

## DACA LED M18 Series 230W – 1,350W

### FEATURES

- Multiple beam angles
- Module fitting
- No warm-up time
- Light spill control technology
- Symmetric and asymmetric beam angles
- Easy installation and maintenance
- Lumileds
- Meanwell driver
- IP66 waterproof
- Remote driver available, to accommodate a more lightweight fitting

### TYPICAL APPLICATIONS

- General floodlighting
- Tennis courts
- MUGA
- Football pitch
- Equestrian arenas
- Netball
- Bowling greens





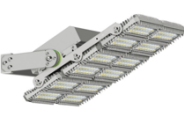
### SPECIFICATIONS

#### PERFORMANCE

Efficiency	140 – 150lm/Watt
LED Chip	Lumileds
Colour Temperature	3000 – 5700K
CRI	>70
LED Calculated Life	Lifetime – 155,000 hrs
Input Voltage	100 – 240 VAC
Power Factor	0.95
IP Rating	IP66

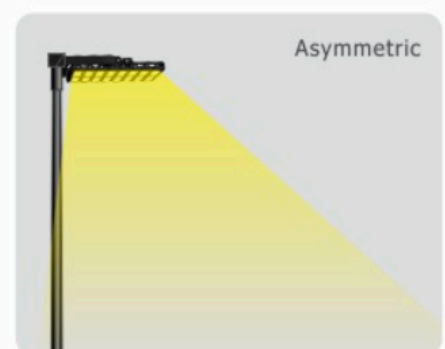
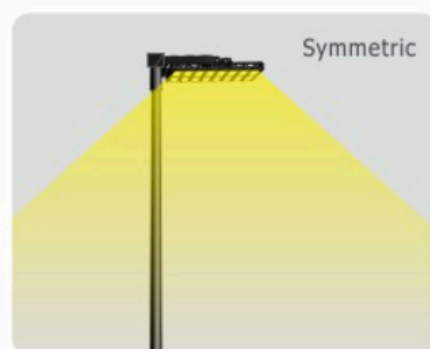


## SPECIFICATIONS

Picture	Part#	Power	No. of Modules	IES	Total Lumen	Net Weight	Product Dimensions
	2MFL230W: <ul style="list-style-type: none"> <li>• 30B-110</li> <li>• 50B-15</li> <li>• 50B-25/60</li> <li>• 50B -Asy</li> </ul>	230W	2	140 - 150LPW	27,600 – 35,100lm	7kg	373x340x185mm
	2MFL450W: <ul style="list-style-type: none"> <li>• 30B-110</li> <li>• 50B-15</li> <li>• 50B-25/60</li> <li>• 50B -Asy</li> </ul>	450W	4	140 - 150LPW	54,700 – 70,200lm	19.2kg	685x390x240mm
	2MFL650W: <ul style="list-style-type: none"> <li>• 30B-110</li> <li>• 50B-15</li> <li>• 50B-25/60</li> <li>• 50B -Asy</li> </ul>	650W	6	140 - 150LPW	82,700 – 105,300lm	24.1kg	890x390x240mm
	2MFL900W: <ul style="list-style-type: none"> <li>• 30B-110</li> <li>• 50B-15</li> <li>• 50B-25/60</li> <li>• 50B -Asy</li> </ul>	900W	8	140 - 150LPW	110,300 – 145,000lm	33.3kg	685x700x240mm
	2MFL1350W: <ul style="list-style-type: none"> <li>• 30B-110</li> <li>• 50B-15</li> <li>• 50B-25/60</li> <li>• 50B -Asy</li> </ul>	1350W	12	140 - 150LPW	165,500 – 210,700lm	42.8kg	890x700x240mm

## OPTIONAL BEAMS

Each fitting comes with the option of either symmetric or asymmetric beam angles, that will distribute the light in two different ways

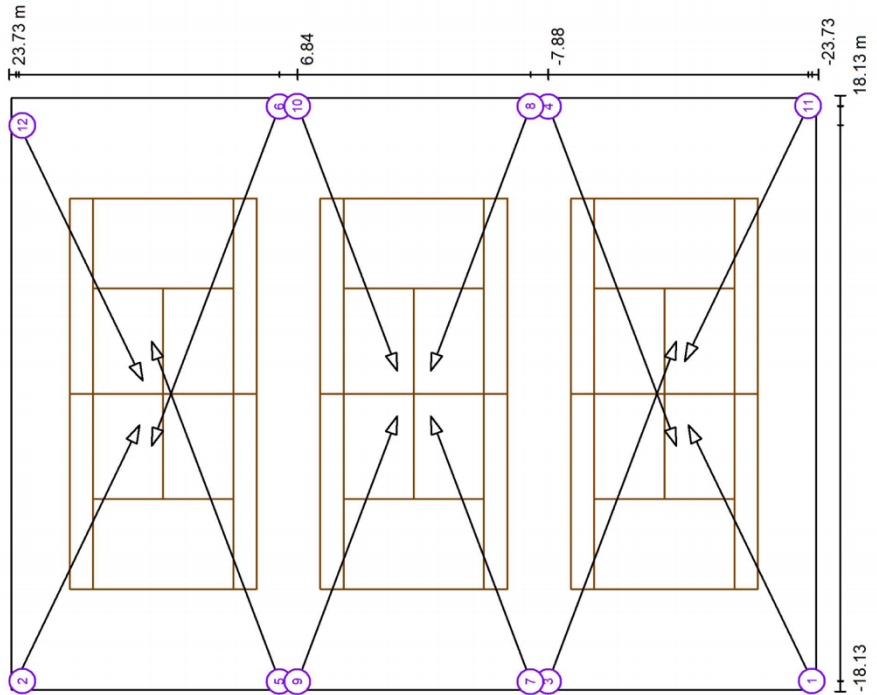


## EXAMPLE DIALUX

Based on a three court system:

- 8 x 8m high posts
- 12 x DACA M18 650W
- Asymmetric beam angle of 130 x 25

All drawings and lighting solutions are bespoke. Our lighting consultants will discuss the best solution for your project.



## Data for middle court (PPA)

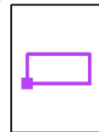
LTA recommendations are to achieve an average of 500 lux on the PPA, with a minimum uniformity of 0.7.

Using this solution, our client would achieve an average of 518 lux on the PPA, with 0.86 uniformity.

530	565	573	539	502	476	466	478	503	541	571	562	531	5.50 m
513	<u>576</u>	574	525	493	466	456	464	488	526	574	569	510	
510	574	567	523	488	463	448	460	481	520	569	572	506	
501	574	566	516	482	462	<u>446</u>	462	482	517	567	573	499	
508	573	568	519	480	459	447	462	488	524	567	573	508	
512	570	573	524	486	461	454	465	493	525	573	<u>576</u>	513	
534	563	570	539	500	474	463	474	501	539	573	564	530	
-11.89													11.89 m

Values in Lux, Scale 1 : 170

Position of surface in external scene:  
Marked point: (-11.885 m, -5.500 m, 0.000 m)



Grid: 13 x 7 Points

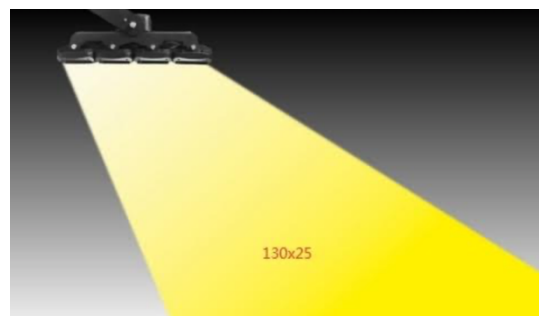
$E_{av}$  [lx]  
518

$E_{min}$  [lx]  
446

$E_{max}$  [lx]  
576

$u0$   
0.86

$E_{min} / E_{max}$   
0.77



## OPTIONAL DRIVER SOLUTION

(If required)

### Separated Driver Solution

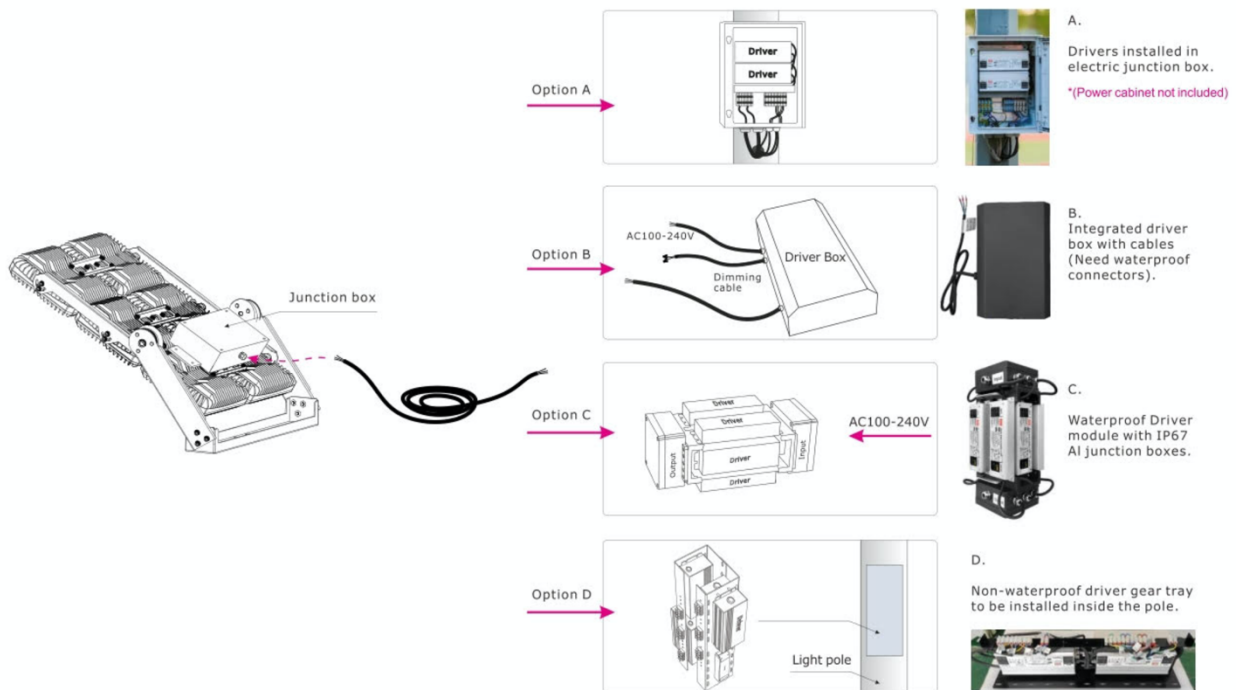
Modular Floodlight

Cost-saving & Easy connect

LED Lighting Solution Provider.

Built-in driver control board

Only one 3-core cable required.



Contact our lighting consultants today for a bespoke quote