

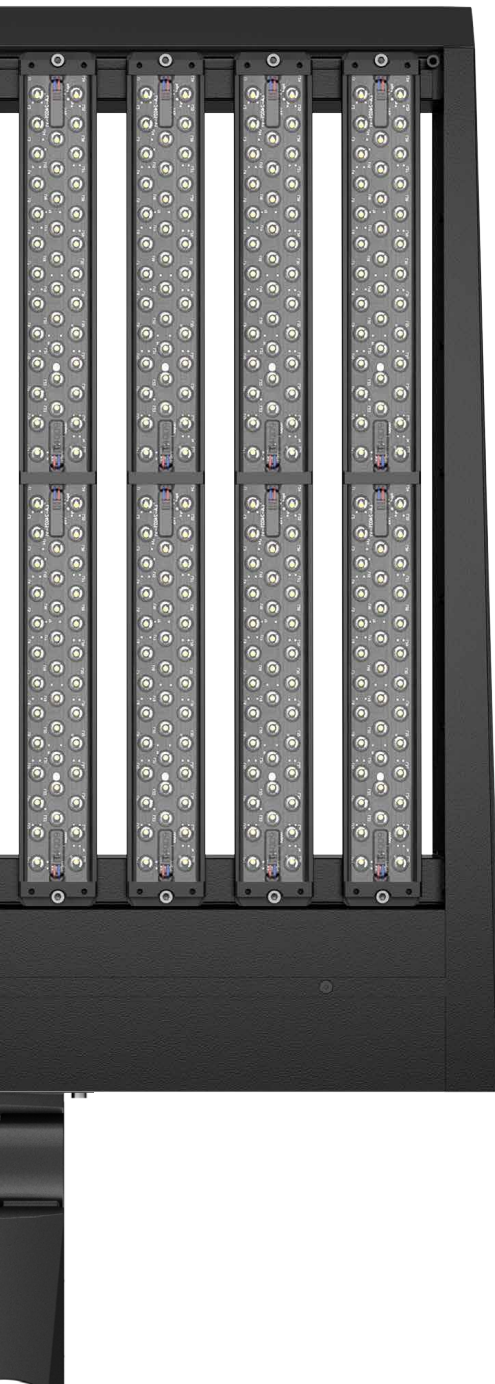


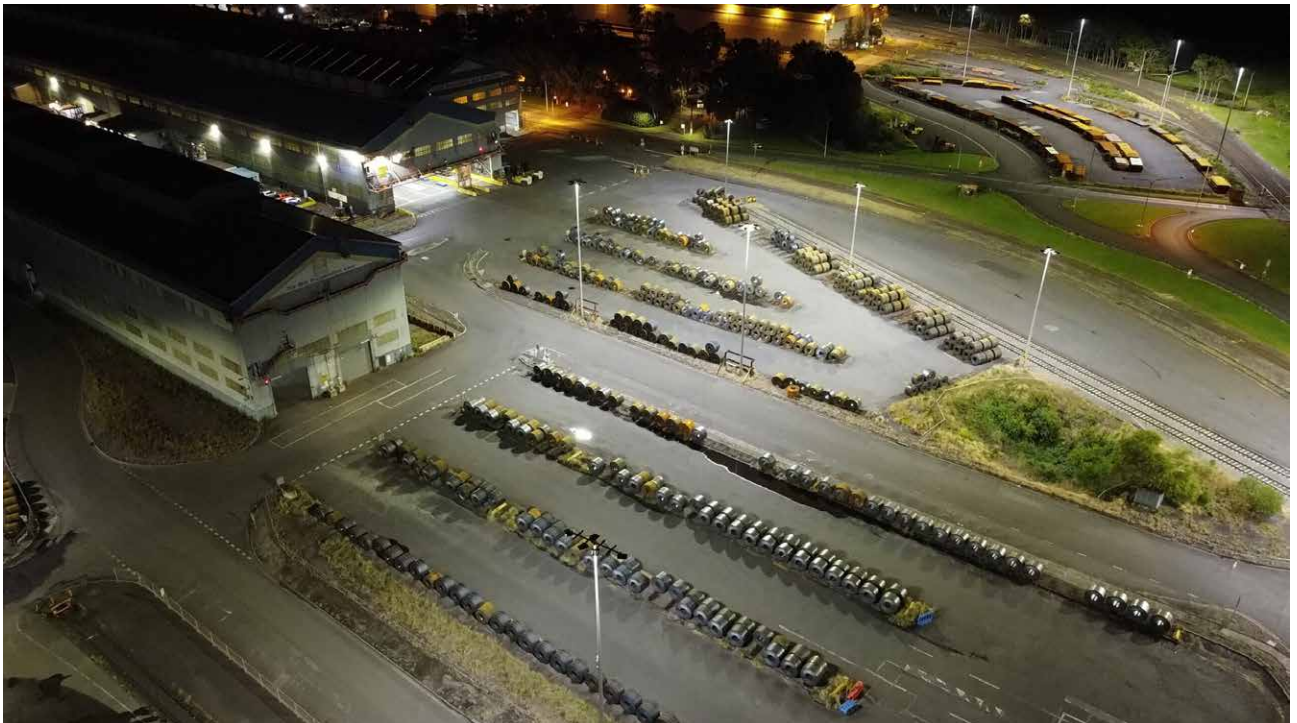
tigerlight®

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 now has 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



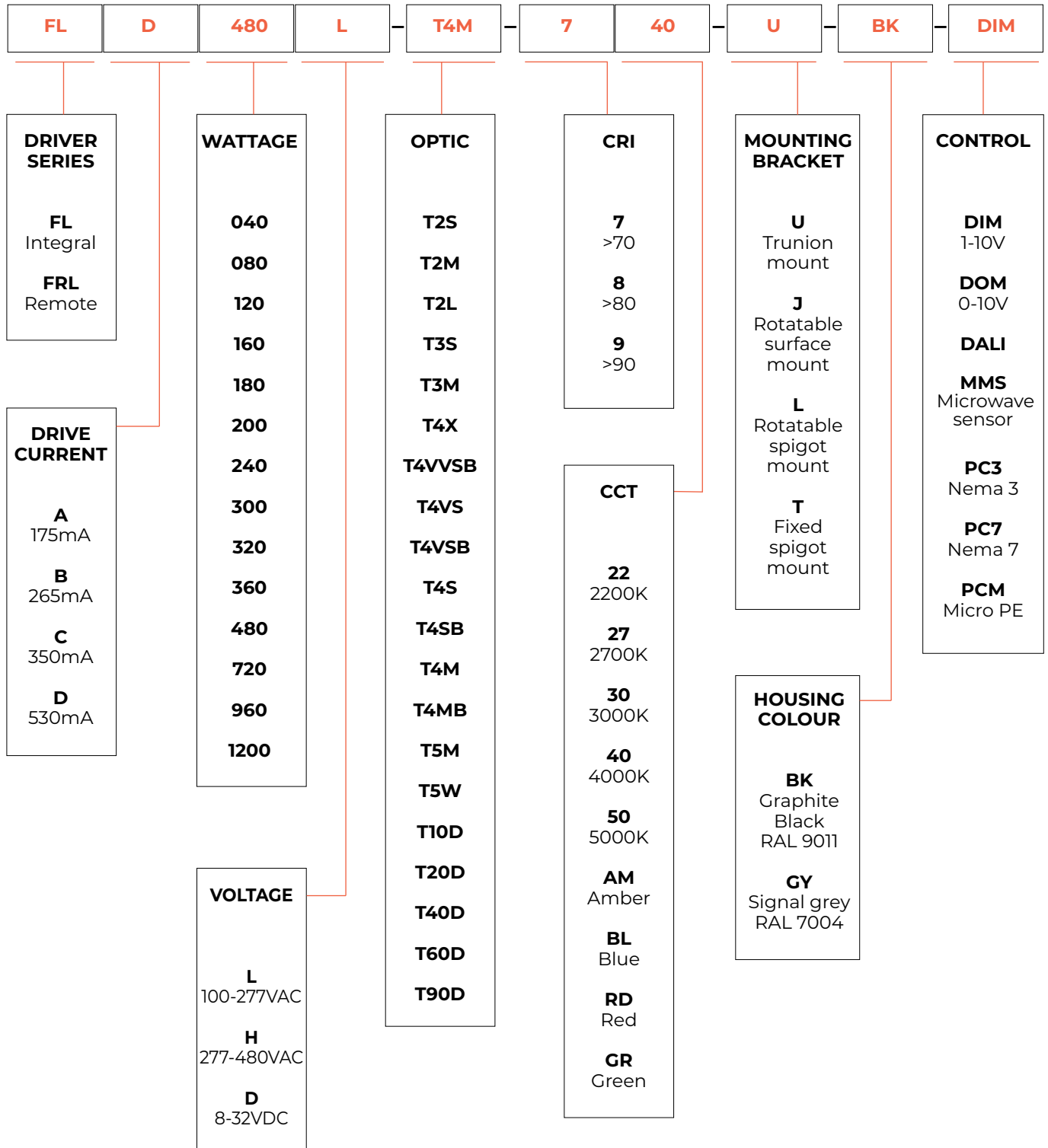


PERFORMANCE SUMMARY

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

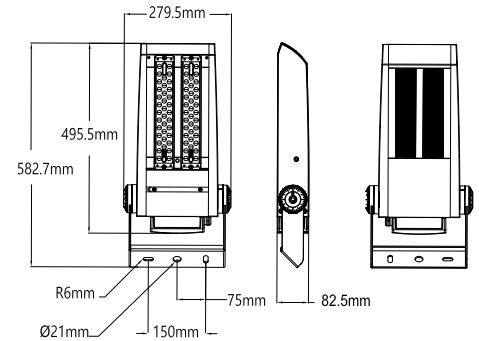
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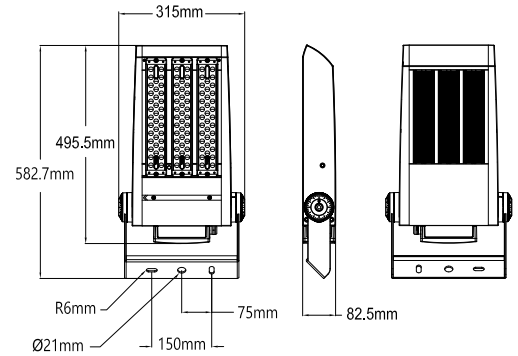
INTEGRATED DRIVER MODELS



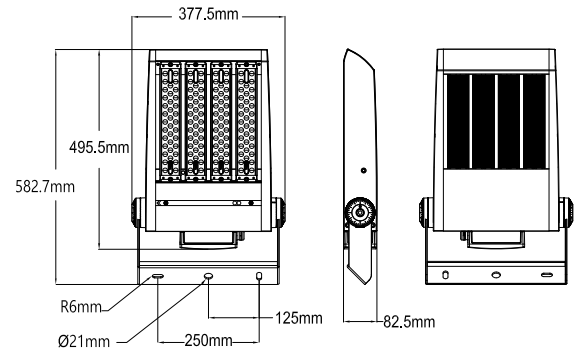
Model	FLA040	FLC080	FLD120
Typ lumens	7500	13486	18965
Current draw, A @240VAC	0.16	0.32	0.48
LCP, W	38	77	115
Modules	2	2	2
Weight, kg	6.1	6.1	6.2
Dimensions	583x280x82mm		



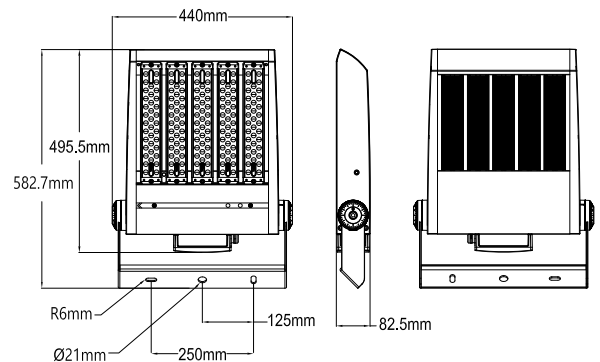
Model	FLC120	FLD180
Typ lumens	20530	28941
Current draw, A @240VAC	0.48	0.73
LCP, W	116	176
Modules	3	3
Weight, kg	7	7.2
Dimensions	583x315x82mm	



Model	FLC160	FLD240
Typ lumens	27362	38223
Current draw, A @240VAC	0.63	0.93
LCP, W	152	223
Modules	4	4
Weight, kg	8	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	9.2	9.8
Dimensions	583x440x82mm	

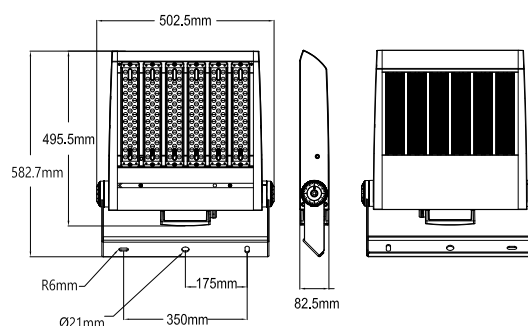




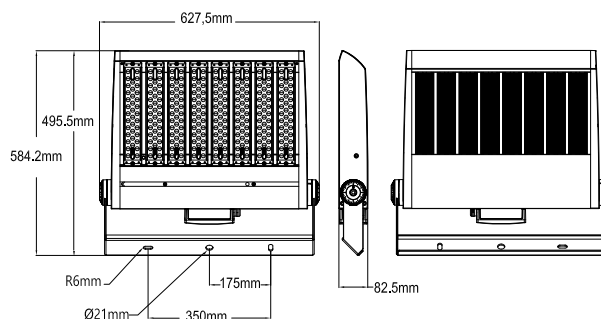
INTEGRATED DRIVER MODELS



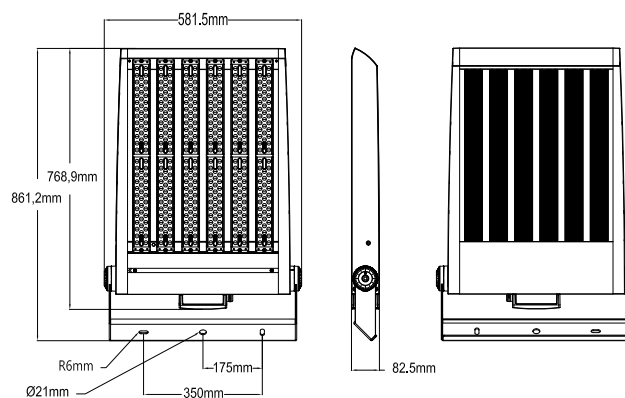
Model	FLC240	FLD360
Typ lumens	40867	56479
Current draw, A @240VAC	0.93	1.43
LCP, W	223	342
Modules	6	6
Weight, kg	10.2	11.1
Dimensions	583x502x82mm	



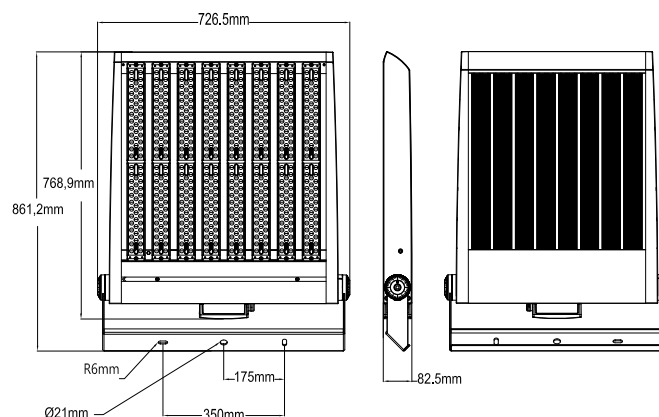
Model	FLC320	FLD480
Typ lumens	53531	76322
Current draw, A @240VAC	1.26	1.91
LCP, W	302	458
Modules	8	8
Weight, kg	12.8	13.1
Dimensions	584x628x82mm	



Model	FLD720
Typ lumens	118550
Current draw, A @240VAC	2.87
LCP, W	689
Modules	12
Weight, kg	17.4
Dimensions	861x582x82mm



Model	FLD960
Typ lumens	155850
Current draw, A @240VAC	3.82
LCP, W	916
Modules	16
Weight, kg	20.7
Dimensions	861x726x82mm





REMOTE DRIVER MODELS



Model

FRLD480

Typ lumens

76322

Current draw,
A @240VAC

1.91

LCP, W

458

Modules

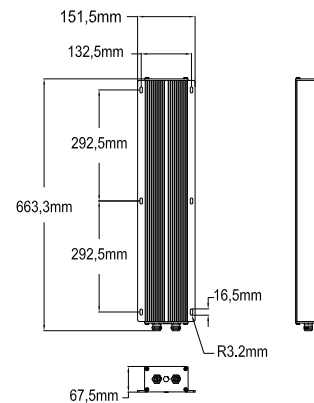
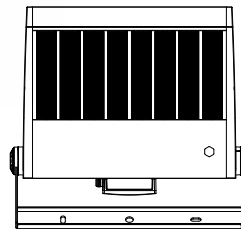
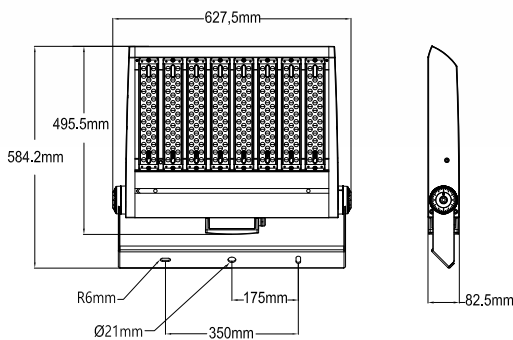
8

Dimensions

584x628x82mm. Weight 11.3kg

Driver dimensions

387x152x68mm. Weight 3.6kg.



Model

FRLD720

Typ lumens

118550

Current draw,
A @240VAC

2.87

LCP, W

689

Modules

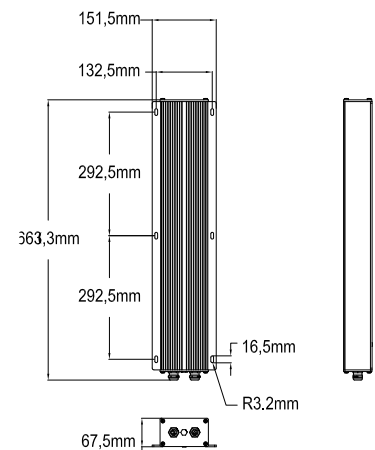
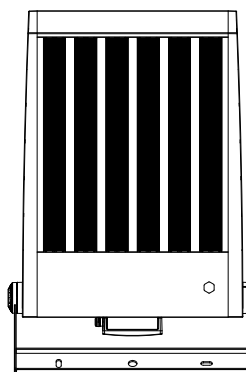
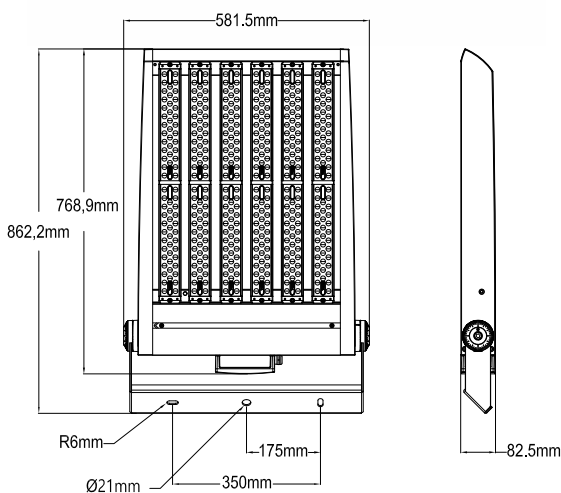
12

Dimensions

861x582x82mm. Weight 15.1kg

Driver dimensions

663x152x68mm. Weight 5.9kg.





REMOTE DRIVER MODELS



Model

FRLD960

Typ lumens

155850

Current draw,
A @240VAC

3.82

LCP, W

916

Modules

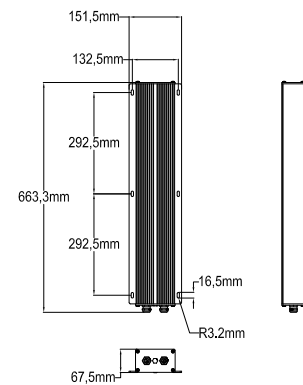
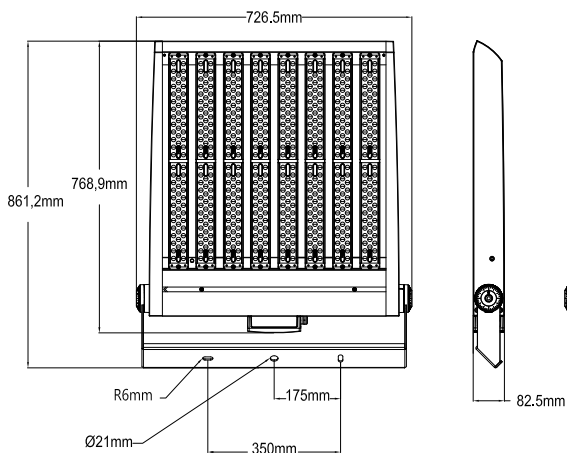
16

Dimensions

861x726x82mm. Weight 18.5kg

Driver dimensions

663x152x68mm. Weight 5.9kg



Model

FRLD1200

Typ lumens

195630

Current draw,
A @240VAC

4.77

LCP, W

1144

Modules

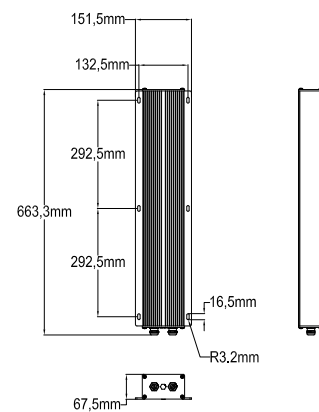
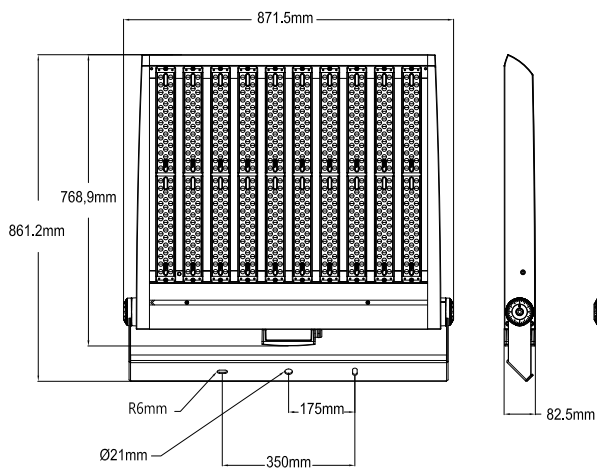
20

Dimensions

862x772x82mm. Weight 20.5kg

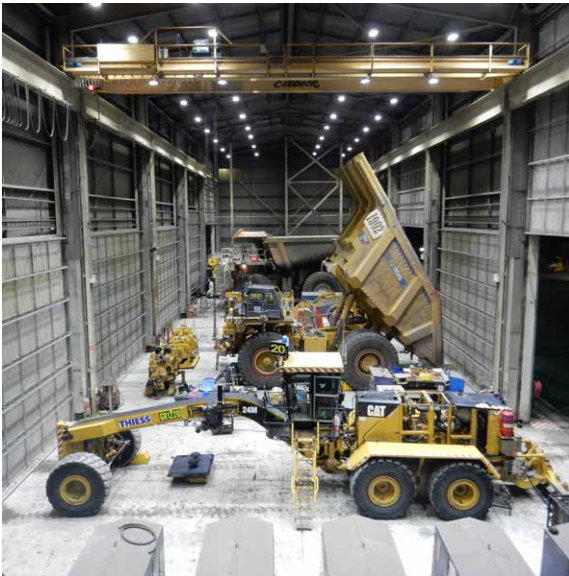
Driver dimensions

663x152x68mm. Weight 6.7kg.





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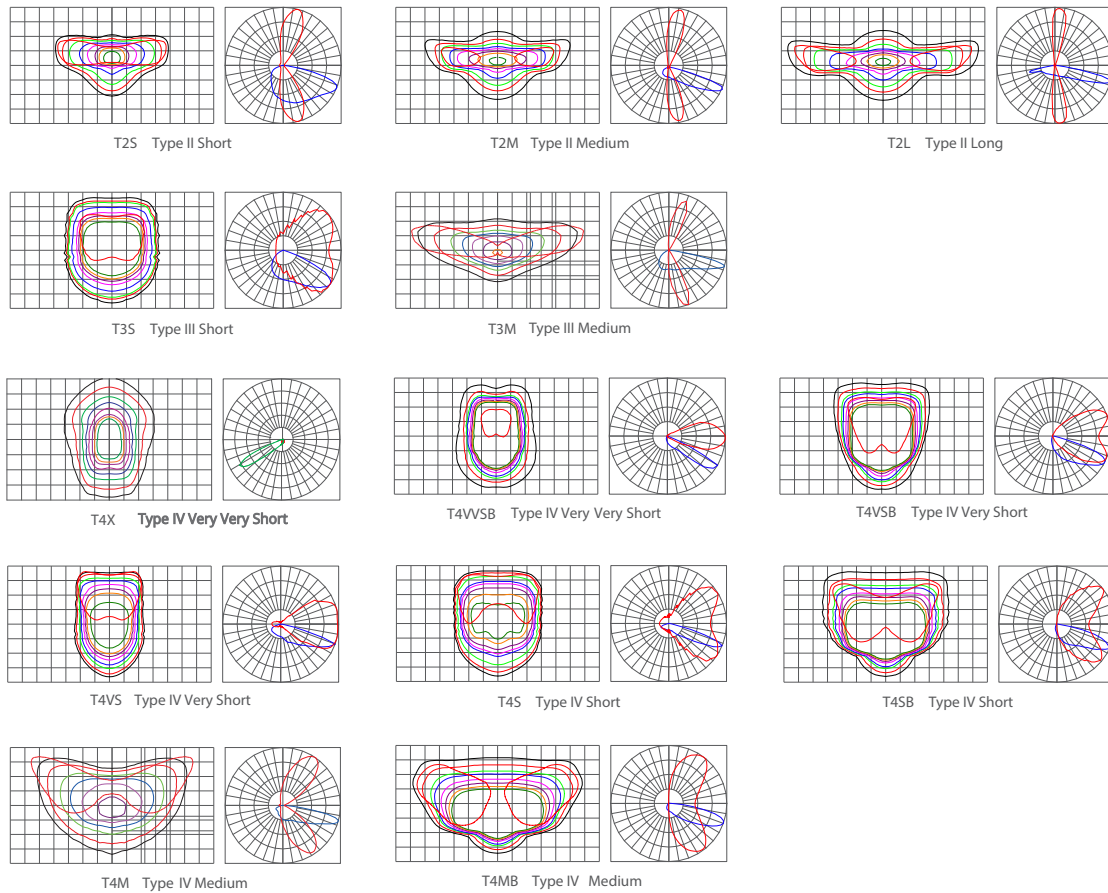




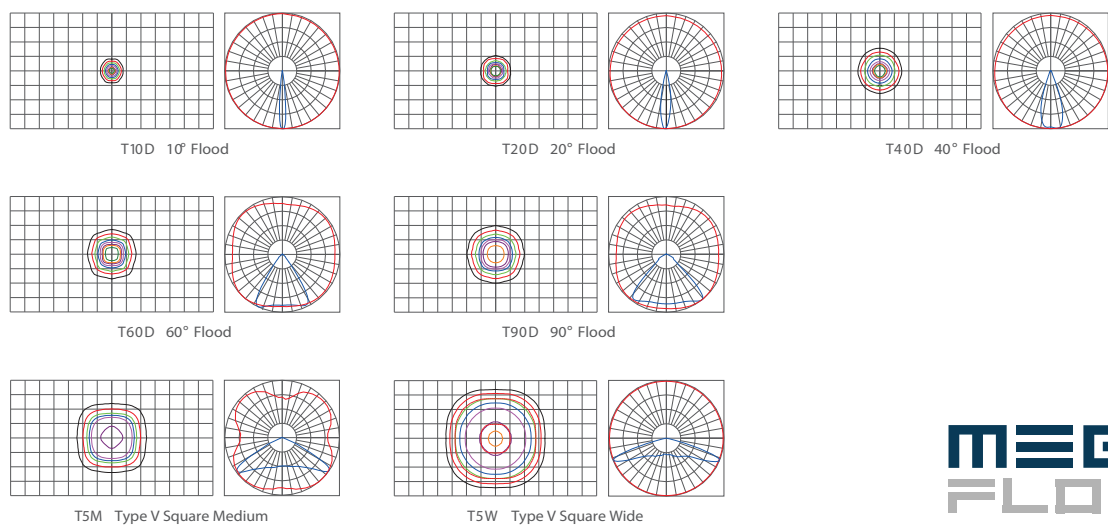
PHOTOMETRICS

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



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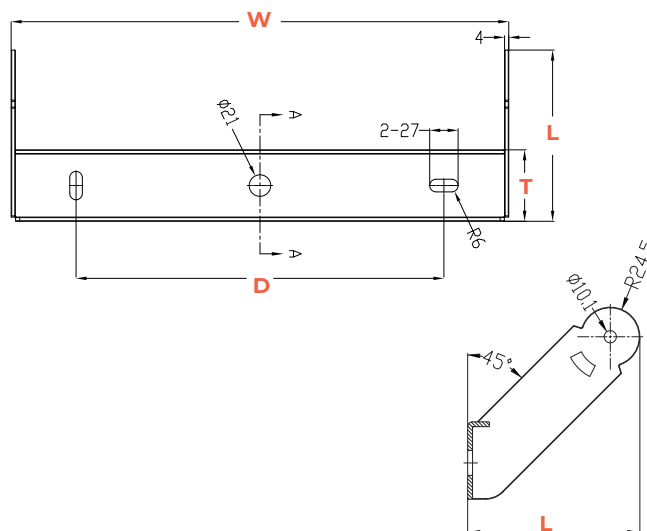
MOUNTING BRACKETS



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



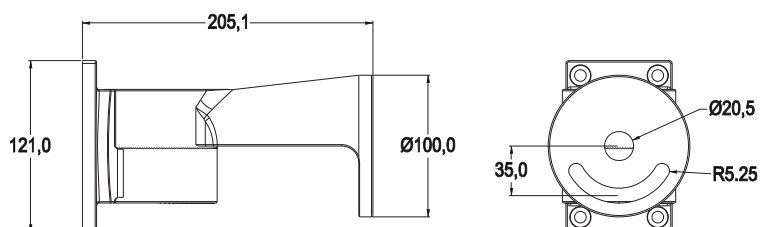
U Bracket - Trunion mount



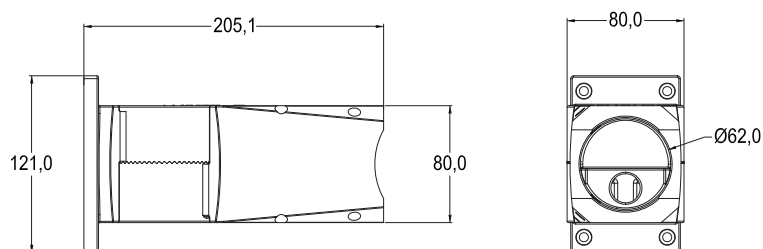
MODEL	W	L	T	D
FLA040 & FLC080	250	159	64	150
FLC120 / FLD180	286	159	64	150
FLC160 & FLD240	348	159	64	250
FLC200 / FLD300	411	159	64	250
FLC240 & FLD360	473	163	68	350
FLC320 & FLD480	598	163	68	350
FLD720	582	168	76	350
FLD960	698	168	76	350

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

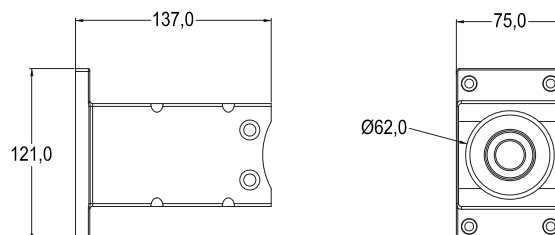
J Bracket - Rotatable surface mount



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

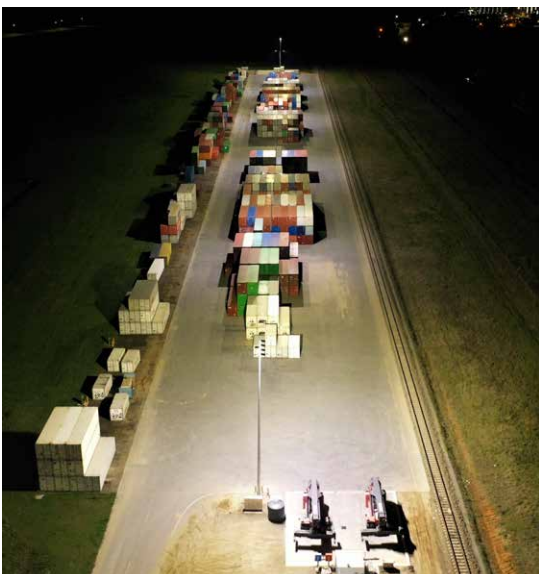


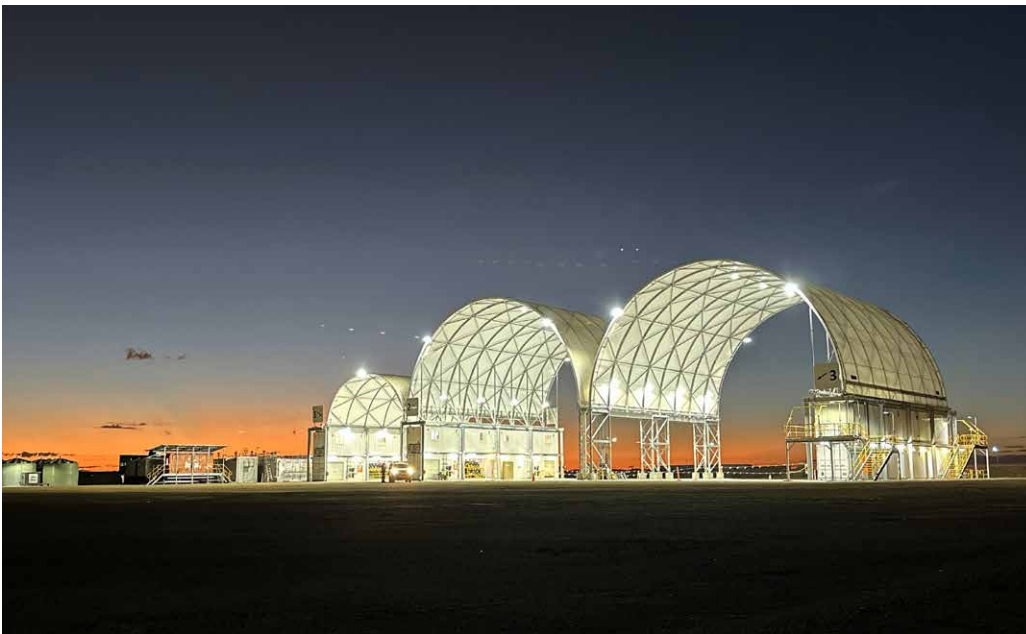
RAL 7004 Signal Grey



White and other RAL colours available on request

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LUMINAIRE EPA

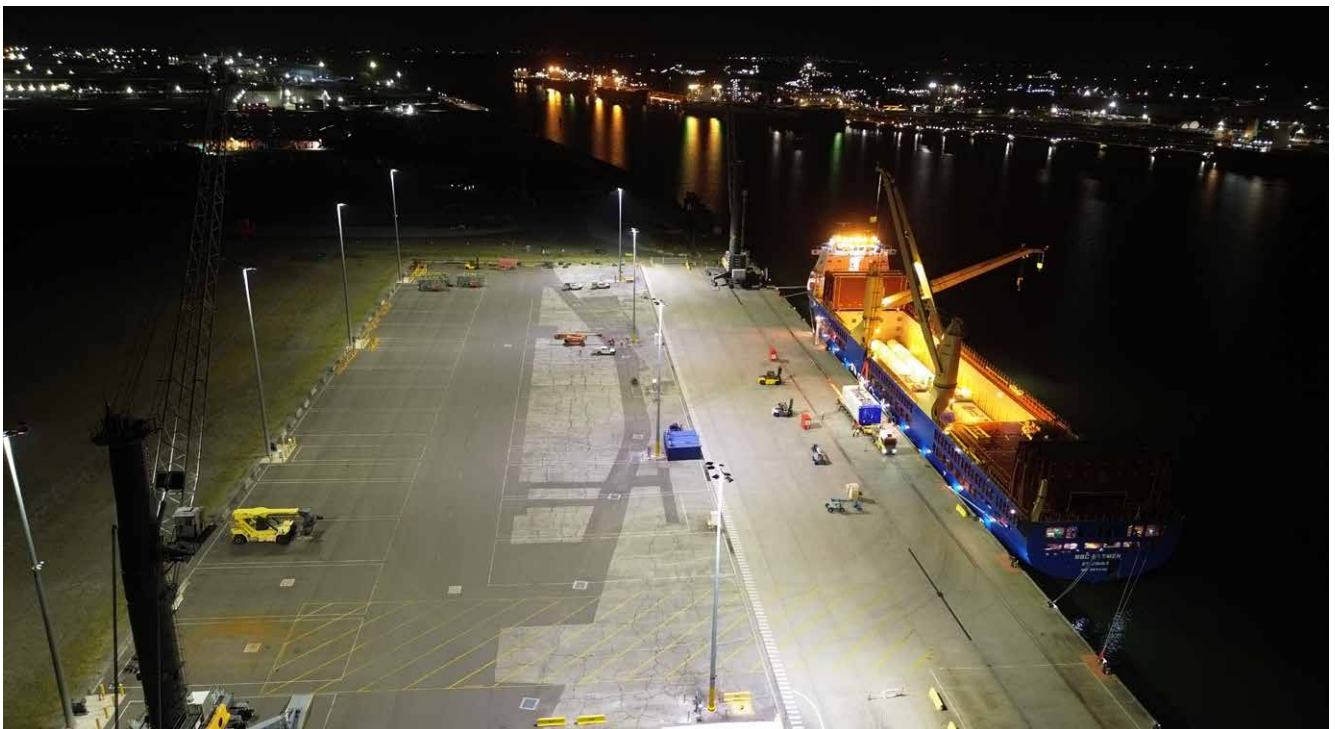


FLA040 / FLC080 / FLD120
FLC120 / FLD180
FLC160 / FLD240
FLC200 / FLD300
FLC240 / FLD360
FLC320 / FLD480
FLD720
FLD960
FRLD1200

	0° TILT	10° TILT	20° TILT	30° TILT	45° TILT
					
FLA040 / FLC080 / FLD120	0.051	0.058	0.066	0.073	0.082
FLC120 / FLD180	0.052	0.061	0.070	0.078	0.087
FLC160 / FLD240	0.054	0.066	0.077	0.089	0.101
FLC200 / FLD300	0.059	0.074	0.089	0.104	0.119
FLC240 / FLD360	0.060	0.079	0.097	0.115	0.134
FLC320 / FLD480	0.067	0.092	0.117	0.141	0.166
FLD720	0.084	0.119	0.153	0.189	0.223
FLD960	0.089	0.136	0.182	0.229	0.276
FRLD1200	0.093	0.154	0.210	0.268	0.330

EPA measurements shown for U bracket, in m².

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