

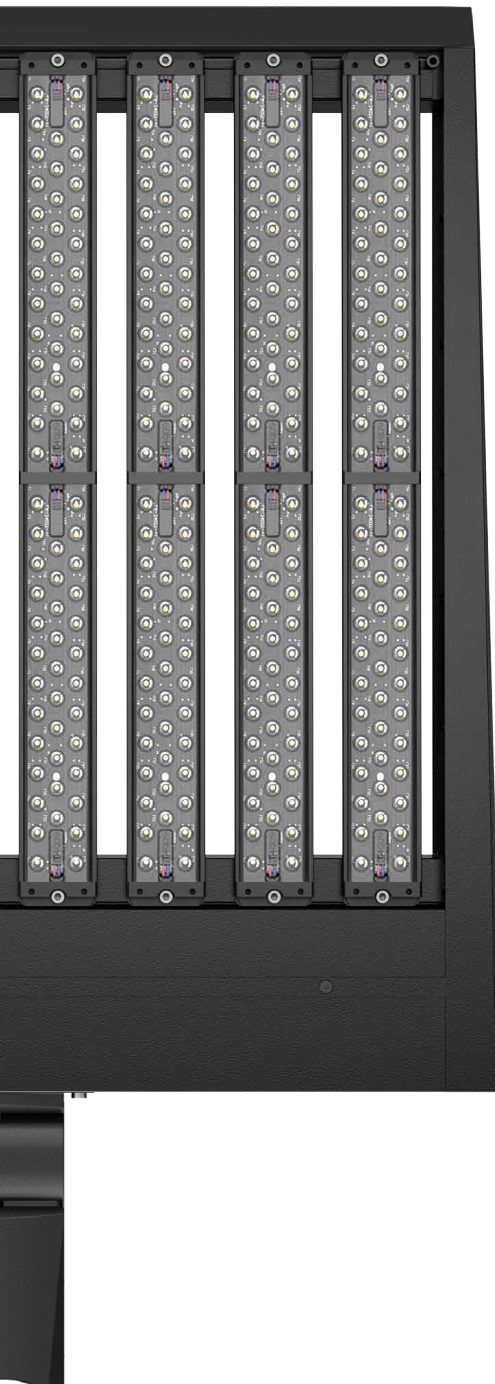


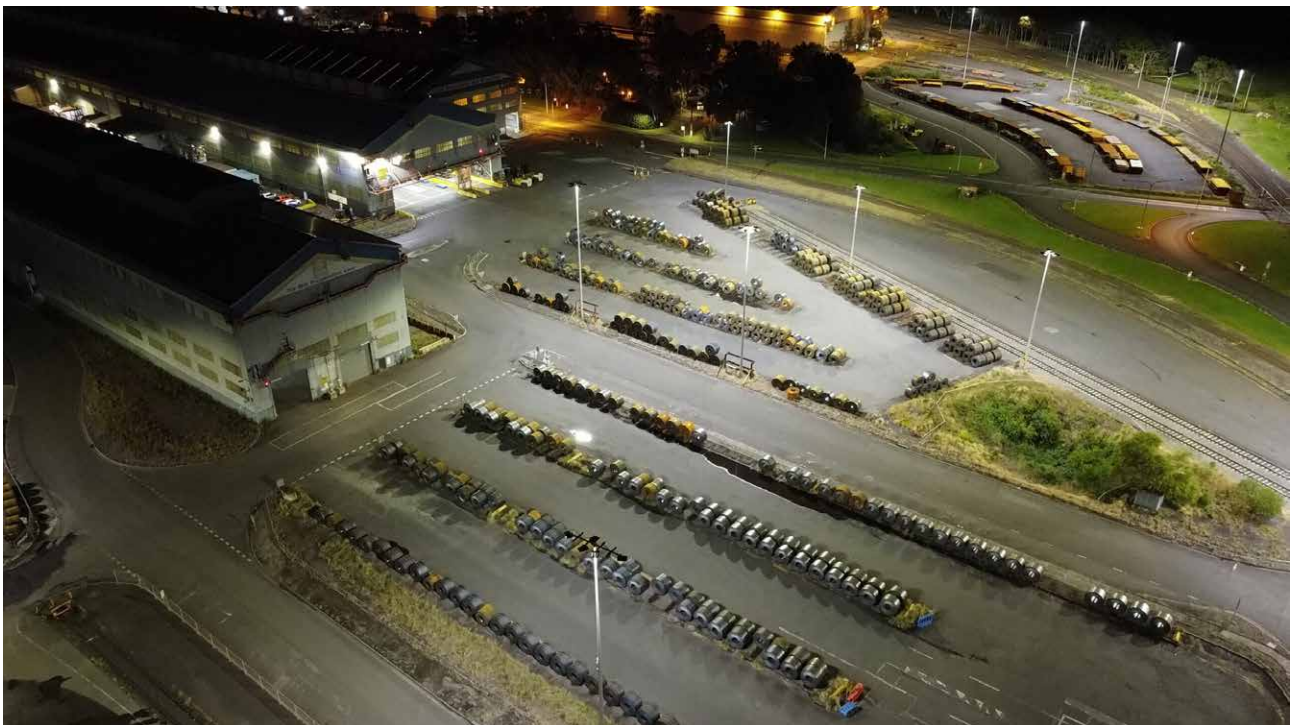
tigerlight®

HIGH-PERFORMANCE
INDUSTRIAL LIGHTING

MEGAFLOOD SERIES AREA LIGHTS 40W - 1200W

MEGA FLOOD







MODULAR DESIGN FOR SUPREME VERSATILITY

The MegaFlood range by Tigerlight is the most versatile lighting platform on the Australian market.

The modular platform enables an almost limitless array of options that can be tailor-made to suit virtually any application, anywhere - including hardstands, ports, sporting precincts, mining, rail, car parks, and indoor applications.

Now featuring Tigerlight's next-generation LED module, MegaFlood delivers twice the number of high-performance LEDs per module.

This advancement reduces the forward current to each LED, enabling cooler operation, a longer projected lifespan, higher lumen output and improved efficiency.

OPTIONS

Output from 40W to 1200W

Voltage - 240VAC / 415 VAC / DC

Drivers - built-in or remote drivers

Lighting controls / Dimming

Optical lenses - 19 options including back-light control lenses

CCT - 5 options from Amber to 5000K

CRI - 3 options, from Ra >70 to >90

Mounting brackets - 4 options

Powdercoating colour options

MEGA



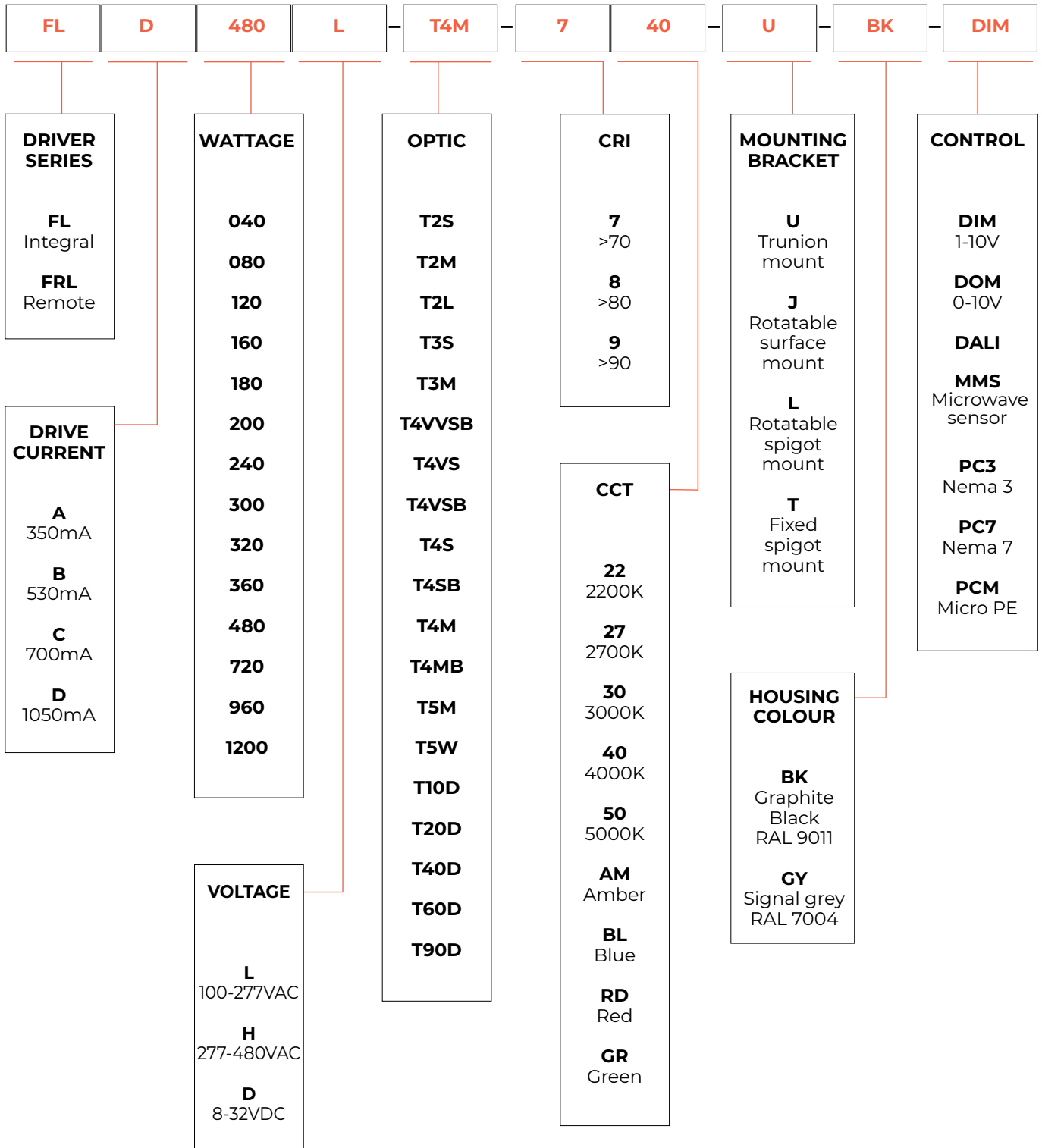


PERFORMANCE SUMMARY

Voltages	100-277VAC, 277-480VAC 50/60HZ. DC options
Power options	40W – 1200W
Drivers	Inventronics (EUM, SUM, ESM, SSM series)
Operating Temperatures	-40 to +50deg C
LED	Nichia 3535
Efficacy	145 – 175 lm/w
LED Forward Current	175 - 530mA
SDCM	MacAdam 5 (standard)
CCT	4000k (standard), 2200k, 2700, 3000k, 5000k
CRI options	Ra>70 (standard), Ra>80, Ra>90
IK Rating	IK10
IP Rating	IP66
Power factor	>0.95 at full load
Surge Protection	I _{max} 20KA
L70B10 / L90B10	>200,000hrs. / >60,000hrs
Control Options	1-10V, 0-10VDC, DALI, NEMA 3 / 7, Motion Sensor
Housing	Die Cast Aluminium
Surface Treatment	Polyester Powdercoat min 100µm thickness
Housing colour	Black RAL 9011, Grey RAL 7004, custom on request
Junction box cable entry	40-360W - M20 gland (8-12mm cable diameter) 480-1200W - M25 gland (14-18mm cable diameter)
Certification	SAA, CE, CB
Warranty	5 years



MODEL NUMBER SYSTEM



The example shown above is written as: FLD480L-T4M-740-U-BK-DIM

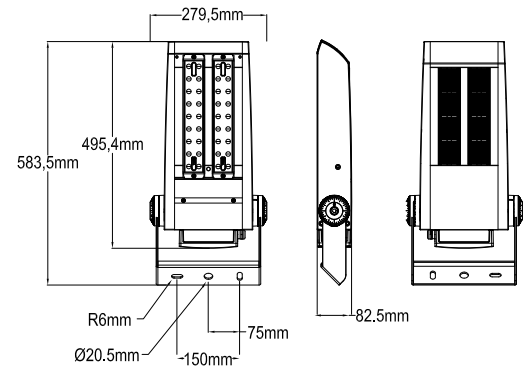


INTEGRATED DRIVER MODELS

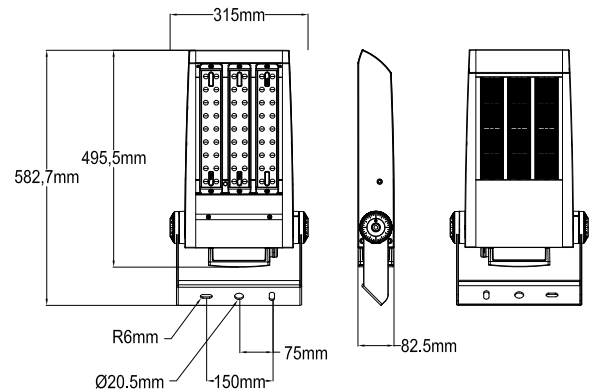


Model	FLA040	FLC080
Typ lumens	7500	13486
Current draw, A @240VAC	0.16	0.32
LCP, W	38	77
Modules	2	2
Weight, kg	6.0	6.0
Dimensions	583x278x82mm	

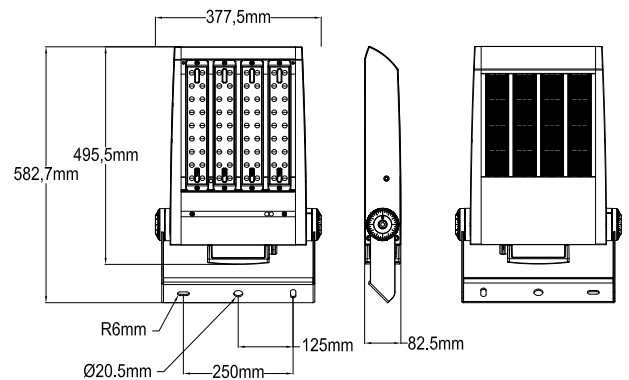
FLD120
18965
0.48
115
2
6.1



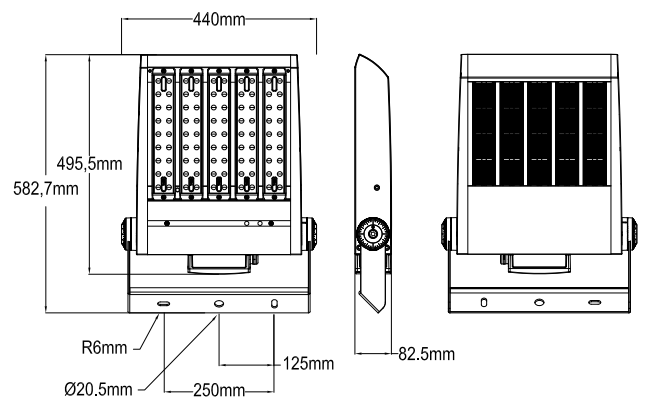
Model	FLC120	FLD180
Typ lumens	20530	28941
Current draw, A @240VAC	0.48	0.73
LCP, W	116	176
Modules	3	3
Weight, kg	6.9	7.1
Dimensions	583x315x82mm	



Model	FLC160	FLD240
Typ lumens	27362	38223
Current draw, A @240VAC	0.63	0.93
LCP, W	152	223
Modules	4	4
Weight, kg	7.9	8.1
Dimensions	583x378x82mm	



Model	FLC200	FLD300
Typ lumens	33878	47055
Current draw, A @240VAC	0.77	1.20
LCP, W	152	287
Modules	5	5
Weight, kg	8.9	9.6
Dimensions	583x440x82mm	

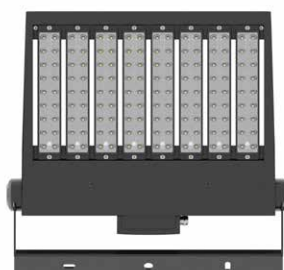
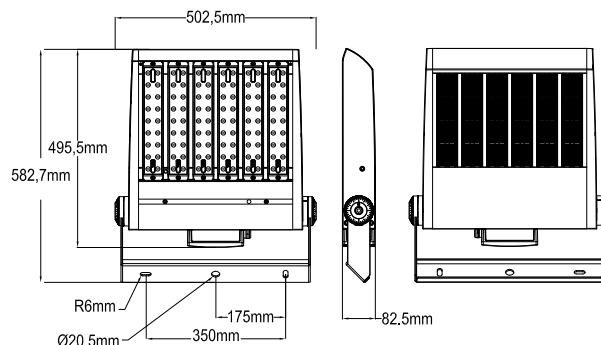




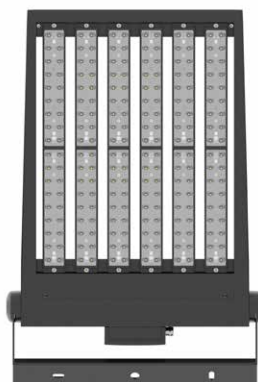
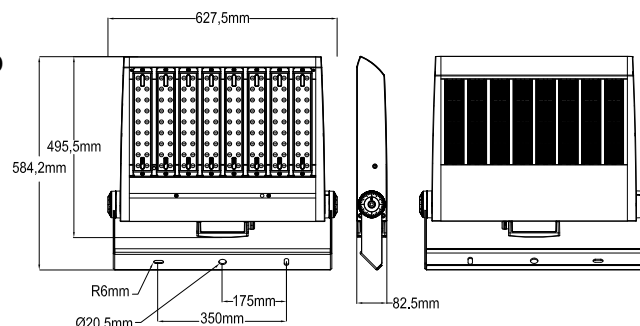
INTEGRATED DRIVER MODELS



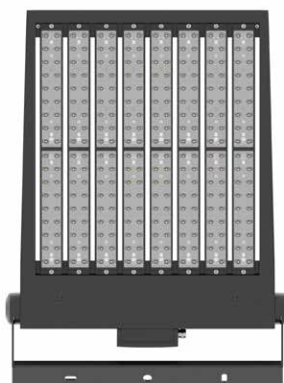
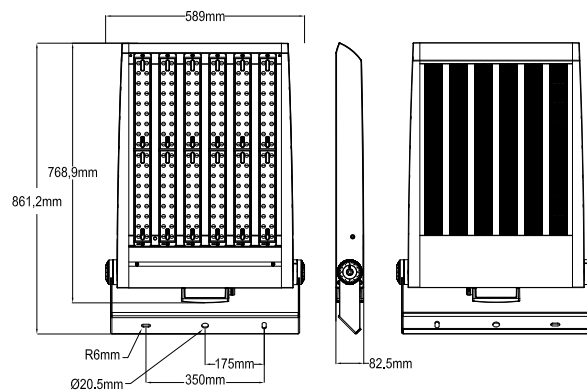
Model	FLC240	FLD360
Typ lumens	40867	56479
Current draw, A @240VAC	0.93	1.43
LCP, W	223	342
Modules	6	6
Weight, kg	10.2	10.9
Dimensions	583x502x82mm	



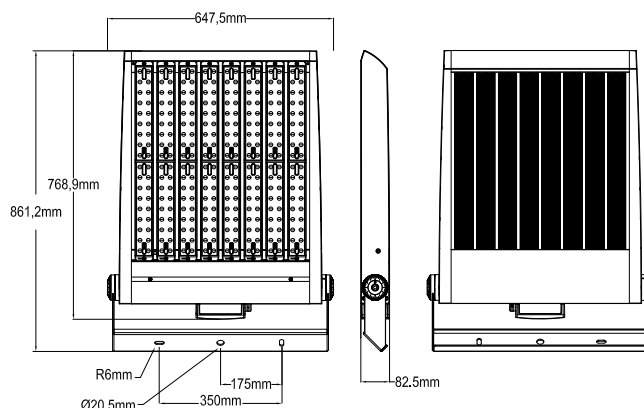
Model	FLC320	FLD480
Typ lumens	53531	76322
Current draw, A @240VAC	1.26	1.91
LCP, W	302	458
Modules	8	8
Weight, kg	12.7	13.0
Dimensions	584x627x82mm	



Model	FLD720
Typ lumens	118550
Current draw, A @240VAC	2.87
LCP, W	689
Modules	12
Weight, kg	17.4
Dimensions	861x589x82mm

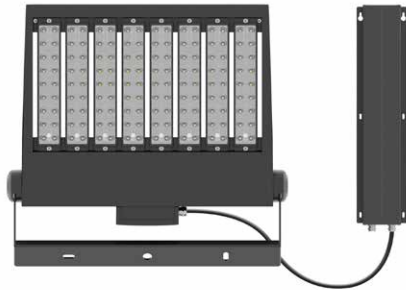


Model	FLD960
Typ lumens	155850
Current draw, A @240VAC	3.82
LCP, W	916
Modules	16
Weight, kg	19.9
Dimensions	861x647x82mm





REMOTE DRIVER MODELS



Model

Typ lumens

Current draw,
A @240VAC

LCP, W

Modules

Dimensions

Driver dimensions

FRLD480

76322

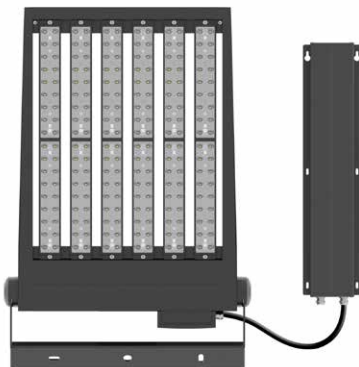
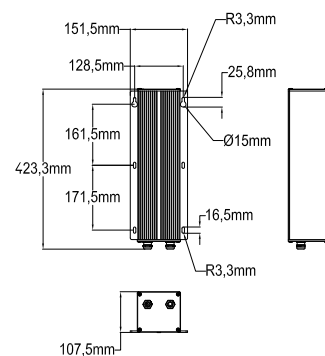
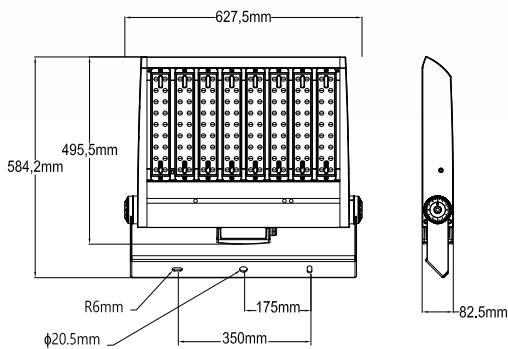
1.91

458

8

584x627x82mm. Weight 10.4kg

423x152x167mm. Weight 4.5kg.



Model

Typ lumens

Current draw,
A @240VAC

LCP, W

Modules

Dimensions

Driver dimensions

FRLD720

118550

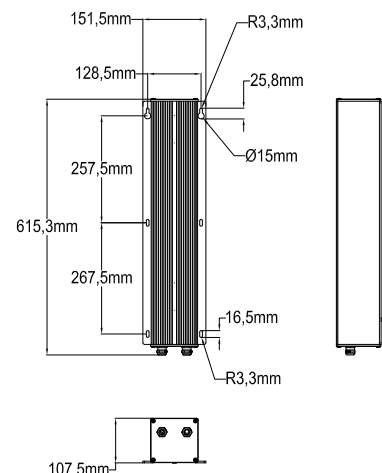
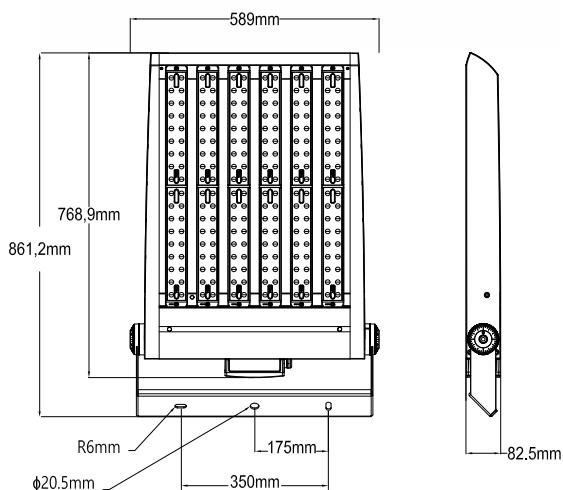
2.87

689

12

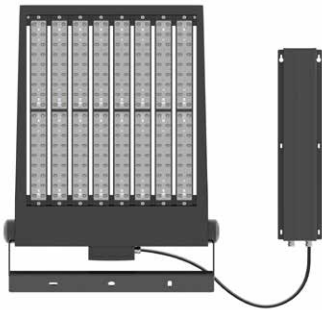
861x589x82mm. Weight 14.6kg

615x152x108mm. Weight 6.1kg.

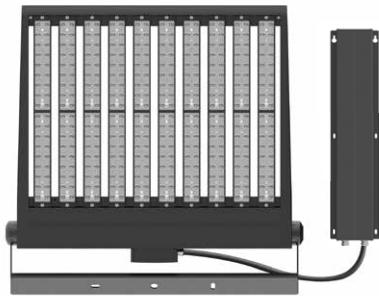
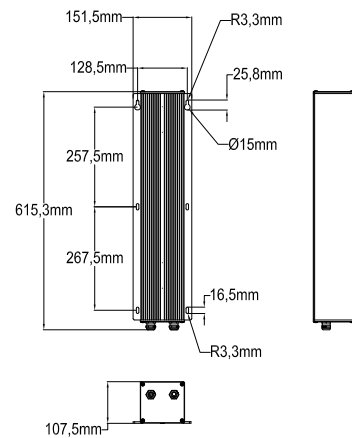
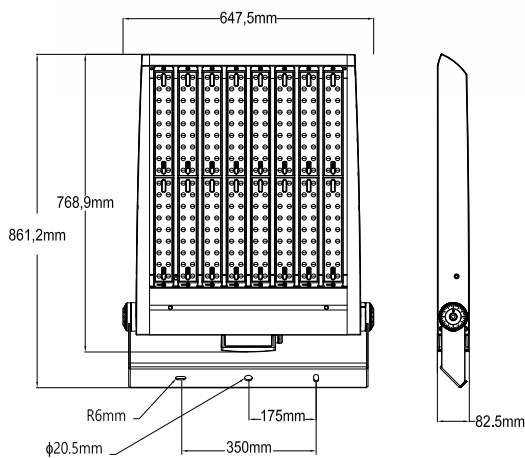




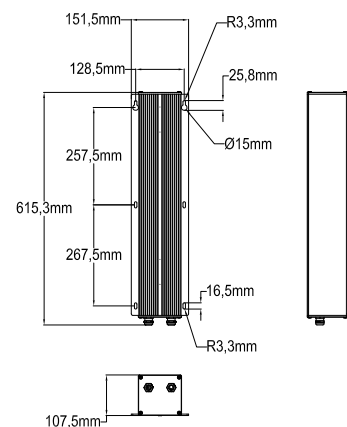
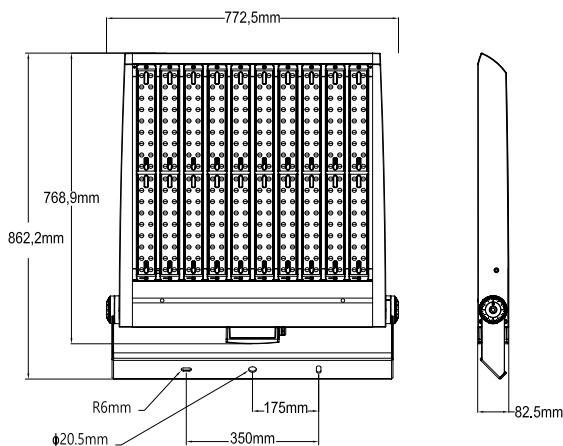
REMOTE DRIVER MODELS

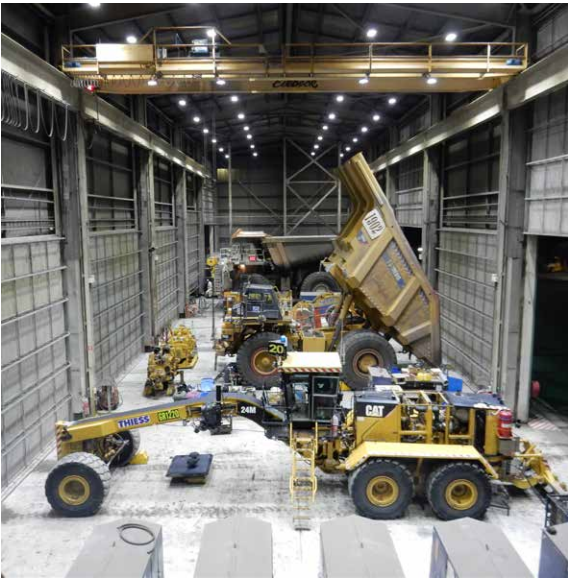


Model	FRLD960
Typ lumens	155850
Current draw, A @240VAC	3.82
LCP, W	916
Modules	16
Dimensions	861x648x82mm. Weight 17.4kg
Driver dimensions	615x152x108mm. Weight 6.1kg



Model	FRLD1200
Typ lumens	195630
Current draw, A @240VAC	4.77
LCP, W	1144
Modules	20
Dimensions	862x772x82mm. Weight 20.5kg
Driver dimensions	615x152x108mm. Weight 7.1kg.



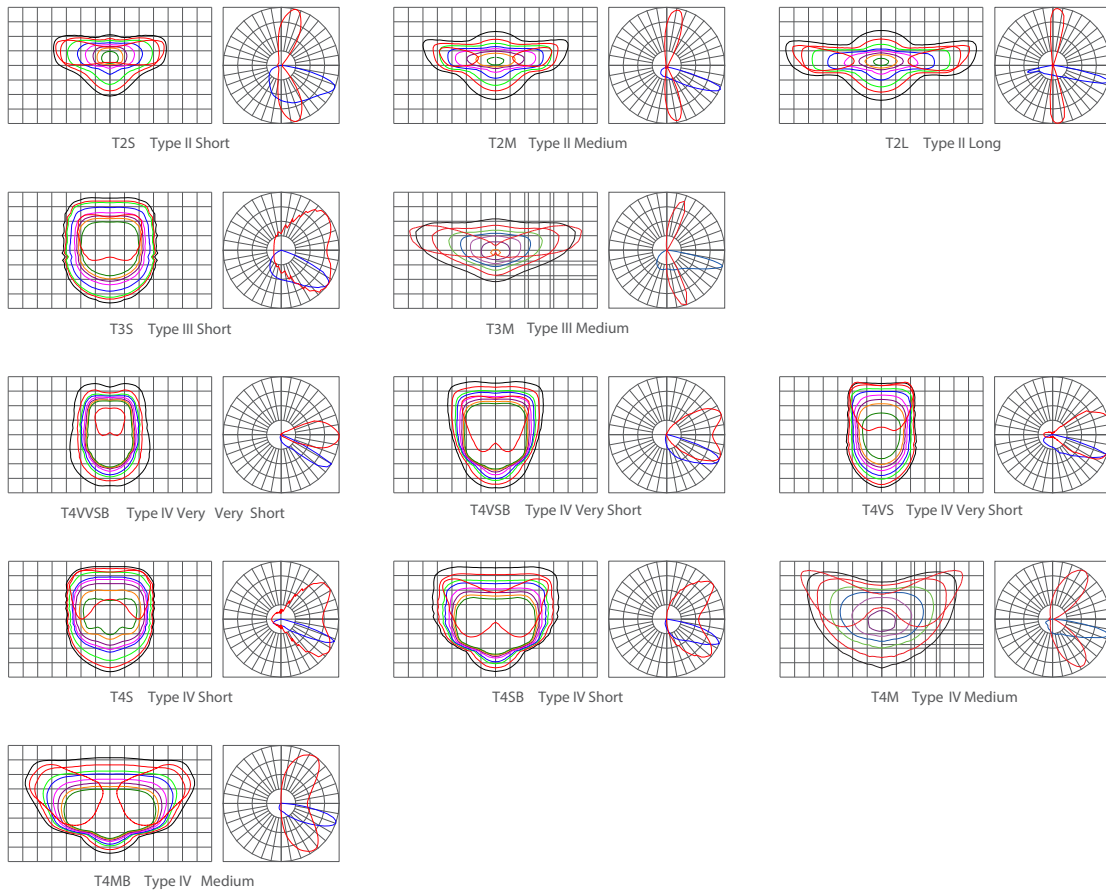




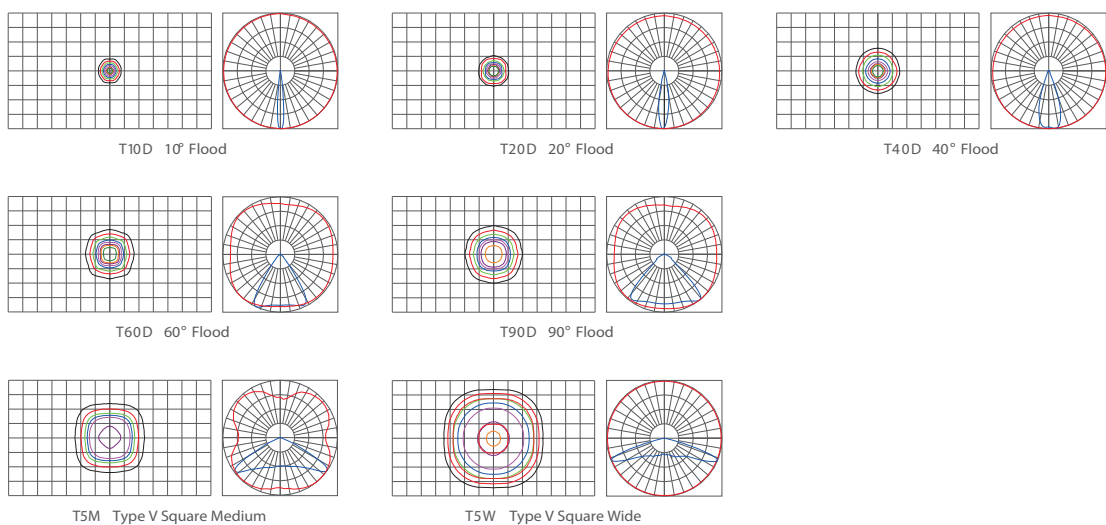
PHOTOMETRICS

Optical lensing options include 7 Symmetric and 12 Asymmetric lenses including back-light control options, to enable compliance with Australian Standard AS4282 Obtrusive Lighting.

ASYMMETRIC



SYMMETRIC



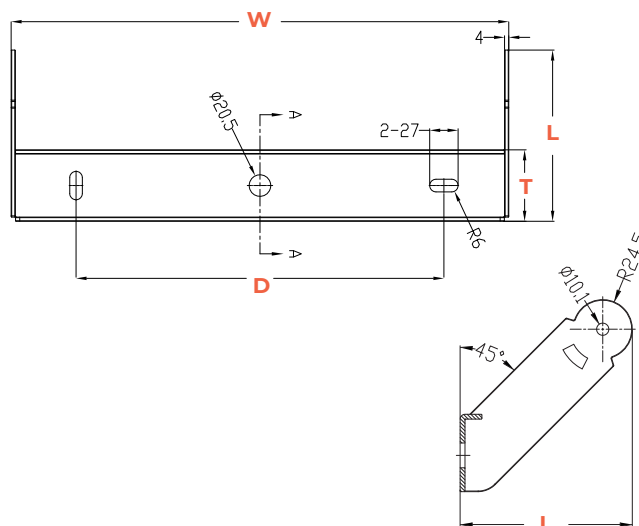
MOUNTING BRACKETS



Scan the QR code for a video animation on bracket usage and assembly



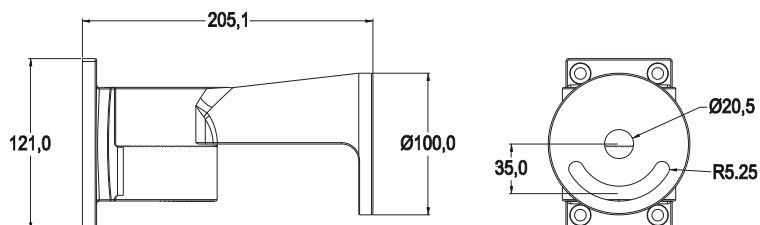
U Bracket - Trunion mount



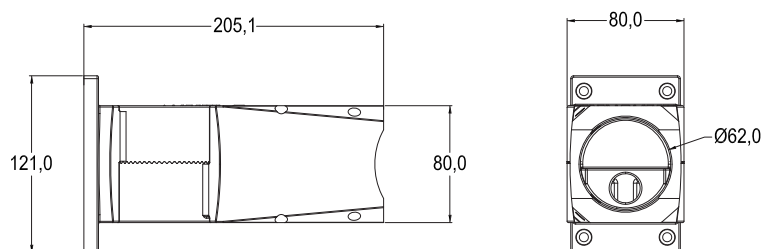
MODEL	W	L	T	D
FLA040 & FLC080	250	159	64	150
FLC120 / FLD180	286	159	64	150
FLC160 & FLD240	348	159	64	250
FLC200 / FLD300	411	159	64	250
FLC240 & FLD360	473	163	68	350
FLC320 & FLD480	598	163	68	350
FLD720	560	168	76	350
FLD960	618	168	76	350

Refer pages 6&7 for individual bracket line drawings for each model.

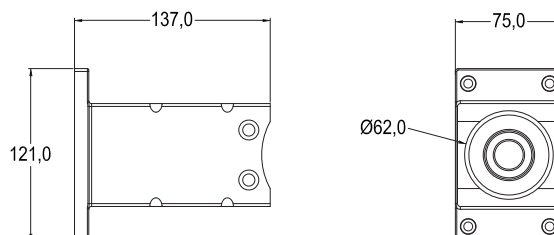
J Bracket - Rotatable surface mount



L Bracket - Rotatable spigot mount



T Bracket - Fixed spigot mount





SIMPLIFIED INSTALLATION



2.5 degree graduations on U-Bracket (trunion mount) for precision in setting tilt angles.



Terminal block showing simple DC wiring for dimming via Wago connectors.



Optional through-wiring via junction box to daisy chain the luminaires.

HOUSING COLOUR OPTIONS



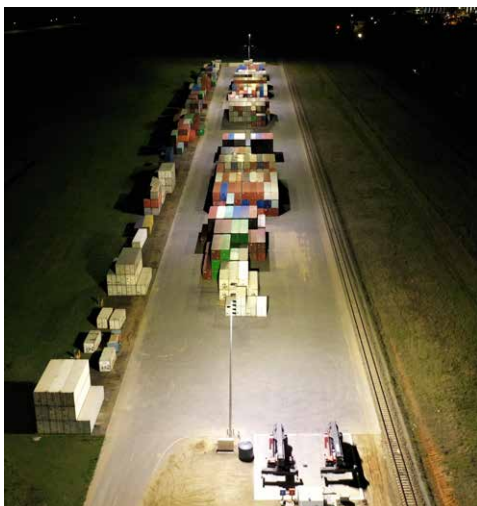
RAL 9011 Graphite Black

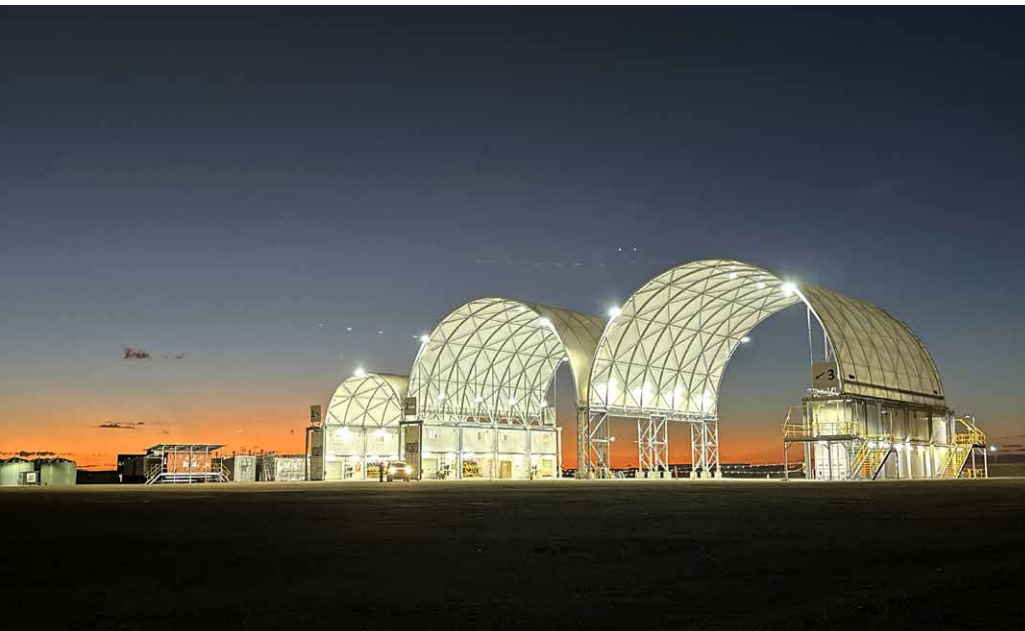


RAL 7004 Signal Grey



White and other RAL colours available on request







LUMINAIRE EPA



FLA040 / FLC080 / FLD120

FLC120 / FLD180

FLC160 / FLD240

FLC200 / FLD300

FLC240 / FLD360

FLC320 / FLD480

FLD720

FLD960

FRLD1200

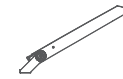
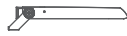
0° TILT

10° TILT

20° TILT

30° TILT

45° TILT



0.051

0.058

0.066

0.073

0.082

0.052

0.061

0.070

0.078

0.087

0.054

0.066

0.077

0.089

0.101

0.059

0.074

0.089

0.104

0.119

0.060

0.079

0.097

0.115

0.134

0.067

0.092

0.117

0.141

0.166

0.084

0.119

0.153

0.189

0.223

0.089

0.136

0.182

0.229

0.276

0.093

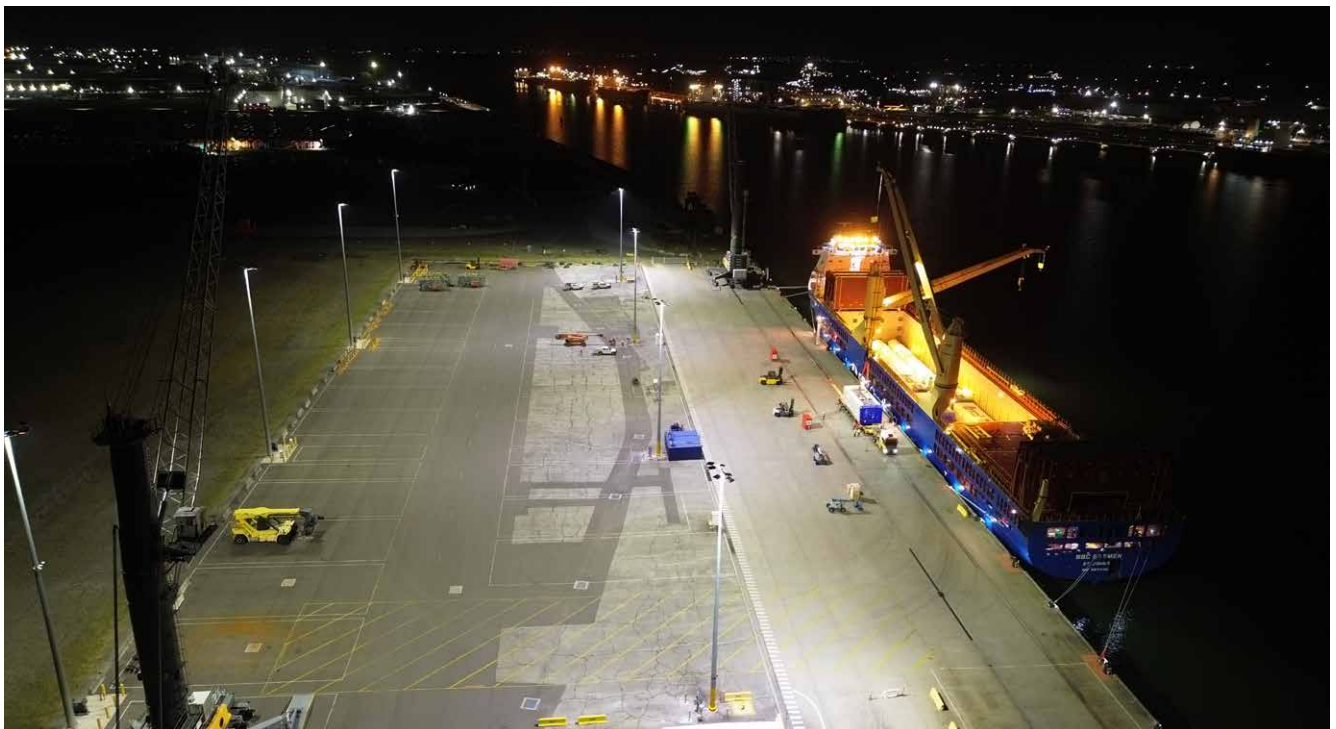
0.154

0.210

0.268

0.330

EPA measurements shown for U bracket, in m².



MEGA
FLOOD



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 **TigerlightLED**

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