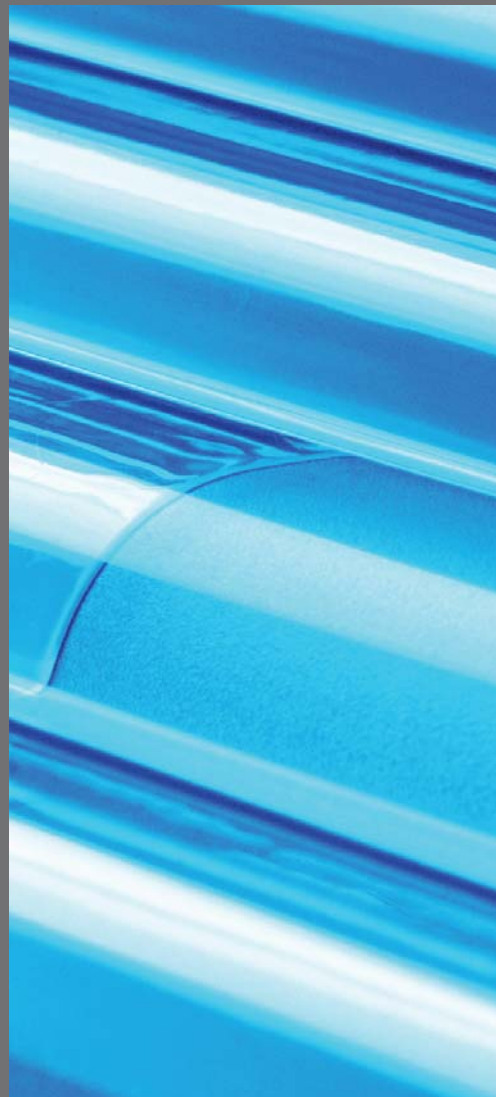


we-ef

WE-EF LIGHTING
North American Edition
2014-2016

Street and Area Lighting





RMC300 Series



230-233
RMC320
LED

234-235
Mounting accessories

RFL500-SE Series



236-239
RFL530-SE
RFL540-SE
LED

242-245
Mounting accessories

RFL500-SE Series



240-241
RFL530-SE
RFL540-SE
HID

242-245
Mounting accessories

246-247
Optical accessories
HID

RBL500 Series



248-249
RBL640
RBL660
HID

250-253
Mounting accessories

254-255
Optical accessories
HID

STREET AND AREA LIGHTING



PFL200 Series



256-259

PFL240

LED

260-261

Mounting accessories



PFL200 Series



262-265

PFL230

PFL240

PFL260

HID

266-273

Mounting accessories

274-275

Optical accessories

HID



VFL500 Series



276-279

VFL520

VFL530

VFL540

LED

280-281

Mounting accessories



VFL500-SE Series



282-285

VFL530-SE

VFL540-SE

LED

286-289

Mounting accessories



FLA400 Series



290-291

FLA441

FLA461

HID

292-293

Mounting accessories

294-295

Optical accessories

HID



NFL300 Series



296-297

NFL340

HID

298-299

Mounting accessories

300-301

Optical accessories

HID



WE-EF CONTROL

302-305

Basic

Advanced

Dynamic

Accessories

RMC300 SERIES

Post mounted luminaire. 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. Silicone rubber gasket. PMMA RFC® Reflection Free Contour technology.

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

Integral 10 kV surge protection SP10.

Integral [ECG] LED driver in 120 or 277 volt. Specify voltage.

Factory-installed LED circuit boards. LED boards can be easily removed for upgrading. CAD-optimized OLC® One LED Concept PMMA lens for superior illumination and glare control.

Recommended mounting height 10' to 16' depending on light source selected.

Luminaire is factory-wired and supplied with 20' of black, three conductor, flexible SEOW cord for power connection at pole-base hand hole. Specify other lengths if required.

Light source:

LED 18-36 W, 4000 K

(for 3000 K, refer to www.we-ef.com)

Beam distributions:

[S60] [S65] [S70] [A60] [R65]

Accessories:

■ Mounting, page 234

WE-EF Control:

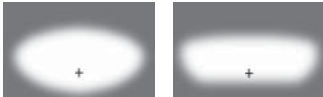
■ Energy-saving options, page 302-305

UL, cUL:

■ Suitable for wet locations

International Dark-Sky Association approved.





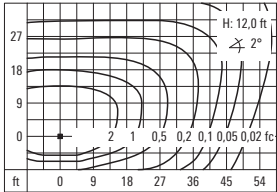
[S60] [S65]

IOS Innovative Optical System:
[S60] Type III 'side throw' streetlighting distribution
[S65] Type III 'side throw' streetlighting distribution

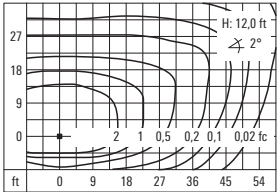
Ordering guide:
Specify 7 digit part ID together with voltage and finish
(brackets and poles must be ordered separately).
Example: 659-5321 – 120 V – Black RAL 9004

[S60]	Part ID	Light source	K	lm*	Factor**	lbs
RMC320	659-5321	18 LED 18W/350 mA	4000	2268	0.57	16.5
	659-5324	18 LED 36W/700 mA	4000	4147	1.00	16.5

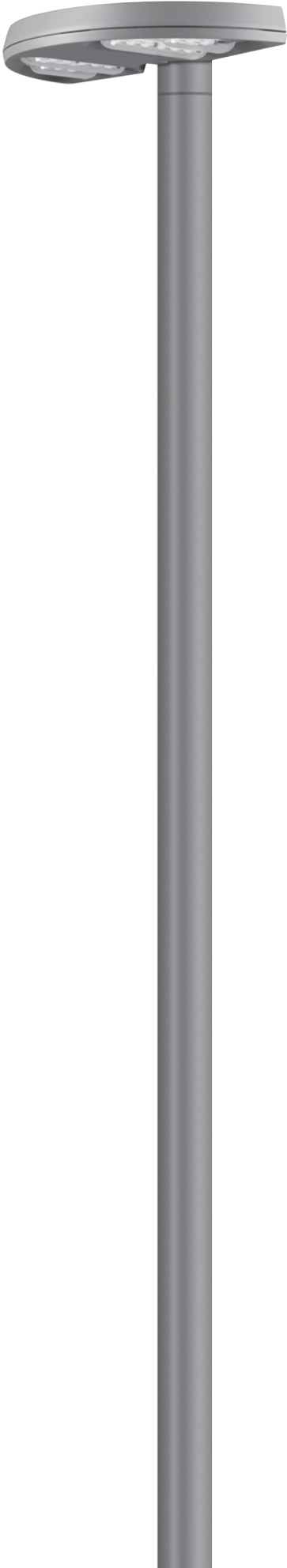
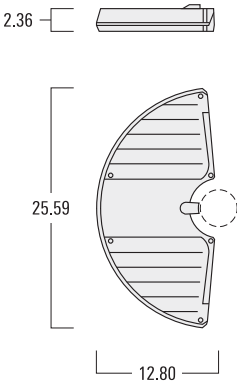
[S65]	Part ID	Light source	K	lm*	Factor**	lbs
RMC320	659-5121	18 LED 18W/350 mA	4000	2268	0.57	16.5
	659-5124	18 LED 36W/700 mA	4000	4147	1.00	16.5



[S60]



[S65]



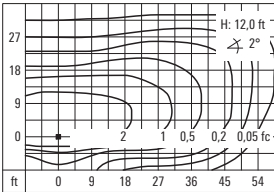
* Nominal lumen output based on LED manufacturers data at 85°C T_j. For rated lumens at 25°C T_a and latest data, refer to www.we-ef.com.
** Multiplier for footcandle value.



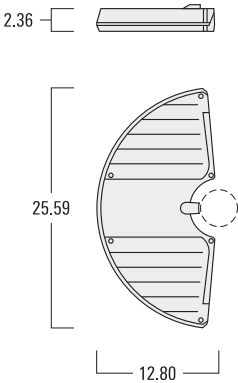
IOS Innovative Optical System:
[S70] Type II 'side throw' streetlighting distribution

Ordering guide:
Specify 7 digit part ID together with voltage and finish
(brackets and poles must be ordered separately).
Example: **659-5521 – 120 V – Black RAL 9004**

[S70]	Part ID	Light source	K	lm*	Factor**	lbs
RMC320	659-5221	18 LED 18W/350 mA	4000	2268	0.57	16.5
	659-5224	18 LED 36W/700 mA	4000	4147	1.00	16.5



[S70]



* 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 footcandle value.



[A60]

[R65]

IOS Innovative Optical System:

[A60] Type IV asymmetric 'forward throw' distribution

[R65] Type IV rectangular 'forward throw' distribution

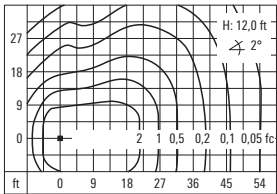
Ordering guide:

Specify 7 digit part ID together with voltage and finish
(brackets and poles must be ordered separately).

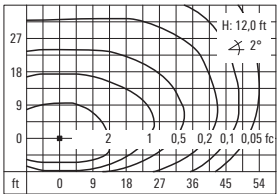
Example: 659-5421 – 120 V – Black RAL 9004

[A60]	Part ID	Light source	K	lm*	Factor**	lbs
RMC320	659-5421	18 LED 18W/350 mA	4000	2268	0.57	16.5
	659-5424	18 LED 36W/700 mA	4000	4147	1.00	16.5

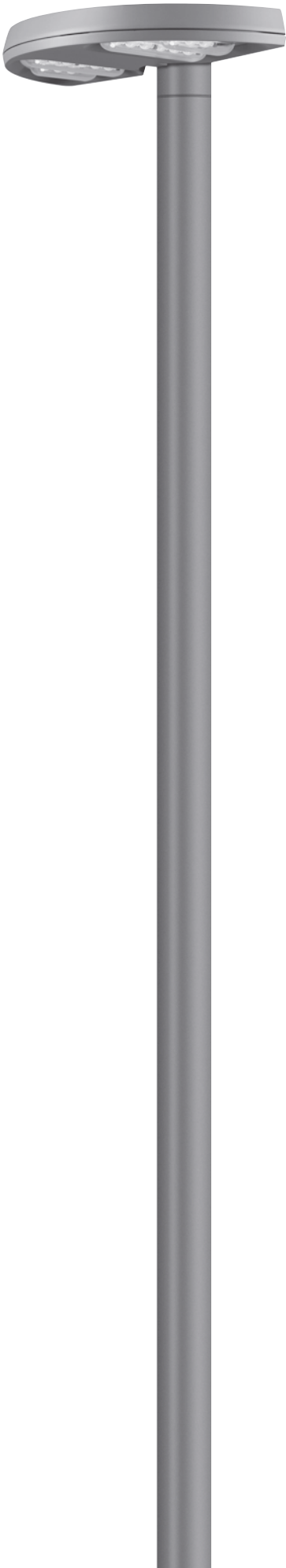
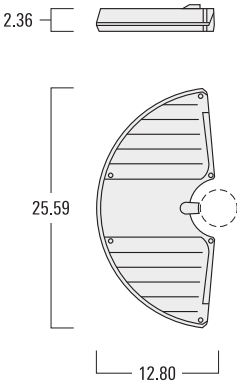
[R65]	Part ID	Light source	K	lm*	Factor**	lbs
RMC320	659-5521	18 LED 18W/350 mA	4000	2268	0.57	16.5
	659-5524	18 LED 36W/700 mA	4000	4147	1.00	16.5



[A60]



[R65]



* 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.

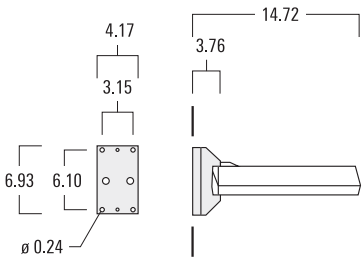
** Multiplier for footcandle value.

MOUNTING ACCESSORIES – RMC300 SERIES

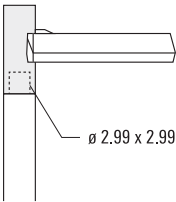
Wall and pole brackets. Marine-grade, die-cast aluminum alloy. Powdercoat finish in black RAL 9004, grey metallic RAL 9007 or white RAL 9016. Specify finish. Consult WE-EF color chart for other options.

Wall bracket				lbs
for RMC320	659-9351	RM1-W		2.9
Single bracket				lbs
for RMC320	659-9352	RM1-76	OD 4"	2.2
Double bracket				lbs
for RMC320	659-9353	RM2-76	OD 4"	2.2
Short bracket – Galvanized steel. For lateral mounting on a pole.				lbs
for RMC320	659-9350	RM1-S		1.3

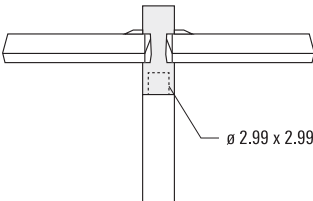
Ordering guide:
Specify 7 digit part ID together with finish (luminaires and poles must be ordered separately).
Example: **659-9351 – Black RAL 9004**



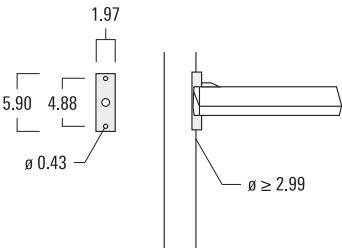
Wall bracket RM1-W



Single bracket RM1-76



Double bracket RM2-76



Short bracket RM1-S



RFL500-SE SERIES

Side entry luminaire. 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. Non-reflecting tempered glass lens. Hinged lens frame with 'no-tool' access. Silicone rubber gasket.

Integral 10 kV surge protection SP10.

Integral [ECG] LED driver in 120 or 277 volt. Specify voltage.

Factory-installed LED circuit boards. LED boards can be easily removed for upgrading. CAD-optimized OLC® One LED Concept PMMA lens for superior illumination and glare control.

Recommended mounting height 8' to 30' depending on light source selected.

Luminaire is factory-wired and supplied with 30' of black, three conductor, flexible SEOW cord for power connection at pole-base hand hole. Specify other lengths if required.

Light source:

LED 12-96 W, 4000 K
(for 3000 K, refer to www.we-ef.com)

Beam distributions:

[S60] [S65] [S70] [A60] [R65]

Accessories:

■ Mounting, page 242-245

WE-EF Control:

■ Energy-saving options, page 302-305

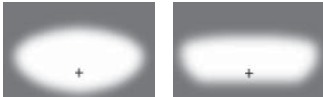
UL, cUL:

■ suitable for wet locations

International Dark-Sky Association approved.



Strassenbeleuchtung Lenneuer. Altena (D). Architect: ASS Architektur, Stadplanung. Lighting design: Stelter Ing.-Buero.



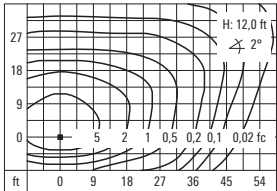
[S60] [S65]

IOS Innovative Optical System:
[S60] Type III 'side throw' streetlighting distribution
[S65] Type III 'side throw' streetlighting distribution

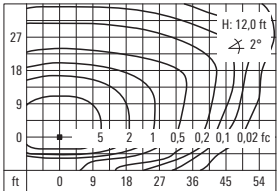
Ordering guide:
Specify 7 digit part ID together with voltage and finish
(brackets and poles must be ordered separately).
Example: 661-1323 – 120 V – Black RAL 9004

[S60]	Part ID	Light source	K	lm*	Factor**	lbs
RFL530-SE	661-1323	12 LED 12W/350 mA	4000	1512	0.29	21.0
	661-1321	12 LED 24W/700 mA	4000	2765	0.50	21.0
	661-1324	24 LED 24W/350 mA	4000	3024	0.58	21.0
	661-1322	24 LED 48W/700 mA	4000	5530	1.00	21.0
RFL540-SE	661-2323	36 LED 36W/350 mA	4000	4536	0.86	33.0
	661-2321	36 LED 72W/700 mA	4000	8294	1.50	33.0
	661-2324	48 LED 48W/350 mA	4000	6048	1.15	33.0
	661-2322	48 LED 96W/700 mA	4000	11059	2.00	33.0

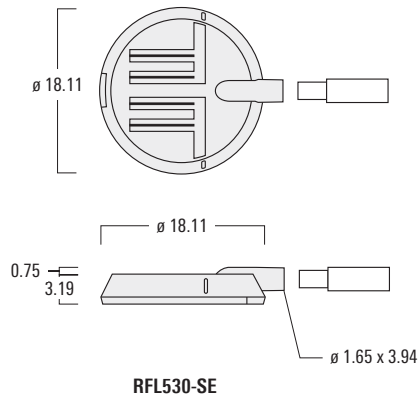
[S65]	Part ID	Light source	K	lm*	Factor**	lbs
RFL530-SE	661-1123	12 LED 12W/350 mA	4000	1512	0.29	21.0
	661-1121	12 LED 24W/700 mA	4000	2765	0.50	21.0
	661-1124	24 LED 24W/350 mA	4000	3024	0.58	21.0
	661-1122	24 LED 48W/700 mA	4000	5530	1.00	21.0
RFL540-SE	661-2123	36 LED 36W/350 mA	4000	4536	0.86	33.0
	661-2121	36 LED 72W/700 mA	4000	8294	1.50	33.0
	661-2124	48 LED 48W/350 mA	4000	6048	1.15	33.0
	661-2122	48 LED 96W/700 mA	4000	11059	2.00	33.0



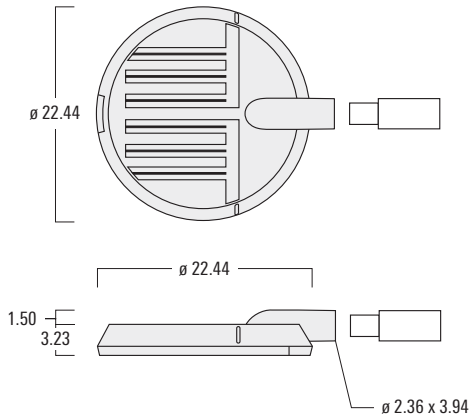
[S60]



[S65]



RFL530-SE



RFL540-SE

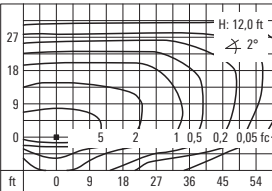
* Nominal lumen output based on LED manufacturers data at 85°C T_j. For rated lumens at 25°C T_a and latest data, refer to www.we-ef.com.
** Multiplier for footcandle value.



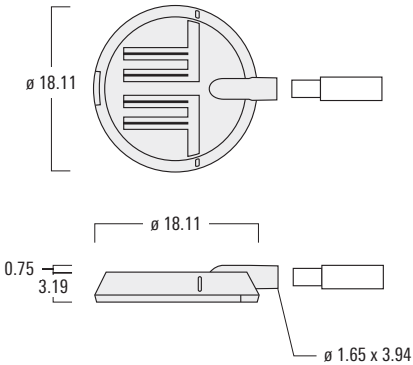
IOS Innovative Optical System:
[S70] Type II 'side throw' streetlighting distribution

Ordering guide:
Specify 7 digit part ID together with voltage and finish
(brackets and poles must be ordered separately).
Example: 661-1342 – 120 V – Black RAL 9004

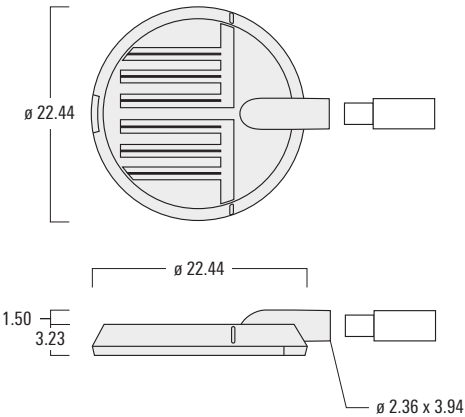
[S70]	Part ID	Light source	K	lm*	Factor**	lbs
RFL530-SE	661-1342	12 LED 12W/350 mA	4000	1512	0.29	21.0
	661-1340	12 LED 24W/700 mA	4000	2765	0.50	21.0
	661-1343	24 LED 24W/350 mA	4000	3024	0.58	21.0
	661-1341	24 LED 48W/700 mA	4000	5530	1.00	21.0
RFL540-SE	661-2332	36 LED 36W/350 mA	4000	4536	0.86	33.0
	661-2330	36 LED 72W/700 mA	4000	8294	1.50	33.0
	661-2333	48 LED 48W/350 mA	4000	6048	1.15	33.0
	661-2331	48 LED 96W/700 mA	4000	11059	2.00	33.0



[S70]



RFL530-SE



RFL540-SE

* 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.



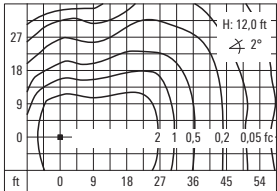
[A60] [R65]

IOS Innovative Optical System:
[A60] Type IV asymmetric 'forward throw' distribution
[R65] Type IV rectangular 'forward throw' distribution

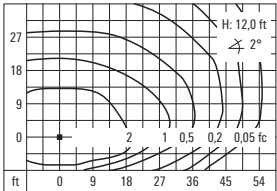
Ordering guide:
Specify 7 digit part ID together with voltage and finish
(brackets and poles must be ordered separately).
Example: 661-1433 – 120 V – Black RAL 9004

[A60]	Part ID	Light source	K	lm*	Factor**	lbs
RFL530-SE	661-1433	12 LED 12W/350 mA	4000	1512	0.29	21.0
	661-1431	12 LED 24W/700 mA	4000	2765	0.50	21.0
	661-1434	24 LED 24W/350 mA	4000	3024	0.58	21.0
	661-1432	24 LED 48W/700 mA	4000	5530	1.00	21.0
RFL540-SE	661-2423	36 LED 36W/350 mA	4000	4536	0.86	33.0
	661-2421	36 LED 72W/700 mA	4000	8294	1.50	33.0
	661-2424	48 LED 48W/350 mA	4000	6048	1.15	33.0
	661-2422	48 LED 96W/700 mA	4000	11059	2.00	33.0

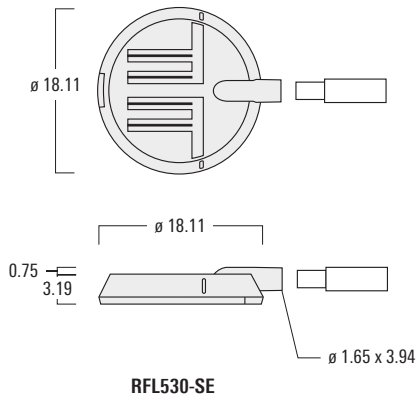
[R65]	Part ID	Light source	K	lm*	Factor**	lbs
RFL530-SE	661-1533	12 LED 12W/350 mA	4000	1512	0.29	21.0
	661-1531	12 LED 24W/700 mA	4000	2765	0.50	21.0
	661-1534	24 LED 24W/350 mA	4000	3024	0.58	21.0
	661-1532	24 LED 48W/700 mA	4000	5530	1.00	21.0
RFL540-SE	661-2523	36 LED 36W/350 mA	4000	4536	0.86	33.0
	661-2521	36 LED 72W/700 mA	4000	8294	1.50	33.0
	661-2524	48 LED 48W/350 mA	4000	6048	1.15	33.0
	661-2522	48 LED 96W/700 mA	4000	11059	2.00	33.0



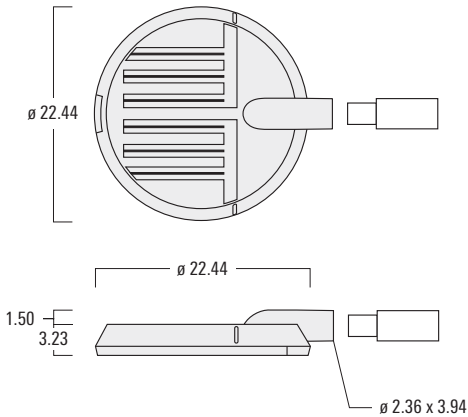
[A60]



[R65]



RFL530-SE



RFL540-SE

* 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.

RFL500-SE SERIES

Side entry luminaire. 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. Tempered glass lens. Hinged lens frame with 'no-tool' access. Anodized aluminum reflector. Silicone rubber gasket.

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

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

Specify voltage where applicable.

Recommended mounting height 8' to 30' depending on light source selected.

Luminaire is factory-wired and supplied with 30' of black, three conductor, flexible SEOW cord for power connection at pole-base hand hole. Specify other lengths if required.

Light source:

CMH 20-150 W

COSMOPOLIS 60-140 W

Beam distributions:

[S60] [A60]

Accessories:

■ Mounting, page 242-245

■ Optical, page 246

UL, cUL:

■ Suitable for wet locations

International Dark-Sky Association approved.



Place de Marche. La Chaux-de-Fonds (CH). Planning & Distribution: Regent Beleuchtungskörper.



[S60]

[A60]

IOS Innovative Optical System:

[S60] Type III 'side throw' streetlighting distribution

[A60] Type IV asymmetric 'forward throw' distribution

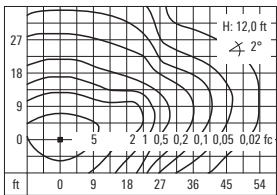
Ordering guide:

Specify 7 digit part ID together with voltage and finish
(brackets and poles must be ordered separately).

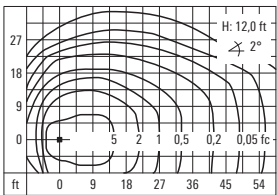
Example: **661-1352 – 120 V – Black RAL 9004**

[S60]	Part ID	Light source	lm	Factor*	lbs
RFL530-SE	661-1352	CPO-T60/PGZ12 base	6900	1.05	21.0
	661-1355	CMH20/T-6/G-12 base	1600	0.24	21.0
	661-1353	CMH39/T-6/G-12 base	3300	0.50	21.0
	661-1354	CMH70/T-6/G-12 base	6600	1.00	21.0
RFL540-SE	661-2351	CPO-T90/PGZ12 base	10450	1.58	27.0
	661-2352	CPO-T140/PGZ12 base	16500	2.50	28.0
	661-2353	CMH70/T-6/G-12 base	6600	1.00	25.0
	661-2354	CMH150/T-6/G-12 base	14000	2.12	25.0
	661-2341	CMH100/ED17 clear/medium base	9500	1.44	25.0
	661-2342	CMH150/ED17 clear/medium base	14000	2.12	25.0

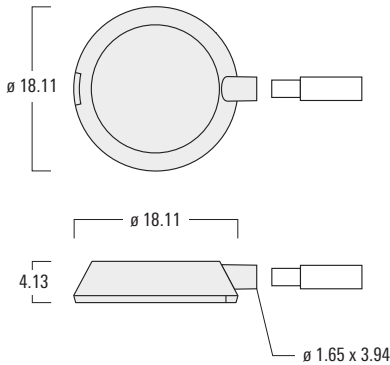
[A60]	Part ID	Light source	lm*	Factor*	lbs
RFL530-SE	661-1452	CPO-T60/PGZ12 base	6900	1.05	21.0
	661-1455	CMH20/T-6/G-12 base	1600	0.24	21.0
	661-1453	CMH39/T-6/G-12 base	3300	0.50	21.0
	661-1454	CMH70/T-6/G-12 base	6600	1.00	21.0
RFL540-SE	661-2451	CPO-T90/PGZ12 base	10450	1.58	27.0
	661-2452	CPO-T140/PGZ12 base	16500	2.50	28.0
	661-2453	CMH70/T-6/G-12 base	6600	1.00	25.0
	661-2454	CMH150/T-6/G-12 base	14000	2.12	25.0
	661-2441	CMH100/ED17 clear/medium base	9500	1.44	25.0
	661-2442	CMH150/ED17 clear/medium base	14000	2.12	25.0



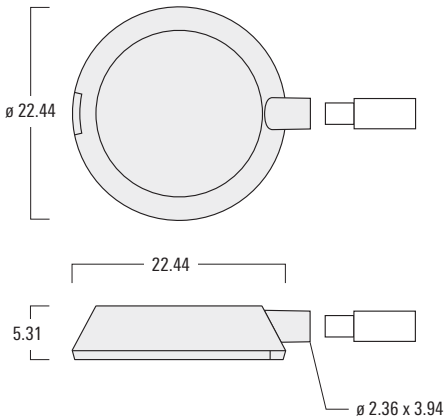
[S60]



[A60]



RFL530-SE



RFL540-SE

* Multiplier for footcandle value.

MOUNTING ACCESSORIES – RFL500-SE SERIES

Wall and pole brackets. Marine-grade, die-cast aluminum alloy. Powdercoat finish in black RAL 9004, grey metallic RAL 9007 or white RAL 9016. Specify finish. Consult WE-EF color chart for other options.

Wall brackets – RE-530/RE-540			D/D1	C	lbs
for RFL530-SE	661-9300	RE0-530	9.06/7.68	4.72	6.0
for RFL540-SE	661-9303	RE0-540	9.06/7.68	5.51	8.0

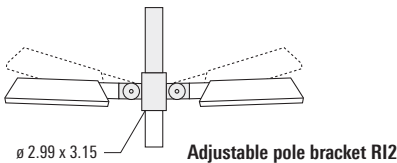
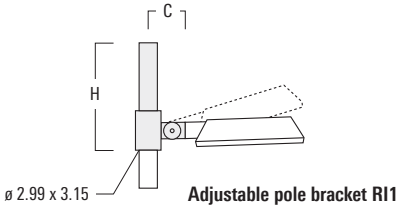
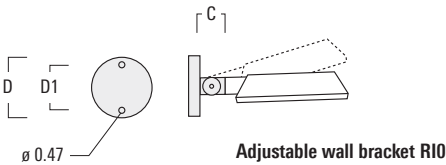
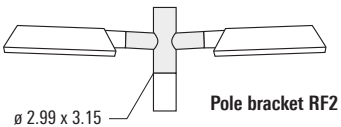
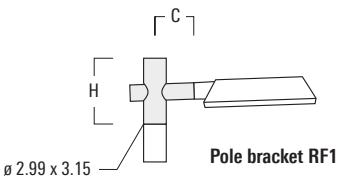
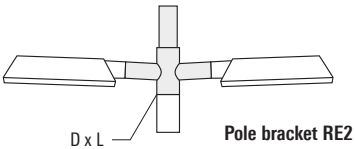
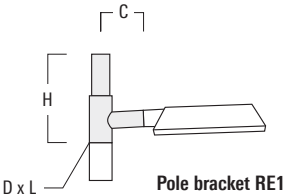
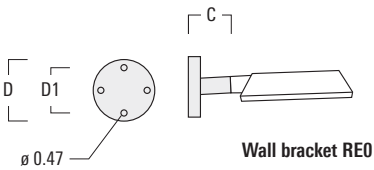
Pole brackets – RE-530/RE-540			D x L	H	C	lbs
for (1) RFL530-SE	661-9301	RE1-530	ø 3 x 3.15 long	15.75	7.09	7.0
for (1) RFL540-SE	661-9304	RE1-540	ø 3 x 5.12 long	21.65	7.87	10.0
for (2) RFL530-SE	661-9302	RE2-530	ø 3 x 3.15 long	15.75	7.09	8.0
for (2) RFL540-SE	661-9305	RE2-540	ø 3 x 5.12 long	21.65	7.87	12.0

Pole brackets – RF-530/RF-540			D x L	H	C	lbs
for (1) RFL530-SE	661-9311	RF1-530	ø 3 x 3.15 long	10.83	7.48	5.1
for (1) RFL540-SE	661-9313	RF1-540	ø 3 x 3.15 long	11.81	7.87	5.7
for (2) RFL530-SE	661-9312	RF2-530	ø 3 x 3.15 long	10.83	7.48	6.6
for (2) RFL540-SE	661-9314	RF2-540	ø 3 x 3.15 long	11.81	7.87	7.3

Adjustable wall brackets – RI-530/RI-540			D/D1	C	lbs
for RFL530-SE	661-9320	RI0-530	9.06/7.68	7.68	7.0
for RFL540-SE	661-9323	RI0-540	9.06/7.68	7.87	8.0

Adjustable Pole brackets – RI-530/RI-540			D x L	H	C	lbs
for (1) RFL530-SE	661-9321	RI1-530	ø 3 x 3.15 long	18.70	7.68	10.0
for (1) RFL540-SE	661-9324	RI1-540	ø 3 x 3.15 long	20.67	7.87	12.0
for (2) RFL530-SE	661-9322	RI2-530	ø 3 x 3.15 long	18.70	7.68	13.0
for (2) RFL540-SE	661-9325	RI2-540	ø 3 x 3.15 long	20.67	7.87	14.0

Ordering guide:
Specify 7 digit part ID together with finish (luminaires and poles must be ordered separately).
Example: **661-9300 – Black RAL 9004**





MOUNTING ACCESSORIES – RFL500-SE SERIES

Wall and pole brackets. Marine-grade, die-cast aluminum alloy. Powdercoat finish in black RAL 9004, grey metallic RAL 9007 or white RAL 9016. Specify finish. Consult WE-EF color chart for other options.

Wall brackets – RX-530/RX-540			H/H1	C	lbs
for RFL530-SE	661-9330	RX0-530	13.78/11.22	27.95	8.0
for RFL540-SE	661-9333	RX0-540	17.72/15.16	39.37	12.0

Pole brackets – RX-530/RX-540			D x L	H	C	lbs
for (1) RFL530-SE	661-9331	RX1-530	ø 3 x 3.15 long	15.75	27.95	10.0
for (1) RFL540-SE	661-9334	RX1-540	ø 3 x 5.12 long	21.65	39.37	15.0
for (2) RFL530-SE	661-9332	RX2-530	ø 3 x 3.15 long	15.75	27.95	14.0
for (2) RFL540-SE	661-9335	RX2-540	ø 3 x 5.12 long	21.65	39.37	22.0

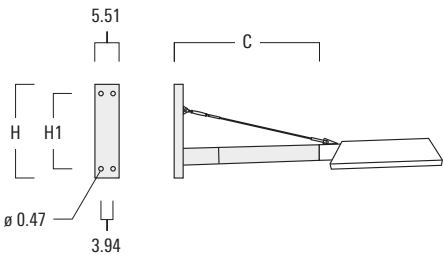
Adjustable pole clamps – SI-530/SI-540			Pole diameter (D)*	C	lbs
for (1) RFL530-SE	661-9340	SI1-530	(ø 3.0-3.50)	7.68	7.0
for (1) RFL530-SE	661-9341	SI1-530	(ø 4.0-4.50)	7.68	8.0
for (1) RFL530-SE	661-9342	SI1-530	(ø 4.50-5.25)	7.68	9.0
for (1) RFL540-SE	661-9346	SI1-540	(ø 3.0-3.50)	7.68	11.0
for (1) RFL540-SE	661-9347	SI1-540	(ø 4.0-4.50)	7.68	12.0
for (1) RFL540-SE	661-9348	SI1-540	(ø 4.50-5.25)	7.68	14.0
for (2) RFL530-SE	661-9343	SI2-530	(ø 3.0-3.50)	7.68	9.0
for (2) RFL530-SE	661-9344	SI2-530	(ø 4.0-4.50)	7.68	11.0
for (2) RFL530-SE	661-9345	SI2-530	(ø 4.50-5.25)	7.68	12.0
for (2) RFL540-SE	661-9349	SI2-540	(ø 3.0-3.50)	7.68	16.0
for (2) RFL540-SE	661-9350	SI2-540	(ø 4.0-4.50)	7.68	17.0
for (2) RFL540-SE	661-9351	SI2-540	(ø 4.50-5.25)	7.68	18.0

Tilt brackets – TB**			L	D1	D2	Angle	lbs
for RFL530-SE	661-9337	TB-530.42.10	8.07	ø 1.65 x 3.54	ø 1.65 x 3.94	7°	1.1
for RFL530-SE	661-9338	TB-530.42.15	8.07	ø 1.65 x 3.54	ø 1.65 x 3.94	13°	1.1
for RFL540-SE	661-9316	TB-540.60.10	8.07	ø 2.36 x 3.54	ø 2.36 x 3.94	7°	1.5
for RFL540-SE	661-9317	TB-540.60.15	8.07	ø 2.36 x 3.54	ø 2.36 x 3.94	13°	1.5

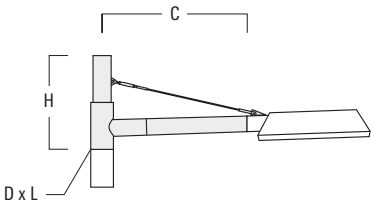
Ordering guide:

Specify 7 digit part ID together with finish (post top luminaires and poles must be ordered separately).

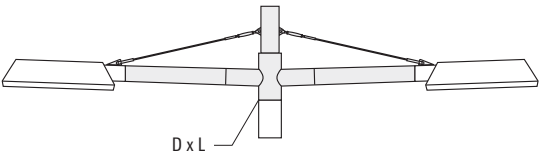
Example: 661-9330 – Black RAL 9004



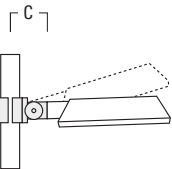
Wall bracket RX0



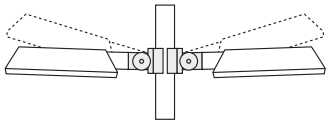
Pole bracket RX1



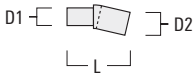
Pole bracket RX2



Adjustable pole clamp SI1



Adjustable pole clamp SI2



Tilt bracket TB

* Pole diameter. Check pole diameter prior to ordering pole clamps (pole structural limitations must be considered).

** For adjusting luminaire angle to adapt to davit arm.



Place du marché, La Chaux-de-Fonds. (CH). Architect: Viteos SA. Lighting design: Regent Lighting SA.

OPTICAL ACCESSORIES – RFL500-SE SERIES

One internal optical accessory such as house-side shield or internal louver.

House-side shield – For [S60] type III 'side throw' streetlighting distribution.

for RFL530 HID [S60]	661-8201
for RFL540 HID [S60]	661-8202

House-side shield – For [A60] type IV 'forward throw' distribution.

for RFL530 HID [A60]	661-8203
for RFL540 HID [A60]	661-8204

Internal louver – For [A60] type IV 'forward throw' distribution (sidewards cut-off shielding).

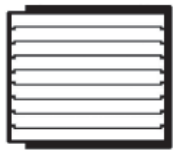
for RFL530 HID [A60]	661-8205
for RFL540 HID [A60]	661-8206



House-side shield [S60]



House-side shield [A60]



Internal louver [A60]



RBL600 SERIES

Post mounted luminaire. 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. Hinged lens frame with 'no-tool' access. Anodized aluminum reflector. Silicone rubber gasket.

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

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

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

Specify voltage where applicable.

Poles and mounting brackets (to be ordered separately).

Recommended mounting height 8' to 30' depending on light source selected.

Luminaire is factory-wired and supplied with 30' of black, three conductor, flexible SEOW cord for power connection at pole-base hand hole. Specify other lengths if required.

Light source:

CMH 70-150 W

COSMOPOLIS 90-140 W

PSMH 250 W

Beam distributions:

[S60] [A60]

Accessories:

■ Mounting, page 250-253

■ Optical, page 254

UL, cUL:

■ Suitable for wet locations

International Dark-Sky Association approved.



Ville de Dardilly (F). Lighting design: Cobalt.



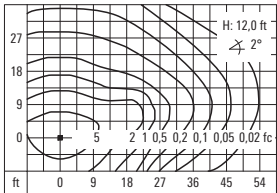
[S60] [A60]

IOS Innovative Optical System:
[S60] Type III 'side throw' streetlighting distribution
[A60] Type IV asymmetric 'forward throw' distribution

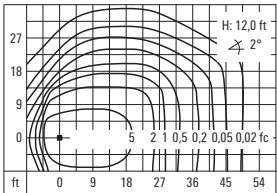
Ordering guide:
Specify 7 digit part ID together with voltage and finish
(brackets and poles must be ordered separately).
Example: 659-3390 – 120 V – Black RAL 9004

[S60]	Part ID	Light source	lm	Factor*	lbs
RBL640	659-3390	CPO-T90/PGZ12 base	10450	1.58	28.0
	659-3391	CPO-T140/PGZ12 base	16500	2.50	29.0
	659-3350	CMH70/T-6/G-12 base	6600	1.00	25.0
	659-3351	CMH150/T-6/G-12 base	14000	2.12	28.0
	659-3340	CMH100/ED17 clear/medium base	9500	1.44	27.0
RBL660	659-3341	CMH150/ED17 clear/medium base	14000	2.12	27.0
	659-4340	CMH100/ED17 clear/medium base	9500	1.44	47.0
	659-4342	CMH150/ED17 clear/medium base	14000	2.12	47.0
	659-4344	PSMH250/ED28 HOR clear/mogul base	22000	3.33	47.0

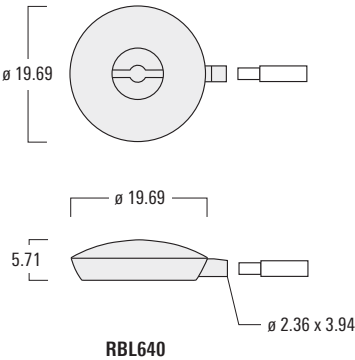
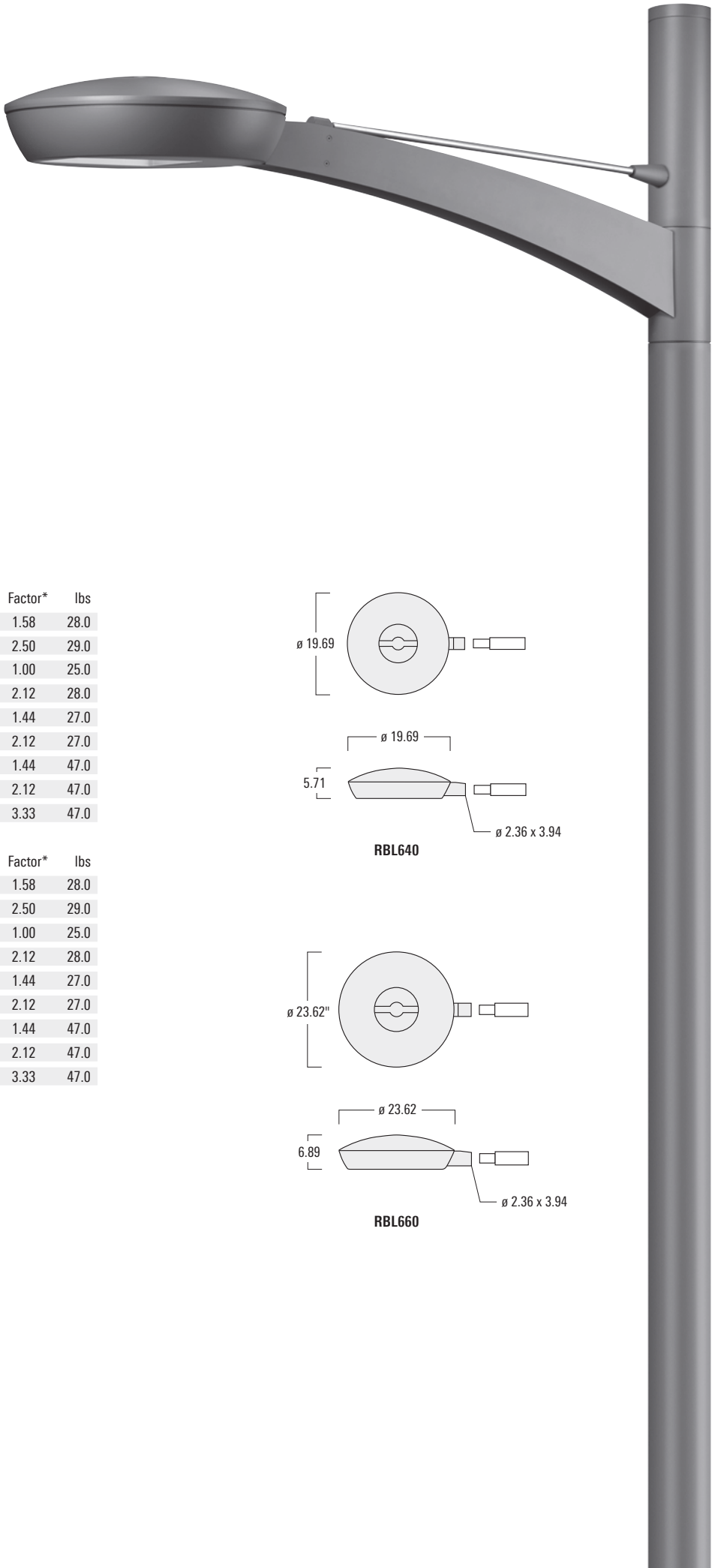
[A60]	Part ID	Light source	lm	Factor*	lbs
RBL640	659-3490	CPO-T90/PGZ12 base	10450	1.58	28.0
	659-3491	CPO-T140/PGZ12 base	16500	2.50	29.0
	659-3450	CMH70/T-6/G-12 base	6600	1.00	25.0
	659-3451	CMH150/T-6/G-12 base	14000	2.12	28.0
	659-3440	CMH100/ED17 clear/medium base	9500	1.44	27.0
RBL660	659-3441	CMH150/ED17 clear/medium base	14000	2.12	27.0
	659-4440	CMH100/ED17 clear/medium base	9500	1.44	47.0
	659-4442	CMH150/ED17 clear/medium base	14000	2.12	47.0
	659-4444	PSMH250/ED28 HOR clear/mogul base	22000	3.33	47.0



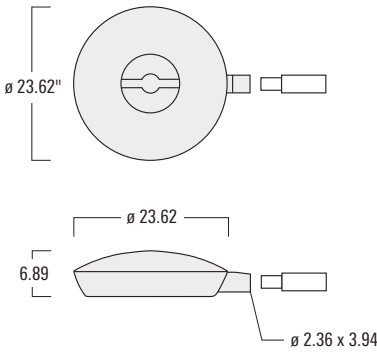
[S60]



[A60]



RBL640



RBL660

* Multiplier for footcandle value.

MOUNTING ACCESSORIES – RBL600 SERIES

Wall and pole brackets. Marine-grade, aluminum construction. Aluminum/wooden brackets constructed from mahogany impregnated hardwood. Powdercoat finish in black RAL 9004, grey metallic RAL 9007 or white RAL 9016. Specify finish. Consult WE-EF color chart for other options.

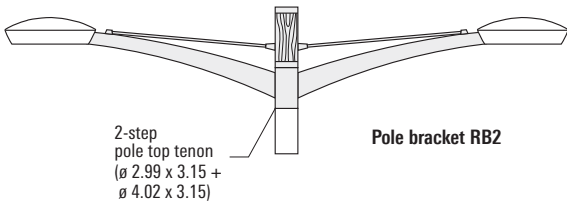
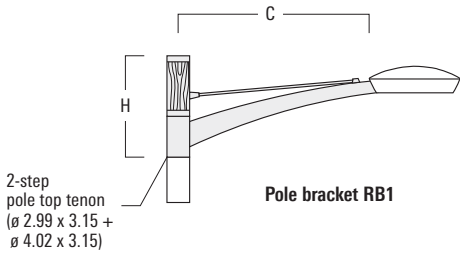
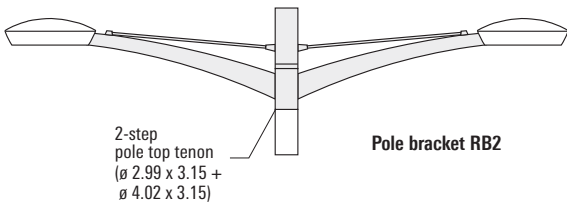
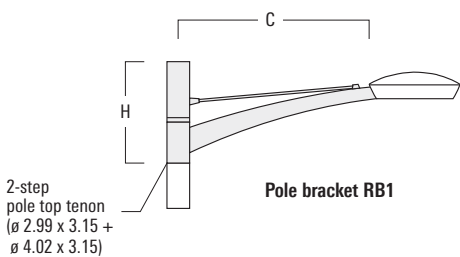
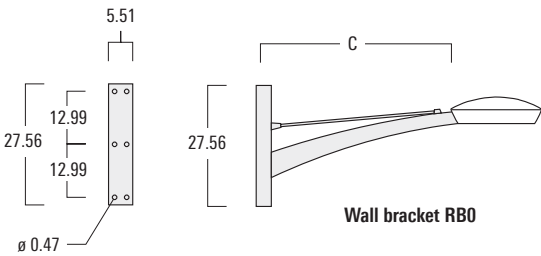
Aluminum wall brackets – RB-640/RB-660				C	lbs
for RBL640	659-9300	RB0-640		39.37	20.0
for RBL660	659-9309	RB0-660		49.21	29.0

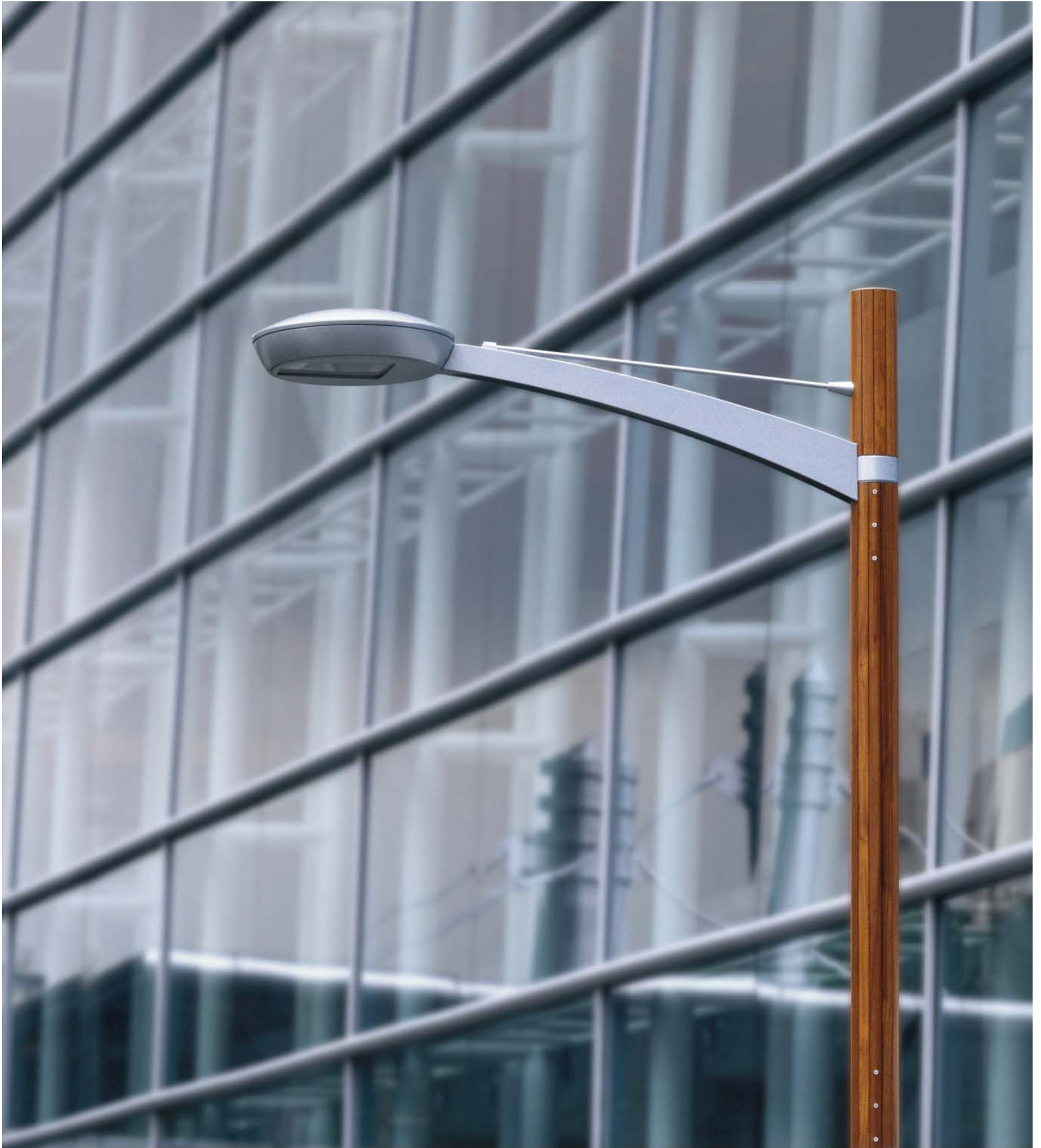
Aluminum pole brackets – RB-640/RB-660				H	C	lbs
for (1) RBL640	659-9301	RB1-640		29.5	39.37	29.0
for (1) RBL660	659-9310	RB1-660		29.5	51.18	40.0
for (2) RBL640	659-9302	RB2-640		29.5	39.37	42.0
for (2) RBL660	659-9311	RB2-660		29.5	51.18	56.0

Wooden pole brackets – RB-640/RB-660				Wood	H	C	lbs
for (1) RBL640	659-9305	RB1-640-MA		Mahogany	29.5	39.37	36.0
for (1) RBL660	659-9314	RB1-660-MA		Mahogany	29.5	51.18	40.0
for (2) RBL640	659-9306	RB2-640-MA		Mahogany	29.5	39.37	49.0
for (2) RBL660	659-9315	RB2-660-MA		Mahogany	29.5	51.18	56.0

All RB1-640/660 and RB2-640/660 post top brackets accept a 2-step pole top tenon:
ø 3" x 3.15" + ø 4" x 3.15"

Ordering guide:
Specify 7 digit part ID together with finish (luminaires and poles must be ordered separately).
Example: 659-9300 – Black RAL 9004





MOUNTING ACCESSORIES – RBL600 SERIES

Wall and pole brackets. Marine-grade, aluminum construction. Powdercoat finish in black RAL 9004, grey metallic RAL 9007 or white RAL 9016. Specify finish. Consult WE-EF color chart for other options.

Adjustable aluminum wall brackets – RC-640/RC-660			C	lbs
for RBL640/660	659-9330	RC0-640/660	9.25	7.0

Adjustable aluminum pole brackets – RC-640/RC-660			H	C	lbs
for (1) RBL640/660	659-9331	RC1-640/660	20.67	11.02	22.0
for (2) RBL640/660	659-9332	RC2-640/660	20.67	11.02	26.0

Vertical aiming in increments of 2°/5°/10°/15°. All RC1-640/660, and RC2-640/660 post top brackets accept a 2-step pole top tenon: ø 3" x 3.15" + ø 4" x 3.15"

Fixed aluminum wall brackets – SH-640/SH-660				lbs
for RBL640/660	659-9340	SH0-640-660		7.0

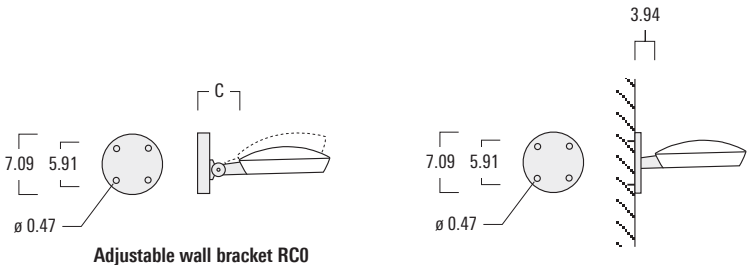
Fixed aluminum pole brackets – SH-640/SH-660				lbs
for (1) RBL640/660	659-9341	SH1-640/660		22.0
for (2) RBL640/660	659-9342	SH2-640/660		26.0
for (3) RBL640/660	659-9343	SH3-640/660		26.0

All SH1-640/660, SH2-640/660, and SH3-640/660 post top brackets accept a 2-step pole top tenon: ø 3" x 3.15" + ø 4" x 3.15"

Ordering guide:

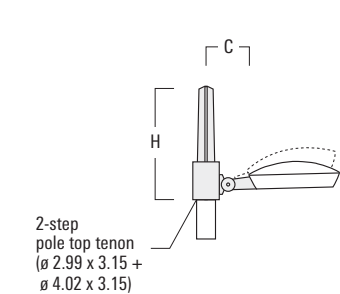
Specify 7 digit part ID together with finish (luminaires and poles must be ordered separately).

Example: 659-9330 – Black RAL 9004

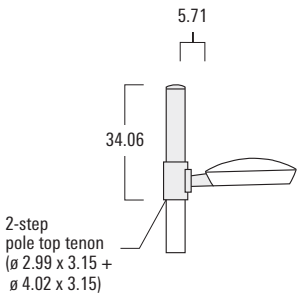


Adjustable wall bracket RC0

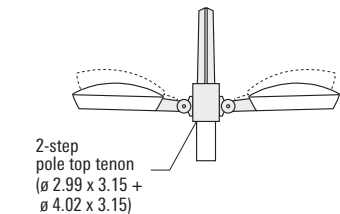
Wall bracket SH0



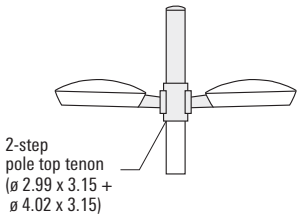
Adjustable pole bracket RC1



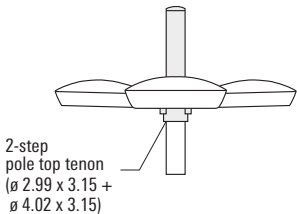
Pole bracket SH1



Adjustable pole bracket RC2



Pole bracket SH2



Pole bracket SH3



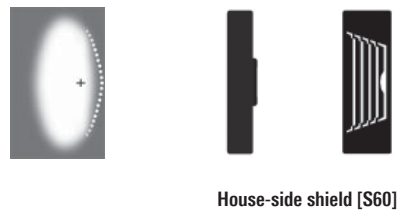
OPTICAL ACCESSORIES – RBL600 SERIES

One internal optical accessory such as house-side shield or internal louver.

House-side shield – For [S60] type III 'side throw' streetlighting distributions.	
for RBL640 [S60]	659-8201
for RBL660 [S60]	659-8211

House-side shield – For [A60] type IV asymmetric 'forward throw' distribution.	
for RBL640 [A60]	659-8202
for RBL660 [A60]	659-8212

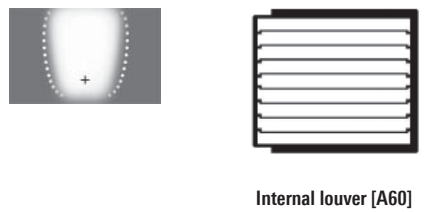
Internal louver – For [A60] type IV asymmetric 'forward throw' distribution (sideways cut-off shielding).	
for RBL640 [A60]	659-8203
for RBL660 [A60]	659-8213



House-side shield [S60]



House-side shield [A60]



Internal louver [A60]



PFL200 SERIES

Post mounted luminaire. 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. Silicone rubber gasket. PMMA RFC® Reflection Free Contour technology. Luminaire is factory-sealed and does not need to be opened during installation.

Integral 10 kV surge protection SP10.

Integral [ECG] LED driver in 120 or 277 volt. Specify voltage.

Factory-installed LED circuit boards. LED boards can be easily removed for upgrading. CAD-optimized OLC® One LED Concept PMMA lens for superior illumination and glare control.

Recommended mounting height 12' to 33' depending on light source selected.

Luminaire is factory-wired and supplied with 33' of black, three conductor, flexible SEOW cord for power connection at pole-base hand hole. Specify other lengths if required.

Light source:
LED 48-144 W, 4000 K
(for 3000 K, refer to www.we-ef.com)

Beam distributions:
[S60] [S65] [S70] [A60] [R65]

Accessories:
■ Mounting, page 260

WE-EF Control:
■ Energy-saving options, page 302

UL, cUL:
■ Suitable for wet locations

International Dark-Sky Association approved.



Endeavour Park. Redcliffe (AUS).



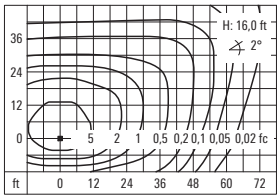
[S60] [S65]

IOS Innovative Optical System:
[S60] Type III 'side throw' streetlighting distribution
[S65] Type III 'side throw' streetlighting distribution

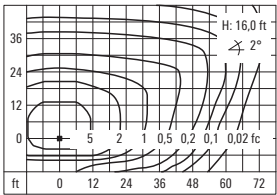
Ordering guide:
Specify 7 digit part ID together with voltage and finish
(brackets and poles must be ordered separately).
Example: 660-2420 – 120 V – Black RAL 9004

[S60]	Part ID	Light source	K	lm*	Factor**	lbs
PFL240	660-2420	24 LED 48W/700 mA	4000	5530	0.67	33.0
	660-2417	24 LED 72W/1050 mA	4000	8238	1.00	33.0
	660-2421	36 LED 72W/700 mA	4000	8294	1.01	33.0
	660-2418	36 LED 108W/1050 mA	4000	12357	1.50	33.0
	660-2422	48 LED 96W/700 mA	4000	11059	1.34	33.0
	660-2419	48 LED 144W/1050 mA	4000	16476	2.00	33.0

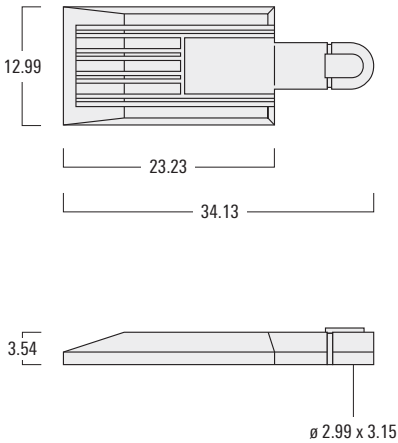
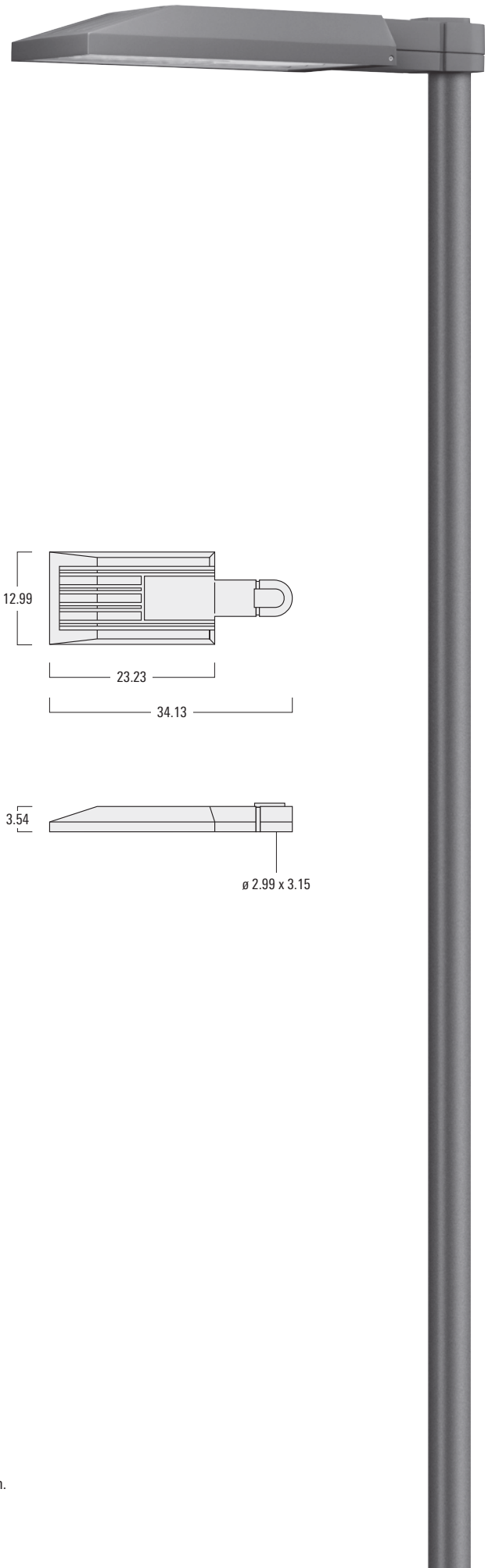
[S65]	Part ID	Light source	K	lm*	Factor**	lbs
PFL240	660-4420	24 LED 48W/700 mA	4000	5530	0.67	33.0
	660-4423	24 LED 72W/1050 mA	4000	8238	1.00	33.0
	660-4421	36 LED 72W/700 mA	4000	8294	1.01	33.0
	660-4424	36 LED 108W/1050 mA	4000	12357	1.50	33.0
	660-4422	48 LED 96W/700 mA	4000	11059	1.34	33.0
	660-4425	48 LED 144W/1050 mA	4000	16476	2.00	33.0



[S60]



[S65]



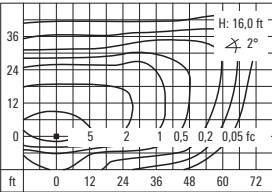
* Nominal lumen output based on LED manufacturers data at 85°C T_j. For rated lumens at 25°C T_a and latest data, refer to www.we-ef.com.
** Multiplier for footcandle value.



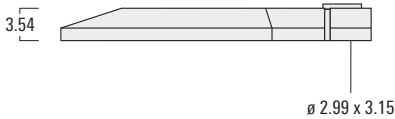
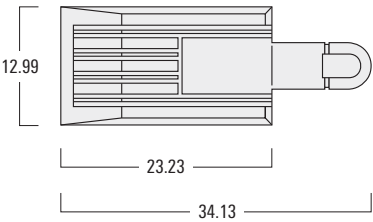
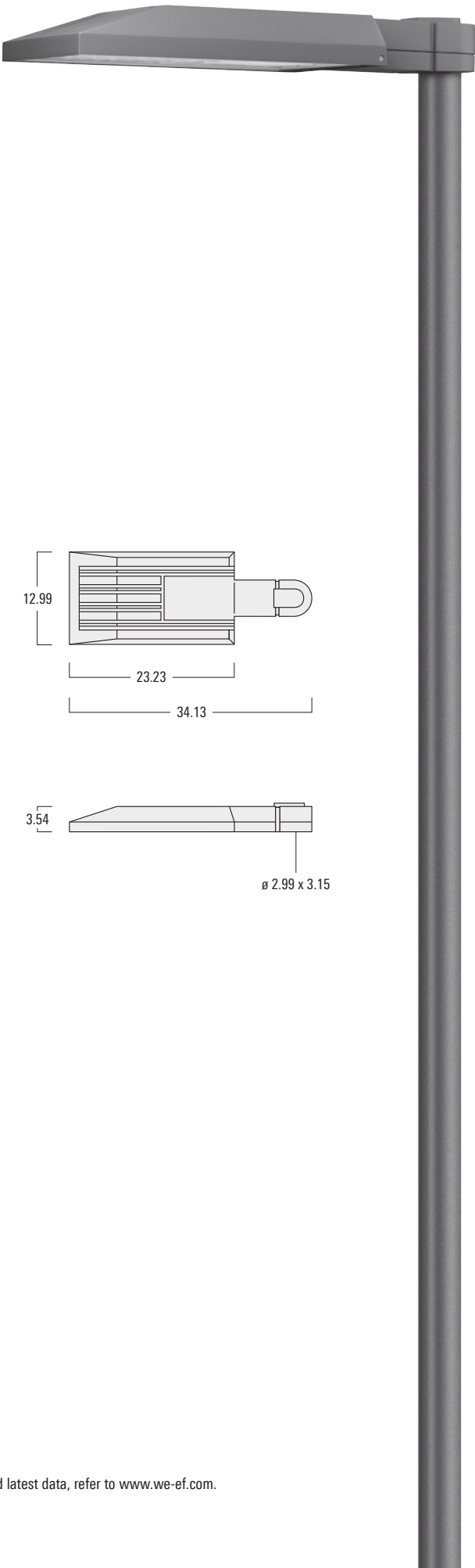
IOS Innovative Optical System:
[S70] Type II 'side throw' streetlighting distribution

Ordering guide:
Specify 7 digit part ID together with voltage and finish
(brackets and poles must be ordered separately).
Example: 660-3419 – 120 V – Black RAL 9004

[S70]	Part ID	Light source	K	lm*	Factor**	lbs
PFL240	660-3419	24 LED 48W/700 mA	4000	5530	0.67	33.0
	660-3416	24 LED 72W/1050 mA	4000	8238	1.00	33.0
	660-3420	36 LED 72W/700 mA	4000	8294	1.01	33.0
	660-3417	36 LED 108W/1050 mA	4000	12357	1.50	33.0
	660-3421	48 LED 96W/700 mA	4000	11059	1.34	33.0
	660-3418	48 LED 144W/1050 mA	4000	16476	2.00	33.0



[S70]



* 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.



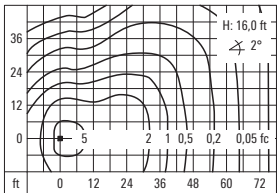
[A60] [R65]

IOS Innovative Optical System:
[A60] Type IV asymmetric 'forward throw' distribution
[R65] Type IV rectangular 'forward throw' distribution

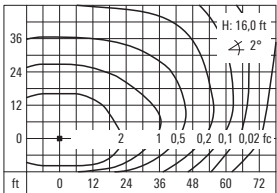
Ordering guide:
Specify 7 digit part ID together with voltage and finish
(brackets and poles must be ordered separately).
Example: **660-1420 – 120 V – Black RAL 9004**

[A60]	Part ID	Light source	K	lm*	Factor**	lbs
PFL240	660-1420	24 LED 48W/700 mA	4000	5530	0.67	33.0
	660-1417	24 LED 72W/1050 mA	4000	8238	1.00	33.0
	660-1421	36 LED 72W/700 mA	4000	8294	1.01	33.0
	660-1418	36 LED 108W/1050 mA	4000	12357	1.50	33.0
	660-1422	48 LED 96W/700 mA	4000	11059	1.34	33.0
	660-1419	48 LED 144W/1050 mA	4000	16476	2.00	33.0

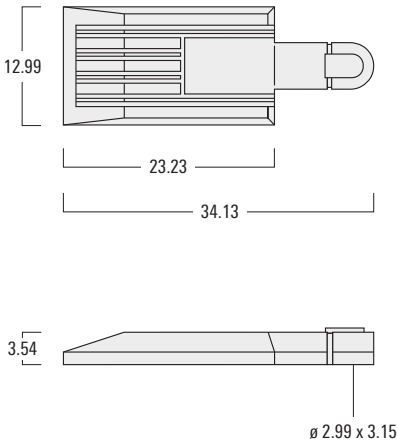
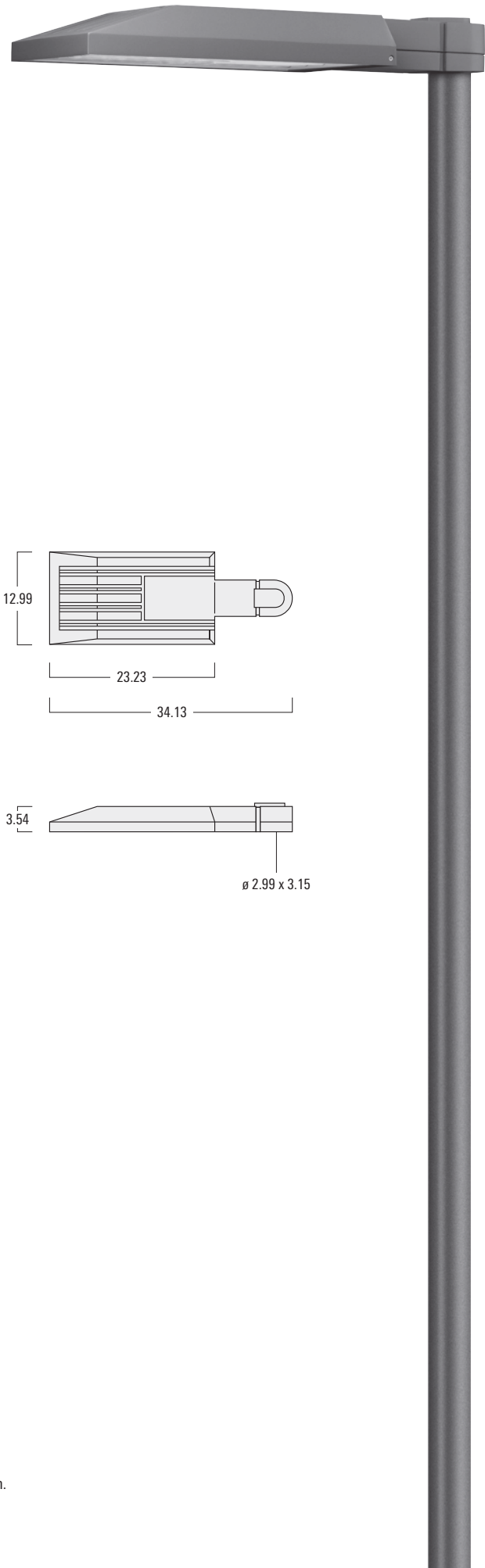
[R65]	Part ID	Light source	K	lm*	Factor**	lbs
PFL240	660-4520	24 LED 48W/700 mA	4000	5530	0.67	33.0
	660-4523	24 LED 72W/1050 mA	4000	8238	1.00	33.0
	660-4521	36 LED 72W/700 mA	4000	8294	1.01	33.0
	660-4524	36 LED 108W/1050 mA	4000	12357	1.50	33.0
	660-4522	48 LED 96W/700 mA	4000	11059	1.34	33.0
	660-4525	48 LED 144W/1050 mA	4000	16476	2.00	33.0



[A60]



[R65]



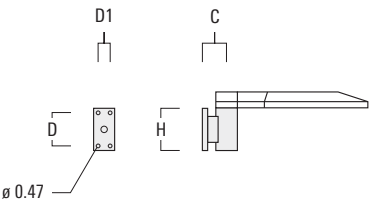
* Nominal lumen output based on LED manufacturers data at 85°C T_j. For rated lumens at 25°C T_a and latest data, refer to www.we-ef.com.
** Multiplier for footcandle value.

MOUNTING ACCESSORIES – PFL200 SERIES

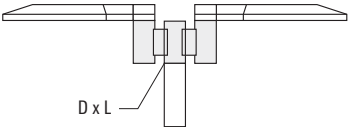
Wall and pole brackets. All mounting accessories are made from marine-grade aluminum alloy. Powdercoat finish in black RAL 9004, grey metallic RAL 9007 or white RAL 9016. Specify finish. Consult WE-EF color chart for other options.

Wall bracket – RV0			D/D1	H	C	lbs
for PFL240 LED	661-9360	RV0	6.30/2.36	7.87	4.25	4.4
Pole bracket – RV2			D x L		C	lbs
for (2) PFL240 LED	661-9361	RV2	ø 2.99 x 3.94		5.79	10.6
Pole bracket – RV5					C	lbs
for (1) PFL240 LED	661-9362	RV5			4.17	3.8

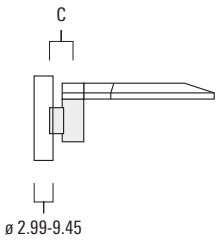
Ordering guide:
Specify 7 digit part ID together with finish (luminaires and poles must be ordered separately).
Example: **661-9360 – Black RAL 9004**



Wall bracket RV0



Pole bracket RV2



Pole bracket RV5



PFL200 SERIES

Post mounted luminaire. 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. Hinged lens frame with 'no-tool' access. Anodized aluminum reflector. Silicone rubber gasket.

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

COSMOPOLIS: Integral [ECG] COSMOPOLIS ballast in 120 or 277 volt.

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

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

Specify voltage where applicable.

Recommended mounting height 8' to 30' depending on light source selected.

Luminaire is factory-wired and supplied with 30' of black, three conductor, flexible SEOW cord for power connection at pole-base hand hole. Specify other lengths if required.

Light source:

CMH 39-150 W

COSMOPOLIS 60-140 W

ELITE CMH 210-315 W

PSMH 250-400 W

Beam distributions:

[S60] [A60]

Accessories:

■ Mounting, page 266-273

■ Optical, page 274

UL, cUL:

■ Suitable for wet locations

International Dark-Sky Association approved.



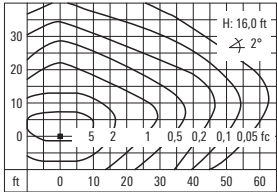
Moorilla Winery. Tasmania (AUS). Architect: Craig Rosevear Architects + Jacob Allom Wade (JAWS Architects).



IOS Innovative Optical System:
[S60] Type III 'side throw' streetlighting distribution

Ordering guide:
Specify 7 digit part ID together with voltage and finish
(brackets and poles must be ordered separately).
Example: 660-2351 – 120 V – Black RAL 9004

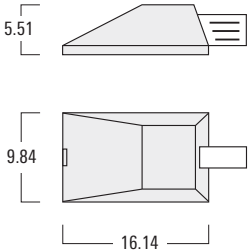
[S60]	Part ID	Light source	lm	Factor*	lbs
PFL230	660-2351	CMH39/T-6/G-12 base	3300	0.53	16.0
	660-2352	CMH70/T-6/G-12 base	6600	1.06	16.0
	660-2392	CPO-T60/PGZ12 base	6900	1.11	16.0
PFL240	660-2445	CMH70/ED17 clear/medium base	6200	1.00	21.0
	660-2446	CMH100/ED17 clear/medium base	9500	1.53	21.0
	660-2447	CMH150/ED17 clear/medium base	14000	2.26	21.0
	660-2452	CMH70/T-6/G-12 base	6600	1.06	21.0
	660-2453	CMH150/T-6/G-12 base	14000	2.26	21.0
	660-2490	CPO-T60/PGZ12 base	6900	1.11	21.0
PFL260	660-2491	CPO-T90/PGZ12 base	10450	1.69	21.0
	660-2493	CPO-T140/PGZ12 base	16500	2.66	22.0
	660-2640	PSMH250/ED28 HOR clear/mogul base	22000	3.55	36.0
	660-2641	PSMH400/ED28 HOR clear/mogul base	40000	6.45	39.0
	660-2654	CMH210/T-9/PGZ18 base	24150	3.90	39.0
	660-2655	CMH315/T-9/PGZ18 base	37800	6.10	39.0
	660-2693	CPO-T140/PGZ12 base	16500	2.66	32.0



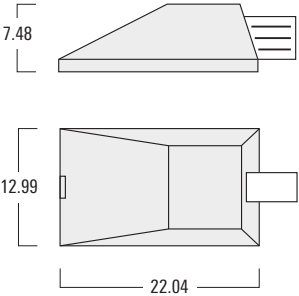
[S60]



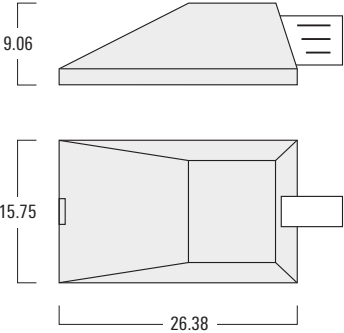
PFL230



PFL240



PFL260



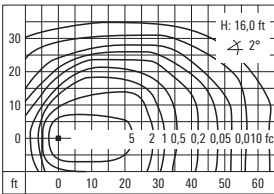
* Multiplier for footcandle value.



IOS Innovative Optical System:
[A60] Type IV asymmetric 'forward throw' distribution

Ordering guide:
Specify 7 digit part ID together with voltage and finish
(brackets and poles must be ordered separately).
Example: **660-1351 – 120 V – Black RAL 9004**

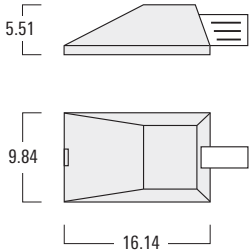
[A60]	Part ID	Light source	lm	Factor*	lbs
PFL230	660-1351	CMH39/T-6/G-12 base	3300	0.53	16.0
	660-1352	CMH70/T-6/G-12 base	6600	1.06	16.0
	660-1392	CPO-T60/PGZ12 base	6900	1.11	16.0
PFL240	660-1445	CMH70/ED17 clear/medium base	6200	1.00	21.0
	660-1446	CMH100/ED17 clear/medium base	9500	1.53	21.0
	660-1447	CMH150/ED17 clear/medium base	14000	2.26	21.0
	660-1452	CMH70/T-6/G-12 base	6600	1.06	21.0
	660-1453	CMH150/T-6/G-12 base	14000	2.26	21.0
	660-1490	CPO-T60/PGZ12 base	6900	1.11	21.0
PFL260	660-1491	CPO-T90/PGZ12 base	10450	1.69	21.0
	660-1493	CPO-T140/PGZ12 base	16500	2.66	22.0
	660-1640	PSMH250/ED28 HOR clear/mogul base	22000	3.55	36.0
	660-1641	PSMH400/ED28 HOR clear/mogul base	40000	6.45	39.0
	660-1654	CMH210/T-9/PGZ18 base	24150	3.90	39.0
	660-1655	CMH315/T-9/PGZ18 base	37800	6.10	39.0
	660-1693	CPO-T140/PGZ12 base	16500	2.66	32.0



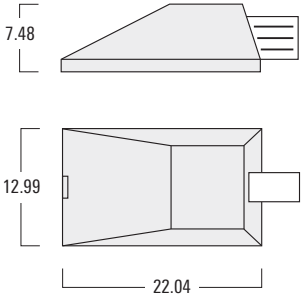
[A60]



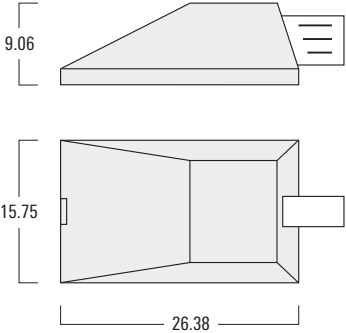
PFL230



PFL240



PFL260





Temple Quay, Bristol (UK). Architect: Landscape Projects.

MOUNTING ACCESSORIES – PFL200 SERIES

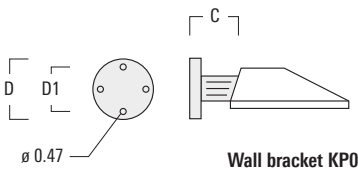
Wall and pole brackets. Marine-grade, die-cast aluminum alloy. Powdercoat finish in black RAL 9004, grey metallic RAL 9007 or white RAL 9016. Specify finish. Consult WE-EF color chart for other options.

Wall brackets – KP-230/KP-240/KP-260				D/D1	C	lbs
for PFL230	660-9201	KP0-230		7.09/5.51	7.68	4.0
for PFL240	660-9300	KP0-240		9.06/7.68	7.87	5.0
for PFL260	660-9310	KP0-260		10.83/9.25	9.06	6.0

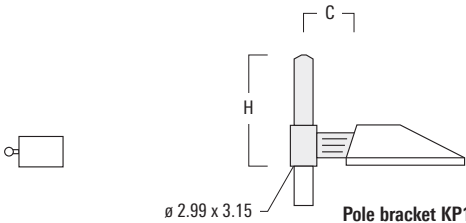
Pole brackets – KP-230/KP-240/KP-260				D x L	H	C	lbs
for (1) PFL230	660-9202	KP1-230		ø 3 x 3.15 long	20.67	8.27	8.0
for (1) PFL240	660-9301	KP1-240		ø 3 x 3.15 long	22.64	8.46	9.0
for (1) PFL260	660-9311	KP1-260		ø 3 x 3.15 long	26.57	9.84	10.0
for (2) PFL230	660-9203	KP2-230		ø 3 x 3.15 long	20.67	8.27	10.0
for (2) PFL240	660-9302	KP2-240		ø 3 x 3.15 long	22.64	8.46	11.0
for (2) PFL260	660-9312	KP2-260		ø 3 x 3.15 long	26.57	9.84	12.0
for (3) PFL230	660-9209	KP3-230		ø 3 x 3.15 long	20.67	8.27	13.0
for (3) PFL240	660-9303	KP3-240		ø 3 x 3.15 long	22.64	8.46	16.0
for (3) PFL260	660-9313	KP3-260		ø 3 x 3.15 long	26.57	9.84	18.0
for (4) PFL230	660-9210	KP4-230		ø 3 x 3.15 long	20.67	8.27	17.0
for (4) PFL240	660-9304	KP4-240		ø 3 x 3.15 long	22.64	8.46	20.0
for (4) PFL260	660-9314	KP4-260		ø 3 x 3.15 long	26.57	9.84	22.0

Pole brackets – KP-L-230/KP-L-240/KP-L-260				D x L	H	C	lbs
for (1) PFL230	660-9221	KP1-L-230		ø 3 x 5.12 long	20.67	17.72	14.0
for (1) PFL240	660-9231	KP1-L-240		ø 3 x 5.12 long	22.64	25.00	20.0
for (1) PFL260	660-9241	KP1-L-260		ø 3 x 5.12 long	26.57	25.00	23.0
for (2) PFL230	660-9222	KP2-L-230		ø 3 x 5.12 long	20.67	17.72	21.0
for (2) PFL240	660-9232	KP2-L-240		ø 3 x 5.12 long	22.64	25.00	33.0
for (2) PFL260	660-9242	KP2-L-260		ø 3 x 5.12 long	26.57	25.00	39.0

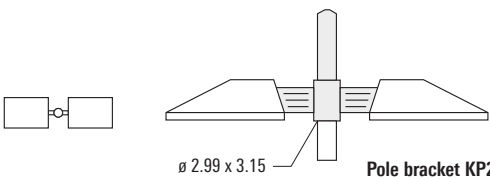
Ordering guide:
Specify 7 digit part ID together with finish (luminaires and poles must be ordered separately).
Example: 660-9201 – Black RAL 9004



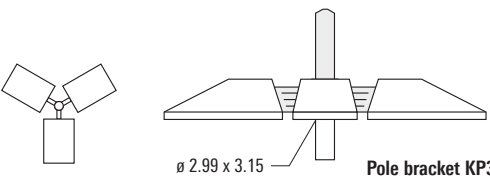
Wall bracket KP0



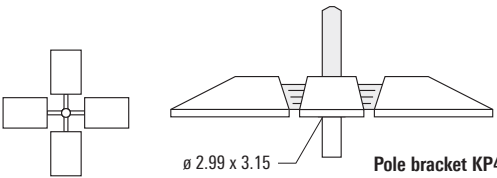
Pole bracket KP1



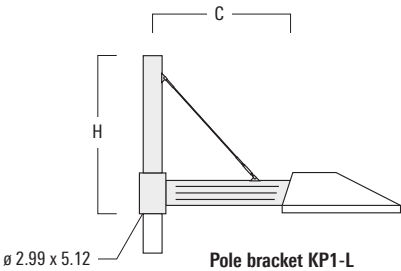
Pole bracket KP2



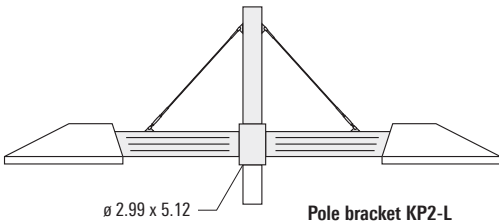
Pole bracket KP3



Pole bracket KP4



Pole bracket KP1-L



Pole bracket KP2-L



Hauptbahnhof, Essen (D).

MOUNTING ACCESSORIES – PFL200 SERIES

Wall and pole brackets. Marine-grade, die-cast aluminum alloy. Powdercoat finish in black RAL 9004, grey metallic RAL 9007 or white RAL 9016. Specify finish. Consult WE-EF color chart for other options.

Adjustable wall brackets* – KI-230/KI-240/KI-260			D/D1	C	lbs
for PFL230	660-9204	KI0-230	7.09/5.83	8.27	7.0
for PFL240	660-9305	KI0-240	7.09/5.51	8.27	13.0
for PFL260	660-9315	KI0-260	7.09/5.51	8.27	13.0

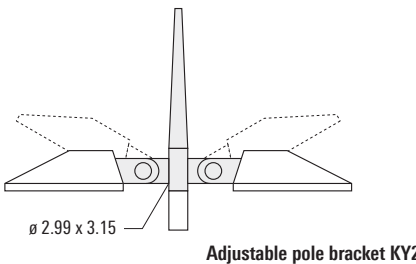
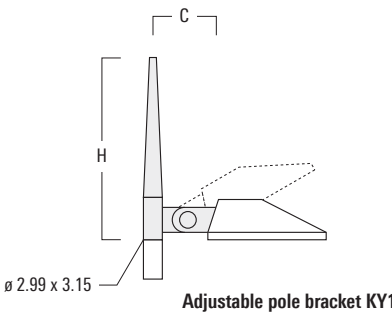
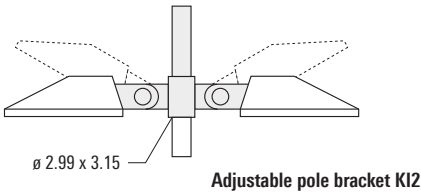
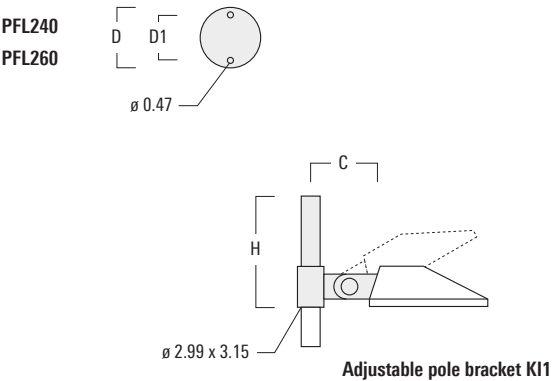
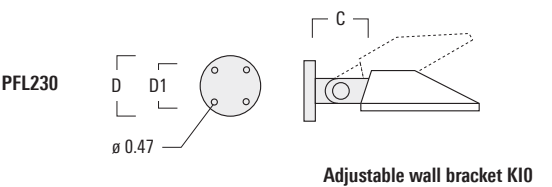
Adjustable pole brackets* – KI-230/KI-240/KI-260			D x L	H	C	lbs
for (1) PFL230	660-9205	KI1-230	ø 3 x 3.15 long	18.70	8.27	10.0
for (1) PFL240	660-9306	KI1-240	ø 3 x 3.15 long	20.67	8.27	16.0
for (1) PFL260	660-9316	KI1-260	ø 3 x 3.15 long	22.64	8.27	19.0
for (2) PFL230	660-9206	KI2-230	ø 3 x 3.15 long	18.70	8.27	14.0
for (2) PFL240	660-9307	KI2-240	ø 3 x 3.15 long	20.67	8.27	19.0
for (2) PFL260	660-9317	KI2-260	ø 3 x 3.15 long	22.64	8.27	23.0

Adjustable decorative pole brackets* – KY-230/KY-240/KY-260			D x L	H	C	lbs
for (1) PFL230	660-9207	KY1-230	ø 3 x 3.15 long	28.74	8.27	18.0
for (1) PFL240	660-9308	KY1-240	ø 3 x 3.15 long	36.61	8.27	22.0
for (1) PFL260	660-9318	KY1-260	ø 3 x 3.15 long	36.61	8.27	26.0
for (2) PFL230	660-9208	KY2-230	ø 3 x 3.15 long	28.74	8.27	21.0
for (2) PFL240	660-9309	KY2-240	ø 3 x 3.15 long	36.61	8.27	29.0
for (2) PFL260	660-9319	KY2-260	ø 3 x 3.15 long	36.61	8.27	33.0

Ordering guide:

Specify 7 digit part ID together with finish (luminaires and poles must be ordered separately).

Example: **660-9204 – Black RAL 9004**





Theresienhöhe MK2. München (D). Lighting design: Ingenieurgruppe.

MOUNTING ACCESSORIES – PFL200 SERIES

Wall and pole brackets. Marine-grade, die-cast aluminum alloy. Powdercoat finish in black RAL 9004, grey metallic RAL 9007 or white RAL 9016. Specify finish. Consult WE-EF color chart for other options.

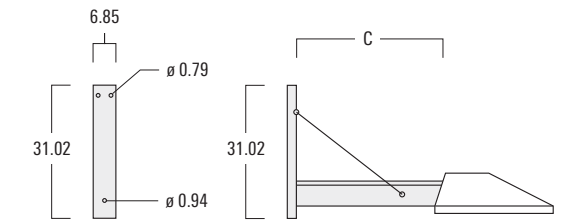
Decorative wall brackets – KL-240/KL-260				C	lbs
for PFL240	660-9320	KL0-240		28.94	20.0
for PFL260	660-9330	KL0-260		44.69	31.0

Decorative pole brackets – KL-240/KL-260				D x L	H	C	lbs
for (1) PFL240	660-9321	KL1-240		ø 3 x 5.12 long	29.53	28.94	20.0
for (1) PFL260	660-9331	KL1-260		ø 3 x 5.12 long	43.31	44.69	31.0
for (2) PFL240	660-9322	KL2-240		ø 3 x 5.12 long	29.53	28.94	31.0
for (2) PFL260	660-9332	KL2-260		ø 3 x 5.12 long	43.31	44.69	47.0

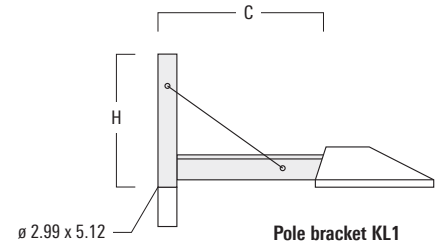
Decorative wall brackets – KX-240/KX-260				C	lbs
for PFL240	660-9360	KX0-240		28.94	16.0
for PFL260	660-9370	KX0-260		44.69	25.0

Decorative pole brackets – KX-240/KX-260				D x L	H	C	lbs
for (1) PFL240	660-9361	KX1-240		ø 3 x 5.12 long	16.14	28.94	16.0
for (1) PFL260	660-9371	KX1-260		ø 3 x 5.12 long	24.80	44.69	25.0
for (2) PFL240	660-9362	KX2-240		ø 3 x 5.12 long	16.14	28.94	25.0
for (2) PFL260	660-9372	KX2-260		ø 3 x 5.12 long	24.80	44.69	38.0

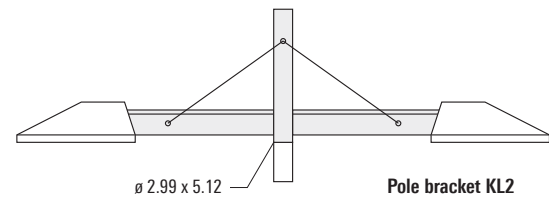
Ordering guide:
Specify 7 digit part ID together with finish (luminaires and poles must be ordered separately).
Example: 660-9320 – Black RAL 9004



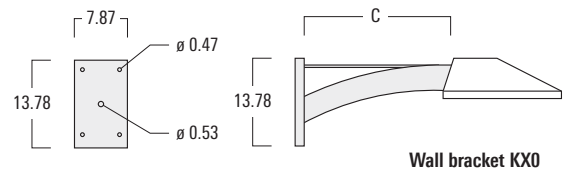
Wall bracket KL0



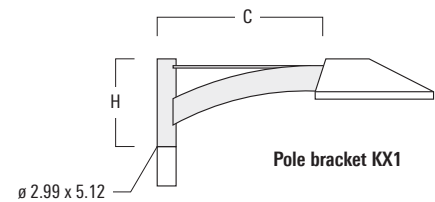
Pole bracket KL1



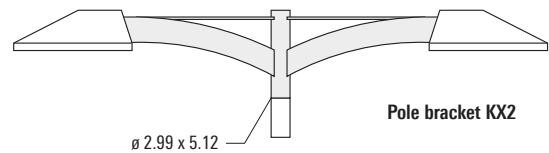
Pole bracket KL2



Wall bracket KX0



Pole bracket KX1



Pole bracket KX2



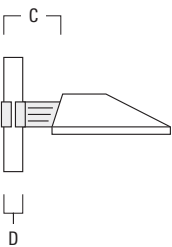
ZAC Champolion. Dijon (F). Lighting design: Vittorio Sparta.

MOUNTING ACCESSORIES – PFL200 SERIES

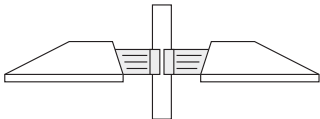
Pole clamps. Marine-grade, die-cast aluminum alloy. Powdercoat finish in black RAL 9004, grey metallic RAL 9007 or white RAL 9016. Specify finish. Consult WE-EF color chart for other options.

Pole clamps – SK-230/SK-240/SK-260			D	C	lbs
for (1) PFL230	660-9281	SK1-230	(ø 3.0-3.50)	6.89	7.0
for (1) PFL230	660-9283	SK1-230	(ø 4.0-4.50)	6.89	7.0
for (1) PFL240	660-9381	SK1-240	(ø 3.0-3.50)	6.89	8.0
for (1) PFL240	660-9377	SK1-240	(ø 4.0-4.50)	6.89	9.0
for (1) PFL240	660-9383	SK1-240	(ø 4.50-5.25)	6.89	10.0
for (1) PFL260	660-9391	SK1-260	(ø 3.0-3.50)	8.27	8.0
for (1) PFL260	660-9379	SK1-260	(ø 4.0-4.50)	6.89	9.0
for (1) PFL260	660-9393	SK1-260	(ø 4.50-5.25)	8.27	10.0
for (2) PFL230	660-9282	SK2-230	(ø 3.0-3.50)	6.89	10.0
for (2) PFL230	660-9284	SK2-230	(ø 4.0-4.50)	6.89	11.0
for (2) PFL240	660-9382	SK2-240	(ø 3.0-3.50)	6.89	12.0
for (2) PFL240	660-9378	SK2-240	(ø 4.0-4.50)	6.89	13.0
for (2) PFL240	660-9384	SK2-240	(ø 4.50-5.25)	6.89	14.0
for (2) PFL260	660-9392	SK2-260	(ø 3.0-3.50)	8.27	12.0
for (2) PFL260	660-9380	SK2-260	(ø 4.0-4.50)	6.89	13.0
for (2) PFL260	660-9394	SK2-260	(ø 4.50-5.25)	8.27	14.0

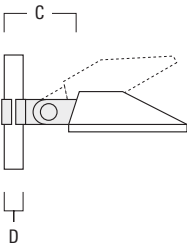
Adjustable pole clamps – SI-230/SI-240/SI-260			D	C	lbs
for (1) PFL230*	660-9285	SI1-230	(ø 3.0-3.50)	8.27	7.0
for (1) PFL230*	660-9287	SI1-230	(ø 4.0-4.50)	8.27	7.0
for (1) PFL240**	660-9385	SI1-240	(ø 3.0-3.50)	8.27	8.0
for (1) PFL240**	660-9373	SI1-240	(ø 4.0-4.50)	8.27	9.0
for (1) PFL240**	660-9387	SI1-240	(ø 4.50-5.25)	8.27	10.0
for (1) PFL260*	660-9395	SI1-260	(ø 3.0-3.50)	8.27	8.0
for (1) PFL260*	660-9375	SI1-260	(ø 4.0-4.50)	8.27	9.0
for (1) PFL260*	660-9397	SI1-260	(ø 4.50-5.25)	8.27	10.0
for (2) PFL230*	660-9286	SI2-230	(ø 3.0-3.50)	8.27	10.0
for (2) PFL230*	660-9288	SI2-230	(ø 4.0-4.50)	8.27	11.0
for (2) PFL240**	660-9386	SI2-240	(ø 3.0-3.50)	8.27	12.0
for (2) PFL240**	660-9374	SI2-240	(ø 4.0-4.50)	8.27	13.0
for (2) PFL240**	660-9388	SI2-240	(ø 4.50-5.25)	8.27	14.0
for (2) PFL260*	660-9396	SI2-260	(ø 3.0-3.50)	8.27	12.0
for (2) PFL260*	660-9376	SI2-260	(ø 4.0-4.50)	8.27	13.0
for (2) PFL260*	660-9398	SI2-260	(ø 4.50-5.25)	8.27	14.0



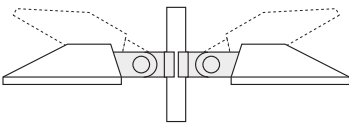
Pole clamp SK1



Pole clamp SK2



Adjustable pole clamp SI1



Adjustable pole clamp SI2

Ordering guide:

Specify 7 digit part ID together with finish (luminaires and poles must be ordered separately).

Example: 660-9281 – Black RAL 9004

* Vertical aiming: +/-30°.

** Vertical aiming: +30°/-15°.



Roma Street Parklands. Brisbane (AUS). Lighting design: Barry Webb & Associates.

OPTICAL ACCESSORIES – PFL200 SERIES

One internal optical accessory such as house-side shield or internal louver.

House-side shield – For [S60] type III 'side throw' streetlighting distribution.

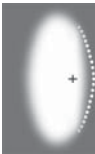
for PFL230 [S60]	683-8231
for PFL240 [S60]	683-8241
for PFL260 [S60]	683-8261

House-side shield – For [A60] type IV asymmetric 'forward throw' distribution.

for PFL230 [A60]	683-8233
for PFL240 [A60]	683-8243
for PFL260 [A60]	683-8263

Internal louver – For [A60] type IV asymmetric 'forward throw' distribution (sideways cut-off shielding).

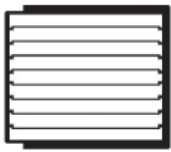
for PFL230 [A60]	683-8232
for PFL240 [A60]	683-8242
for PFL260 [A60]	683-8262



House-side shield [S60]



House-side shield [A60]



Internal louver [A60]



VFL500 SERIES

Post mounted luminaire. 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. Silicone rubber gasket. PMMA RFC® Reflection Free Contour technology.

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

Integral 10 kV surge protection SP10.

Integral [ECG] LED driver in 120 or 277 volt. Specify voltage.

Factory-installed LED circuit boards. LED boards can be easily removed for upgrading. CAD-optimized OLC® One LED Concept PMMA lens for superior illumination and glare control.

Recommended mounting height 8' to 30' depending on light source selected.

Luminaire is factory-wired and supplied with 30' of black, three conductor, flexible SEOW cord for power connection at pole-base hand hole. Specify other lengths if required.

Light source:

LED 12-84 W, 4000 K

(for 3000 K, refer to www.we-ef.com)

Beam distributions:

[S60] [S65] [S70] [A60] [R65]

Accessories:

■ Mounting, page 280

WE-EF Control:

■ Energy-saving options, page 302-305

UL, cUL:

■ Suitable for wet locations

International Dark-Sky Association approved.



Sint-Vincensius Hospitals. Antwerp (B).



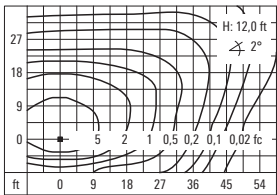
[S60] [S65]

IOS Innovative Optical System:
[S60] Type III 'side throw' streetlighting distribution
[S65] Type III 'side throw' streetlighting distribution

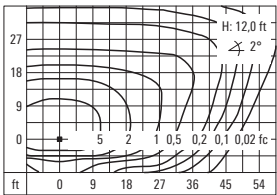
Ordering guide:
Specify 7 digit part ID together with voltage and finish
(brackets and poles must be ordered separately).
Example: 661-7322 – 120 V – Black RAL 9004

[S60]	Part ID	Light source	K	lm*	Factor**	lbs
VFL520	661-7322	12 LED 12W/350 mA	4000	1512	0.29	10.4
	661-7324	12 LED 24 W/700 mA	4000	2765	0.50	10.4
VFL530	661-5324	12 LED 12W/350 mA	4000	1512	0.29	14.1
	661-5325	24 LED 24W/350 mA	4000	3024	0.58	14.6
	661-5321	12 LED 24W/700 mA	4000	2765	0.50	14.1
VFL540	661-5322	24 LED 48W/700 mA	4000	5530	1.00	14.6
	661-6325	24 LED 24W/350 mA	4000	3024	0.58	17.2
	661-6326	36 LED 36W/350 mA	4000	4536	0.86	18.1
	661-6335	42 LED 42 W/350 mA	4000	5292	1.00	18.1
	661-6322	24 LED 48W/700 mA	4000	5530	1.00	17.2
	661-6323	36 LED 72W/700 mA	4000	8294	1.50	18.1
	661-6333	42 LED 84 W/700 mA	4000	9677	1.75	18.1

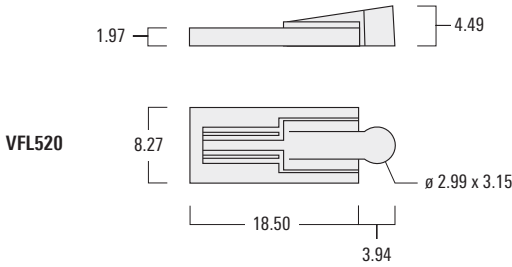
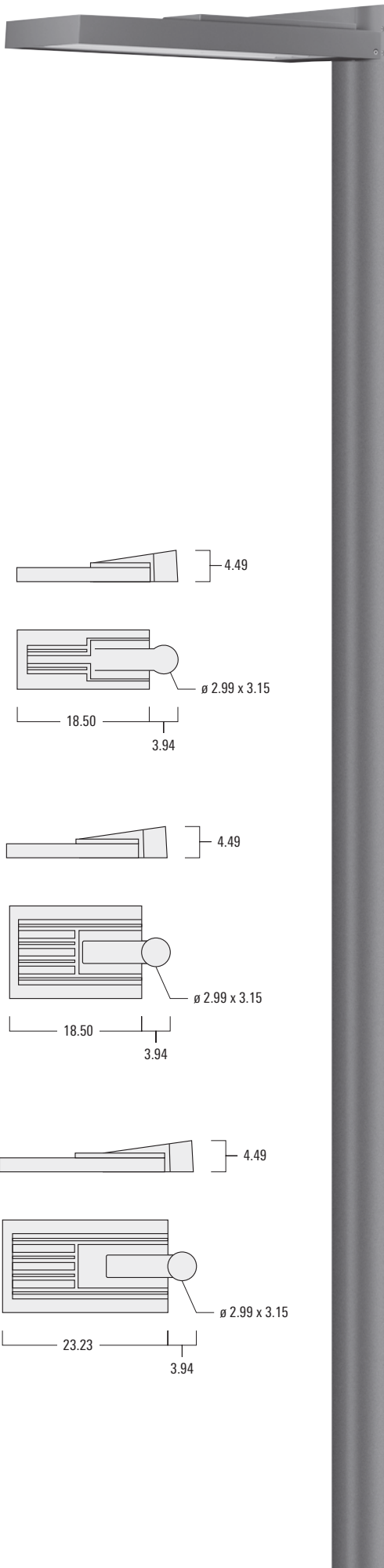
[S65]	Part ID	Light source	K	lm*	Factor**	lbs
VFL520	661-7122	12 LED 12W/350 mA	4000	1512	0.29	10.4
	661-7124	12 LED 24 W/700 mA	4000	2765	0.50	10.4
VFL530	661-5124	12 LED 12W/350 mA	4000	1512	0.29	14.1
	661-5125	24 LED 24W/350 mA	4000	3024	0.58	14.6
	661-5121	12 LED 24W/700 mA	4000	2765	0.50	14.1
VFL540	661-5122	24 LED 48W/700 mA	4000	5530	1.00	14.6
	661-6125	24 LED 24W/350 mA	4000	3024	0.58	17.2
	661-6126	36 LED 36W/350 mA	4000	4536	0.86	18.1
	661-6135	42 LED 42 W/350 mA	4000	5292	1.00	18.1
	661-6122	24 LED 48W/700 mA	4000	5530	1.00	17.2
	661-6123	36 LED 72W/700 mA	4000	8294	1.50	18.1
	661-6133	42 LED 84 W/700 mA	4000	9677	1.75	18.1



[S60]



[S65]



VFL520



VFL530



VFL540

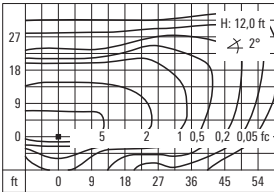
* Nominal lumen output based on LED manufacturers data at 85°C T_j. For rated lumens at 25°C T_a and latest data, refer to www.we-ef.com.
** Multiplier for footcandle value.



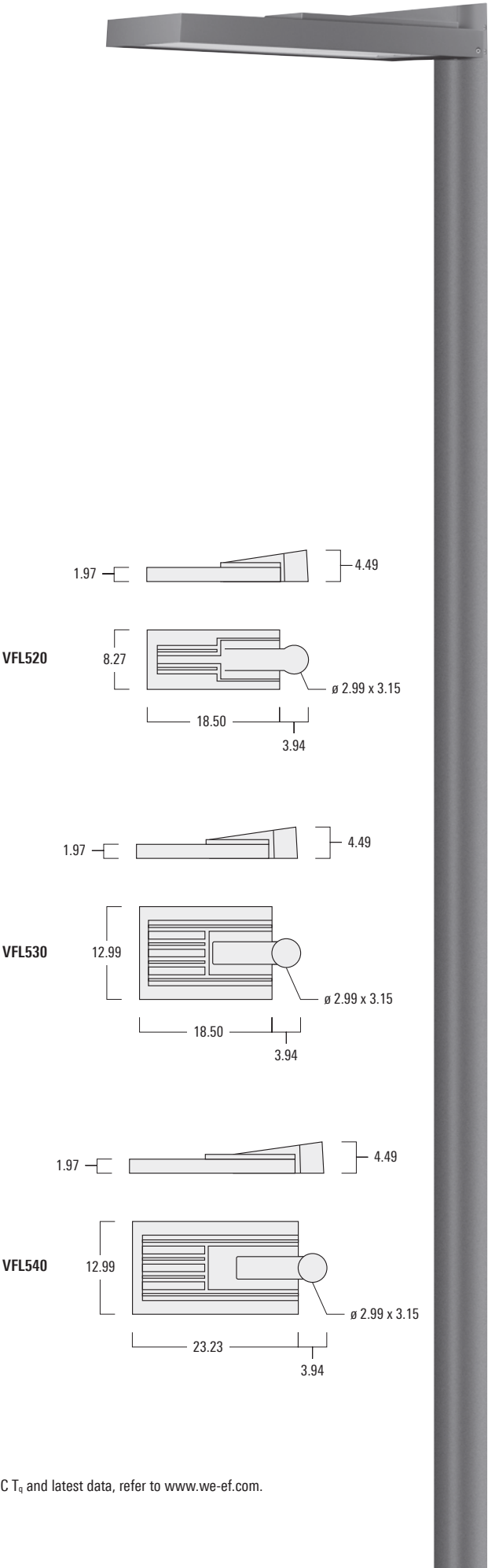
IOS Innovative Optical System:
[S70] Type II 'side throw' streetlighting distribution

Ordering guide:
Specify 7 digit part ID together with voltage and finish
(brackets and poles must be ordered separately).
Example: 661-7222 – 120 V – Black RAL 9004

[S70]	Part ID	Light source	K	lm*	Factor**	lbs
VFL520	661-7222	12 LED 12W/350 mA	4000	1512	0.29	10.4
	661-7224	12 LED 24 W/700 mA	4000	2765	0.50	10.4
VFL530	661-5224	12 LED 12W/350 mA	4000	1512	0.29	14.1
	661-5225	24 LED 24W/350 mA	4000	3024	0.58	14.6
	661-5221	12 LED 24W/700 mA	4000	2765	0.50	14.1
VFL540	661-5222	24 LED 48W/700 mA	4000	5530	1.00	14.6
	661-6225	24 LED 24W/350 mA	4000	3024	0.58	17.2
	661-6226	36 LED 36W/350 mA	4000	4536	0.86	18.1
	661-6235	42 LED 42 W/350 mA	4000	5292	1.00	18.1
	661-6222	24 LED 48W/700 mA	4000	5530	1.00	17.2
	661-6223	36 LED 72W/700 mA	4000	8294	1.50	18.1
	661-6233	42 LED 84 W/700 mA	4000	9677	1.75	18.1



[S70]





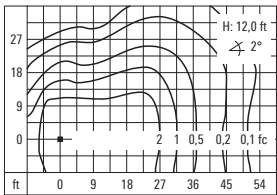
[A60] [R65]

IOS Innovative Optical System:
[A60] Type IV asymmetric 'forward throw' distribution
[R65] Type IV rectangular 'forward throw' distribution

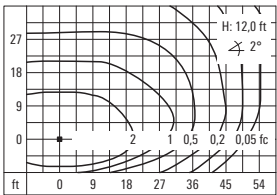
Ordering guide:
Specify 7 digit part ID together with voltage and finish
(brackets and poles must be ordered separately).
Example: 661-7422 – 120 V – Black RAL 9004

[A60]	Part ID	Light source	K	lm*	Factor**	lbs
VFL520	661-7422	12 LED 12W/350 mA	4000	1512	0.29	10.4
	661-7424	12 LED 24 W/700 mA	4000	2765	0.50	10.4
VFL530	661-5424	12 LED 12W/350 mA	4000	1512	0.29	14.1
	661-5425	24 LED 24W/350 mA	4000	3024	0.58	14.6
	661-5421	12 LED 24W/700 mA	4000	2765	0.50	14.1
VFL540	661-5422	24 LED 48W/700 mA	4000	5530	1.00	14.6
	661-6425	24 LED 24W/350 mA	4000	3024	0.58	17.2
	661-6426	36 LED 36W/350 mA	4000	4536	0.86	18.1
	661-6435	42 LED 42 W/350 mA	4000	5292	1.00	18.1
	661-6422	24 LED 48W/700 mA	4000	5530	1.00	17.2
	661-6423	36 LED 72W/700 mA	4000	8294	1.50	18.1
	661-6433	42 LED 84 W/700 mA	4000	9677	1.75	18.1

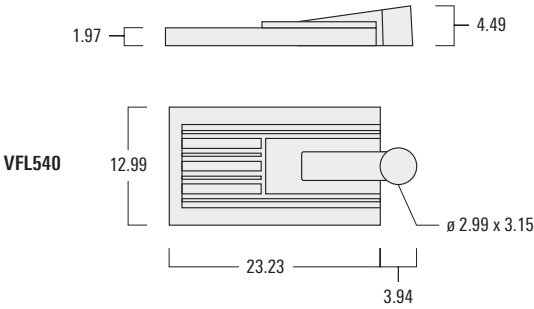
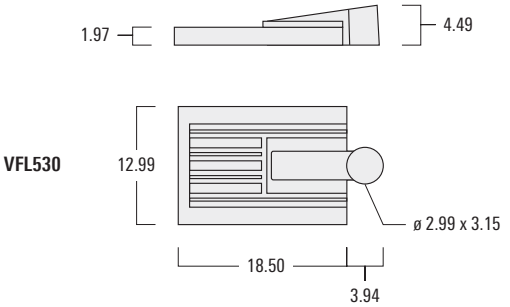
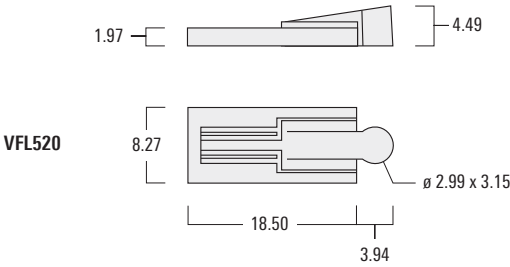
[R65]	Part ID	Light source	K	lm*	Factor**	lbs
VFL520	661-7522	12 LED 12W/350 mA	4000	1512	0.29	10.4
	661-7524	12 LED 24 W/700 mA	4000	2765	0.50	10.4
VFL530	661-5524	12 LED 12W/350 mA	4000	1512	0.29	14.1
	661-5525	24 LED 24W/350 mA	4000	3024	0.58	14.6
	661-5521	12 LED 24W/700 mA	4000	2765	0.50	14.1
VFL540	661-5522	24 LED 48W/700 mA	4000	5530	1.00	14.6
	661-6525	24 LED 24W/350 mA	4000	3024	0.58	17.2
	661-6526	36 LED 36W/350 mA	4000	4536	0.86	18.1
	661-6535	42 LED 42 W/350 mA	4000	5292	1.00	18.1
	661-6522	24 LED 48W/700 mA	4000	5530	1.00	17.2
	661-6523	36 LED 72W/700 mA	4000	8294	1.50	18.1
	661-6533	42 LED 84 W/700 mA	4000	9677	1.75	18.1



[A60]



[R65]



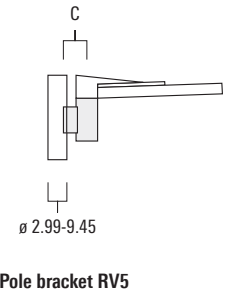
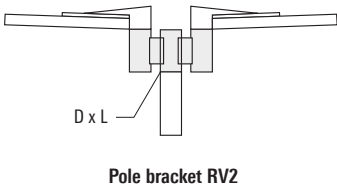
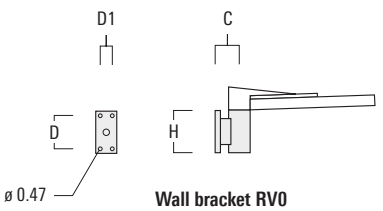
* Nominal lumen output based on LED manufacturers data at 85°C T_j. For rated lumens at 25°C T_a and latest data, refer to www.we-ef.com.
** Multiplier for footcandle value.

MOUNTING ACCESSORIES – VFL500 SERIES

Wall and pole brackets. Marine-grade, die-cast aluminum alloy. Powdercoat finish in black RAL 9004, grey metallic RAL 9007 or white RAL 9016. Specify finish. Consult WE-EF color chart for other options.

Wall bracket – RV0			D/D1	H	C	lbs
for VFL530/540	661-9360	RV0	6.30/2.36	7.87	4.25	4.4
Pole bracket – RV2			D x L		C	lbs
for (2) VFL530/540	661-9361	RV2	ø 2.99 x 3.94		5.79	10.6
Pole bracket – RV5					C	lbs
for (1) VFL530/540	661-9362	RV5			4.17	3.5

Ordering guide:
Specify 7 digit part ID together with finish (luminaires and poles must be ordered separately).
Example: 661-9360 – Black RAL 9004





291 Hauptplatz. Landsberg am Lech (D). Landscape architect: Lohrer Hochrein Landschaftsarchitekten und Stadtplaner. Lighting design: Day & Light Lichtplanung.

VFL500-SE SERIES

Side entry luminaire. 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. Silicone rubber gasket. PMMA RFC® Reflection Free Contour technology. Luminaire is factory-sealed and does not need to be opened during installation.

Integral 10 kV surge protection SP10.

Integral [ECG] LED driver in 120 or 277 volt. Specify voltage.

Factory-installed LED circuit boards. LED boards can be easily removed for upgrading. CAD-optimized OLC® One LED Concept PMMA lens for superior illumination and glare control.

Recommended mounting height 8' to 30' depending on light source selected.

Luminaire is factory-wired and supplied with 30' of black, three conductor, flexible SEOW cord for power connection at pole-base hand hole. Specify other lengths if required.

Light source:

LED 12-96 W, 4000 K
(for 3000 K, refer to www.we-ef.com)

Beam distributions:

[S60] [S65] [S70] [A60] [R65]

Accessories:

■ Mounting, page 286-289

WE-EF Control:

■ Energy-saving options, page 302-305

UL, cUL:

■ suitable for wet locations

International Dark-Sky Association approved.



Hauptplatz. Landsberg am Lech (D). Landscape architect: Lohrer Hochrein Landschaftsarchitekten und Stadtplaner. Lighting design: Day & Light Lichtplanung.



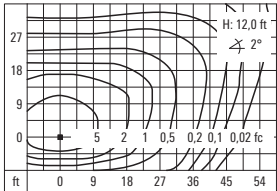
[S60] [S65]

IOS Innovative Optical System:
[S60] Type III 'side throw' streetlighting distribution
[S65] Type III 'side throw' streetlighting distribution

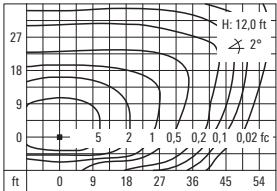
Ordering guide:
Specify 7 digit part ID together with voltage and finish
(brackets and poles must be ordered separately).
Example: 661-5334 – 120 V – Black RAL 9004

[S60]	Part ID	Light source	K	lm*	Factor**	lbs
VFL530-SE	661-5334	12 LED 12W/350 mA	4000	1512	0.29	12.3
	661-5337	24 LED 24W/350 mA	4000	3024	0.58	12.8
	661-5340	12 LED 24W/700 mA	4000	2765	0.50	12.3
	661-5343	24 LED 48W/700 mA	4000	5530	1.00	12.8
VFL540-SE	661-6346	36 LED 36W/350 mA	4000	4536	0.86	18.1
	661-6349	48 LED 48W/350 mA	4000	6048	1.15	18.1
	661-6352	36 LED 72W/700 mA	4000	8294	1.50	18.1
	661-6355	48 LED 96W/700 mA	4000	11059	2.00	18.1

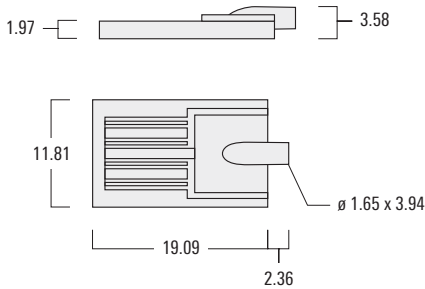
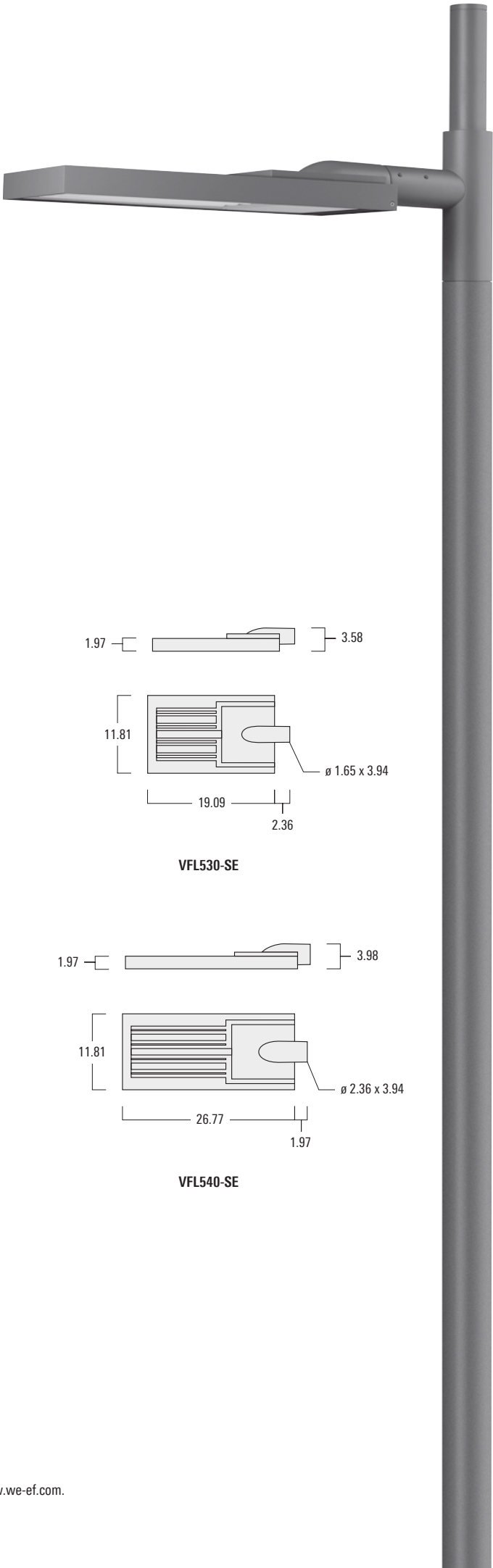
[S65]	Part ID	Light source	K	lm*	Factor**	lbs
VFL530-SE	661-5134	12 LED 12W/350 mA	4000	1512	0.29	12.3
	661-5137	24 LED 24W/350 mA	4000	3024	0.58	12.8
	661-5140	12 LED 24W/700 mA	4000	2765	0.50	12.3
	661-5143	24 LED 48W/700 mA	4000	5530	1.00	12.8
VFL540-SE	661-6146	36 LED 36W/350 mA	4000	4536	0.86	18.1
	661-6149	48 LED 48W/350 mA	4000	6048	1.15	18.1
	661-6152	36 LED 72W/700 mA	4000	8294	1.50	18.1
	661-6155	48 LED 96W/700 mA	4000	11059	2.00	18.1



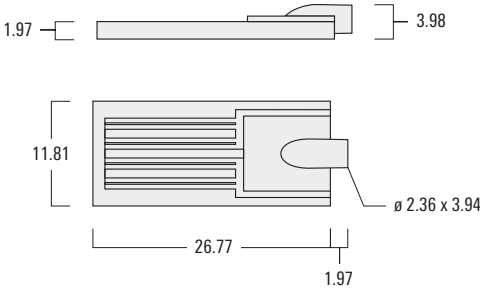
[S60]



[S65]



VFL530-SE



VFL540-SE

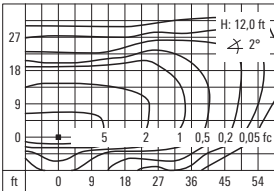
* Nominal lumen output based on LED manufacturers data at 85°C T_j. For rated lumens at 25°C T_a and latest data, refer to www.we-ef.com.
** Multiplier for footcandle value.



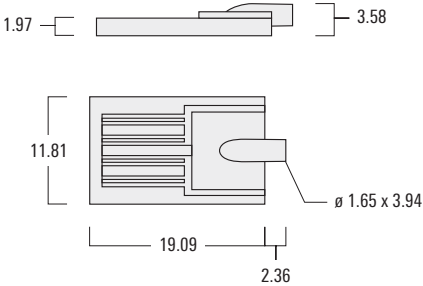
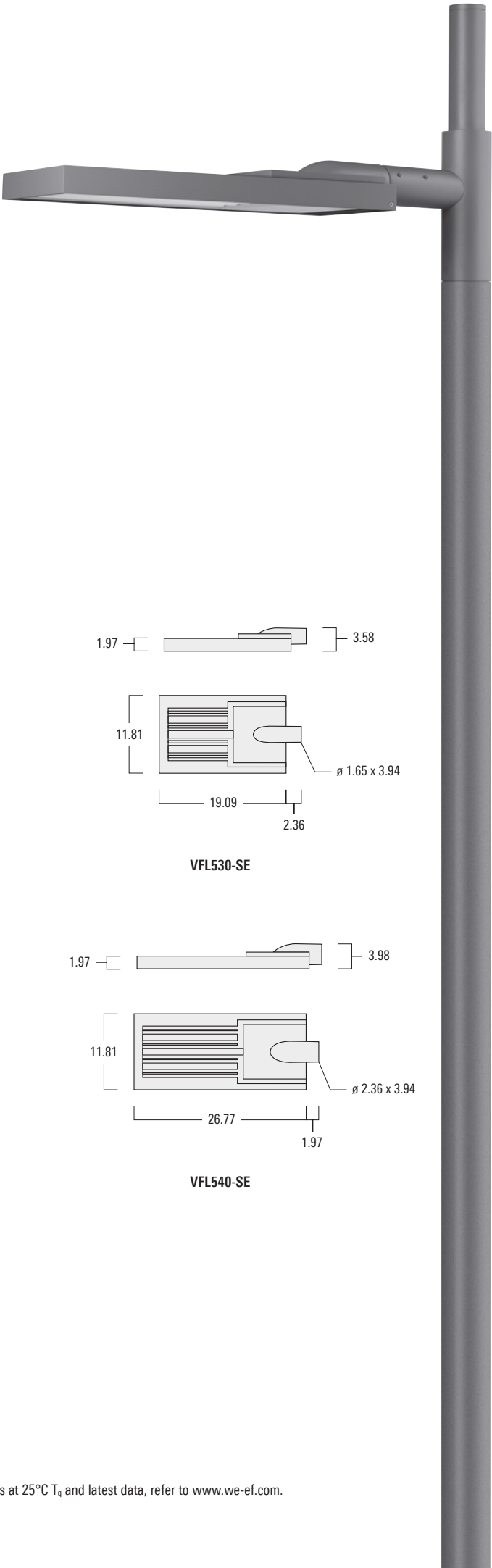
IOS Innovative Optical System:
[S70] Type II 'side throw' streetlighting distribution

Ordering guide:
Specify 7 digit part ID together with voltage and finish
(brackets and poles must be ordered separately).
Example: **661-5234 – 120 V – Black RAL 9004**

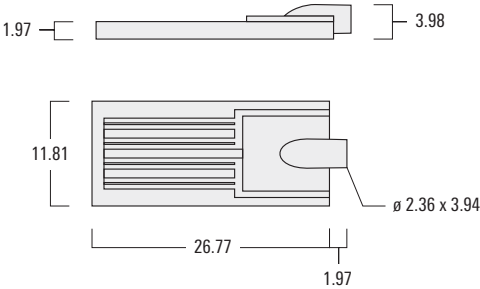
[S70]	Part ID	Light source	K	lm*	Factor**	lbs
VFL530-SE	661-5234	12 LED 12W/350 mA	4000	1512	0.29	12.3
	661-5237	24 LED 24W/350 mA	4000	3024	0.58	12.8
	661-5240	12 LED 24W/700 mA	4000	2765	0.50	12.3
	661-5243	24 LED 48W/700 mA	4000	5530	1.00	12.8
VFL540-SE	661-6246	36 LED 36W/350 mA	4000	4536	0.86	18.1
	661-6249	48 LED 48W/350 mA	4000	6048	1.15	18.1
	661-6252	36 LED 72W/700 mA	4000	8294	1.50	18.1
	661-6255	48 LED 96W/700 mA	4000	11059	2.00	18.1



[S70]



VFL530-SE



VFL540-SE

* 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.



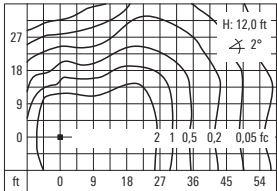
[A60] [R65]

IOS Innovative Optical System:
[A60] Type IV asymmetric 'forward throw' distribution
[R65] Type IV rectangular 'forward throw' distribution

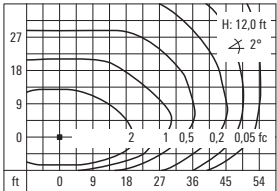
Ordering guide:
Specify 7 digit part ID together with voltage and finish
(brackets and poles must be ordered separately).
Example: 661-5434 – 120 V – Black RAL 9004

[A60]	Part ID	Light source	K	lm*	Factor**	lbs
VFL530-SE	661-5434	12 LED 12W/350 mA	4000	1512	0.29	12.3
	661-5437	24 LED 24W/350 mA	4000	3024	0.58	12.8
	661-5440	12 LED 24W/700 mA	4000	2765	0.50	12.3
	661-5443	24 LED 48W/700 mA	4000	5530	1.00	12.8
VFL540-SE	661-6446	36 LED 36W/350 mA	4000	4536	0.86	18.1
	661-6449	48 LED 48W/350 mA	4000	6048	1.15	18.1
	661-6452	36 LED 72W/700 mA	4000	8294	1.50	18.1
	661-6455	48 LED 96W/700 mA	4000	11059	2.00	18.1

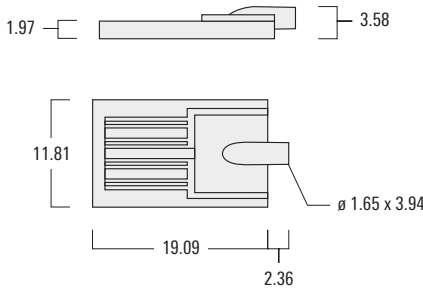
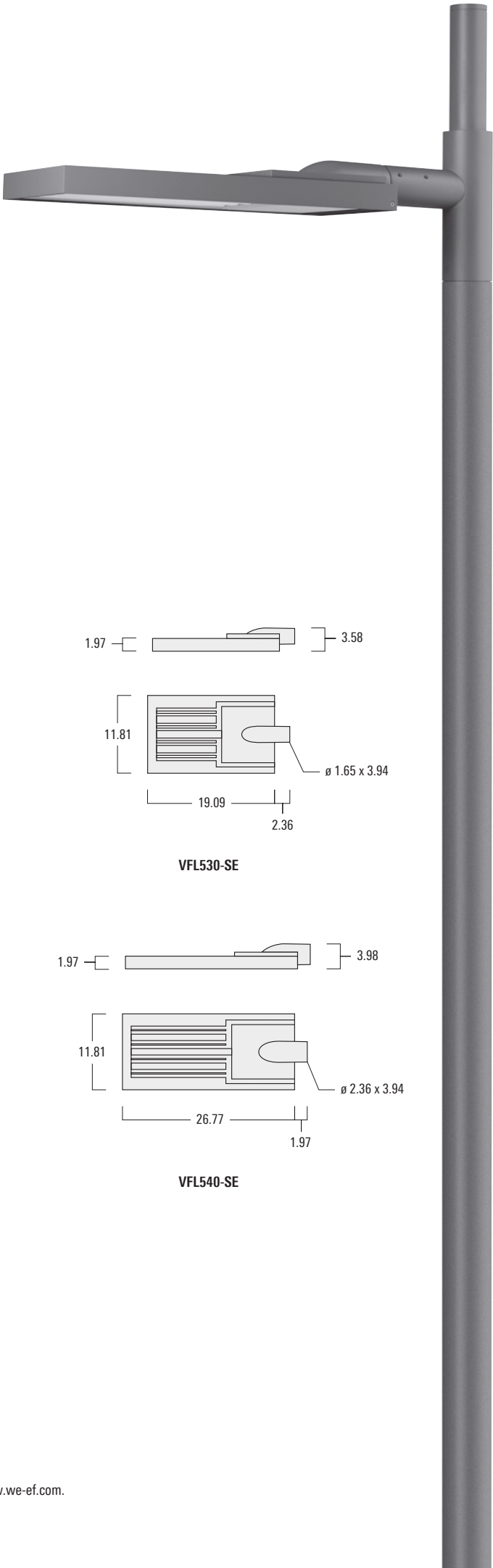
[R65]	Part ID	Light source	K	lm*	Factor**	lbs
VFL530-SE	661-5534	12 LED 12W/350 mA	4000	1512	0.29	12.3
	661-5537	24 LED 24W/350 mA	4000	3024	0.58	12.8
	661-5540	12 LED 24W/700 mA	4000	2765	0.50	12.3
	661-5543	24 LED 48W/700 mA	4000	5530	1.00	12.8
VFL540-SE	661-6546	36 LED 36W/350 mA	4000	4536	0.86	18.1
	661-6549	48 LED 48W/350 mA	4000	6048	1.15	18.1
	661-6552	36 LED 72W/700 mA	4000	8294	1.50	18.1
	661-6555	48 LED 96W/700 mA	4000	11059	2.00	18.1



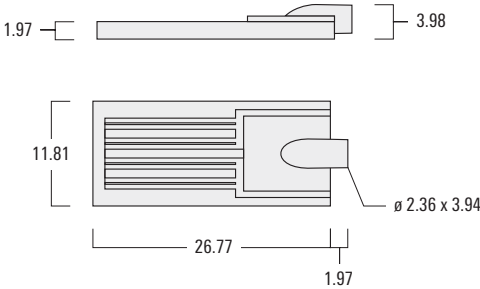
[A60]



[R65]



VFL530-SE



VFL540-SE

* 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.

MOUNTING ACCESSORIES – VFL500-SE SERIES

Wall and pole brackets. Marine-grade, die-cast aluminum alloy. Powdercoat finish in black RAL 9004, grey metallic RAL 9007 or white RAL 9016. Specify finish. Consult WE-EF color chart for other options.

Wall brackets – RE-530/RE-540			D/D1	C	lbs
for VFL530-SE	661-9300	RE0-530	9.06/7.68	7.09	6.4
for VFL540-SE	661-9303	RE0-540	9.06/7.68	7.09	7.1

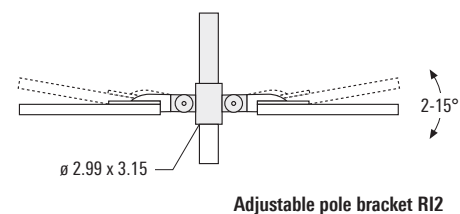
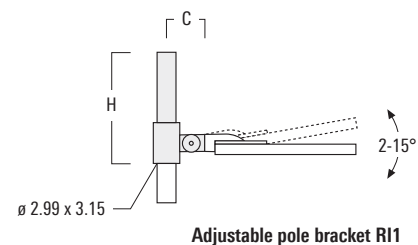
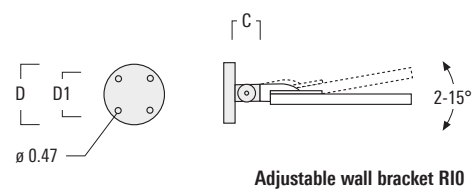
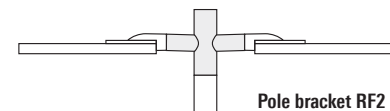
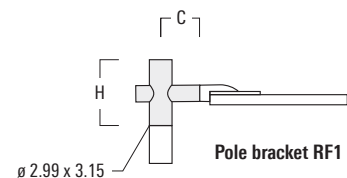
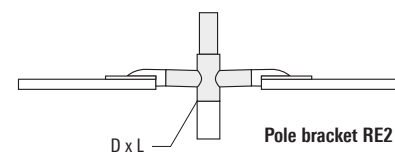
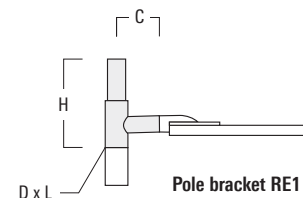
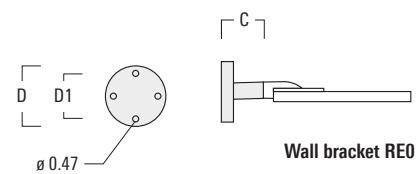
Pole brackets – RE-530/RE-540			D x L	H	C	lbs
for (1) VFL530-SE	661-9301	RE1-530	ø 2.99 x 3.15	15.75	7.09	7.1
for (2) VFL530-SE	661-9302	RE2-530	ø 2.99 x 3.15	15.75	7.09	7.9
for (1) VFL540-SE	661-9304	RE1-540	ø 2.99 x 5.12	21.65	7.87	10.1
for (2) VFL540-SE	661-9305	RE2-540	ø 2.99 x 5.12	21.65	7.87	11.7

Pole brackets – RF-530/RF-540				H	C	lbs
for (1) VFL530-SE	661-9311	RF1-530		10.83	7.48	5.1
for (2) VFL530-SE	661-9312	RF2-530		10.83	7.48	6.6
for (1) VFL540-SE	661-9313	RF1-540		11.81	7.87	5.7
for (2) VFL540-SE	661-9314	RF2-540		11.81	7.87	7.3

Adjustable wall brackets – RI-530/RI-540			D/D1	C	lbs
for VFL530-SE	661-9320	RI0-530	9.06/7.68	7.68	7.0
for VFL540-SE	661-9323	RI0-540	9.06/7.68	7.87	8.0

Adjustable pole brackets – RI-530/RI-540			D x L	H	C	lbs
for (1) VFL530-SE	661-9321	RI1-530	ø 2.99 x 3.15	18.70	7.68	10.0
for (2) VFL530-SE	661-9322	RI2-530	ø 2.99 x 3.15	18.70	7.68	13.0
for (1) VFL540-SE	661-9324	RI1-540	ø 2.99 x 3.15	20.67	7.87	12.0
for (2) VFL540-SE	661-9325	RI2-540	ø 2.99 x 3.15	20.67	7.87	14.0

Ordering guide:
Specify 7 digit part ID together with finish (luminaires and poles must be ordered separately).
Example: 661-9300 – Black RAL 9004





MOUNTING ACCESSORIES – VFL500-SE SERIES

Adjustable pole clamps, tilt brackets, wall and pole brackets. Marine-grade, die-cast aluminum alloy. Powdercoat finish in black RAL 9004, grey metallic RAL 9007 or white RAL 9016. Specify finish. Consult WE-EF color chart for other options.

Adjustable pole clamps – SI-530/SI-540			Pole diameter (D)*	C	lbs
for (1) VFL530-SE	661-9340	SI1-530	ø 3.0-3.5	7.68	7.0
for (1) VFL530-SE	661-9341	SI1-530	ø 4.0-4.5	7.68	8.0
for (1) VFL530-SE	661-9342	SI1-530	ø 4.5-5.25	7.68	9.0
for (1) VFL540-SE	661-9346	SI1-540	ø 3.0-3.5	7.68	11.0
for (1) VFL540-SE	661-9347	SI1-540	ø 4.0-4.5	7.68	12.0
for (1) VFL540-SE	661-9348	SI1-540	ø 4.5-5.25	7.68	14.0
for (2) VFL530-SE	661-9343	SI2-530	ø 3.0-3.5	7.68	9.0
for (2) VFL530-SE	661-9344	SI2-530	ø 4.0-4.5	7.68	11.0
for (2) VFL530-SE	661-9345	SI2-530	ø 4.5-5.25	7.68	12.0
for (2) VFL540-SE	661-9349	SI2-540	ø 3.0-3.5	7.68	16.0
for (2) VFL540-SE	661-9350	SI2-540	ø 4.0-4.5	7.68	17.0
for (2) VFL540-SE	661-9351	SI2-540	ø 4.5-5.25	7.68	18.0

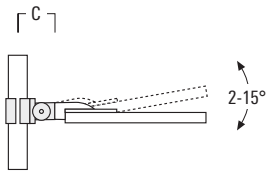
Tilt brackets – TB**			L	D1	D2	Angle	lbs
for VFL530-SE	661-9337	TB-530.42.10	8.07	ø 1.65 x 3.54	ø 1.65 x 3.94	7°	1.1
for VFL530-SE	661-9338	TB-530.42.15	8.07	ø 1.65 x 3.54	ø 1.65 x 3.94	13°	1.1
for VFL540-SE	661-9316	TB-540.60.10	8.07	ø 2.36 x 3.54	ø 2.36 x 3.94	7°	1.5
for VFL540-SE	661-9317	TB-540.60.15	8.07	ø 2.36 x 3.54	ø 2.36 x 3.94	13°	1.5

Wall brackets – RX-530/RX-540			H/H1	C	lbs
for VFL530-SE	661-9330	RX0-530	13.78/11.22	27.95	7.3
for VFL540-SE	661-9333	RX0-540	17.72/15.16	39.37	11.5

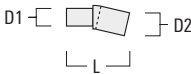
Pole brackets – RX-530/RX-540			D x L	H	C	lbs
for (1) VFL530-SE	661-9331	RX1-530	ø 2.99 x 3.15	15.75	27.95	9.9
for (2) VFL530-SE	661-9332	RX2-530	ø 2.99 x 3.15	15.75	27.95	13.7
for (1) VFL540-SE	661-9334	RX1-540	ø 2.99 x 5.12	21.65	39.37	15.0
for (2) VFL540-SE	661-9335	RX2-540	ø 2.99 x 5.12	21.65	39.37	21.4

Ordering guide:

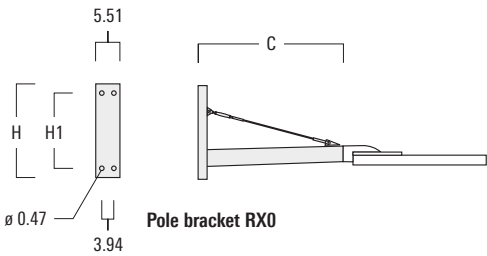
Specify 7 digit part ID together with finish (luminaires and poles must be ordered separately).
Example: 661-9340 – Black RAL 9004



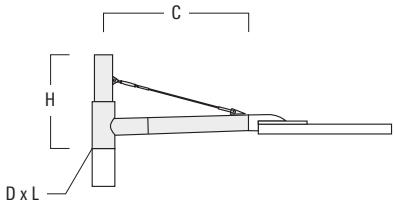
Adjustable pole clamps SI



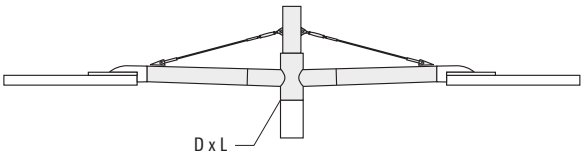
Tilt bracket TB



Pole bracket RX0

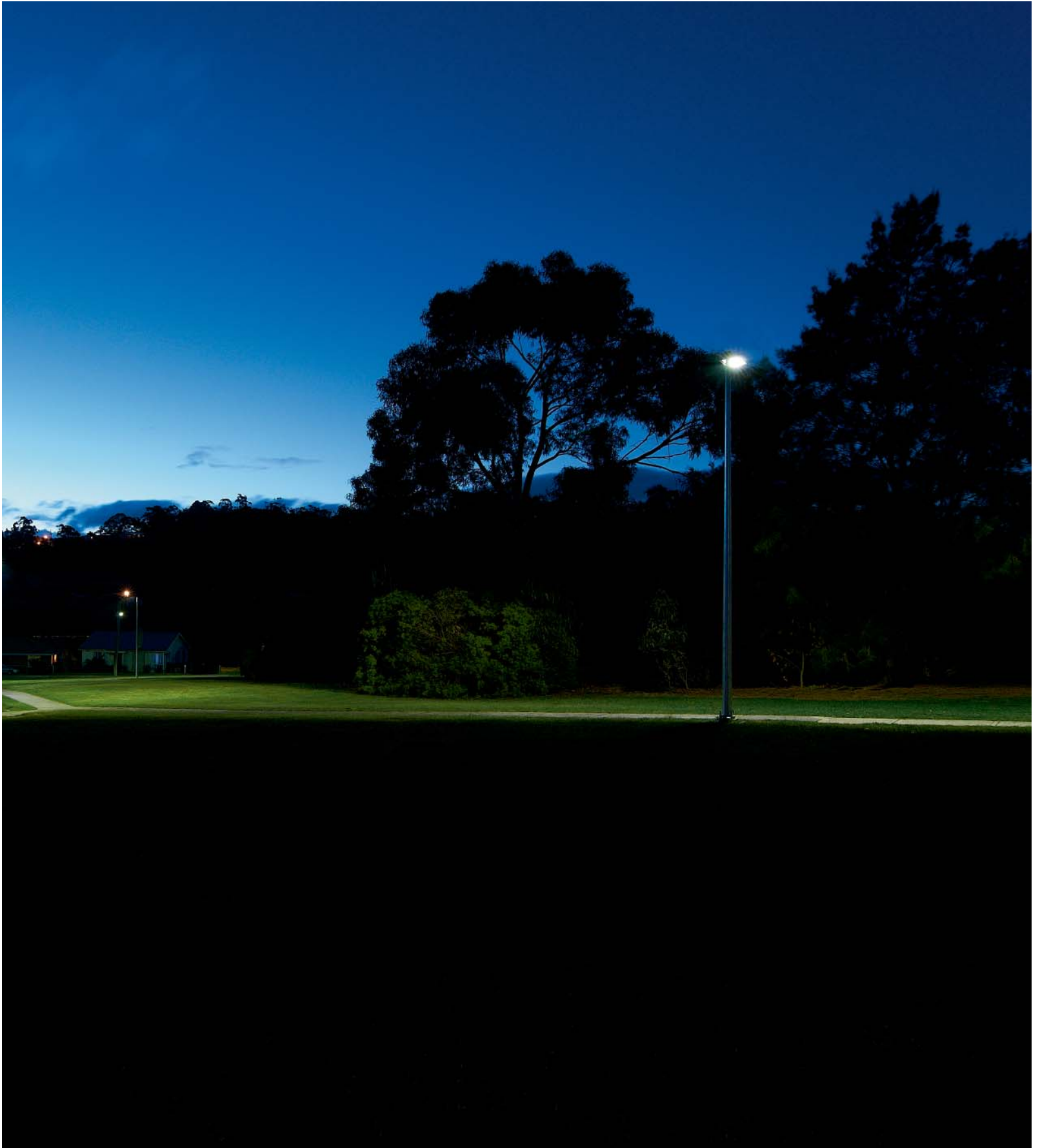


Pole bracket RX1



Pole bracket RX2

* Pole diameter (structural limitations of pole must be considered).
** For adjusting luminaire angle to adapt to davit arm.



FLA400 SERIES

Post mounted luminaire. 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. Hinged lens frame with 'no-tool' access. Anodized aluminum reflector. Silicone rubber gasket.

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

COSMOPOLIS: Integral [ECG] COSMOPOLIS ballast in 120 or 277 volt.

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

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

Specify voltage where applicable.

Recommended mounting height 8' to 32' depending on light source selected.

Light source:

CMH 70-150 W

COSMOPOLIS 90-140 W

ELITE CMH 210-315 W

PSMH 250-400 W

Beam distributions:

[S60] [A60]

Accessories:

■ Mounting, page 292

■ Optical, page 294

UL, cUL:

■ Suitable for wet locations

International Dark-Sky Association approved.



Autobahnmeisterei. Hittfeld (D).



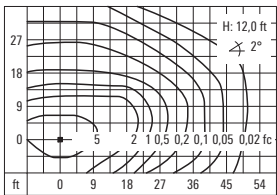
[S60] [A60]

IOS Innovative Optical System:
[S60] Type III 'side throw' streetlighting distribution
[A60] Type IV asymmetric 'forward throw' distribution

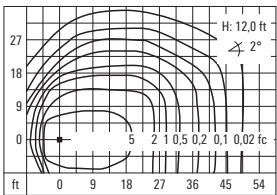
Ordering guide:
Specify 7 digit part ID together with voltage and finish
(brackets and poles must be ordered separately).
Example: 658-3391 – 120 V – Black RAL 9004

[S60]	Part ID	Light source	lm	Factor*	lbs
FLA441	658-3391	CPO-T90/PGZ12 base	10450	1.58	22.0
	658-3393	CPO-T140/PGZ12 base	16500	2.50	23.0
	658-3352	CMH70/T-6/G-12 base	6600	1.00	18.0
	658-3353	CMH150/T-6/G-12 base	14000	2.12	21.0
	658-3341	CMH100/ED17 clear/medium base	9500	1.44	21.0
FLA461	658-3343	CMH150/ED17 clear/medium base	14000	2.12	21.0
	658-5350	CMH210/T-9/PGZ18 base	24150	3.65	62.0
	658-5351	CMH315/T-9/PGZ18 base	37800	5.73	62.0
	658-5340	PSMH250/ED28 HOR clear/mogul base	22000	3.33	62.0
	658-5341	PSMH400/ED28 HOR clear/mogul base	40000	6.06	66.0

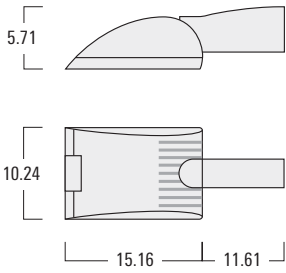
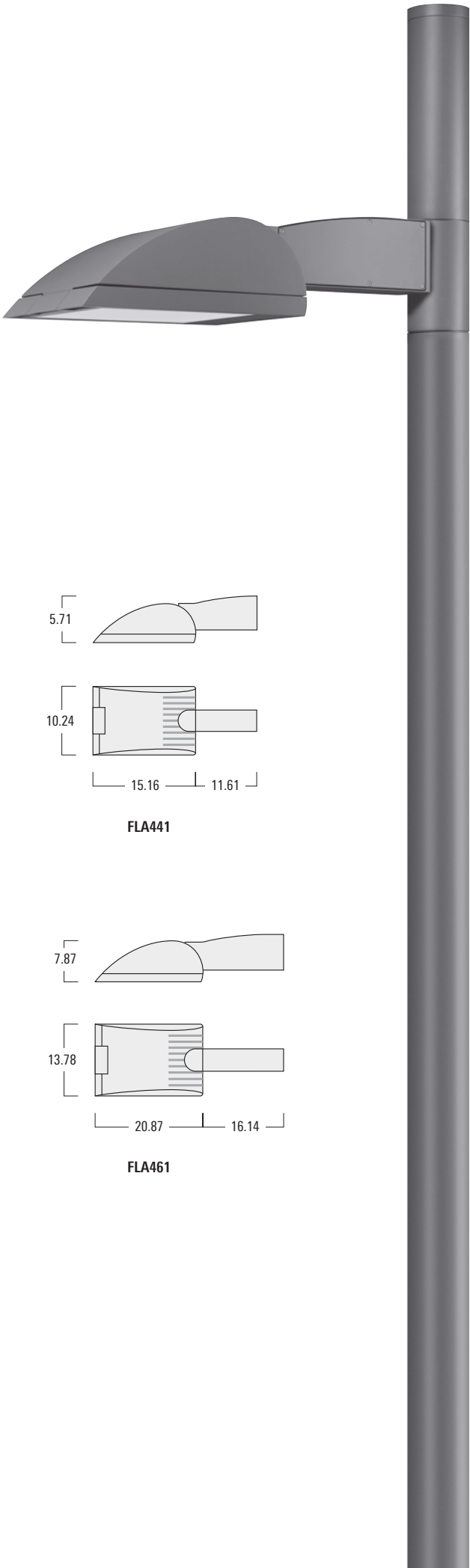
[A60]	Part ID	Light source	lm	Factor*	lbs
FLA441	658-3491	CPO-T90/PGZ12 base	10450	1.58	22.0
	658-3493	CPO-T140/PGZ12 base	16500	2.50	23.0
	658-3452	CMH70/T-6/G-12 base	6600	1.00	18.0
	658-3453	CMH150/T-6/G-12 base	14000	2.12	21.0
	658-3441	CMH100/ED17 clear/medium base	9500	1.44	21.0
FLA461	658-3443	CMH150/ED17 clear/medium base	14000	2.12	21.0
	658-5450	CMH210/T-9/PGZ18 base	24150	3.65	62.0
	658-5451	CMH315/T-9/PGZ18 base	37800	5.73	62.0
	658-5440	PSMH250/ED28 HOR clear/mogul base	22000	3.33	62.0
	658-5441	PSMH400/ED28 HOR clear/mogul base	40000	6.06	66.0



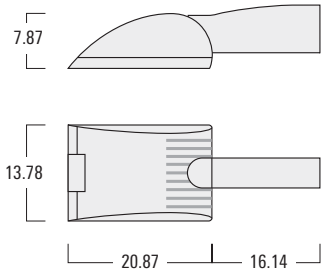
[S60]



[A60]



FLA441



FLA461

* Multiplier for footcandle value.

MOUNTING ACCESSORIES – FLA400 SERIES

Wall and pole brackets. Marine-grade aluminum construction. Aluminum/wooden brackets constructed from mahogany impregnated hardwood. Powdercoat finish in black RAL 9004, grey metallic RAL 9007 or white RAL 9016. Specify finish. Consult WE-EF color chart for other options.

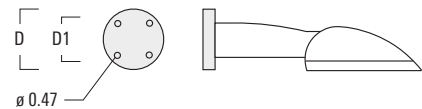
Aluminum wall brackets – EB-441/EB-461			D/D1	lbs
for FLA441	658-9301	EB0-441	7.09/5.91	2.0
for FLA461	658-9302	EB0-461	9.25/7.87	4.0

Aluminum pole brackets – EB-441/EB-461			H	lbs
for (1) FLA441	658-9330	EB1-441	28.94	24.0
for (1) FLA461	658-9340	EB1-461	28.94	24.0
for (2) FLA441	658-9331	EB2-441	28.94	24.0
for (2) FLA461	658-9341	EB2-461	28.94	24.0

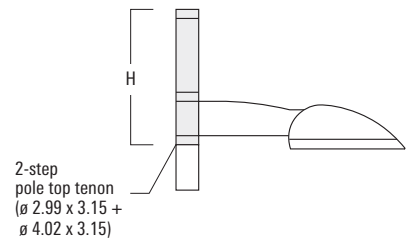
Wooden pole brackets – EB-441/EB-461			Wood	H	lbs
for (1) FLA441	658-9334	EB1-441-MA	Mahogany	28.94	24.0
for (1) FLA461	658-9344	EB1-461-MA	Mahogany	28.94	24.0
for (2) FLA441	658-9335	EB2-441-MA	Mahogany	28.94	24.0
for (2) FLA461	658-9345	EB2-461-MA	Mahogany	28.94	24.0

All EB1-441/461 and EB2-441/461 pole top brackets accept a 2-step pole top tenon:
ø 3 x 3.15 + ø 4 x 3.15

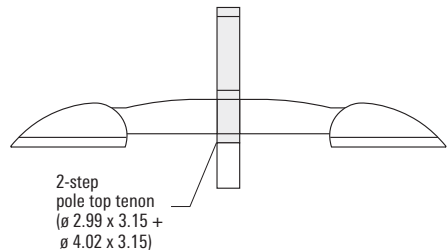
Ordering guide:
Specify 7 digit part ID together with finish (luminaires and poles must be ordered separately).
Example: **658-9301 – Black RAL 9004**



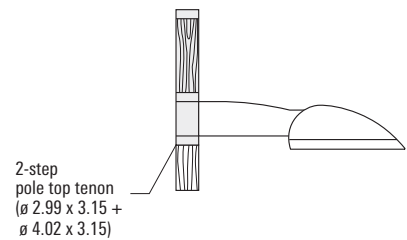
Wall bracket EB0



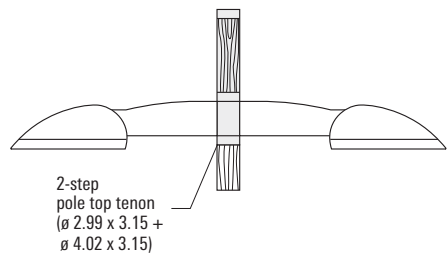
Pole bracket EB1



Pole bracket EB2



Pole bracket EB1



Pole bracket EB2



O2 Arena, London (UK). Architect: HOK Sports. Lighting design: ME Engineers.

OPTICAL ACCESSORIES – FLA400 SERIES

One internal optical accessory such as house-side shield, internal louver, linear spread lens, flood lens, or dichroic color filters.*

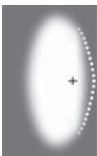
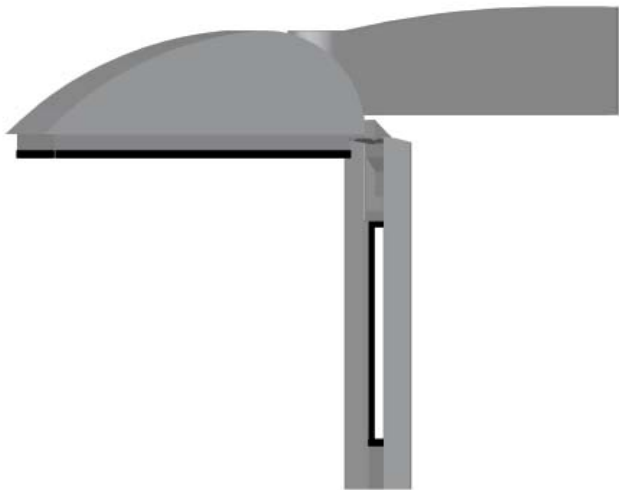
House-side shield – For [S60] type III 'side throw' streetlighting distributions.	
for FLA441 [S60]	658-9201
for FLA461 [S60]	658-9211

House-side shield – For [A60] type IV asymmetric 'forward throw' distribution.	
for FLA441 [A60]	658-9202
for FLA461 [A60]	658-9212

Internal louver – For [A60] type IV asymmetric 'forward throw' distribution (sidewards cut-off shielding).	
for FLA441 [A60]	658-9203
for FLA461 [A60]	658-9213

Internal flood lens – For [S60] type III 'side throw' streetlighting and [A60] type IV 'forward throw' distributions.	
for FLA441 [S60] [A60]	658-8102
for FLA461 [S60] [A60]	658-8122

Internal linear spread lens – For [A60] type IV asymmetric 'forward throw' distribution.	
for FLA441 [A60]	658-8101
for FLA461 [A60]	658-8121



House-side shield [S60]

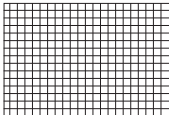


House-side shield [A60]

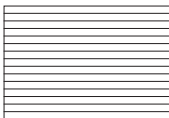


Internal louver [A60]

Internal flood lens



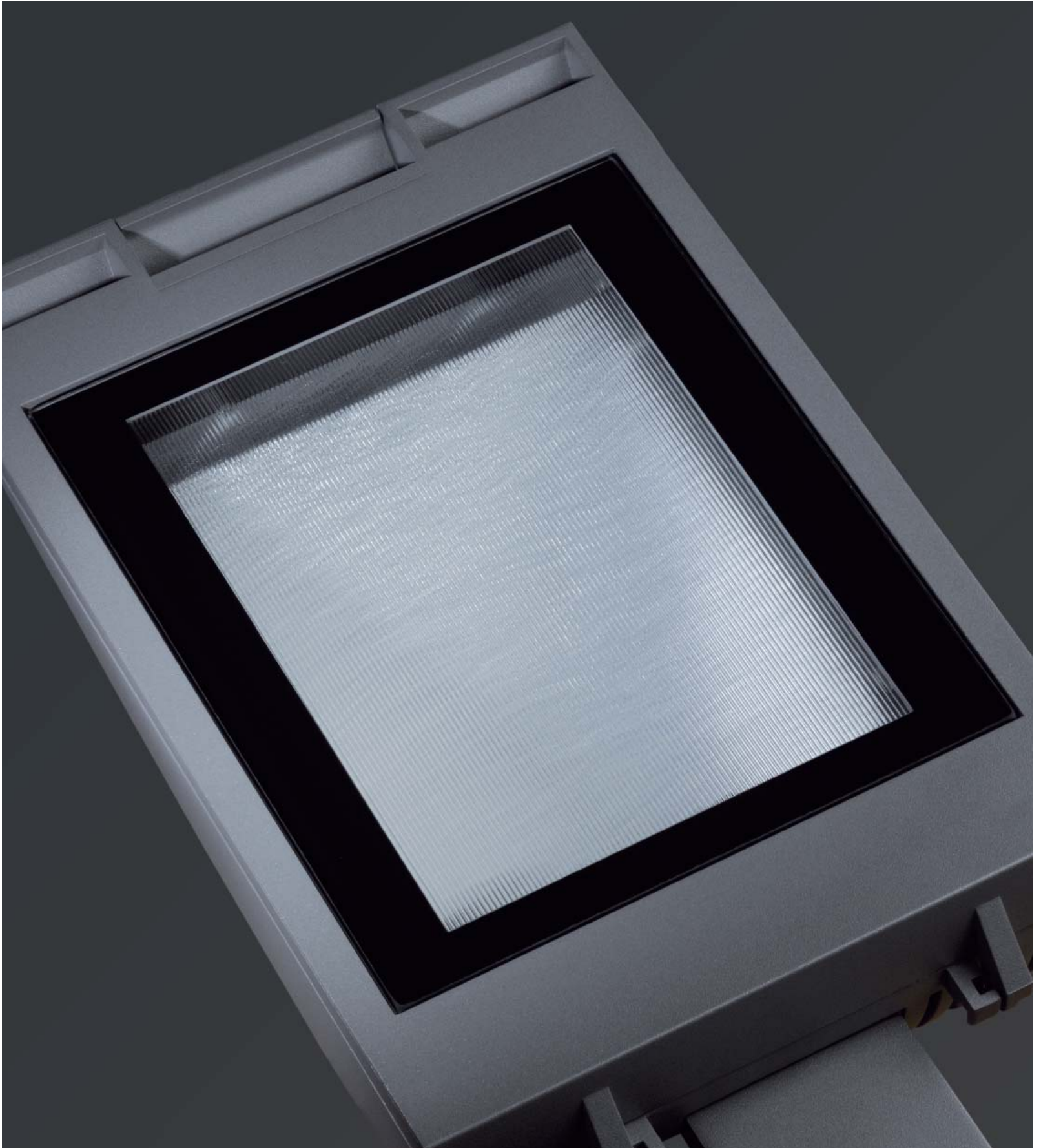
Internal linear spread lens



Color filters



* Absorption color filters in red, green, blue or yellow on request.



NFL300 SERIES

Post mounted luminaire. 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. Hinged lens frame with 'no-tool' access. Anodized aluminum reflector. Silicone rubber gasket.

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

COSMOPOLIS: Integral [ECG] COSMOPOLIS ballast in 120 or 277 volt.

Specify voltage where applicable.

Recommended mounting height 13' to 26' depending on light source selected.

Light source:

CMH 70-150 W

COSMOPOLIS 60-90 W

Beam distributions:

[S60] [A60]

Accessories:

■ Mounting, page 298

■ Optical, page 300

UL, cUL:

■ Suitable for wet locations

International Dark-Sky Association approved.



Santa Fe Railyard Park. Santa Fe (USA). Landscape architect: Ken Smith Workshop. Lighting design: Jim Conti Lighting Design.



[S60]

[A60]

IOS Innovative Optical System:

[S60] Type III 'side throw' streetlighting distribution

[A60] Type IV asymmetric 'forward throw' distribution

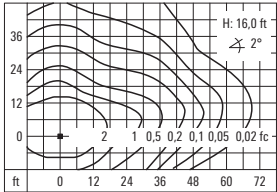
Ordering guide:

Specify 7 digit part ID together with voltage and finish
(brackets and poles must be ordered separately).

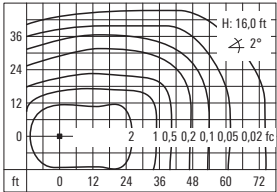
Example: 658-2390 – 120 V – Black RAL 9004

[S60]	Part ID	Light source	lm	Factor*	lbs
NFL340	658-2390	CPO-T60/PGZ12 base	6900	1.05	27.0
	658-2391	CPO-T90/PGZ12 base	10450	1.58	27.0
	658-2352	CMH70/T-6/G-12 base	6600	1.00	27.0
	658-2353	CMH150/T-6/G-12 base	14000	2.12	27.0
	658-2341	CMH70/ED17 clear/medium base	6200	0.94	27.0
	658-2342	CMH100/ED17 clear/medium base	9500	1.44	27.0
	658-2343	CMH150/ED17 clear/medium base	14000	2.12	27.0

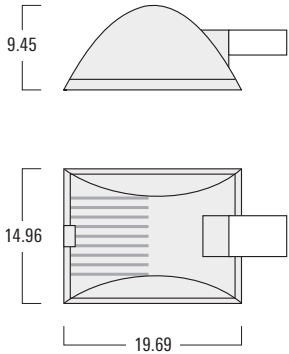
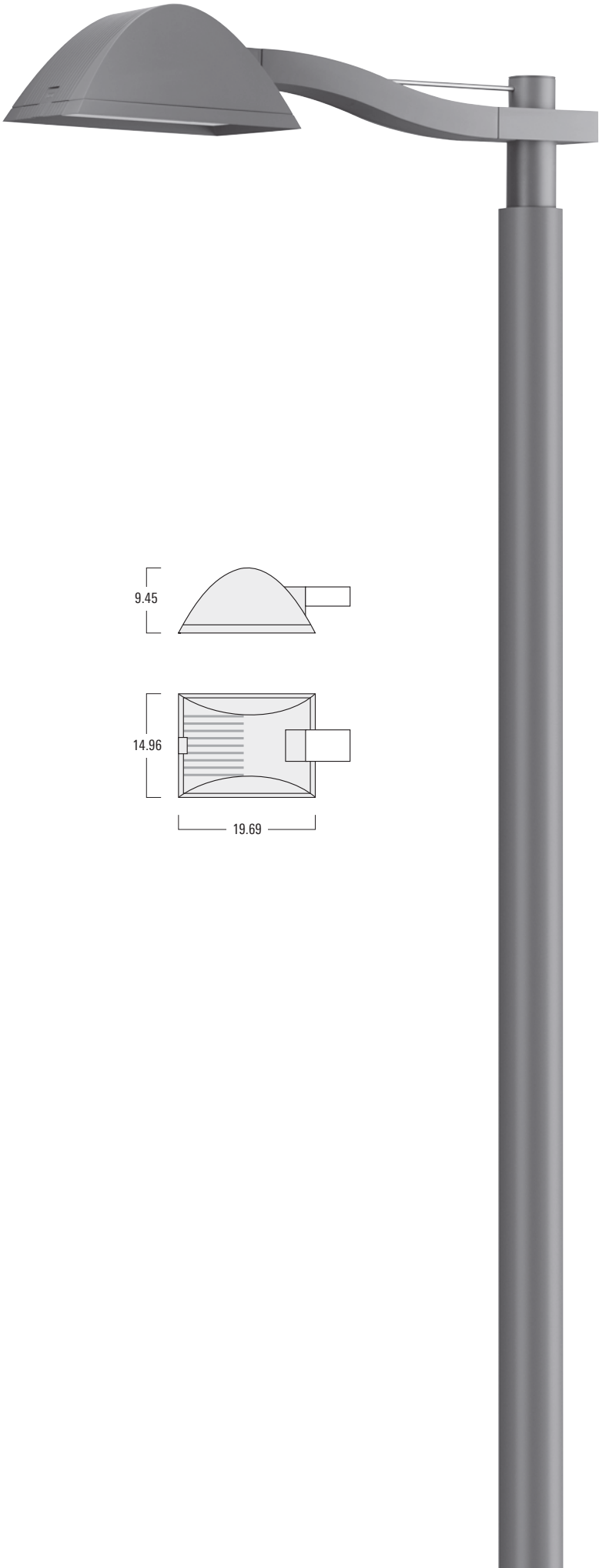
[A60]	Part ID	Light source	lm	Factor*	lbs
NFL340	658-2490	CPO-T60/PGZ12 base	6900	1.05	27.0
	658-2491	CPO-T90/PGZ12 base	10450	1.58	27.0
	658-2452	CMH70/T-6/G-12 base	6600	1.00	27.0
	658-2453	CMH150/T-6/G-12 base	14000	2.12	27.0
	658-2441	CMH70/ED17 clear/medium base	6200	0.94	27.0
	658-2442	CMH100/ED17 clear/medium base	9500	1.44	27.0
	658-2443	CMH150/ED17 clear/medium base	14000	2.12	27.0



[S60]



[A60]



* Multiplier for footcandle value.

MOUNTING ACCESSORIES – NFL300 SERIES

Wall and pole brackets. Marine-grade aluminum construction. Powdercoat finish in black RAL 9004, grey metallic RAL 9007 or white RAL 9016. Specify finish. Consult WE-EF color chart for other options.

Aluminum wall bracket – NL-340			C	lbs
for NFL340	658-9320	NL0-340	23.82	13.0

Aluminum pole brackets – NL-340			H	C	lbs
for (1) NFL340	658-9321	NL1-340	11.42	28.35	23.0
for (2) NFL340	658-9322	NL2-340	11.42	28.35	32.0

All NL1-340/NL2-340 pole top brackets accept a 2-step pole top tenon: ø 3 x 3.15 + ø 4 x 3.15

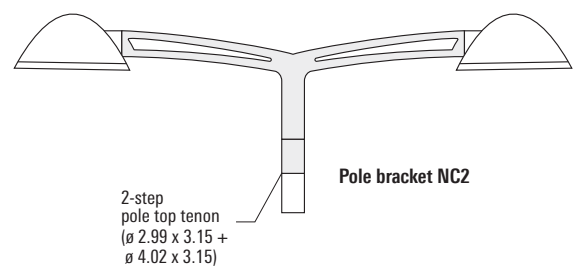
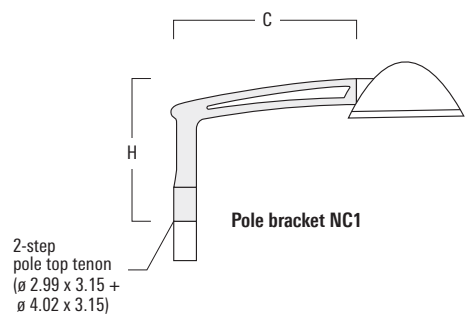
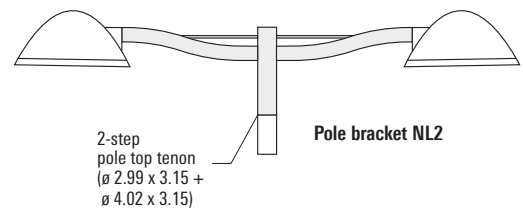
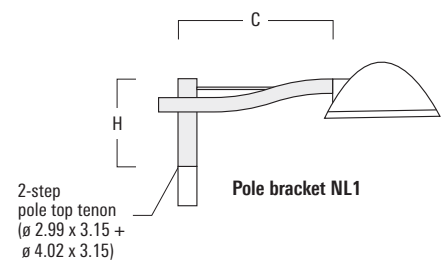
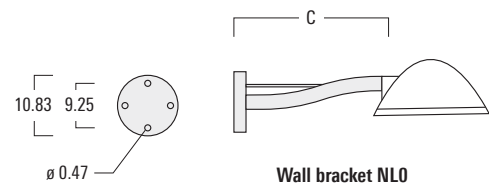
Aluminum pole brackets – NC-340			H	C	lbs
for (1) NFL340	658-9325	NC1-340	37.01	47.64	33.0
for (2) NFL340	658-9326	NC2-340	37.01	47.64	55.0

All NC1-340/NC2-340 pole top brackets accept a 2-step pole top tenon: ø 3 x 3.15 + ø 4 x 3.15

Ordering guide:

Specify 7 digit part ID together with finish (luminaires and poles must be ordered separately).

Example: 658-9320 – Black RAL 9004





Rue Lanessan. Champagne au Mont d' Or (F). Architect: Pierre-Philippe Garde, Cobalt. Lighting design: Pierre-Philippe Garde, Cobalt.

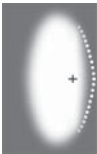
OPTICAL ACCESSORIES – NFL340 SERIES

One internal optical accessory such as house-side shield or internal louver.

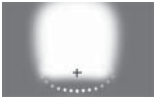
House-side shield – For [S60] type III 'side throw' streetlighting distributions.
for NFL340 [S60] **658-8201**

House-side shield – For [A60] type IV asymmetric 'forward throw' distribution.
for NFL340 [A60] **658-8202**

Internal louver – For [A60] type IV asymmetric 'forward throw' distribution (sideways cut-off shielding).
for NFL340 [A60] **658-8203**



House-side shield [S60]



House-side shield [A60]



Internal louver [A60]



IP66 C15m1   

WE-EF CONTROL BASIC

Factory programmed for single-step dimming in one 6-hour period dimmed to a 50% light output, calculated on a midpoint basis. The electronic module automatically adjusts for different circumstances (daylight savings, for example). No additional external dimmer or controller is required.

An Example of WE-EF Control Basic Operation

Luminaire and lamp are energized through a photocell at 6:00 pm, and turned off at 6:00 am, providing 12 hours of operation. The mid-point is then calculated as midnight. Since WE-EF Control Basic uses a 6-hour dimming period, the module recalculates the mid-point to automatically adjust for longer or shorter daylight periods. Eight- or 10-hour periods are also available. Refer to www.we-ef.com for detailed specification sheets.

690-6741	WE-EF Control Basic*
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Temporary Test Installation (100% luminous flux), George Street. Sydney (AUS). Planning: Sydney City Council.

* Luminaires with WE-EF Control Basic will not be provided with 10 kV surge protection SP10.

WE-EF CONTROL ADVANCED

Factory programmed to specifier or end-user requirements for multi-level/multi-period step dimming. WE-EF Control Advanced is available for up to five different periods, and light output can be 'dimmed' from 10% to 100%, depending on lamp type selected, calculated on a mid-point basis. The electronic module automatically adjusts for different circumstances (daylight savings, for example). No additional external dimmer or controller is required. For each lamp source there is a minimum dimmed level: LED down to 10% of maximum light output.

An Example of WE-EF Control Advanced Operation

Luminaire and lamp are energized through a photocell at 6:00 pm, and turned off at 6:00 am, providing 12 hours of operation. The specifier selects up to five different periods (D1-D5). This control system requires customer input for the desired number, length and desired light output level for each time period T1-T5. Refer to www.we-ef.com for detailed specification sheets.

690-6742

WE-EF Control Advanced*



Temporary Test Installation (50% luminous flux), George Street. Sydney (AUS). Planning: Sydney City Council.

* Luminaires with WE-EF Control Advanced will not be provided with 10 kV surge protection SP10.

WE-EF CONTROL DYNAMIC

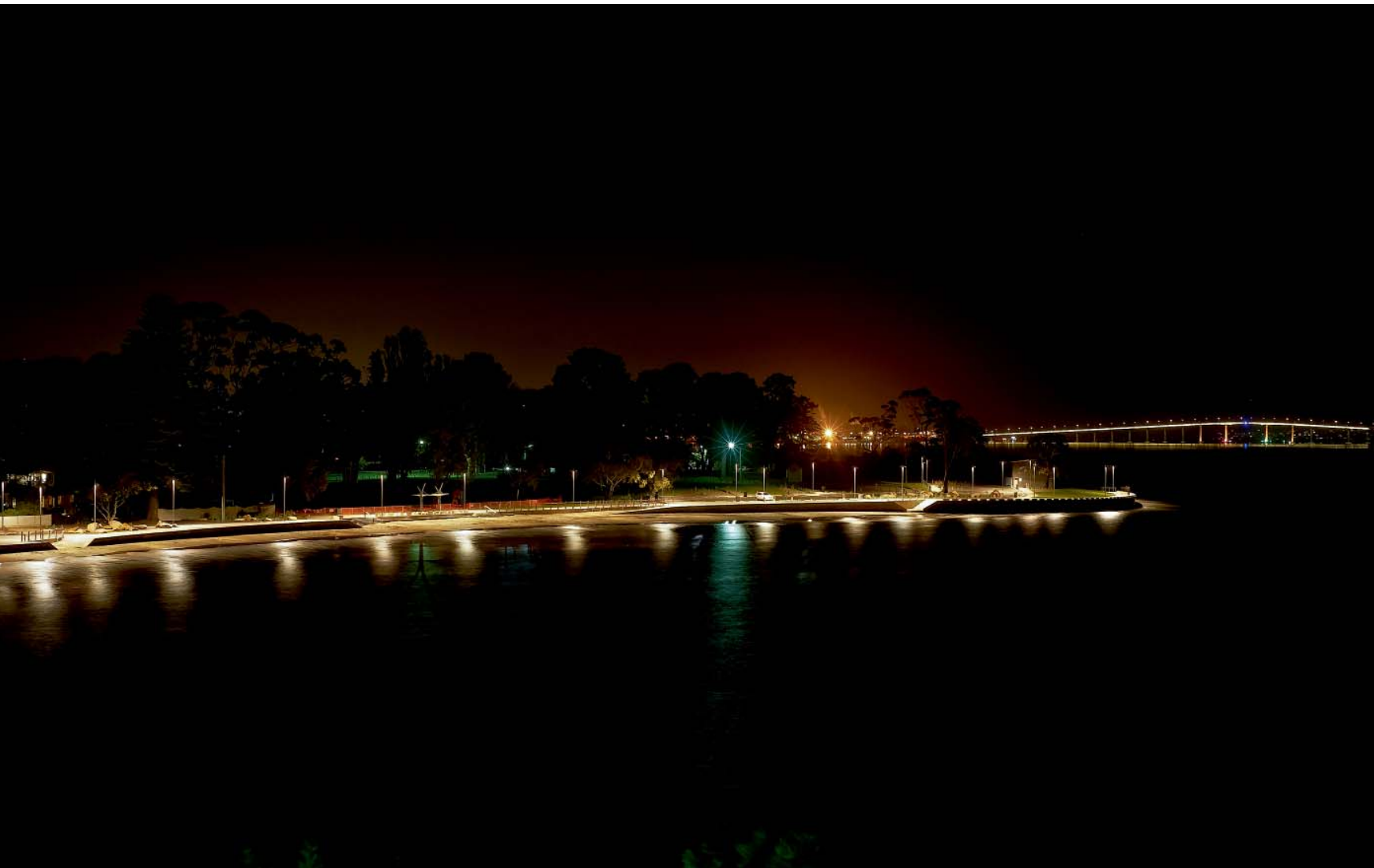
WE-EF Control Dynamic is a user-defined system that utilizes a Lumewave wireless control system. The system encompasses three major components: an on-site gateway, wireless control modules and LumeStar control software. LumeStar software allows a user to identify, control and monitor each luminaire from a computer. Luminaire group assignments, control profiles and event scheduling can be easily programmed through simple menus. Refer to www.we-ef.com for detailed specification sheets.

One Example of WE-EF Control Dynamic Operation

An on-site gateway transmits information through a wireless signal to control modules located on each luminaire. An integral photo cell signals luminaires to turn on at sunset to 70% output. At dark, the luminaire increases to 100%. Optional motion sensors provide high/low operation of 100% to 50%. At 10:00 pm high/low operation drops to 100% and 30%. At midnight, luminaires are turned off. Any motion detection turns lighting on to 100%. Luminaires are turned off after a time delay. One hour before sunrise, luminaires turn on to 70%. Luminaires turn off when photo cell threshold is reached.

690-6743	Wireless control module
690-6748	Ethernet gateway*
690-6749	Cellular gateway*
690-6750	LumeStar software

* Select either ethernet gateway or cellular gateway according to project application. Ethernet gateways pertain to projects with available local networks. Cellular gateways pertain to projects without available local networks or to long range roadway projects.



Sandy Bay, Hobart. Tasmania (AUS). Architect and Lighting design: Professional Services Team, Hobart City Council.

ACCESSORIES – WE-EF CONTROL

Pole and fixture mounted motion sensors that, when combined with any of the three WE-EF Control options, provides an override capability to increase the light output to a maximum level when the 'space' is interrupted by a moving object. Refer to www.we-ef.com for detailed specification sheets.

For use with WE-EF Control Basic and Advanced:

Pole mounted motion sensor – Motion 1. for RMC320/VFL530/VFL530-SE/VFL540/VFL540-SE/RFL530-SE LED/RFL540-SE LED/PFL240 LED	690-6744	Mounting height 8' to 10'
Fixture mounted motion sensor* – Motion 2. for VFL540-SE/PFL240 LED	690-6745	Mounting height up to 20'
Fixture mounted motion sensor* – Motion 3. for for VFL540-SE/PFL240 LED	690-6746	Mounting height 20' to 40'

For use with WE-EF Control Dynamic:

Pole mounted motion sensor – Motion 4. for RMC320/VFL530/VFL530-SE/VFL540/VFL540-SE/RFL530-SE LED/RFL540-SE LED/PFL240 LED	690-6747	Mounting height 8' to 10'
Fixture mounted motion sensor* – Motion 5. for VFL540-SE/PFL240 LED	690-6751	Mounting height up to 20'
Fixture mounted motion sensor* – Motion 6. for VFL540-SE/PFL240 LED	690-6752	Mounting height 20' to 40'

* Luminaires with fixture mounted motion sensors will not be supplied with 10 kV surge protection SP10.

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