

FL21




LED Flood Light



Specifications

Input Voltage:	100 ~ 277Vac
Input Frequency:	50 / 60Hz
Power Factor:	0.95
Surge Protection Level:	10kV line-earth
Working Environment:	-40°C ~ +50°C, 10% ~ 90% RH
CCT:	3000K, 4000K, 5000K, 5700K
CRI:	≥70
Housing:	Die-cast Aluminum
IP Rating of LED Engine:	IP68
IP Rating of LED Driver:	IP67
Warranty:	5 Years Limited

Finishing Colors

	Gray		Black
	White		Blue

Applications

- Sports facilities (stadium, football field, golf course....)
- Traffic arteries (airport, crossroad....)
- Advertisement (wall, billboard....)

Features

Construction

- Die-cast aluminum housing.
- Unique patented IP68 LED light engines.
- Whole structure heating dissipation design with best thermal conduction and radiation.
- Tempered glass cover available as optional choice.
- IP67 rated luminaire. IP66 with the glass cover.

Distribution

- Ergonomic and dedicated lighting distributions.

Mounting

- Bracket adjustable within $\pm 60^\circ$.

Photos



FL21C/D/E

LED Flood Light

Ordering Information

Example: FL21C-N2-100-BA-28-3160-7040-LU-MO-BK

Luminaire Type	Module Qty.	System Power	LED Package	Cable Standard	LED Qty per Module	
FL Flood light	N1 1 engine	40 40W	C 3030	A CCC+VDE	63 63pcs	
21M 21M series	N2 2 engines	50 50W	B 5050	C PSE	28 28pcs	
21C 21C series	N3 3 engines	60 60W		H UL		
21D 21D series	N4 4 engines	80 80W		X Others		
21E 21E series					
		240 240W				
Lens Code		CRI & CCT		Brand of LEDs	Driver Brand	Housing Color
1025 25 degree	1060 60 degree	7030 Ra≥70, CCT 3000K	LU LUMILEDS	SS SOSEN	IN INVENTRONICS	BK Black
2140 40 degree	1090 90 degree	7040 Ra≥70, CCT 4000K				
3125 25 degree	2190 90 degree	7050 Ra≥70, CCT 5000K	XX OTHER	XX OTHER		BU Blue
3140 40 degree	2211 90x40 degree	7057 Ra≥70, CCT 5700K				
3160 60 degree	2310 Lambertian type					
						GY Gray

Performance

Model	Power (W)	3030 LEDs		5050 LEDs	
		Efficacy (lm/W)	Flux (lm)	Efficacy (lm/W)	Flux (lm)
FL21M-N1	40	135	5400	168	6720
	50	130	6500	163	8150
	60	122	7320	155	9300
FL21C-N2	80	140	11200	175	14000
	100	135	13500	170	17000
	120	127	15240	163	19560
FL21D-N3	120	140	16800	175	21000
	150	135	20250	170	25500
	180	127	22860	163	29340
FL21E-N4	180	140	22400	175	31500
	200	135	27000	170	34000
	240	127	30480	163	39120

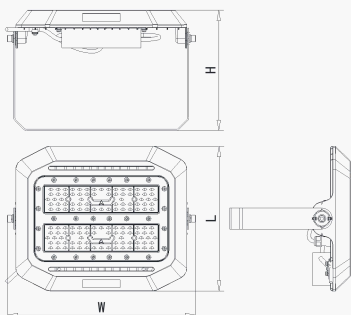
Notes 1: Above are typical values based on the product with CRI≥70 and CCT over 3000K and subject to ±5%~±8% tolerance, values of CCT 3000K are 5% lower than above.

Notes 2: With optional tempered glass cover, efficacy drops by around 8%.

Dimensions

Model	L (mm)	W (mm)	H (mm)	N.W.* (kg)
FL21M	195	355	225	2.8
FL21C	275	360	230	3.7
FL21D	375	385	250	6.1
FL21E	450	385	285	6.8

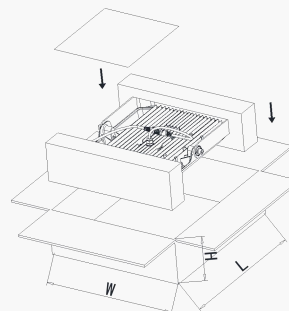
Notes: Typical values above, tolerance: dimensions ±5mm; N.W. ±5%



Package Information

Model	L (mm)	W (mm)	H (mm)	G.W.* (kg)
FL21M	415	355	190	3.6
FL21C	405	365	150	4.4
FL21D	470	430	155	7.1
FL21E	505	470	155	7.8

Notes: Typical values above, tolerance: dimensions ±5mm; G.W. ±5%



FL21C/D/E

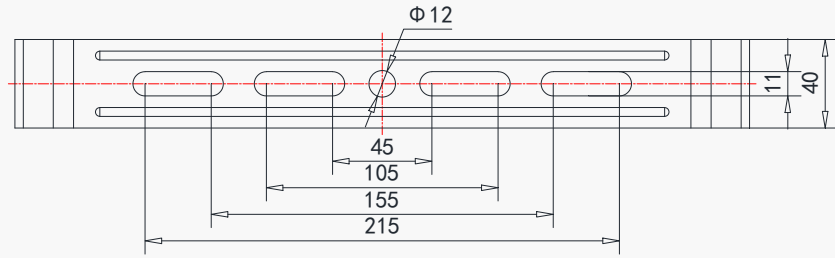
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Installation Bracket

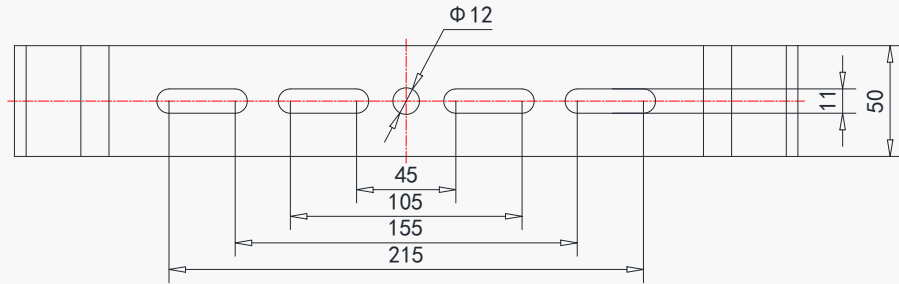
Model

Mounting Holes

FL21M/
FL21C



FL21D/
FL21E



Accessories

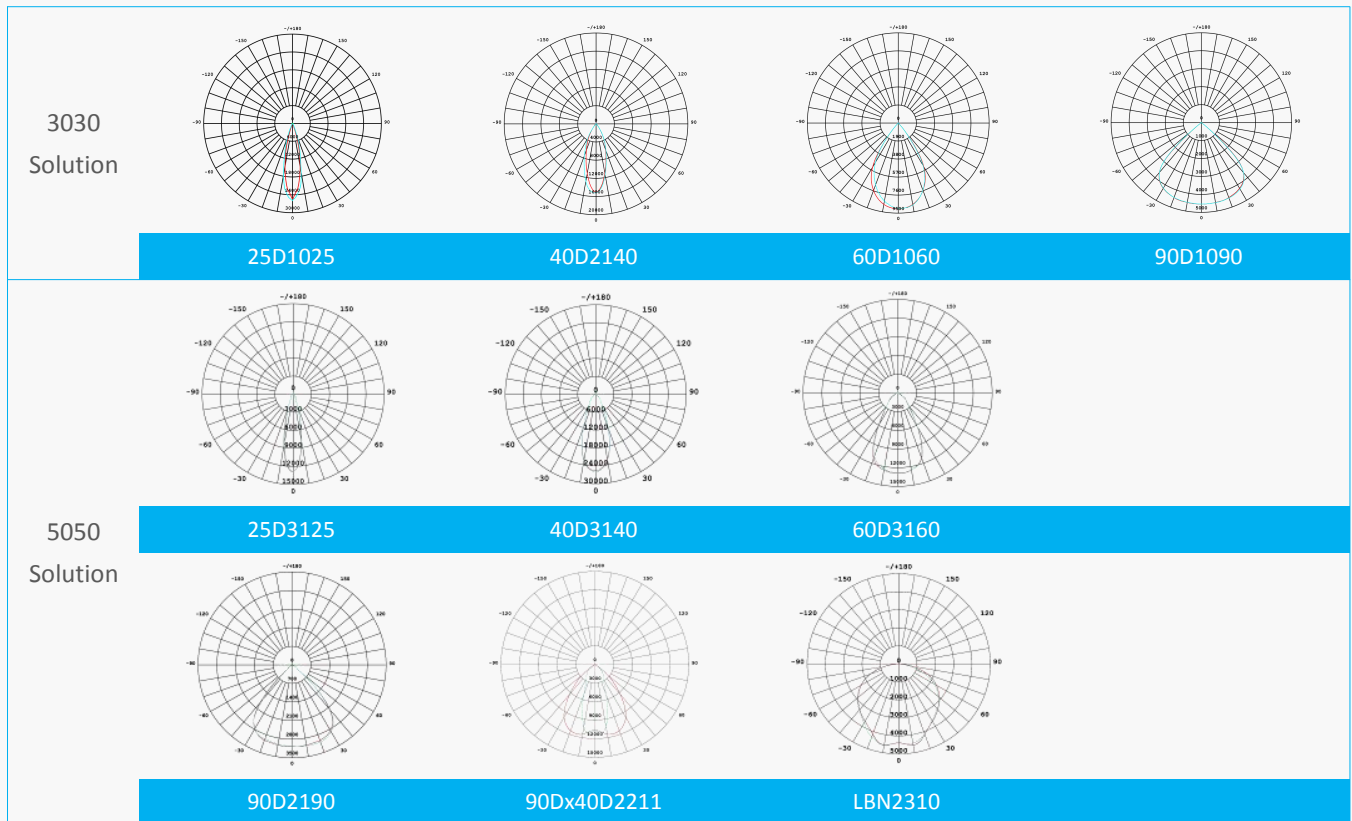
FL21M/C/D/E Tempered Glass Cover



FL21C/D/E

LED Flood Light

Distributions



Version History

Change Date	Version	Item	Description of Change	
			From	To
2020/06/18	Ver1.0	Datasheet Release	/	/
2021/05/31	Ver1.1	Add 40W-6W solution	/	FL21M