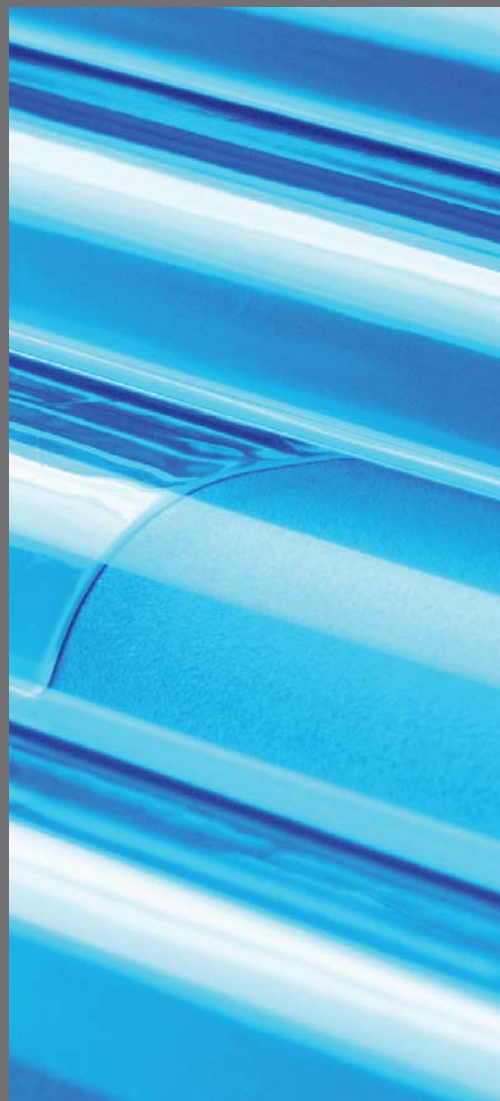


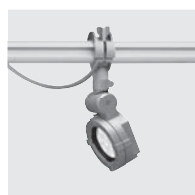


WE-EF LIGHTING
North American Edition
2014-2016

RAIL66 Projectors and Floodlights



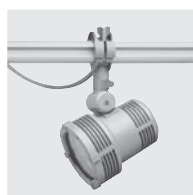
RAIL66 PROJECTORS AND FLOODLIGHTS



FLC100 Series



308-309
FLC121
FLC131
FLC141
LED



FLC100 Series

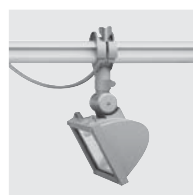


310-311
FLC121
FLC131
FLC141
HID



**Accessories
FLC100 Series**

312-313
Optical accessories
LED
HID



FLB100 Series



314-315
FLB141
HID



**Accessories
FLB100 Series**

316-317
Optical accessories
HID



**Accessories
RAIL66
FLC100 Series
FLB100 Series**

318-319
Mounting accessories

FLC100 SERIES

RAIL66 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, including 1.5' of flexible cable enclosed in stainless steel conduit. IP rated in-line connector and mounting clamp for installation to RAIL66 mounting system.

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

Integral [ECG] LED 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 318-319
- Optical, page 312-313

UL, cUL:

- Suitable for wet locations



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



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

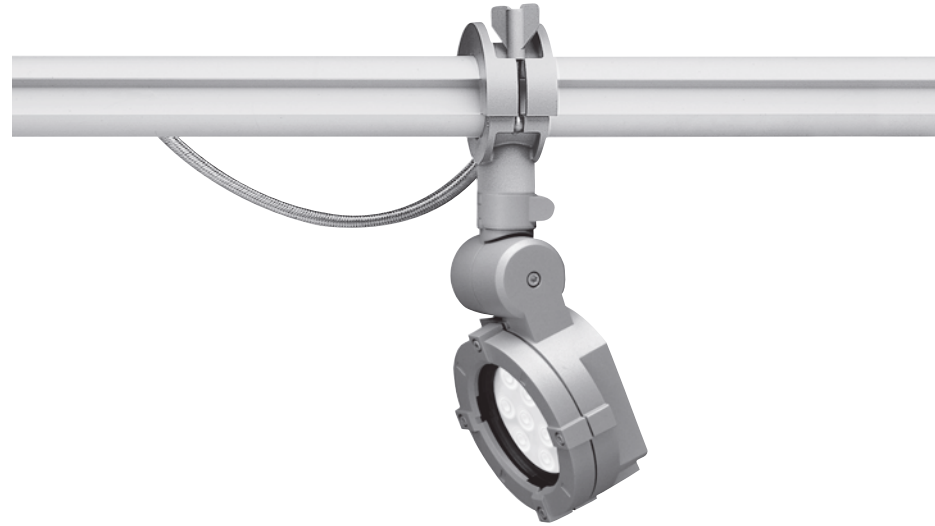
IOS Innovative Optical System:

[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.

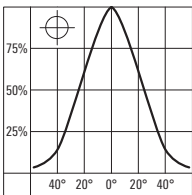
Example: 662-2420 – 120 V – Black RAL 9004

[W]	Part ID	Light source	K	lm*	cd max	Beam	lbs
FLC121	662-2420	6 LED 12W/700 mA	3000	1064	1015	50°	5.5
FLC131	662-3423	12 LED 24W/700 mA	3000	2128	2109	50°	6.8
FLC141	662-4420	24 LED 36W/500 mA	3000	3312	3160	50°	10.4

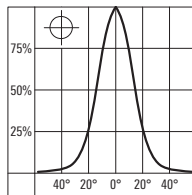
[M]	Part ID	Light source	K	lm*	cd max	Beam	lbs
FLC121	662-2320	6 LED 12W/700 mA	3000	1064	2794	28°	5.5
FLC131	662-3323	12 LED 24W/700 mA	3000	2128	5631	30°	6.8
FLC141	662-4320	24 LED 36W/500 mA	3000	3312	8697	28°	10.4

[VN]	Part ID	Light source	K	lm*	cd max	Beam	lbs
FLC121	662-2120	6 LED 12W/700 mA	3000	1064	8992	12°	5.5
FLC131	662-3123	12 LED 24W/700 mA	3000	2128	19671	12°	6.8
FLC141	662-4120	24 LED 36W/500 mA	3000	3312	27990	12°	10.4

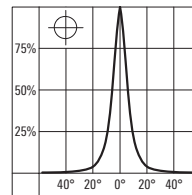
[VNS]	Part ID	Light source	K	lm*	cd max	Beam	lbs
FLC121	662-2220	6 LED 12W/700 mA	3000	1064	45002	6°	5.5
FLC131	662-3223	12 LED 24W/700 mA	3000	2128	77629	6°	6.8
FLC141	662-4220	24 LED 36W/500 mA	3000	3312	140081	6°	10.4



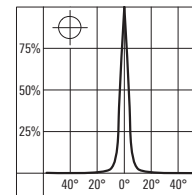
[W]



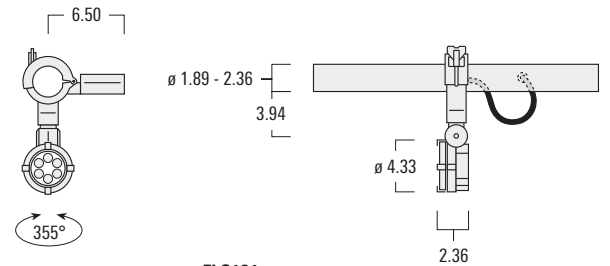
[M]



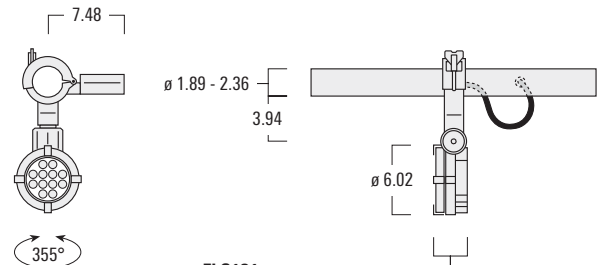
[VN]



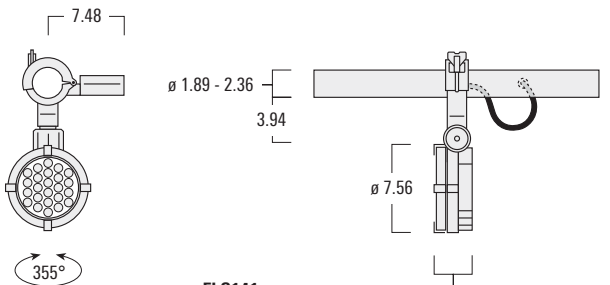
[VNS]



FLC121



FLC131



FLC141

* 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 SERIES

RAIL66 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 in thermally-separated compartment, including 1.5' of flexible cable enclosed in stainless steel conduit. IP rated in-line connector and mounting clamp for installation to RAIL66 mounting system.

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

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

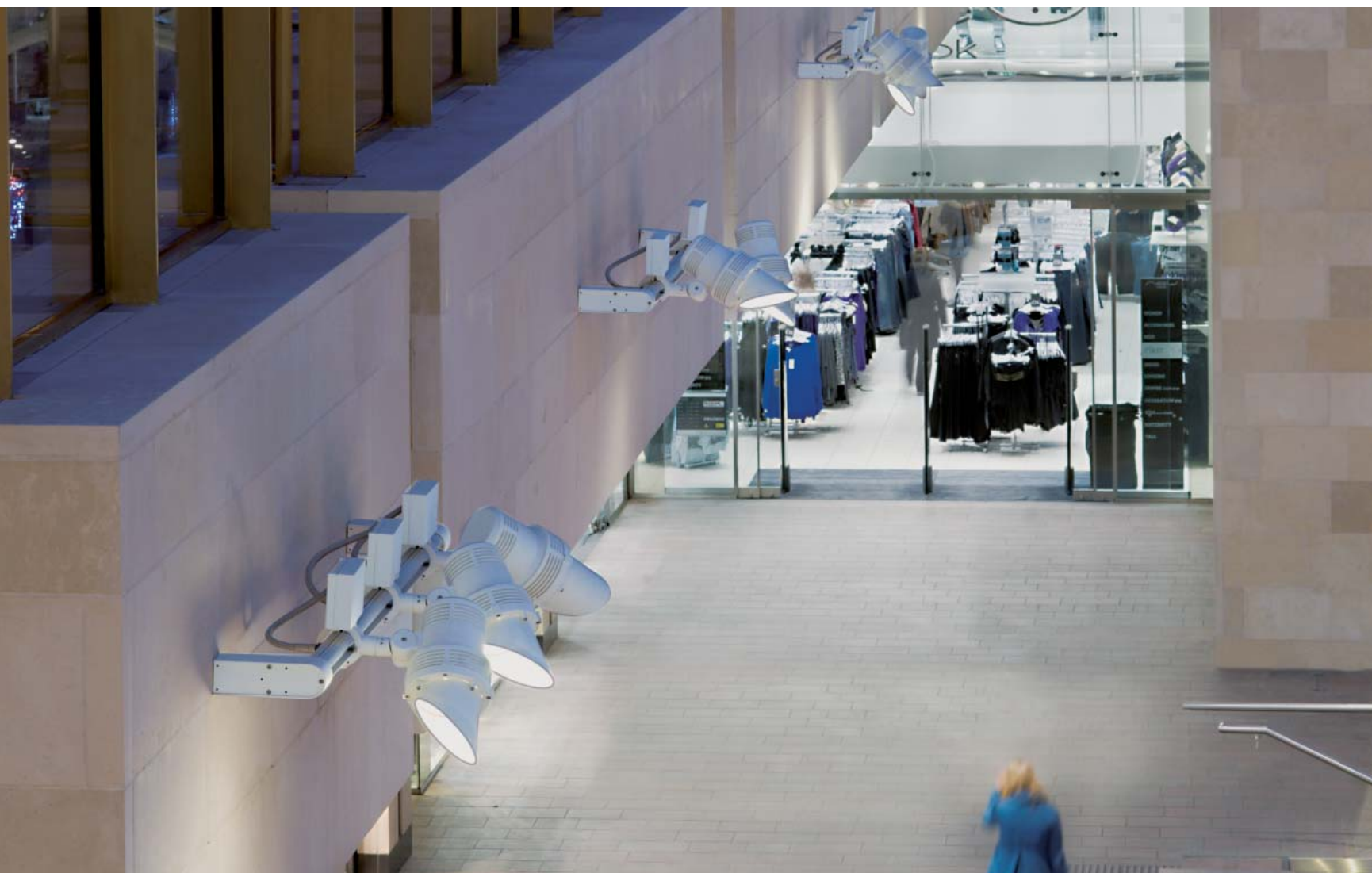
Specify voltage where applicable.

Light source:
CMH 22-150 W

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

Accessories:
■ Mounting, page 318-319
■ Optical, page 312-313

UL, cUL:
■ Suitable for wet locations



Cabot Circus. Bristol (UK). Architect: Chapman Taylor, Stanton Williams, Alex French. Lighting design: Pinniger and Partners.



[W] [M] [VN]

IOS Innovative Optical System:

[W] Symmetric distribution, wide beam

[M] Symmetric distribution, medium beam

[VN] Symmetric distribution, very narrow beam

Ordering guide:

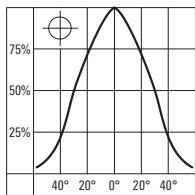
Specify 7 digit part ID together with voltage and finish.

Example: 662-2451 – 120 V – Black RAL 9004

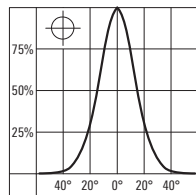
[W]	Part ID	Light source	lm	cd max	Beam	lbs
FLC121	662-2451	CMH22/T3.5/Tm/PGJ-5 base	1650	832	60°	6.0
	662-2452	CMH39/T3.5/Tm/PGJ-5 base	3000	1434	60°	6.0
FLC131	662-3451	CMH39/T-6/G-12 base	3300	2511	56°	9.0
	662-3452	CMH70/T-6/G-12 base	6600	4990	56°	9.0
FLC141	662-4451	CMH70/T-6/G-12 base	6600	3709	64°	11.0
	662-4452	CMH150/T-6/G-12 base	14000	8064	60°	11.0

[M]	Part ID	Light source	lm	cd max	Beam	lbs
FLC121	662-2351	CMH22/T3.5/Tm/PGJ-5 base	1650	2987	30°	6.0
	662-2352	CMH39/T3.5/Tm/PGJ-5 base	3000	5313	30°	6.0
FLC131	662-3350	CMH39/T-6/G-12 base	3300	4594	34°	9.0
	662-3351	CMH70/T-6/G-12 base	6600	8554	34°	9.0
FLC141	662-4350	CMH70/T-6/G-12 base	6600	11524	26°	11.0
	662-4351	CMH150/T-6/G-12 base	14000	19054	36°	11.0

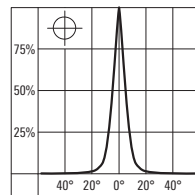
[VN]	Part ID	Light source	lm	cd max	Beam	lbs
FLC121	662-2151	CMH22/T3.5/Tm/PGJ-5 base	1650	18142	10°	6.0
	662-2152	CMH39/T3.5/Tm/PGJ-5 base	3000	25743	10°	6.0
FLC131	662-3150	CMH39/T-6/G-12 base	3300	42045	8°	9.0
	662-3151	CMH70/T-6/G-12 base	6600	49361	8°	9.0
FLC141	662-4150	CMH70/T-6/G-12 base	6600	81583	6°	11.0
	662-4151	CMH150/T-6/G-12 base	14000	100044	8°	11.0



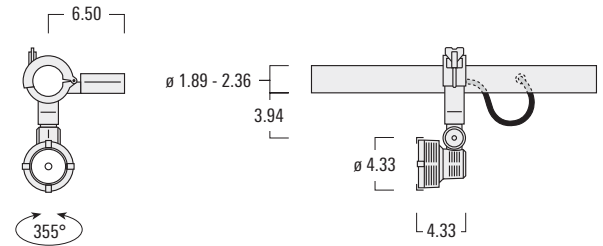
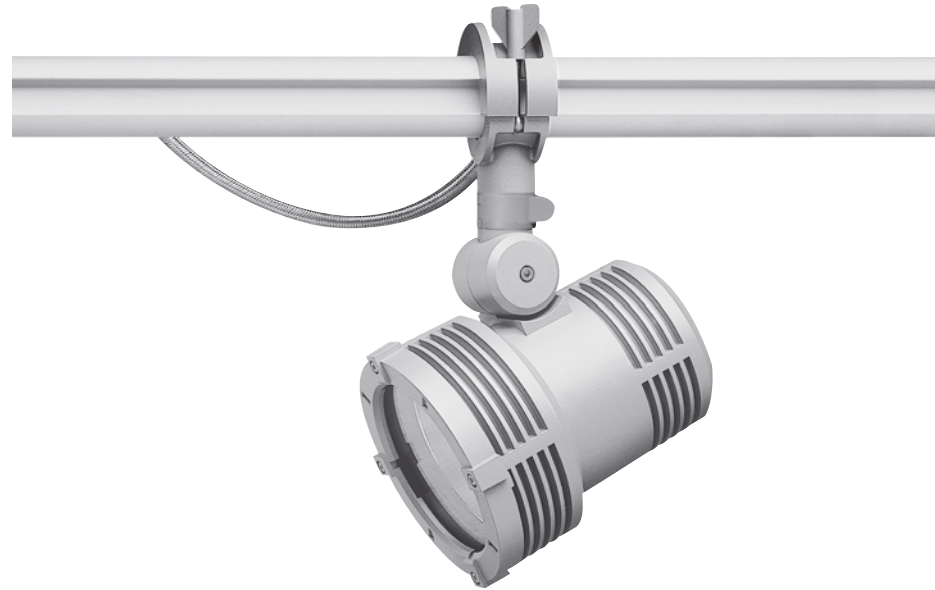
[W]



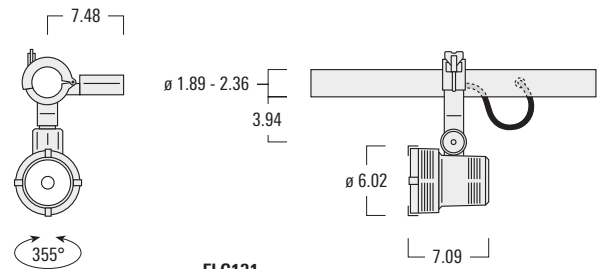
[M]



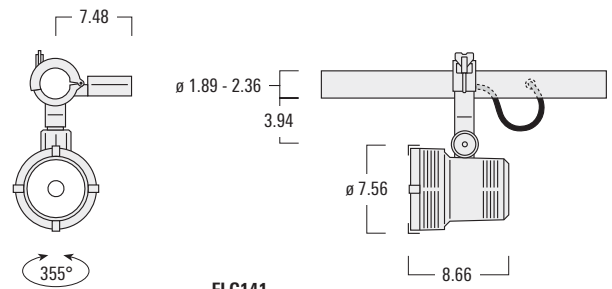
[VN]



FLC121



FLC131



FLC141

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.

HID

Internal Accessories

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

External Accessories

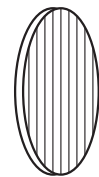
One external optical accessory such as wire guard, glare shield, or snoot.



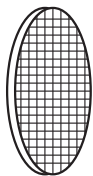
Source shield IQ



Color filter IF



Linear spread lens IO-180
Flood lens IO-360



Internal Accessories – LED:

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 FLC141 LED	665-8242

External Accessories – LED:

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

Internal Accessories – HID:

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

External Accessories – HID:

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**

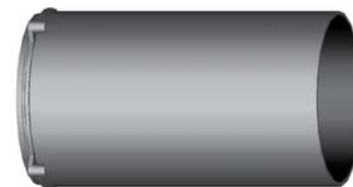
for FLC121	665-9223
for FLC131	665-9233
for FLC141	665-9243



Wire guard EG



Glare shield ES



Snoot ET

* Not suitable for [W] version.

** Matte black inside finish.

FLB100 SERIES

RAIL66 floodlight. 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 in thermally-separated compartment, including 1.5' of flexible cable enclosed in stainless steel conduit. IP rated in-line connector and mounting clamp for installation to RAIL66 mounting system.

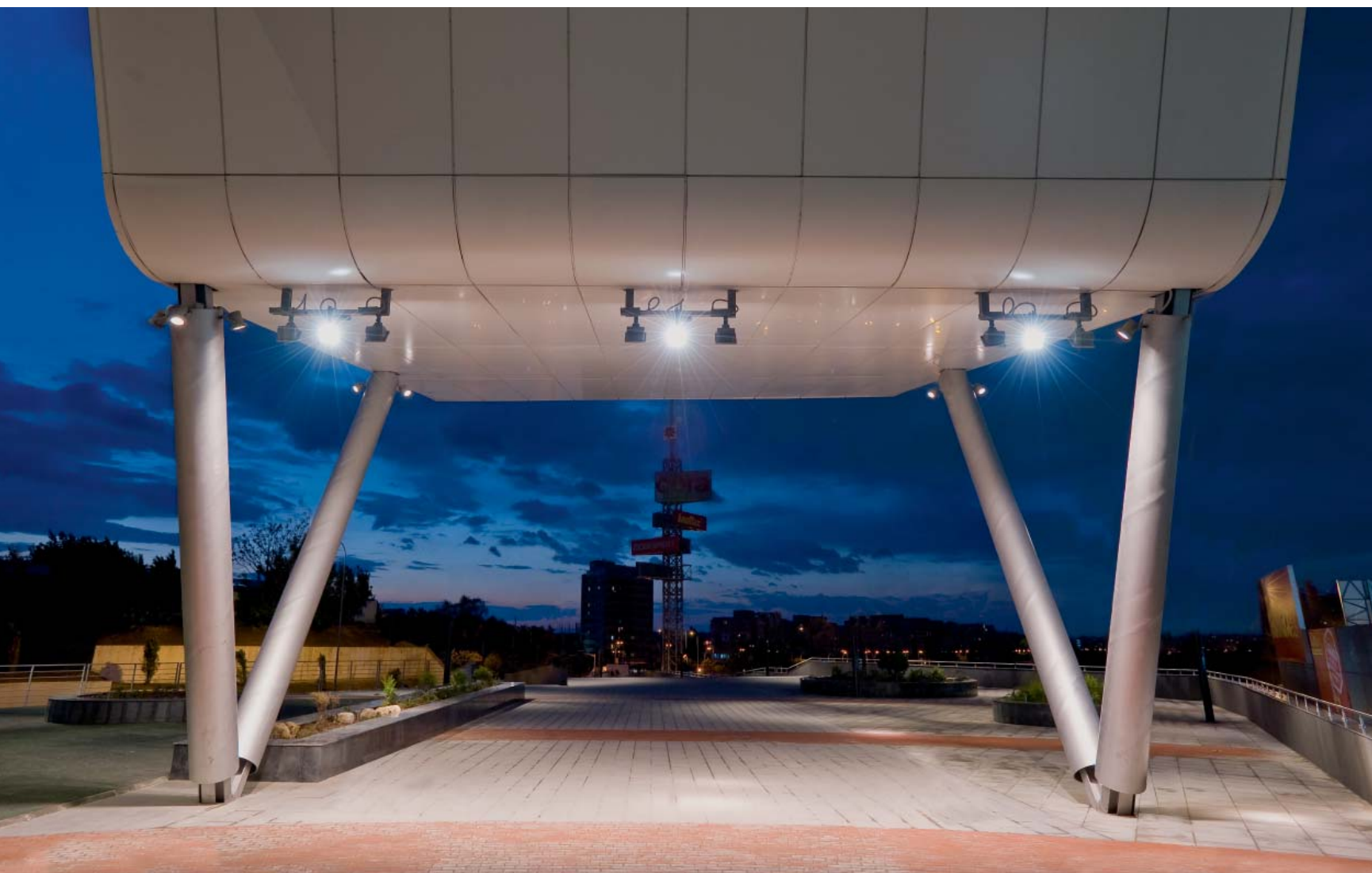
Integral [ECG] electronic MH ballast in 120, 277 or 347 volt. Specify voltage.

Light source:
CMH 39-150 W

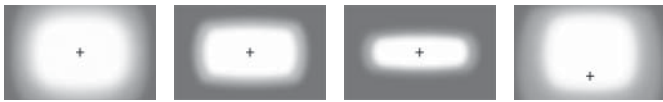
Beam distributions:
[W] [M] [N] [A]

Accessories:
■ Mounting, page 318-319
■ Optical, page 316-317

UL, cUL:
■ Suitable for wet locations



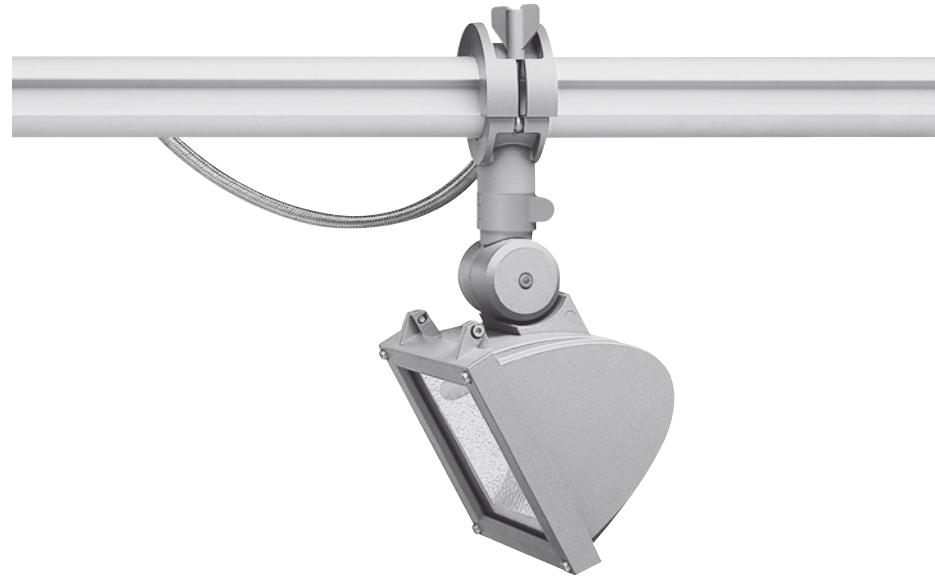
Sun Plaza Shopping Mall. Bucarest (RO). Architects: Chapman Taylor. Lighting design: Scott Beleuchtung.



[W] [M] [N] [A]

IOS Innovative Optical System:

- [W] Bi-symmetric distribution, wide beam
- [M] Bi-symmetric distribution, medium beam
- [N] Bi-symmetric distribution, narrow beam
- [A] Asymmetric distribution, wide beam



Ordering guide:

Specify 7 digit part ID together with voltage and finish.

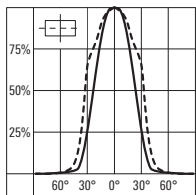
Example: 662-5451 – 120 V – Black RAL 9004

[W]	Part ID	Light source	lm	cd max	C ₀ C ₁₈₀	C ₉₀ C ₂₇₀	lbs
FLB141	662-5451	CMH39/T-6/G-12 base	3300	1924	24°/24°	33°/33°	11.0
	662-5452	CMH70/T-6/G-12 base	6600	4211	25°/25°	32°/32°	11.0
	662-5453	CMH100/T-6/G-12 base	9500	6061	25°/25°	32°/32°	11.0
	662-5454	CMH150/T-6/G-12 base	14000	9310	25°/25°	32°/32°	11.0

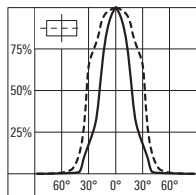
[M]	Part ID	Light source	lm	cd max	C ₀ C ₁₈₀	C ₉₀ C ₂₇₀	lbs
FLB141	662-5350	CMH39/T-6/G-12 base	3300	2706	18°/18°	32°/32°	11.0
	662-5351	CMH70/T-6/G-12 base	6600	6673	15°/15°	32°/32°	11.0
	662-5353	CMH100/T-6/G-12 base	9500	9605	15°/15°	32°/32°	11.0
	662-5352	CMH150/T-6/G-12 base	14000	13020	16°/16°	32°/32°	11.0

[N]	Part ID	Light source	lm	cd max	C ₀ C ₁₈₀	C ₉₀ C ₂₇₀	lbs
FLB141	662-5150	CMH39/T-6/G-12 base	3300	5669	5°/5°	31°/31°	11.0
	662-5151	CMH70/T-6/G-12 base	6600	113226	7°/7°	33°/33°	11.0
	662-5153	CMH100/T-6/G-12 base	9500	16302	7°/7°	33°/33°	11.0
	662-5152	CMH150/T-6/G-12 base	14000	19964	9°/9°	33°/33°	11.0

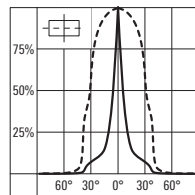
[A]	Part ID	Light source	lm	cd max	C ₀ C ₁₈₀	C ₉₀ C ₂₇₀	lbs
FLB141	662-5651	CMH39/T-6/G-12 base	3300	1577	30°/21°	38°/38°	11.0
	662-5652	CMH70/T-6/G-12 base	6600	3155	30°/21°	38°/38°	11.0
	662-5653	CMH100/T-6/G-12 base	9500	4541	30°/21°	38°/38°	11.0
	662-5654	CMH150/T-6/G-12 base	14000	6188	25°/26°	40°/40°	11.0



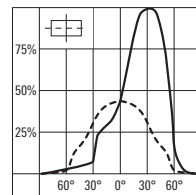
[W]



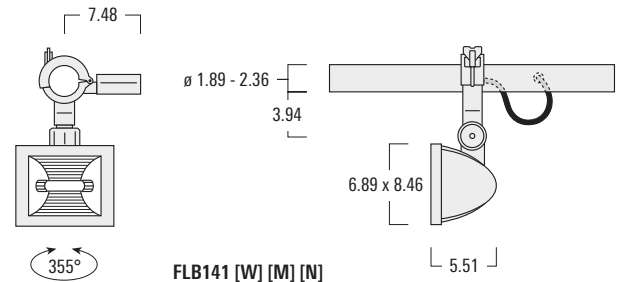
[M]



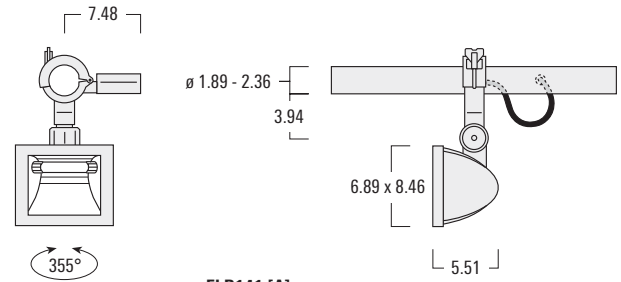
[N]



[A]



FLB141 [W] [M] [N]



FLB141 [A]

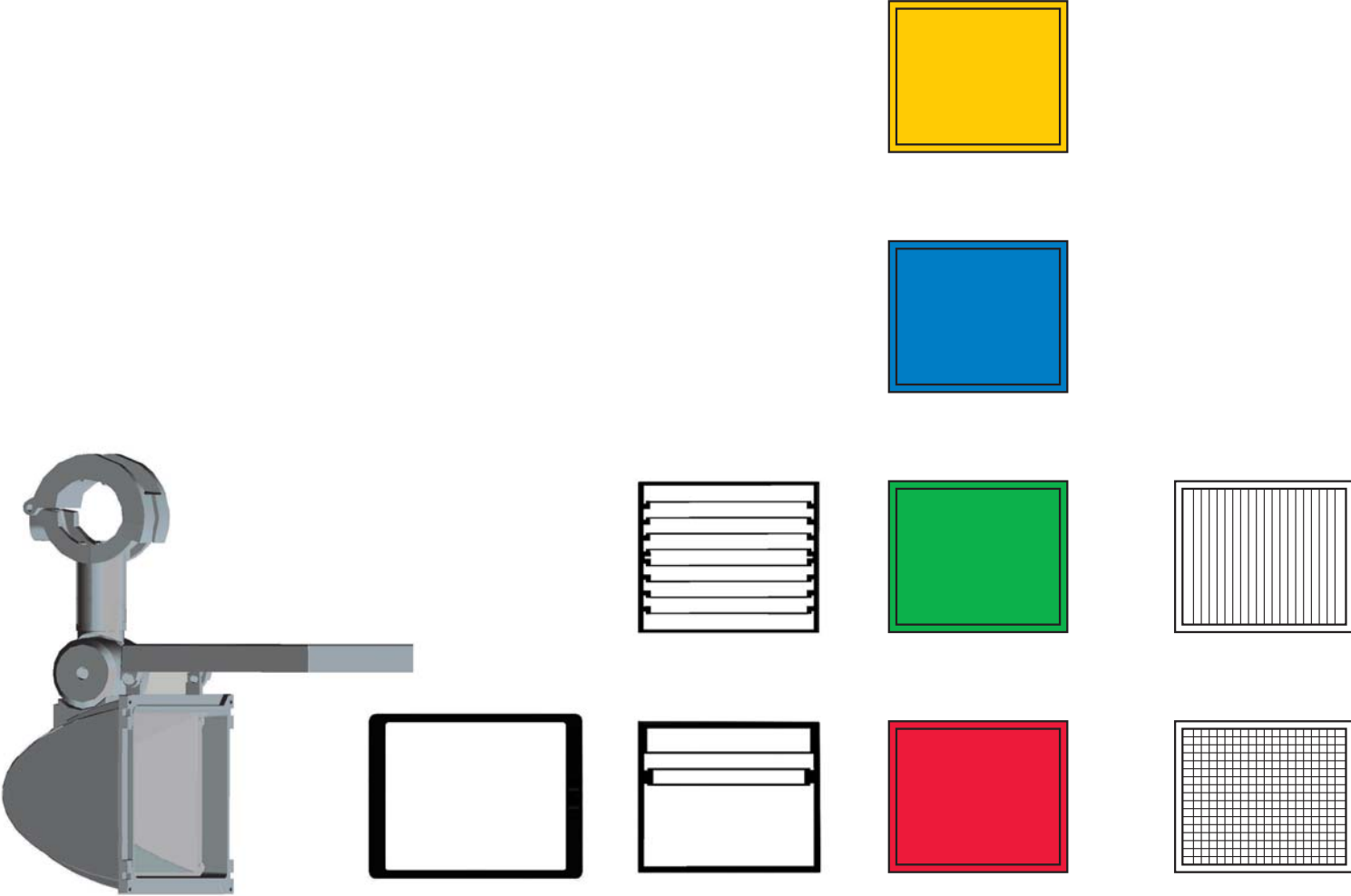
OPTICAL ACCESSORIES – FLB100 SERIES

Internal Accessories

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

External Accessories

One external accessory such as wire guard, glare shield, or barn doors.



Linear louver IL
Linear source shield IQ

Color filter

Linear spread lens IO-180
Flood lens IO-360

Internal Accessories:

Linear source shield IQ

for FLB141 [N] 675-8201

Linear louver IL

for FLB141 [W] [M] 675-8203

for FLB141 [N] 675-8202

Color filter IF**

	Red	Green	Blue	Yellow
for FLB141	675-8163	675-8162	675-8161	675-8164

Flood lens IO-360

for FLB141 [M] [N] 675-8102

Linear spread lens IO-180

for FLB141 [M] [N] 675-8101

External Accessories:

Wire guard EG

for FLB141 675-9201

Glare shield ES*

for FLB141 675-9202

Barn doors ED***

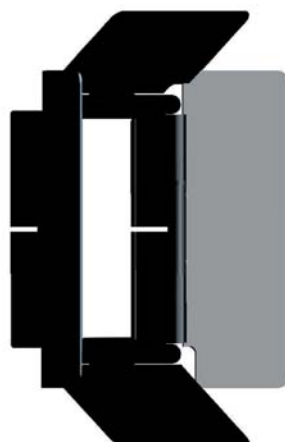
for FLB141 675-9204



Wire guard EG



Glare shield ES



Barn doors ED

* Matte black inside finish.

** Dichroic color filters, in conjunction with bi-symmetric or asymmetric reflectors, exhibit a pronounced 'rainbow effect'. If this is not desired or suitable for application, contact your local WE-EF representative for optional absorption color filters.

*** Matte black finish.

MOUNTING ACCESSORIES – RAIL66

For RAIL66 projectors and floodlights.

IP66. 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. Anodized aluminum extruded rail section with IP rated compact stainless steel power outlets. Power outlets are factory set at 14" to 18" apart. Factory-wired assembly. Powdercoat finish for support arms/wiring compartment. Specify finish.

RAIL66 UNIVERSAL		Power outlets	L1	L2	lbs
for (2) projectors or floodlights	662-9321	2	45.3	41.1	13.0
for (3) projectors or floodlights	662-9331	3	45.3	41.1	13.0
for (3) projectors or floodlights	662-9332	3	65.0	60.8	16.0
for (4) projectors or floodlights	662-9341	4	65.0	60.8	16.0
for (4) projectors or floodlights	662-9342	4	84.7	80.5	19.0
for (6) projectors or floodlights	662-9363	6	84.7	80.5	19.0

Suitable for installation to building surface in any desired orientation. Can be mounted to walls, under roof and ceiling structures.

Flat surface fitters (pair)		L	lbs
for RAIL66 surface fitters (pair)	662-9521	42.1/61.8/81.5	4.0

Optional flat surface fitters (pair) suitable to facilitate mounting UNIVERSAL RAIL over recessed junction box.

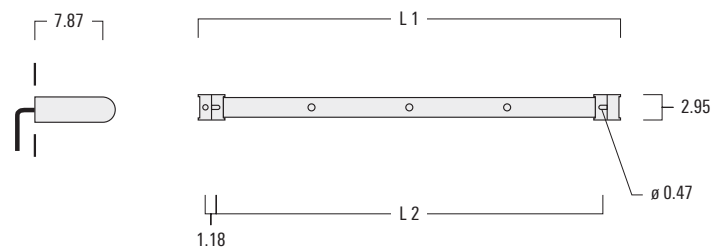
Column fitters (pair)		L	lbs
for RAIL66 column fitters (pair)	662-9522	43.9/63.6/83.3	2.0

Optional column fitters (pair) allow for installations of RAIL66 UNIVERSAL to round or tapered poles of min. of 4" diameter. Pole is required to be drilled and tapped (threaded) by electrical contractor to accept two 7/16" bolts at each end of column fitter (by electrical contractor).

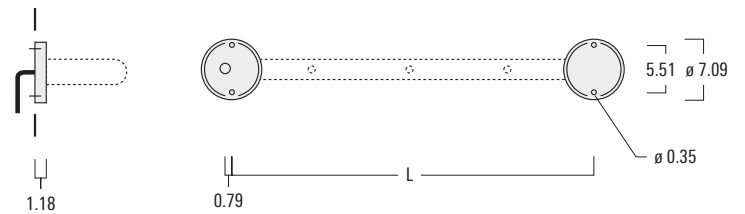
Ordering guide:

Specify 7 digit part ID together with finish.

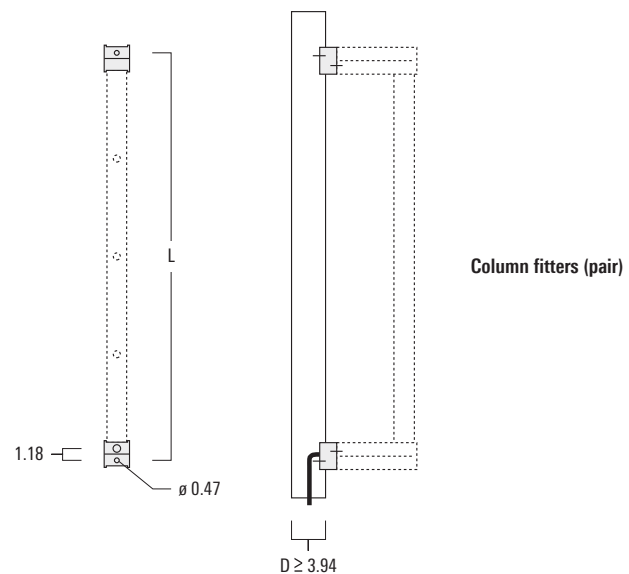
Example: **662-9321 – Black RAL 9004**



RAIL66 UNIVERSAL



Flat surface fitters (pair)



Column fitters (pair)

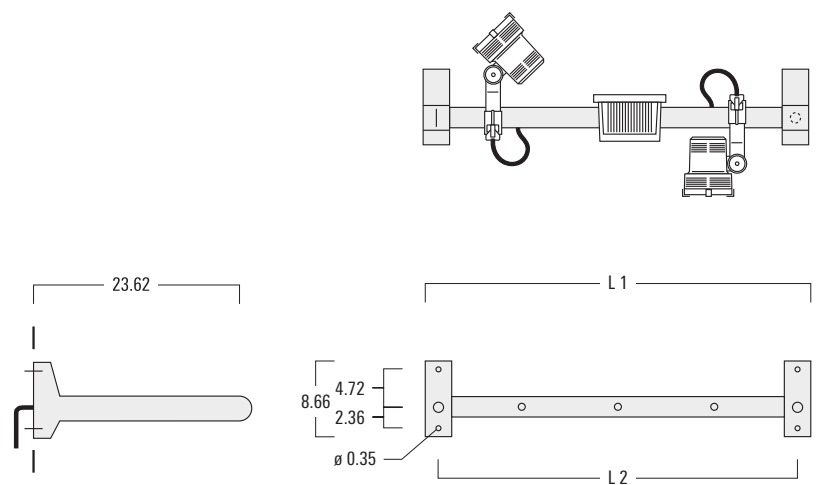
RAIL66 CANTILEVER		Power outlets	L1	L2	lbs
for (2) projectors or floodlights	662-9421	2	45.3	42.1	27.0
for (3) projectors or floodlights	662-9431	3	45.3	42.1	27.0
for (3) projectors or floodlights	662-9432	3	65.0	61.8	30.0
for (4) projectors or floodlights	662-9441	4	65.0	61.8	30.0
for (4) projectors or floodlights	662-9442	4	84.7	81.5	32.0
for (6) projectors or floodlights	662-9463	6	84.7	81.5	32.0

Suitable for installation to building surface for horizontal mounting. Particularly suited for facade lighting applications.

Ordering guide:

Specify 7 digit part ID together with finish.

Example: **662-9421 – Black RAL 9004**



RAIL66 CANTILEVER

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