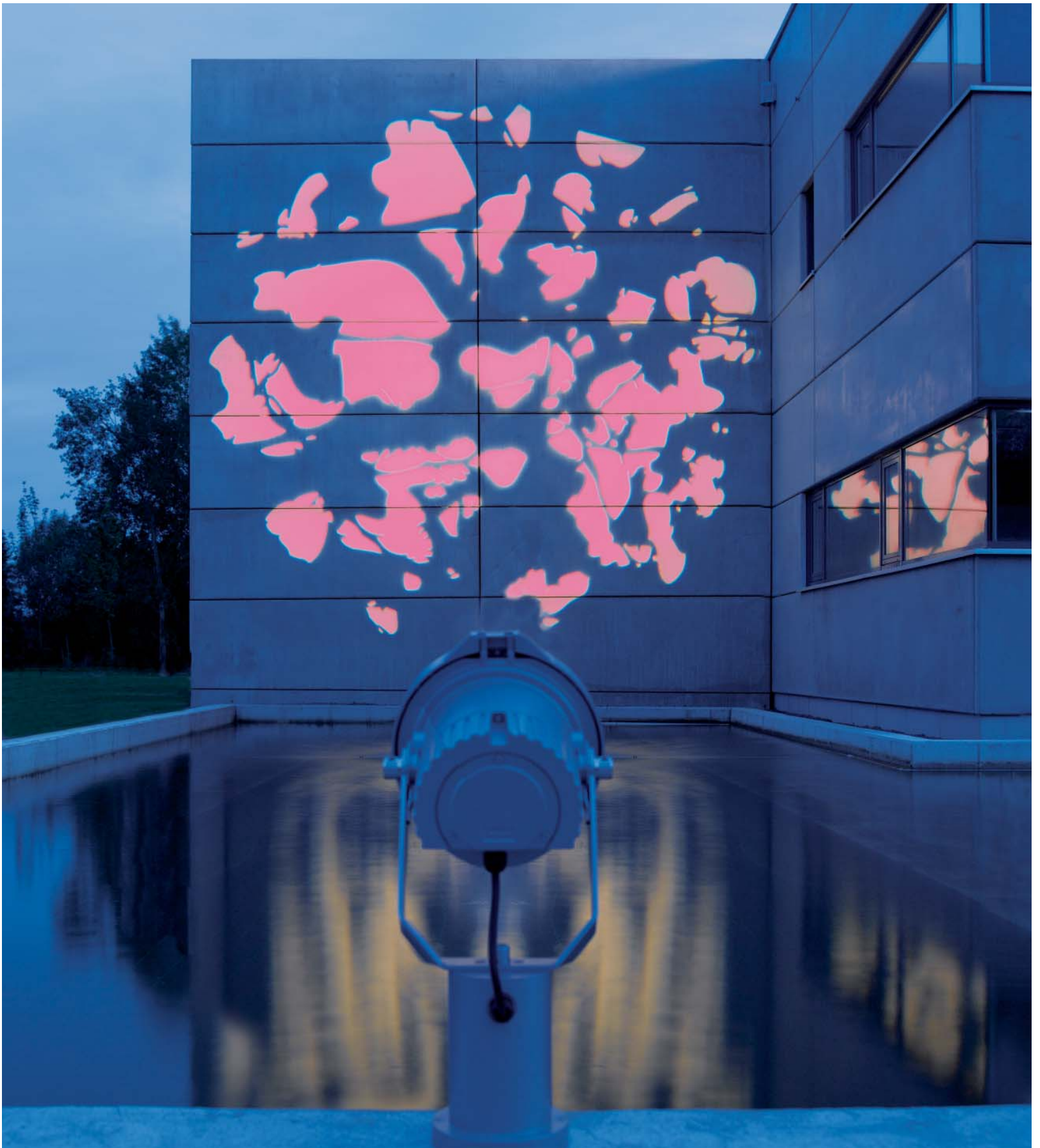
[DMX] – HH1 hand held programmer.

for FLC254-CC 667-9401 Including RS232 serial cable.

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

- 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

Short post, planted root, pole top cap and pole clamps for FLC200 series yoke mounted projector. Marine-grade, all-aluminum construction. 5CE superior corrosion protection including PCS hardware. Powdercoat finish in black RAL 9004, grey metallic RAL 9007 or white RAL 9016. Specify finish. Consult WE-EF color chart for other color options.

Short post				lbs
for FLC230/240/250/254	667-9301	EM1-M16		3.0
for FLC260	667-9302	EM1-M20		3.0
Suitable for direct mounting of projector to short post. Suitable for landscaped applications.				

Planted root				lbs
for FLC230/240/250/260	665-9302			10.0
Galvanized steel construction. Suitable for direct mounting of short post, 667-9301 or 667-9302. Permits installations of projector without extensive need for concrete foundations.				

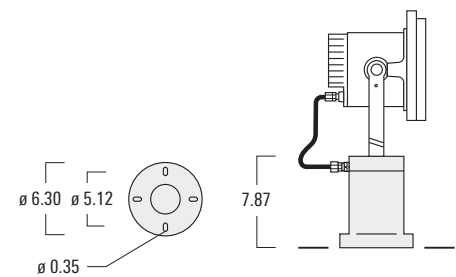
Pole top caps			Pole top tenon	lbs
for (1) FLC230/240/250/254	669-9331	KF16-60/M16	2.36	2.0
for (1) FLC230/240/250/254	669-9332	KF16-76/M16	3.00	2.0
for (1) FLC230/240/250/254	669-9333	KF16-89/M16	3.50	2.0
for (1) FLC230/240/250/254	669-9334	KF16-108/M16	4.25	2.0
for (1) FLC260	667-9331	KF20-60/M20	2.36	2.0
for (1) FLC260	667-9332	KF20-76/M20	3.00	2.0
for (1) FLC260	667-9333	KF20-89/M20	3.50	2.0
for (1) FLC260	667-9334	KF20-108/M20	4.25	2.0

Permits installation of projector to pole top tenon.

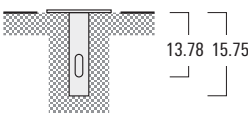
Pole clamps			Pole diameter (D)	lbs
for (1) FLC230	667-9335	TS1-2/M10	(ø 3.0-3.50)	7.0
for (1) FLC230	667-9337	TS1-2/M10	(ø 4.0-4.50)	10.0
for (1) FLC240/250/254	667-9320	TS1-2/M16	(ø 3.0-3.50)	7.0
for (1) FLC240/250/254	667-9348	TS1-2/M16	(ø 4.0-4.50)	9.0
for (1) FLC240/250/254	667-9322	TS1-2/M16	(ø 4.50-5.25)	10.0
for (1) FLC260	667-9324	TS1-2/M20	(ø 3.0-3.50)	7.0
for (1) FLC260	667-9328	TS1-2/M20	(ø 4.0-4.50)	9.0
for (1) FLC260	667-9326	TS1-2/M20	(ø 4.50-5.25)	10.0
for (2) FLC230	667-9336	TS2-2/M10	(ø 3.0-3.50)	7.0
for (2) FLC230	667-9338	TS2-2/M10	(ø 4.0-4.50)	10.0
for (2) FLC240/250/254	667-9321	TS2-2/M16	(ø 3.0-3.50)	7.0
for (2) FLC240/250/254	667-9349	TS2-2/M16	(ø 4.0-4.50)	9.0
for (2) FLC240/250/254	667-9323	TS2-2/M16	(ø 4.50-5.25)	10.0
for (2) FLC260	667-9325	TS2-2/M20	(ø 3.0-3.50)	7.0
for (2) FLC260	667-9329	TS2-2/M20	(ø 4.0-4.50)	9.0
for (2) FLC260	667-9327	TS2-2/M20	(ø 4.50-5.25)	10.0

Suitable for installation of projector to pole. Allows for projector to be rotated horizontally or vertically. Electrical contractor is required to drill pole as required for power feed.

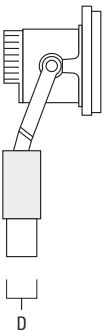
Ordering guide:
Specify 7 digit part ID together with finish.
Example: 667-9301 – Black RAL 9004



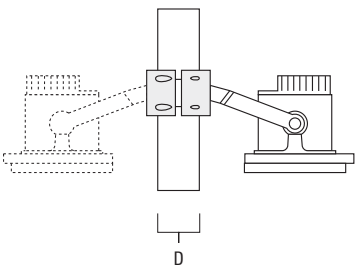
Short post EM1



Planted root ESV



Pole top cap KF-16/20



Pole clamp TS1/TS2

Wall, pole and pole top mounting brackets for FLC200 series yoke mounted projectors.

WMB and PMB brackets in marine-grade, die-cast aluminum alloy. TA brackets in hot dipped galvanized steel. 5CE superior corrosion protection including PCS hardware.

Powdercoat finish in black RAL 9004, grey metallic RAL 9007 or white RAL 9016.

Specify finish. Consult WE-EF color chart for other color options.

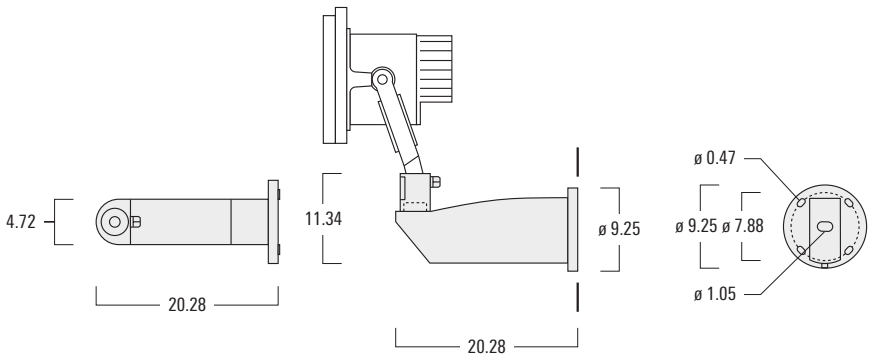
Wall mount brackets				lbs
for FLC230/240/250/254	667-9339	WMB200		20.0
for FLC260	667-9340	WMB260		20.0

Assembly includes horizontal bracket, yoke mounting fitter, and wall mount canopy. Suitable for wall mounting over a recessed junction box.

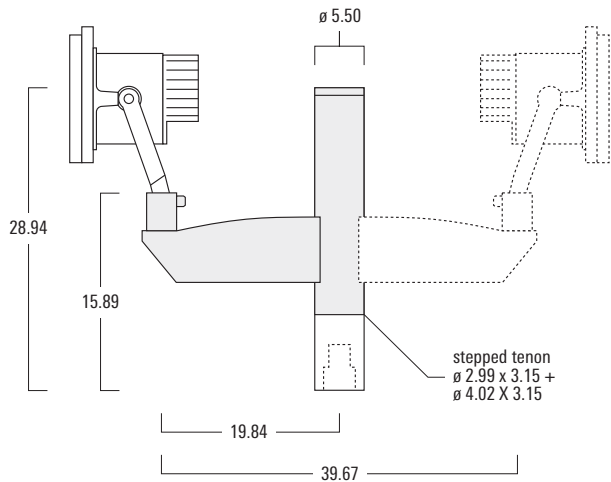
Pole mount brackets				lbs
for (1) FLC230/240/250/254	667-9341	PMB200-1		38.0
for (1) FLC260	667-9343	PMB260-1		38.0
for (2) FLC230/240/250/254	667-9342	PMB200-2		57.0
for (2) FLC260	667-9344	PMB260-2		57.0

Assembly includes one or two horizontal brackets, yoke mounting fitter, and vertical pole extension. Suitable for pole top mounting of one or two projectors.

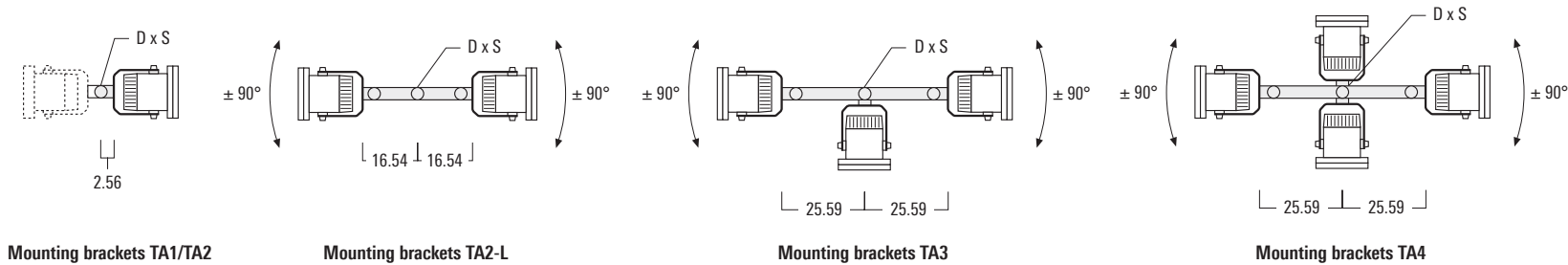
Pole top mounting brackets				D x S	lbs
for (1) FLC230/240/250/254/260	667-9310	TA1-76	ø 3.0 x 7.87 long		8.0
for (2) FLC230/240/250/254/260	667-9311	TA2-76	ø 3.0 x 7.87 long		8.0
for (2) FLC230/240/250/254/260	667-9312	TA2-L-76	ø 3.0 x 7.87 long		48.0
for (3) FLC230/240/250/254/260	667-9313	TA3-89	ø 3.50 x 7.87 long		52.0
for (4) FLC230/240/250/254/260	667-9314	TA4-89	ø 3.50 x 7.87 long		53.0
for (1) FLC230/240/250/254/260	667-9315	TA1-108	ø 4.25 x 7.87 long		8.0
for (2) FLC230/240/250/254/260	667-9316	TA2-108	ø 4.25 x 7.87 long		8.0
for (2) FLC230/240/250/254/260	667-9317	TA2-L-108	ø 4.25 x 7.87 long		48.0
for (3) FLC230/240/250/254/260	667-9318	TA3-108	ø 4.25 x 7.87 long		52.0
for (4) FLC230/240/250/254/260	667-9319	TA4-108	ø 4.25 x 7.87 long		53.0



Wall mount bracket WMB



Pole mount bracket PMB-1/PMB-2



Mounting brackets TA1/TA2

Mounting brackets TA2-L

Mounting brackets TA3

Mounting brackets TA4

MOUNTING ACCESSORIES – FLC200 SERIES

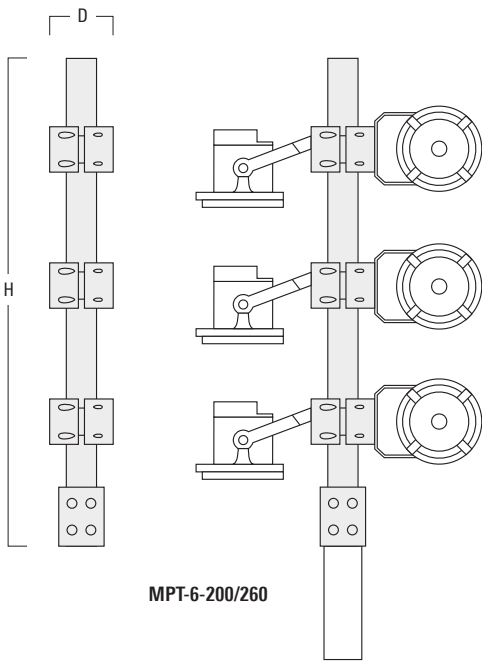
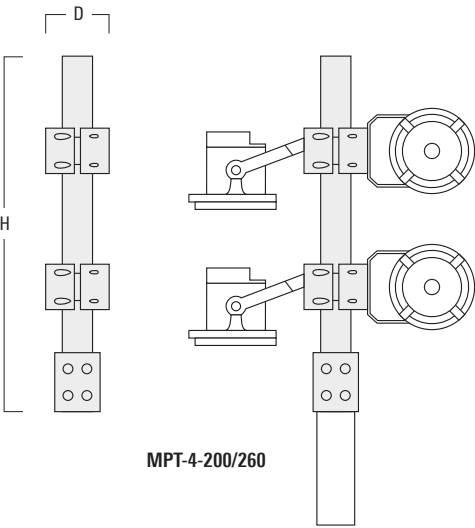
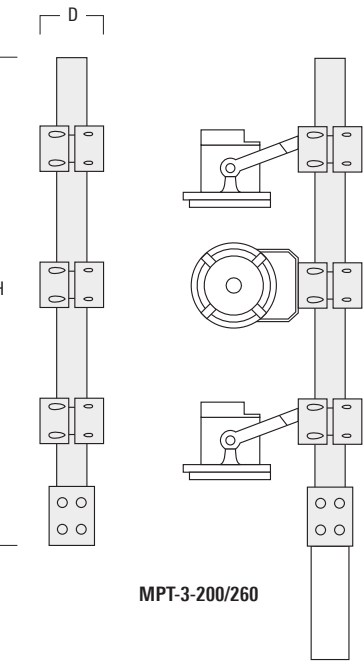
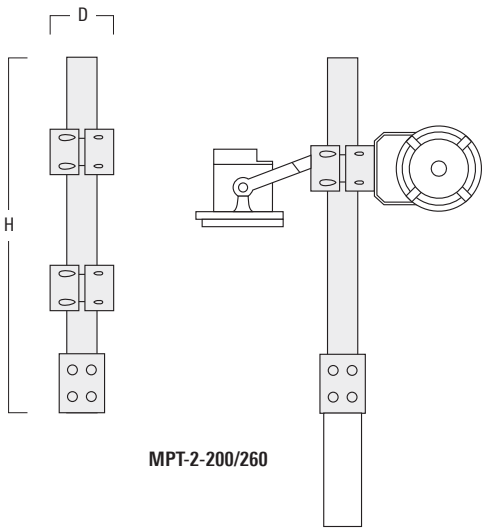
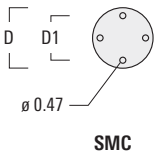
Surface mount canopy and multiple pole top brackets for FLC200 series yoke mounted projectors. Marine-grade, all-aluminum construction. 5CE superior corrosion protection including PCS hardware. Powdercoat finish in black RAL 9004, grey metallic RAL 9007 or white RAL 9016. Specify finish. Consult WE-EF color chart for other color options.

Surface mounted canopy			D/D1	lbs
for FLC230/240/250/254	683-9329	SMC-200	(ø 10.83)/(ø 9.25)	7.0
for FLC260	683-9330	SMC-260	(ø 10.83)/(ø 9.25)	7.0

Multiple pole top brackets			H	D	E.P.A.	Insert depth	Pole top tenon	lbs
for (2) FLC230/240/250/254	667-9350	MPT-2-200	24.0	7.38	0.64	7.88	ø 4.0 x 7.88 long	17.0
for (3) FLC230/240/250/254	667-9352	MPT-3-200	72.0	7.38	1.50	7.88	ø 4.0 x 7.88 long	39.0
for (4) FLC230/240/250/254	667-9354	MPT-4-200	48.0	7.38	1.07	7.88	ø 4.0 x 7.88 long	29.0
for (6) FLC230/240/250/254	667-9356	MPT-6-200	72.0	7.38	1.70	7.88	ø 4.0 x 7.88 long	39.0
for (2) FLC260	667-9351	MPT-2-260	24.0	7.38	0.64	7.88	ø 4.0 x 7.88 long	17.0
for (3) FLC260	667-9353	MPT-3-260	72.0	7.38	1.50	7.88	ø 4.0 x 7.88 long	39.0
for (4) FLC260	667-9355	MPT-4-260	48.0	7.38	1.07	7.88	ø 4.0 x 7.88 long	29.0
for (6) FLC260	667-9357	MPT-6-260	72.0	7.38	1.70	7.88	ø 4.0 x 7.88 long	39.0

Multiple pole top configurations of FLC200 series projectors on 'specially adapted WE-EF poles'. Assembly includes pole top extension, pole clamps and pole top fitter. Allows for projector to be rotated horizontally or vertically. Consideration must be given by designer to assure adequacy of pole design. Pole design must meet all field conditions, including wind zone, height, and loading. WE-EF is not responsible for compatibility for use with poles supplied by others.

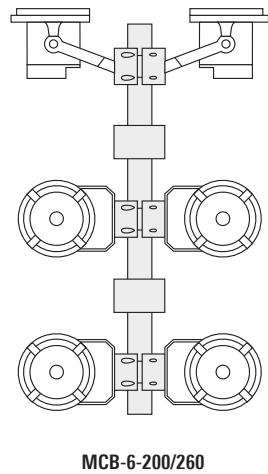
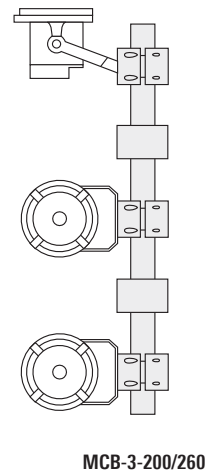
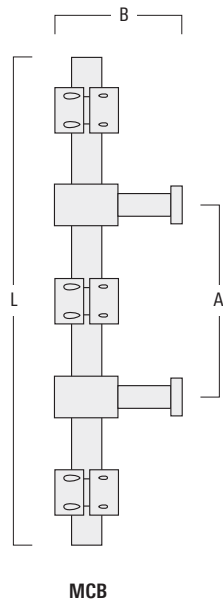
Ordering guide:
Specify 7 digit part ID together with finish.
Example: 683-9329 – Black RAL 9004



Cross beam brackets for FLC200 series yoke mounted projectors. Marine-grade, all-aluminum construction. 5CE superior corrosion protection including PCS hardware. Powdercoat finish in black RAL 9004, grey metallic RAL 9007 or white RAL 9016. Specify finish. Consult WE-EF color chart for other color options.

Multiple cross beam brackets			L	B	A	lbs
for (3) FLC230/240/250/254	667-9358	MCB-3-200	72.0	12.0	45.0	39.0
for (6) FLC230/240/250/254	667-9359	MCB-6-200	72.0	12.0	45.0	39.0
for (3) FLC260	667-9360	MCB-3-260	72.0	12.0	45.0	39.0
for (6) FLC260	667-9361	MCB-6-260	72.0	12.0	45.0	39.0

Multiple cross beam bracket configurations of FLC200 series projectors. Suitable for mounting on wall surfaces, support and ceiling structures. Assembly includes cross beam, pole clamps and surface mounting flange. Suitable for installation over 4" recessed junction box. Allows for projector to be rotated horizontally or vertically.



OPTICAL ACCESSORIES – FLC200 SERIES

Internal Accessories

FLC230: A maximum of two internal optical accessories such as source shield, color filter, flood lens or linear spread lens.

FLC240/250: A maximum of two internal optical accessories such as source shield, circular louver, color filter, flood lens, or linear spread lens.

FLC260: One internal optical accessory (circular louver).

External Accessories

FLC230/240/250: One external optical accessory such as wire guard, glare shield, or snoot.

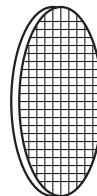
FLC260: One external optical accessory such as color filter, flood lens, or linear spread lens, wire guard, glare shield, or snoot (combinations are available on special request, please contact WE-EF for availability). For FLC260, external optical adaptor, EA, must be ordered to hold color filters (EF), flood lens (EO-360), or spread lens (EO-180).



Source shield IQ
Circular louver IR



Color filter IF



Linear spread lens IO-180
Flood lens IO-360

Internal Accessories:

Circular louver IR

for FLC240	667-8242
for FLC250	667-8251
for FLC260	667-8261

Source shield IQ*

for FLC230	667-8231
for FLC240	667-8241
for FLC250	667-8252

Color filter IF	Red	Green	Blue	Yellow
for FLC230	667-8133	667-8132	667-8131	667-8134
for FLC240	667-8143	667-8142	667-8141	667-8144
for FLC250	667-8153	667-8152	667-8151	667-8154

Flood lens IO-360

for FLC230	667-8137
for FLC240	667-8147
for FLC250	667-8157

Linear spread lens IO-180

for FLC230	667-8136
for FLC240	667-8146
for FLC250	667-8156

External Accessories:

Color filter EF**	Red	Green	Blue	Yellow
for FLC260	667-9163	667-9162	667-9161	667-9164

Flood lens EO-360**

for FLC260	667-9166
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Linear spread lens EO-180**

for FLC260	667-9167
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External optical adaptor EA

for FLC260	667-9060
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Wire guard EG

for FLC230	667-9231
for FLC240	667-9241
for FLC250	667-9251
for FLC260	667-9261

Glare shield ES***

for FLC230	667-9232
for FLC240	667-9242
for FLC250	667-9252
for FLC260	667-9262

Snoot ET***

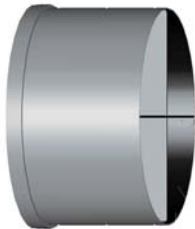
for FLC230	667-9233
for FLC240	667-9243
for FLC250	667-9253
for FLC260	667-9263



Wire guard EG



Glare shield ES



Snoot ET

* Source shield suited for versions with single ended CMH T-6/BT-5 lamps only.

** External optical adaptor, EA-FLC260, 667-9060 required. Must be ordered separately.

*** Matte black inside finish.

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Acknowledgements:

Page 322. Gardens by the Bay. Singapore (SG).

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