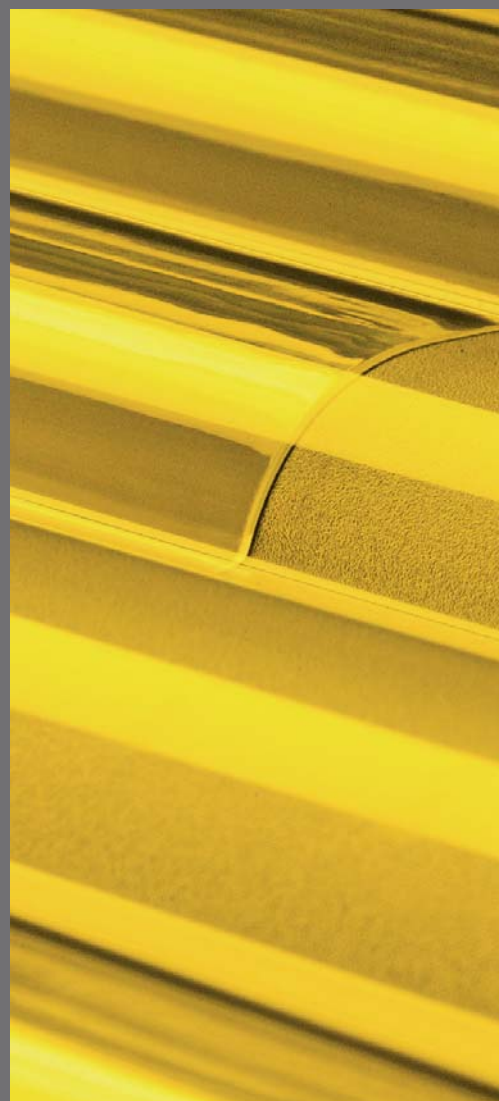
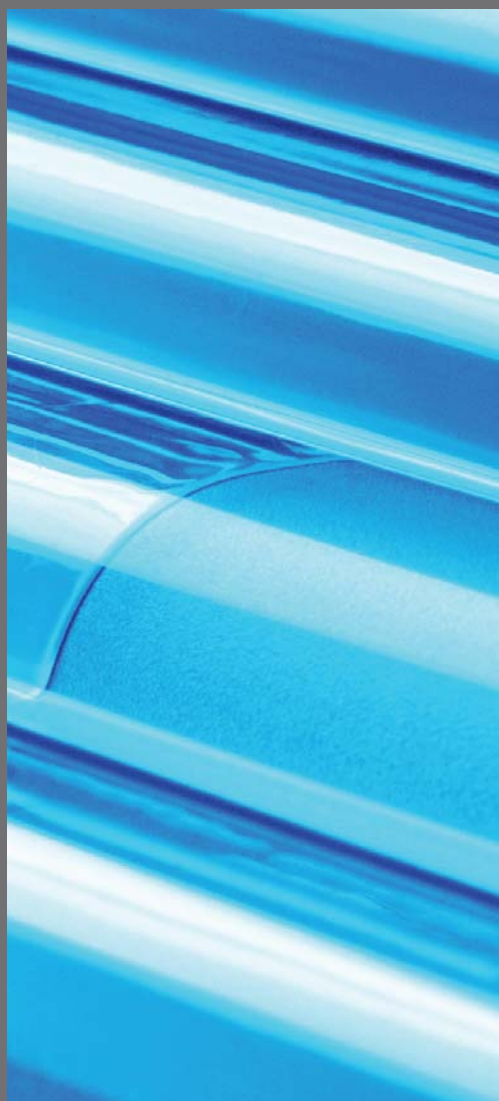


we-ef

WE-EF LIGHTING
North American Edition
2014-2016

Area Floodlights



AREA FLOODLIGHTS



FLA700 Series


Accessories
FLA700

FLA400 Series


Accessories
FLA400

376-379
FLA730
FLA740
FLA760
FLA780
HID

380-383
Mounting accessories

384-385
Electrical accessories
Optical accessories
HID

386-389
FLA440
FLA460
HID

390-393
Mounting accessories

394-395
Electrical accessories
Optical accessories
HID

FLA700 SERIES

Area floodlight. IP66. Marine-grade, die-cast aluminum alloy. 5CE superior corrosion protection including PCS hardware. Powdercoat finish in black RAL 9004, grey metallic RAL 9007 or white RAL 9016. Specify finish. Consult WE-EF color chart for other options. Clear tempered glass lens. Hinged lens frame with 'no-tool' access. Anodized aluminum reflector. Silicone rubber gasket. Integral control gear on hinged, 'no-tool' removable gear tray. Protractor scale for accurate aiming from 0° to 15° above horizontal.

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 33' depending on light source selected.

Light source:

CMH 20-150 W

COSMOPOLIS 60-140 W

ELITE CMH 210-315 W

PSMH 250-400 W

Beam distributions:

[S60] [A60]

Accessories:

■ Mounting, page 380-383

■ Optical, page 384

■ Electrical, page 384

UL, cUL:

■ Suitable for wet locations

International Dark-Sky Association approved.



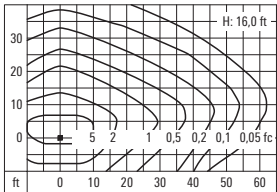
JetBlue Terminal, JFK Airport. New York (USA). Lighting design: Fisher Marantz Stone.



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

Ordering guide:
Specify 7 digit part ID together with voltage and finish.
Example: 683-3150 – 120 V – Black RAL 9004

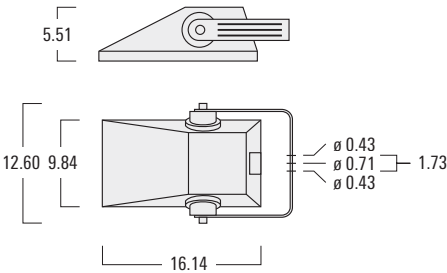
[S60]	Part ID	Light source	lm	Factor*	lbs
FLA730	683-3150	CMH20/T-6/G-12 base	1600	0.26	17.0
	683-3151	CMH39/T-6/G-12 base	3300	0.53	17.0
	683-3152	CMH70/T-6/G-12 base	6600	1.06	17.0
	683-3192	CPO-T-60W/PGZ12 base	6900	1.11	18.0
	683-4190	CPO-T-60W/PGZ12 base	6900	1.11	22.0
FLA740	683-4191	CPO-T-90W/PGZ12 base	10450	1.69	22.0
	683-4193	CPO-T-140W/PGZ12 base	16500	2.66	22.0
	683-4152	CMH70/T-6/G-12 base	6600	1.06	30.0
	683-4153	CMH100/T-6/G-12 base	9500	1.53	30.0
	683-4154	CMH150/T-6/G-12 base	14000	2.26	31.0
FLA760	683-4144	CMH70/ED-17 clear/medium base	6200	1.00	30.0
	683-4145	CMH100/ED-17 clear/medium base	9500	1.53	30.0
	683-4146	CMH150/ED-17 clear/medium base	14000	2.26	31.0
	683-6193	CPO-T-140W/PGZ12 base	16500	2.66	39.0
	683-6154	CMH210/T-9/WM ELITE/PGZ18 base	24150	3.90	39.0
	683-6155	CMH315/T-9/WM ELITE/PGZ18 base	37800	6.10	39.0
	683-6140	PSMH250/ED-28/HQR clear/mogul base	22000	3.55	45.0
	683-6142	PSMH320/ED-28/HQR clear/mogul base	30000	4.84	45.0
	683-6141	PSMH400/ED-28/HQR clear/mogul base	40000	6.45	50.0



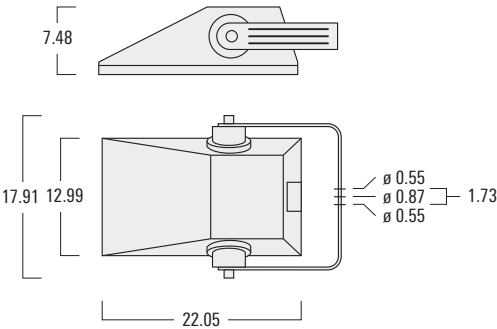
[S60]



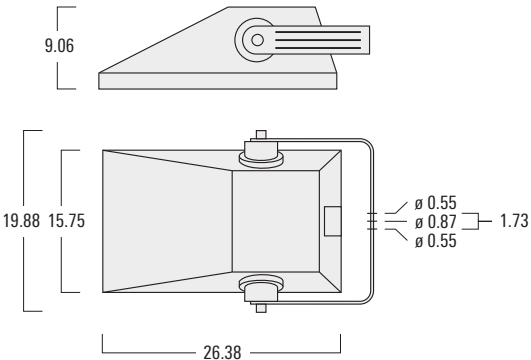
FLA730



FLA740



FLA760



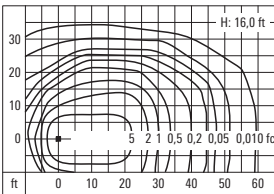
* Multiplier for footcandle value.



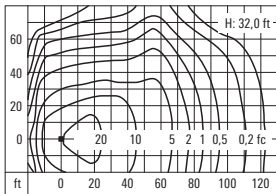
IOS Innovative Optical System:
[A60] Type IV asymmetric 'forward throw' distribution

Ordering guide:
Specify 7 digit part ID together with voltage and finish.
Example: 683-3050 – 120 V – Black RAL 9004

[A60]	Part ID	Light source	lm	Factor*	lbs
FLA730	683-3050	CMH20/T-6/G-12 base	1600	0.26	17.0
	683-3051	CMH39/T-6/G-12 base	3300	0.53	17.0
	683-3052	CMH70/T-6/G-12 base	6600	1.06	17.0
	683-3092	COS60/PGZ12 base	6900	1.11	18.0
FLA740	683-4090	CPO-T-60W/PGZ12 base	6900	1.11	22.0
	683-4091	CPO-T-90W/PGZ12 base	10450	1.69	22.0
	683-4093	CPO-T-140W/PGZ12 base	16500	2.66	22.0
	683-4052	CMH70/T-6/G-12 base	6600	1.06	30.0
	683-4053	CMH100/T-6/G-12 base	9500	1.53	30.0
	683-4054	CMH150/T-6/G-12 base	14000	2.26	31.0
FLA760	683-4044	CMH70/ED-17 clear/medium base	6200	1.00	30.0
	683-4045	CMH100/ED-17 clear/medium base	9500	1.53	30.0
	683-4046	CMH150/ED-17 clear/medium base	14000	2.26	31.0
	683-6093	CPO-T-140W/PGZ12 base	16500	2.66	39.0
	683-6054	CMH210/T-9/WM ELITE/PGZ18 base	24150	3.90	39.0
	683-6055	CMH315/T-9/WM ELITE/PGZ18 base	37800	6.10	39.0
FLA780	683-6040	PSMH250/ED-28/HOR clear/mogul base	22000	3.55	45.0
	683-6042	PSMH320/ED-28/HOR clear/mogul base	30000	4.84	45.0
	683-6041	PSMH400/ED-28/HOR clear/mogul base	40000	6.45	50.0
FLA780	683-7051	MH1000/T-25/Mogul base	110000	1.00	60.0



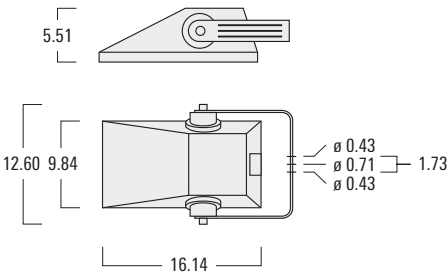
[A60] – FLA730/740/760



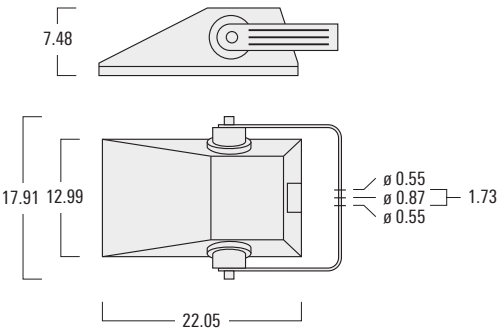
[A60] – FLA780



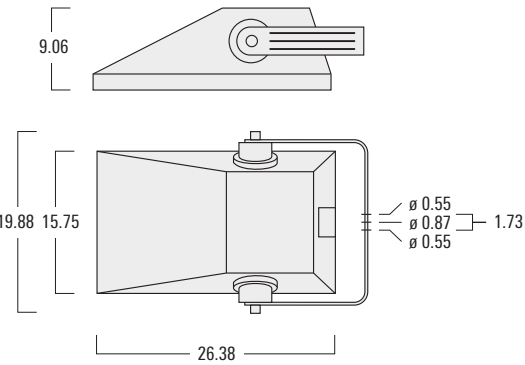
FLA730



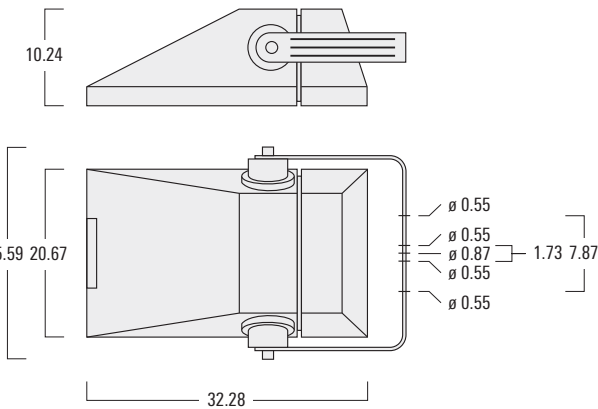
FLA740

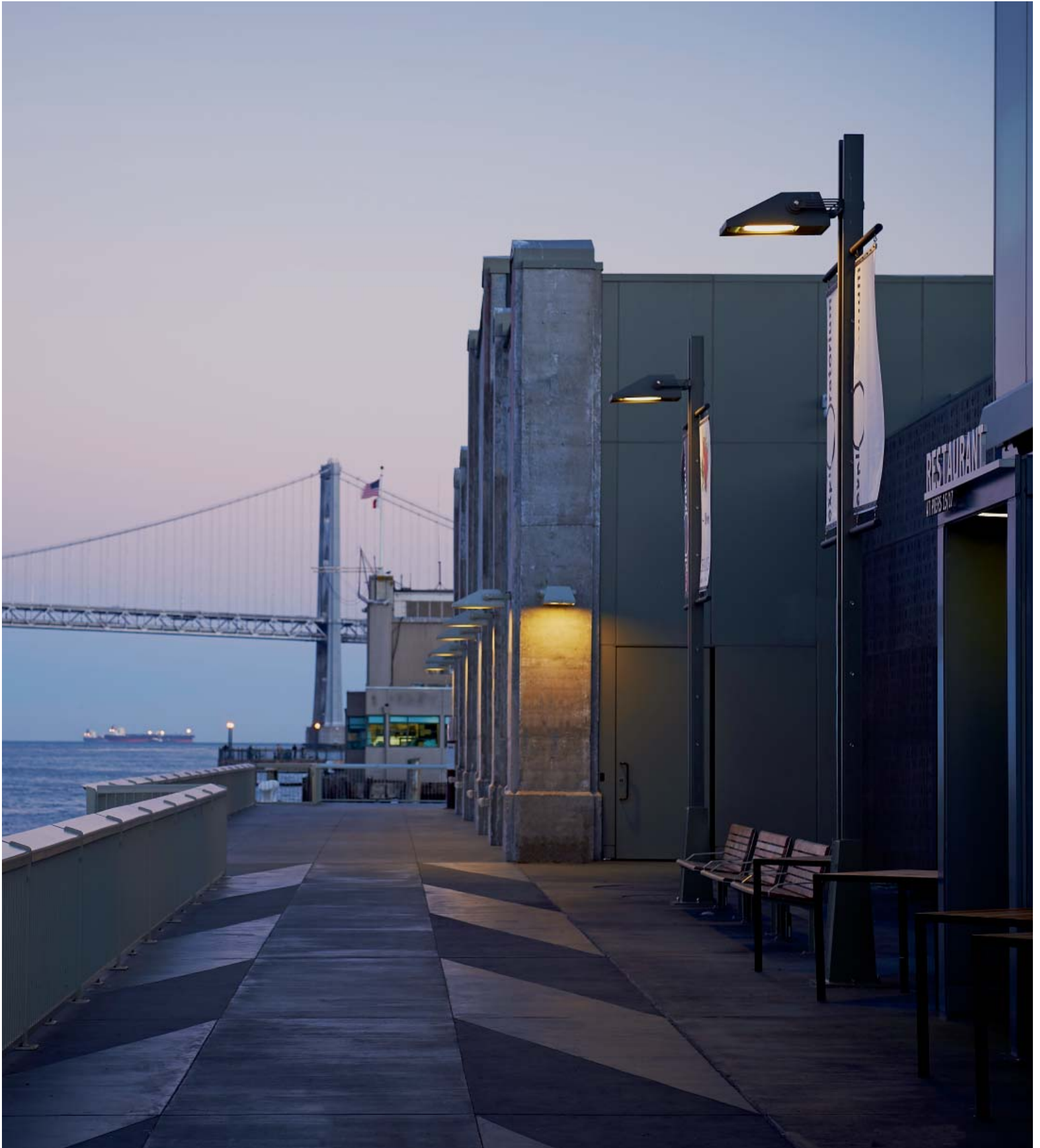


FLA760



FLA780





Exploratorium. San Francisco (USA). Architect: EHDD. Lighting design: David Nelson & Associates.

MOUNTING ACCESSORIES – FLA700 SERIES

Surface mount canopies and pole clamps for area floodlights. 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.

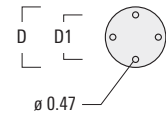
Surface mount canopy – SMC-730/SMC-740/SMC-760/SMC-780			D/D1	lbs
for FLA730	683-9327	SMC-730	(ø 9.09/ø 7.68)	4.0
for FLA740	683-9328	SMC-740	(ø 9.06/ø 7.68)	6.0
for FLA760	683-9329	SMC-760	(ø 10.83/ø 9.25)	7.0
for FLA780	683-9330	SMC-780	(ø 10.83/ø 9.25)	7.0

Suitable for mounting area floodlight to any horizontal or vertical surface over a recessed junction box. Surface mount canopy provided with stainless steel hardware and a watertight cable gland.

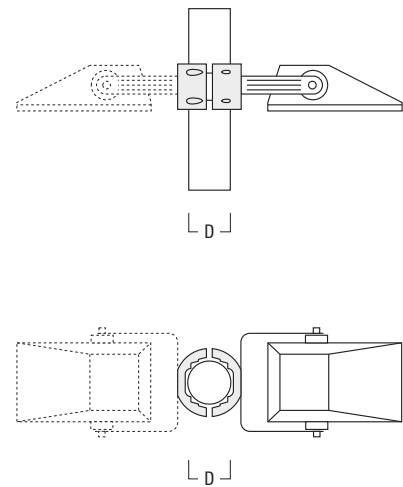
Pole clamps – TS-730/TS-740/TS-760/TS-780			Pole diameter (D)	lbs
for (1) FLA730	683-9331	TS1-2-730	(ø 3.0-3.50)	4.0
for (1) FLA730	683-9333	TS1-2-730	(ø 4.0-4.50)	4.0
for (1) FLA740	683-9301	TS1-2-740	(ø 3.0-3.50)	4.0
for (1) FLA740	683-9305	TS1-2-740	(ø 4.0-4.50)	4.0
for (1) FLA740	683-9311	TS1-2-740	(ø 4.50-5.25)	4.0
for (1) FLA760/780	683-9303	TS1-2-760/780	(ø 3.0-3.50)	4.0
for (1) FLA760/780	683-9307	TS1-2-760/780	(ø 4.0-4.50)	4.0
for (1) FLA760/780	683-9313	TS1-2-760/780	(ø 4.50-5.25)	4.0
for (2) FLA730	683-9332	TS2-2-730	(ø 3.0-3.50)	4.0
for (2) FLA730	683-9334	TS2-2-730	(ø 4.0-4.50)	4.0
for (2) FLA740	683-9302	TS2-2-740	(ø 3.0-3.50)	4.0
for (2) FLA740	683-9306	TS2-2-740	(ø 4.0-4.50)	4.0
for (2) FLA740	683-9312	TS2-2-740	(ø 4.50-5.25)	4.0
for (2) FLA760/780	683-9304	TS2-2-760/780	(ø 3.0-3.50)	4.0
for (2) FLA760/780	683-9308	TS2-2-760/780	(ø 4.0-4.50)	4.0
for (2) FLA760/780	683-9314	TS2-2-760/780	(ø 4.50-5.25)	4.0

Installer is required to drill and tap pole as necessary for power supply cord and cord grip.

Surface mount canopy SMC



Pole clamp TS1/TS2



Ordering guide:

Specify 7 digit part ID together with finish (luminaires and poles must be ordered separately).
Example: 683-9327 – Black RAL 9004



Stadtplatz am Kaisersteg. Berlin (D). Architect: Böhm, Benfer, Zahiri BBZL. Lighting design: DS-Lichtkonzept.

MOUNTING ACCESSORIES – FLA700 SERIES

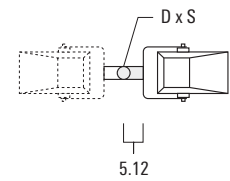
Mounting brackets for area floodlights. Made from hot dipped galvanized steel. 5CE superior corrosion protection including PCS hardware. Powdercoat finish in black RAL 9004, grey metallic RAL 9007 or white RAL 9016. Specify finish. Consult WE-EF color chart for other options.

Mounting brackets – TA			D x S	lbs
for (1) FLA730	667-9307	TA1-730	ø 3.0 x 7.87 long	4.0
for (1) FLA740/760	667-9310	TA1-740/760	ø 3.0 x 7.87 long	5.0
for (1) FLA760/780	667-9315	TA1-760/780	ø 4.25 x 7.87 long	17.0
for (2) FLA730	667-9308	TA2-730	ø 3.0 x 7.87 long	5.0
for (2) FLA740/760	667-9311	TA2-740/760	ø 3.0 x 7.87 long	5.0
for (2) FLA740/760	667-9312	TA2-L-740/760	ø 3.0 x 7.87 long	36.0
for (2) FLA760/780	667-9316	TA2-760/780	ø 4.25 x 7.87 long	17.0
for (2) FLA760/780	667-9317	TA2-L-760/780	ø 4.25 x 7.87 long	45.0
for (3) FLA730	667-9309	TA3-730	ø 3.0 x 7.87 long	40.0
for (3) FLA740/760	667-9313	TA3-740/760	ø 3.50 x 7.87 long	46.0
for (3) FLA760/780	667-9318	TA3-L-760/780	ø 4.25 x 7.87 long	54.0
for (4) FLA740/760	667-9314	TA4-L-740/760	ø 3.50 x 7.87 long	50.0
for (4) FLA760/780	667-9319	TA4-L-760/780	ø 4.25 x 7.87 long	58.0

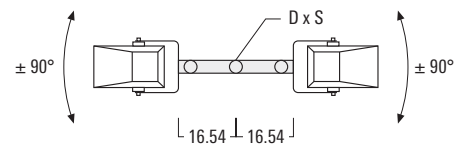
Ordering guide:

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

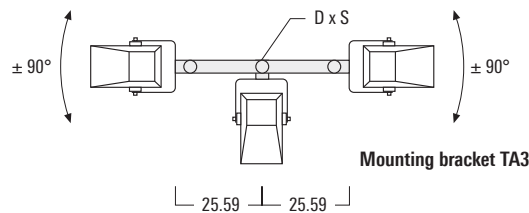
Example: 667-9307 – Black RAL 9004



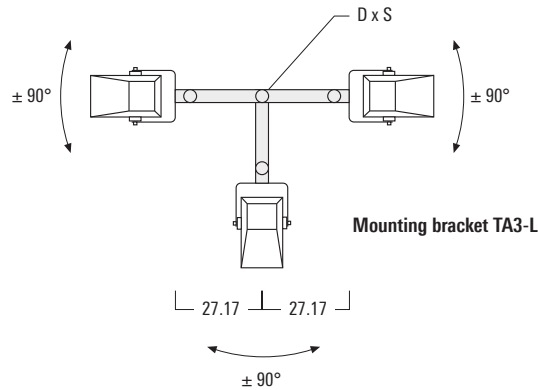
Mounting bracket TA1/TA2



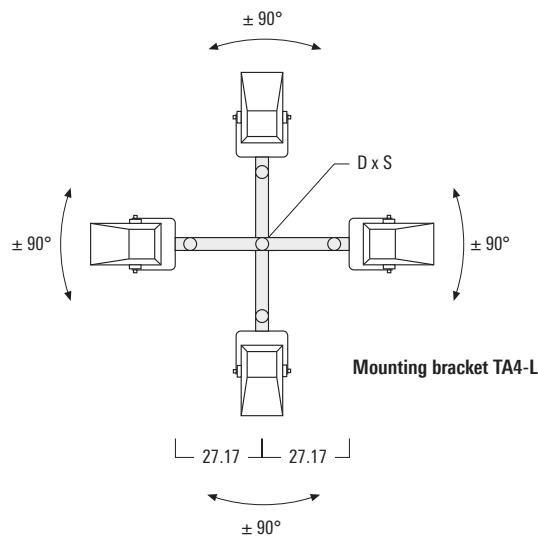
Mounting bracket TA2-L



Mounting bracket TA3



Mounting bracket TA3-L



Mounting bracket TA4-L



Keyes European Van Nuys Expansion. Van Nuys (USA). Architect: Dennis Flynn Architects, Inc. Lighting design: Lighting Design Alliance.

ELECTRICAL AND OPTICAL ACCESSORIES – FLA700 SERIES

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

Electrical Accessories:

EMQ – Integral electronic emergency quartz re-strike (100 watt T4 halogen lamp max.).

for FLA730/740/760 **697-8004**

Twist-lock photocell receptacle – For NEMA base photocells. Photocell by others.

for FLA730/740/760 **697-8006**

Optical Accessories:

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

for FLA730 [S60] **683-8231**

for FLA740 [S60] **683-8241**

for FLA760 [S60] **683-8261**

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

for FLA730 [A60] **683-8233**

for FLA740 [A60] **683-8243**

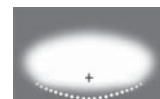
for FLA760 [A60] **683-8263**

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

for FLA730 [A60] **683-8232**

for FLA740 [A60] **683-8242**

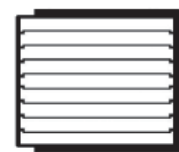
for FLA760 [A60] **683-8262**



House-side shield [S60]



House-side shield [A60]



Internal louver [A60]



Keyes European Van Nuys Expansion. Van Nuys (USA). Architect: Dennis Flynn Architects, Inc. Lighting design: Lighting Design Alliance.

FLA400 SERIES

Area floodlight. IP66. Marine-grade, die-cast aluminum alloy. 5CE superior corrosion protection including PCS hardware. Powdercoat finish in black RAL 9004, grey metallic RAL 9007 or white RAL 9016. Specify finish. Consult WE-EF color chart for other options. Clear tempered glass lens. Hinged lens frame with 'no-tool' access. Anodized aluminum reflector. Silicone rubber gasket. Integral control gear on hinged, 'no-tool' removable gear tray.

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 20' to 33' depending on light source selected.

Luminaire can be mounted as an uplight or downlight.

Light source:

CMH 70-150 W

COSMOPOLIS 60-140 W

ELITE CMH 210-315 W

PSMH 250-400 W

Beam distributions:

[S60] [A60]

Accessories:

■ Mounting, page 390-393

■ Optical, page 394

■ Electrical, page 394

UL, cUL:

■ Suitable for wet locations

International Dark-Sky Association approved.



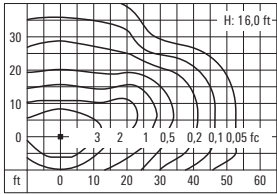
Goodwill Bridge. Brisbane (AUS). Architect: Cox Rayner Architects. Lighting design: Webb's Australia.



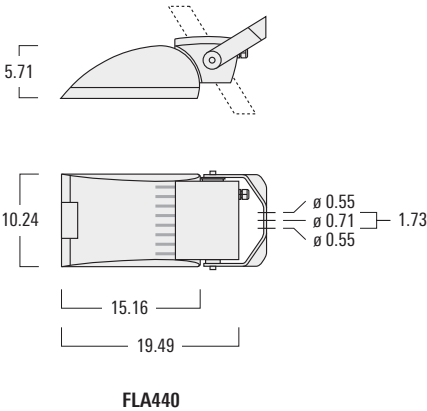
IOS Innovative Optical System:
[S60] Type III 'side throw' streetlighting distribution

Ordering guide:
Specify 7 digit part ID together with voltage and finish.
Example: 684-4190 – 120 V – Black RAL 9004

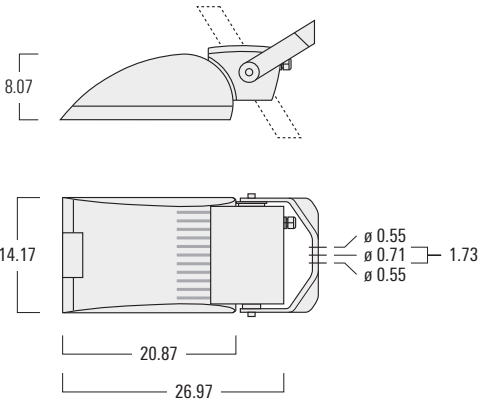
[S60]	Part ID	Light source	lm	Factor*	lbs
FLA440	684-4190	CPO-T-60W/PGZ12 base	6900	1.05	21.0
	684-4191	CPO-T-90W/PGZ12 base	10450	1.58	21.0
	684-4193	CPO-T-140W/PGZ12 base	16500	2.50	21.0
	684-4151	CMH70/T-6/G-12 base	6600	1.00	21.0
	684-4153	CMH100/T-6/G-12 base	9500	1.44	21.0
	684-4152	CMH150/T-6/G-12 base	14000	2.12	21.0
FLA460	684-6145	CMH100/ED-17 clear/medium base	9500	1.44	62.0
	684-6146	CMH150/ED-17 clear/medium base	14000	2.12	62.0
	684-6151	CMH210/T-9/WM ELITE/PGZ18 base	24150	3.65	62.0
	684-6152	CMH315/T-9/WM ELITE/PGZ18 base	37800	5.73	62.0
	684-6141	PSMH250/ED-28/HOR clear	22000	3.33	62.0
	684-6142	PSMH400/ED-28/HOR clear	40000	6.06	62.0



[S60]



FLA440



FLA460

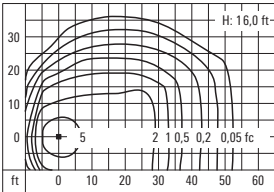
* Multiplier for footcandle value.



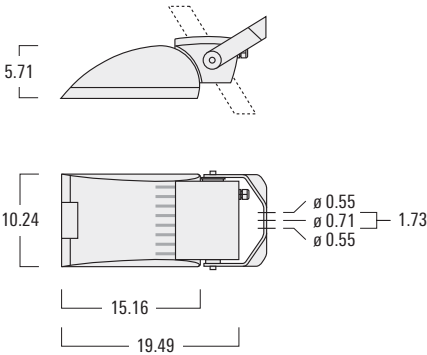
IOS Innovative Optical System:
[A60] Type IV asymmetric 'forward throw' distribution

Ordering guide:
Specify 7 digit part ID together with voltage and finish.
Example: 684-4090 – 120 V – Black RAL 9004

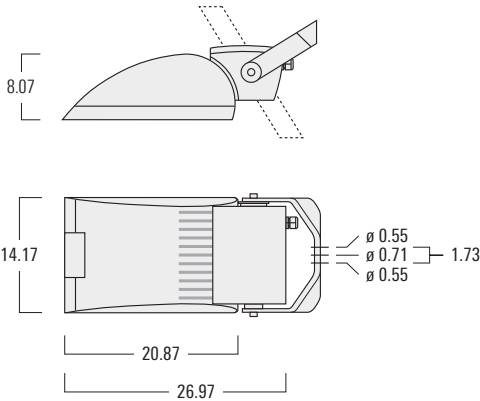
[A60]	Part ID	Light source	lm	Factor*	lbs
FLA440	684-4090	CPO-T-60W/PGZ12 base	6900	1.05	21.0
	684-4091	CPO-T-90W/PGZ12 base	10450	1.58	21.0
	684-4093	CPO-T-140W/PGZ12 base	16500	2.50	21.0
	684-4051	CMH70/T-6/G-12 base	6600	1.00	21.0
	684-4053	CMH100/T-6/G-12 base	9500	1.44	21.0
	684-4052	CMH150/T-6/G-12 base	14000	2.12	21.0
FLA460	684-6045	CMH100/ED-17 clear/medium base	9500	1.44	62.0
	684-6046	CMH150/ED-17 clear/medium base	14000	2.12	62.0
	684-6051	CMH210/T-9/WM ELITE/PGZ18 base	24150	3.65	62.0
	684-6052	CMH315/T-9/WM ELITE/PGZ18 base	37800	5.73	62.0
	684-6041	PSMH250/ED-28/HOR clear	22000	3.33	62.0
	684-6042	PSMH400/ED-28/HOR clear	40000	6.06	62.0



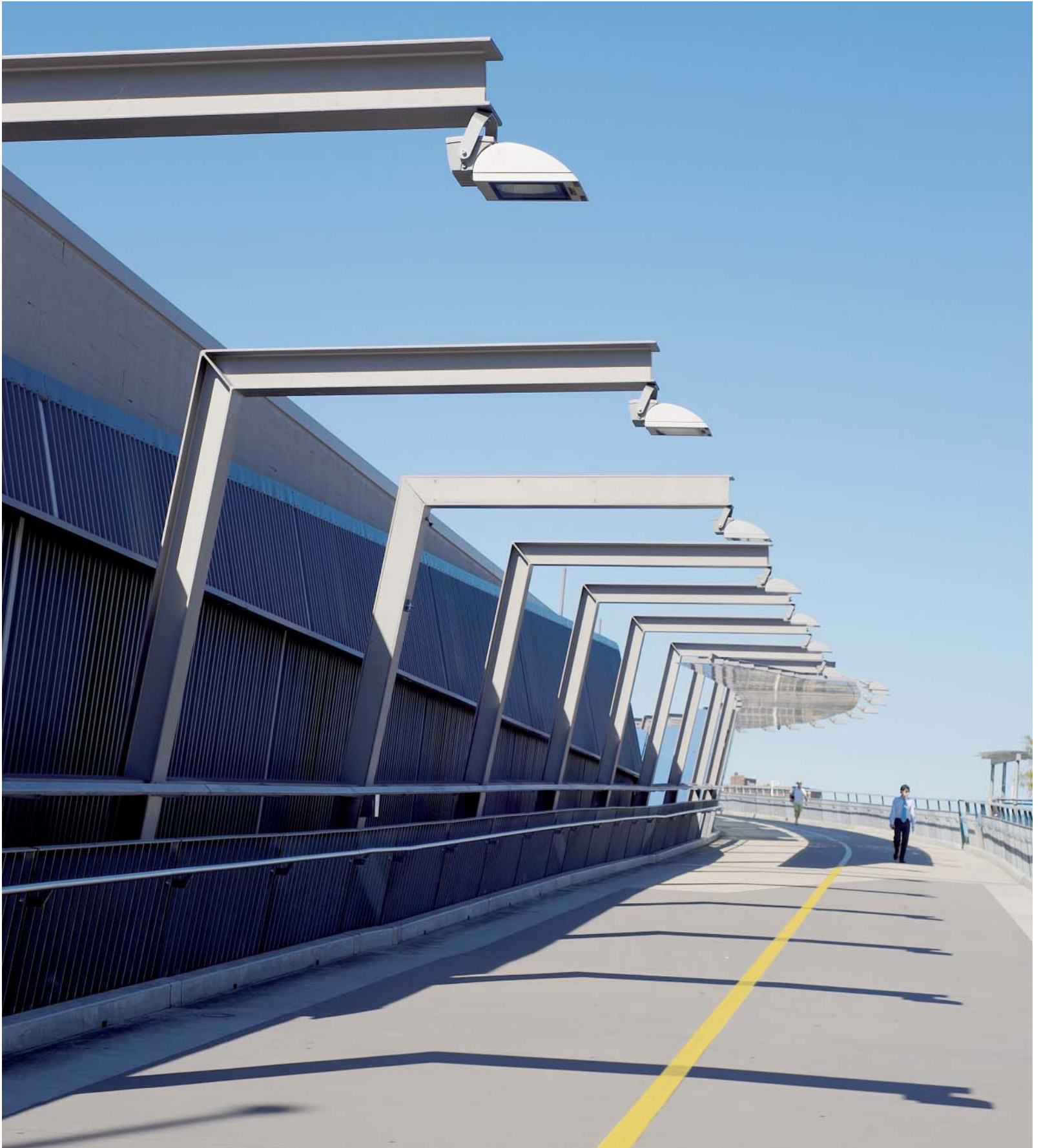
[A60]



FLA440



FLA460



Goodwill Bridge. Brisbane (AUS). Architect: Cox Rayner Architects. Lighting design: Webbs Australia.

MOUNTING ACCESSORIES – FLA400 SERIES

Wall brackets and pole clamps for area floodlights. 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 color options.

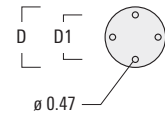
Surface mount canopy – SMC-440/SMC-460			D/D1	lbs
for FLA440	683-9328	SMC-440	(ø 9.06/ø 7.68)	6.0
for FLA460	683-9329	SMC-460	(ø 10.83/ø 9.25)	7.0

Suitable for mounting area floodlight to any horizontal or vertical surface. Surface mount canopy provided with stainless steel hardware and a watertight cable gland for installation over a 4" recessed junction box.

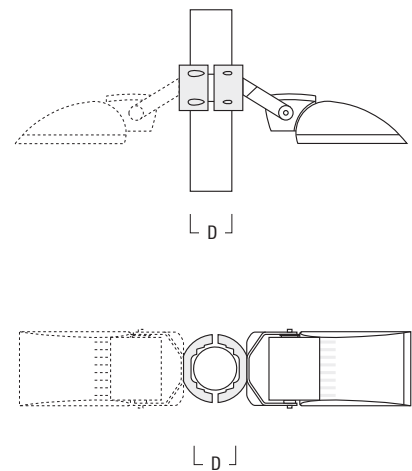
Pole clamps – TS-440/TS-460			Pole diameter (D)	lbs
for (1) FLA440	683-9301	TS1/2-440	(ø 3.0-3.50)	7.0
for (1) FLA440	683-9305	TS1/2-440	(ø 4.0-4.50)	8.0
for (1) FLA440	683-9311	TS1/2-440	(ø 4.50-5.25)	9.0
for (1) FLA460	683-9303	TS1/2-460	(ø 3.0-3.50)	8.0
for (1) FLA460	683-9307	TS1/2-460	(ø 4.0-4.50)	9.0
for (1) FLA460	683-9313	TS1/2-460	(ø 4.50-5.25)	10.0
for (2) FLA440	683-9302	TS2/2-440	(ø 3.0-3.50)	9.0
for (2) FLA440	683-9306	TS2/2-440	(ø 4.0-4.50)	10.0
for (2) FLA440	683-9312	TS2/2-440	(ø 4.50-5.25)	11.0
for (2) FLA460	683-9304	TS2/2-460	(ø 3.0-3.50)	11.0
for (2) FLA460	683-9308	TS2/2-460	(ø 4.0-4.50)	12.0
for (2) FLA460	683-9314	TS2/2-460	(ø 4.50-5.25)	13.0

Installer is required to drill and tap pole as necessary for power supply cord and cord grip.

Surface mount canopy SMC



Pole clamp TS1/TS2



Ordering guide:
Specify 7 digit part ID together with finish (luminaires and poles must be ordered separately).
Example: **683-9328 – Black RAL 9004**



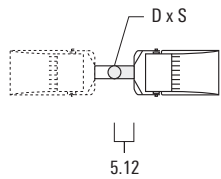
Front de mer. Hossegor (F). Lighting design: Sydec 40.

MOUNTING ACCESSORIES – FLA400 SERIES

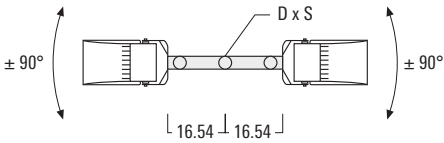
Mounting brackets for area floodlights. Made from galvanized steel. 5CE superior corrosion protection including PCS hardware. Powdercoat finish in black RAL 9004, grey metallic RAL 9007 or white RAL 9016. Specify finish. Consult WE-EF color chart for other options.

Mounting brackets – TA-440/TA-460			D x S	lbs
for (1) FLA440	667-9310	TA1-440/460	ø 3.0 x 7.87 long	5.0
for (1) FLA460	667-9315	TA1-460	ø 4.25 x 7.87 long	17.0
for (2) FLA440	667-9311	TA2-440/460	ø 3.0 x 7.87 long	5.0
for (2) FLA440	667-9312	TA2-L-440/460	ø 3.0 x 7.87 long	36.0
for (2) FLA460	667-9316	TA2-460	ø 4.25 x 7.87 long	17.0
for (2) FLA460	667-9317	TA2-L-460	ø 4.25 x 7.87 long	45.0
for (3) FLA440	667-9313	TA3-440/460	ø 3.50 x 7.87 long	38.0
for (3) FLA460	667-9318	TA3-L-460	ø 4.25 x 7.87 long	54.0
for (4) FLA440	667-9314	TA4-440/460	ø 3.50 x 7.87 long	50.0
for (4) FLA460	667-9319	TA4-L-460	ø 4.25 x 7.87 long	58.0

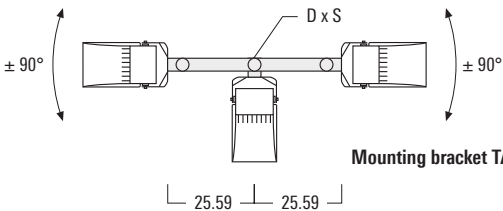
Ordering guide:
Specify 7 digit part ID together with finish (luminaires and poles must be ordered separately) .
Example: **667-9310 – Black RAL 9004**



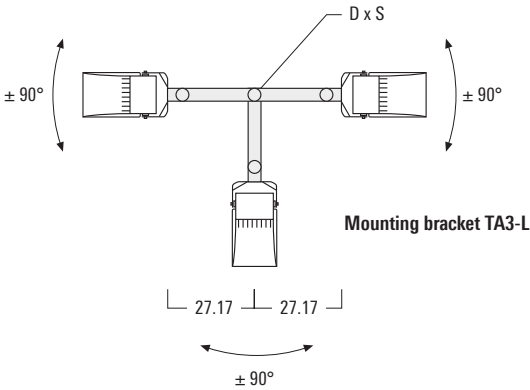
Mounting bracket TA1/TA2



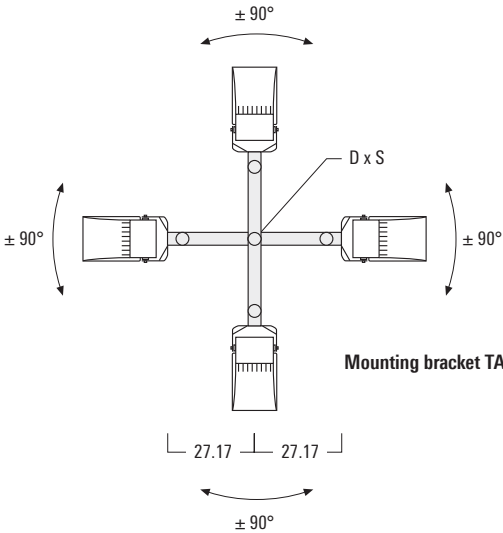
Mounting bracket TA2-L



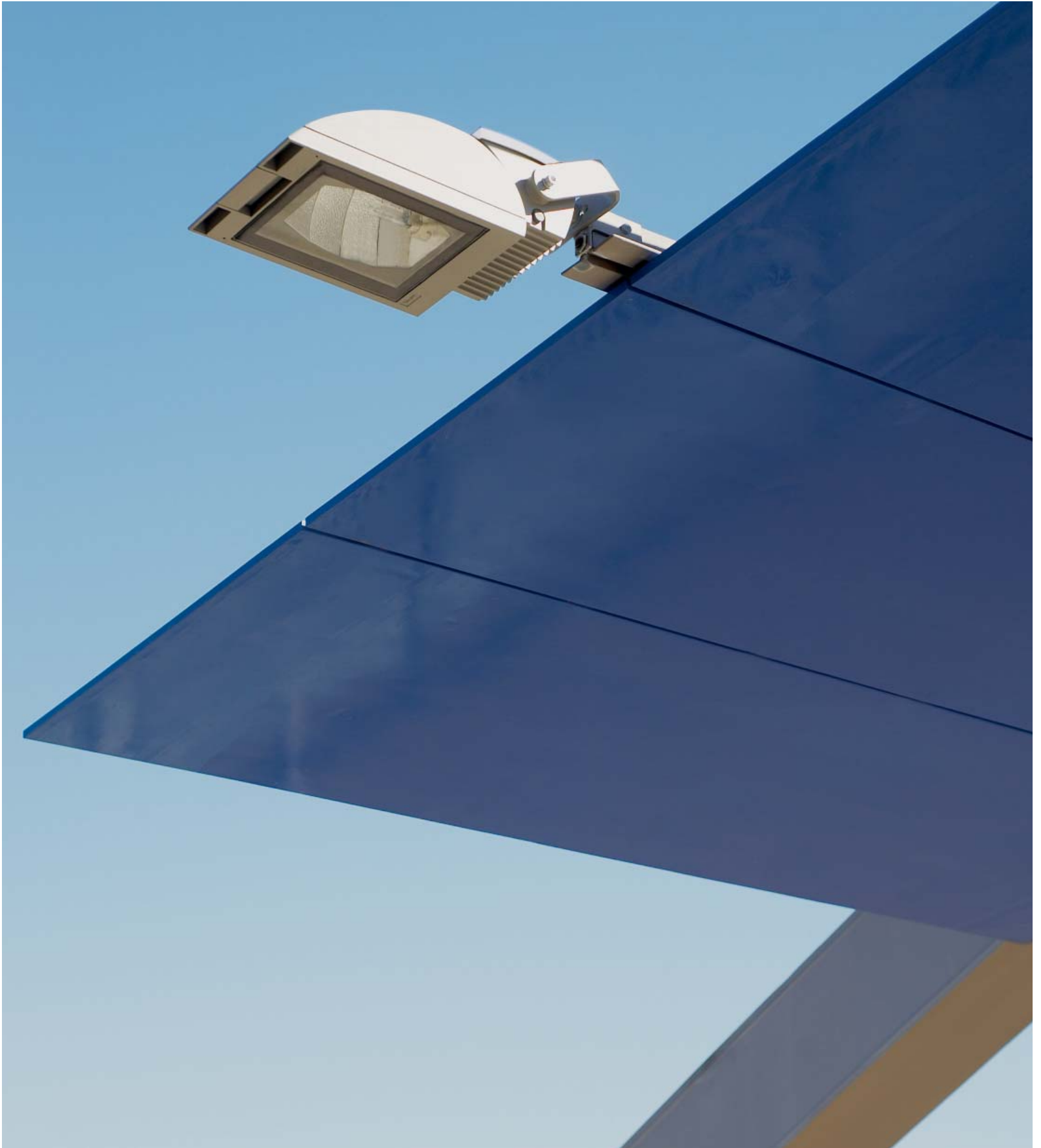
Mounting bracket TA3



Mounting bracket TA3-L



Mounting bracket TA4-L



Goodwill Bridge. Brisbane (AUS). Architect: Cox Rayner Architects. Lighting design: Webbs Australia.

ELECTRICAL AND OPTICAL ACCESSORIES – FLA400 SERIES

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

Electrical Accessories:

EMQ – Integral electronic emergency quartz re-strike. 100 watt T4 halogen lamp max.

for FLA440/460	697-8004
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Twist-lock photocell receptacle – For NEMA base photocells. Photocell by others.

for FLA440/460	697-8006
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Optical Accessories:

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

for FLA440 [S60]	684-8241
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for FLA460 [S60]	684-8261
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House-side shield – For [A60] type IV asymmetric 'forward throw' distribution.

for FLA440 [A60]	684-8243
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for FLA460 [A60]	684-8263
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Internal louver – For [A60] type IV asymmetric 'forward throw' distribution (for sidewards cut-off shielding).

for FLA440 [A60]	684-8242
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for FLA460 [A60]	684-8262
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Internal flood lens – For [S60] type III 'side throw' streetlighting and [A60] type IV asymmetric 'forward throw' distributions.

for FLA440 [S60] [A60]	684-8181
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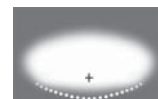
for FLA460 [S60] [A60]	684-8191
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Internal linear spread lens – For [A60] type IV asymmetric 'forward throw' distribution.

for FLA440 [A60]	684-8182
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for FLA460 [A60]	684-8192
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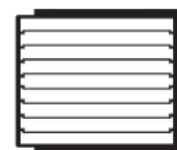
Absorption color filter in red, green, blue or yellow on request.



House-side shield [S60]

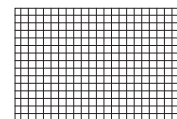


House-side shield [A60]

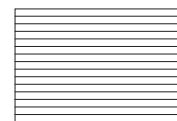


Internal louver [A60]

Internal flood lens



Internal linear spread lens



Color filters



