

SKD-831 Serials LED Module

—SKD Outdoor Lighting Product Portfolio

Product Description

- High purity Aluminum Materials for the housing & heatsink
- Expert thermal management design for the Fin-style heatsink
- The lighting direction adjustable for 270° rotation, stepping by 5°
- Customer orientation design for the easy assembly at luminaire level
- The driver box at the rear of heatsink, to protect the connectors and avoid the physical and biological damage, and make sure the IP 67
- Good-looking industrial design and module concept for the better inventory management
- Classic 24V 5050 LED package, with no patent risk globally
- Anti-UV PC materials for the lens, with no patent risk globally
- IP67 rating for various outdoor application and harsh environment
- Multi brand availability of outdoor drivers: Philips, OSRAM, Meanwell, Sosen, MOSO
- Driver excluded



Product Specification

- Individual 300W Light Module, with 118pcs LED. The efficacy is up to 130lm/W.
- Viewing angles of 10°, 20°, 40°, 60°, 90°, Type III, Type IV, asymmetric 50°, asymmetric 60° for various applications

Unique Advantage

- Easy assembly at luminaire level, thanking the module design
- High-efficiency inventory management by module
- Many viewing angles for different venues
- Patented, with no patent risk globally

Application

- Port, Stadium, Airport, Ferry and other high pole lighting applications
- Individual 300W for the easy installation on project sites



SKD-831 serials LED Module List

5 power level from 300W to 1500W, with 3 typical CCT(5000K, 5700K, 6500K)

Module design patented, no patent risk globally

Product Name 3 CCT	Power Rate (W)	Luminos Flux (lm)	Dimension (mm)	Packing dimension (mm)	Weight (kg)	LED package type	PCB design	LED driver selection guide
SKD-831-300W-50K SKD-831-300W-57K SKD-831-300W-65K	300W	39068	565*308*133	363*620*200	6	5050	2S49P*1	If=6250mA(max.) Vf=48V 1pcs 300W Driver
SKD-831-600W-50K SKD-831-600W-57K SKD-831-600W-65K	600W	78136	565*382*155	437*620*208	8	5050	2S49P*2	If=6250mA(max.) Vf=48V 2pcs 300W Driver
SKD-831-900W-50K SKD-831-900W-57K SKD-831-900W-65K	900W	117204	565*434*155	489*620*208	10	5050	2S49P*3	If=6250mA(max.) Vf=48V 3pcs 300W Driver
SKD-831-1200W-50K SKD-831-1200W-57K SKD-831-1200W-65K	1200W	156272	565*582*155	637*620*208	12	5050	2S49P*4	If=6250mA(max.) Vf=48V 4pcs 300W Driver
SKD-831-1500W-50K SKD-831-1500W-57K SKD-831-1500W-65K	1500W	195340	565*730*155	785*620*208	14	5050	2S49P*5	If=6250mA(max.) Vf=48V 5pcs 300W Driver

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LED Light Source Option Specification

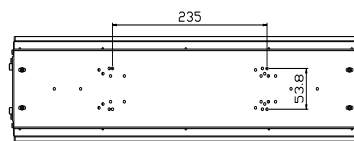
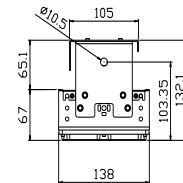
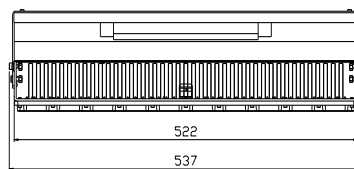
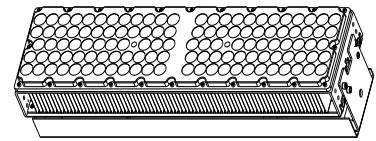
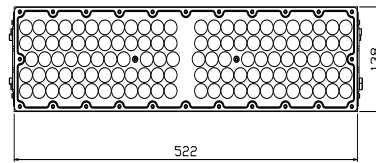
Brand	Product	If(mA)	Vf(V)	CCT	CRI	Efficacy(lm/W)	Lifetime
Lumileds	5050	160	24	5000K, 5700K, 6500K	>80	160	50000h
Lightning	5050	200	24	5000K, 5700K, 6500K	>80	140	50000h

LED patented, no patent risk globally

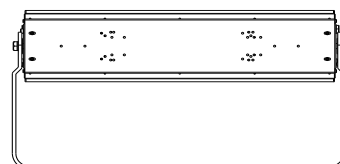
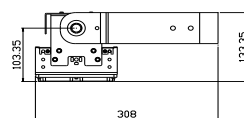
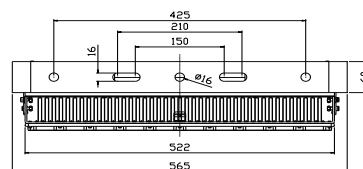
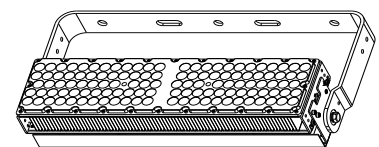
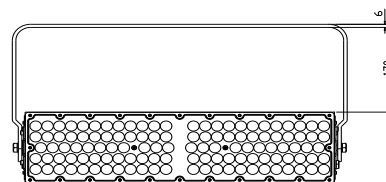


SKD-831 serials LED Module Drawing

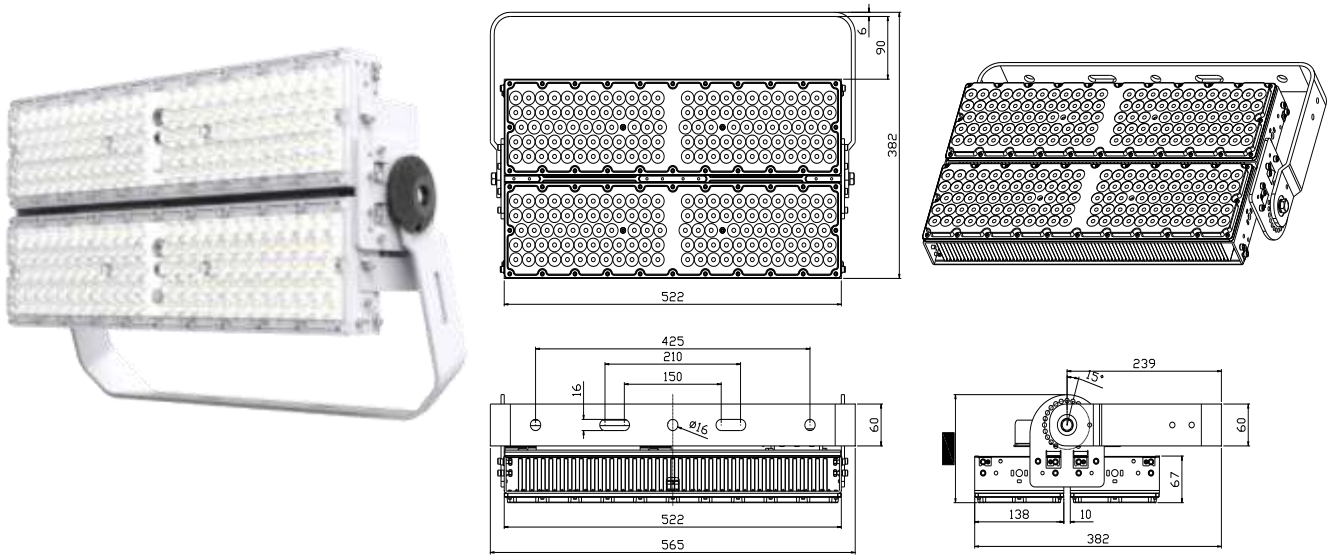
- SKD-831-300W Single Module Product drawing



- SKD-831-300W Product drawing

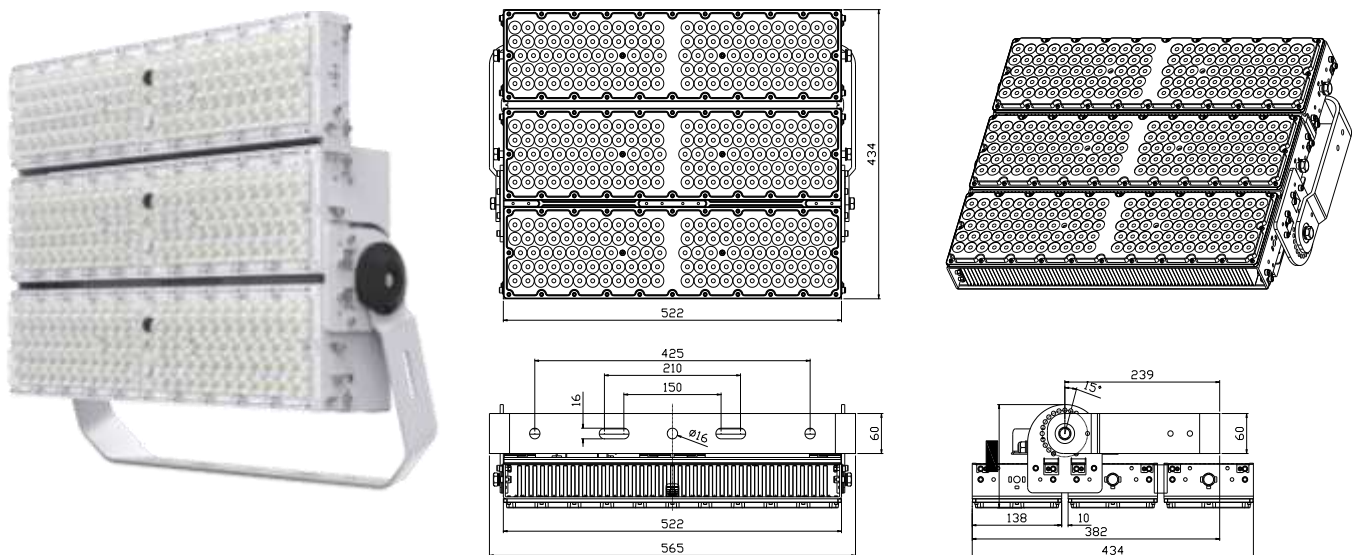


• SKD-831-600W Product drawing

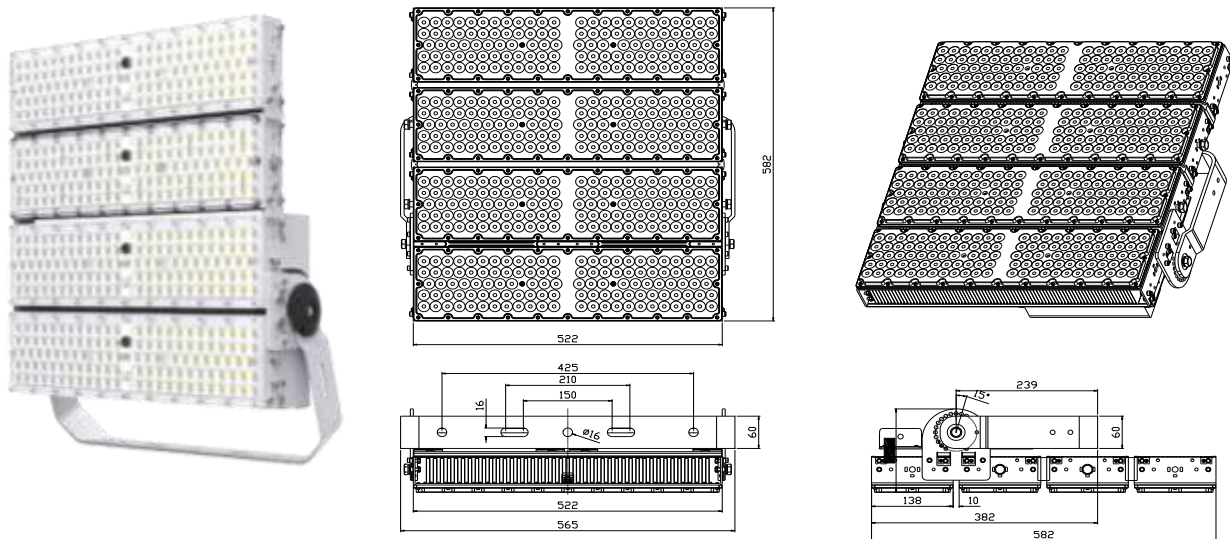


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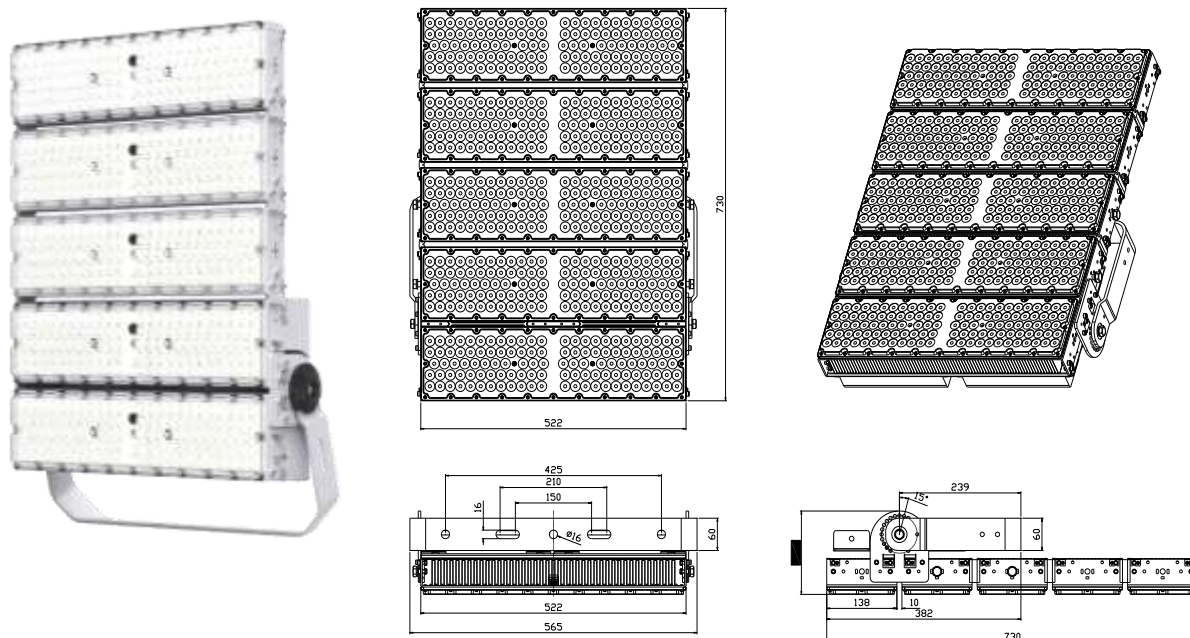
• SKD-831-900W Product drawing



- SKD-831-1200W Product drawing



- SKD-831-1500W Product drawing

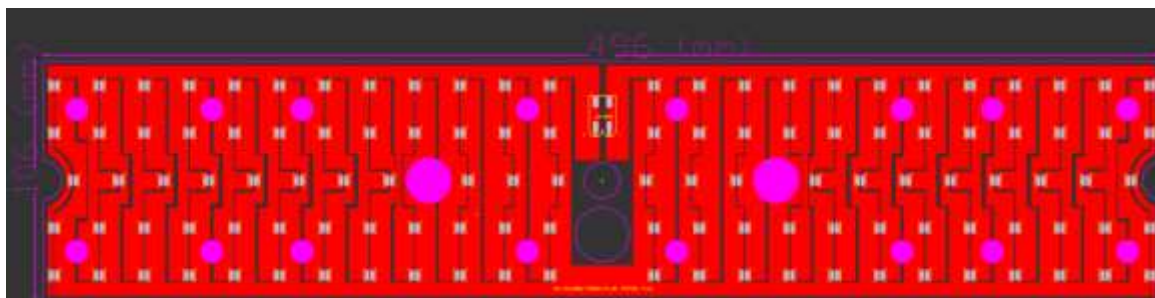


SKD-831 serials LED Module 300W AI-Base MCPCB

Al-base MCPCB, for 5050 LED, 2 in serials and 49 in parallels

Thermal Conductivity up to 2.0 for MCPCB

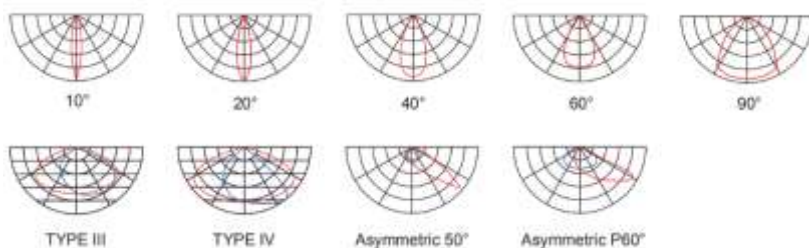
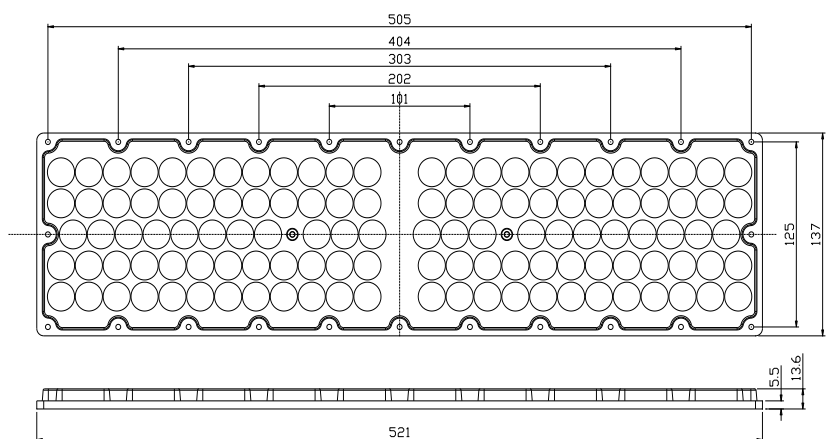
MCPCB patented, no patent risk globally



SKD-831 serials LED Module 300W Lens

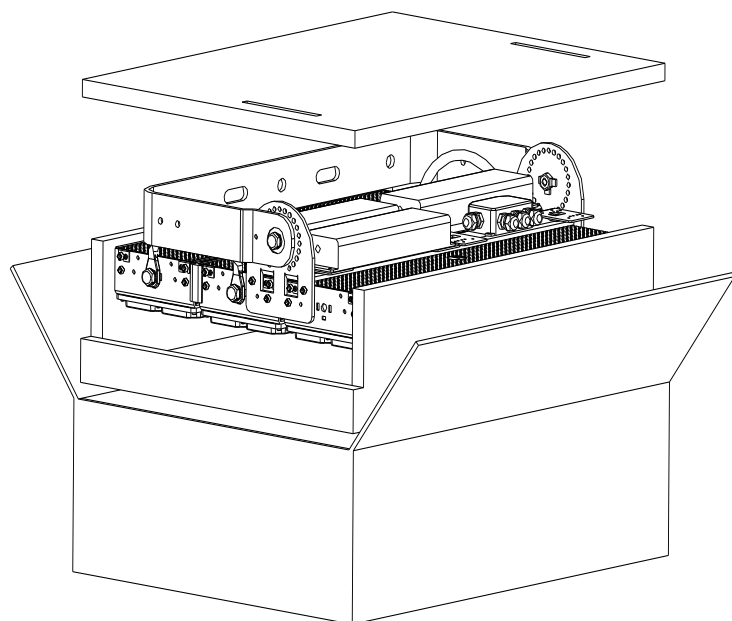
Viewing angle options: 10°, 20°, 40°, 60°, 90°, Type III, Type IV, asymmetric 50°, asymmetric 60°

Darkoo lens patented, no patent risk globally



SKD-831 serials LED Module Packing

Packing: EPE upper cover + LED luminaires + EPE base + K7 box



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SKD-831 serials LED Module Constant Current Driver Option(excluded in packing)

Product	Power rated(W)	I(mA)	V(V)	Driver Quantity	LED driver recommendations
SKD-831-300W	300W	6250	48	1	Sosen: SS-320M-56BH
SKD-831-600W	600W	12500	48	1	Sosen: SS-600M-56BH
SKD-831-900W	900W	6250	48	3	Sosen: SS-320M-56BH
SKD-831-1200W	1200W	12500	48	2	Sosen: SS-600M-56BH
SKD-831-1500W	1500W	12500	48	3	Sosen: SS-600M-56BH
SKD-831-1500W	1500W	6250	48	5	Sosen: SS-320M-56BH

About SKD Lighting

Dedicated to focus on LED Lighting Solution Kits Delivery Supply Chain, via the 4S Values:

Security	Supply Chain Security, for customer information security, patent security, product information security, business data security
Service	Supply Chain Service, for product service, technical service, logistic service, data service
Sustainability	Supply Chain Sustainability, by SKD business focus & sustainability, sustainable service, product development sustainability
Saving	Supply Chain Saving, for cost optimization, high performance/price solutions & service

Our Vision——Global Solution Kits Delivery for Lighting**Contacts:**

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