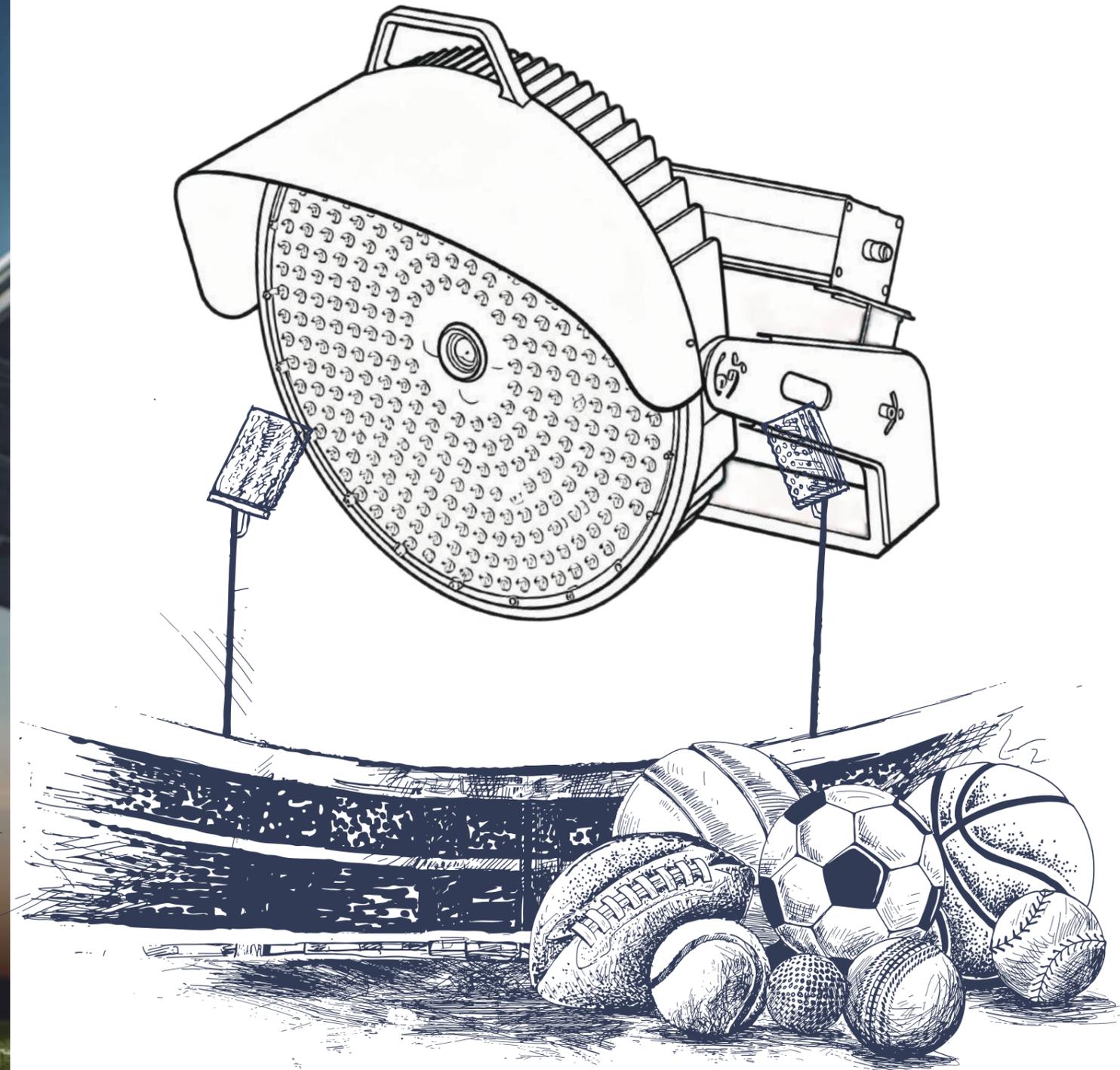


LED
PRO MAX

Your Specialist in
LED Sports Lighting

R5

Ideal for Stadium lighting
from 600W to 1800W
Retrofit 1-to-1



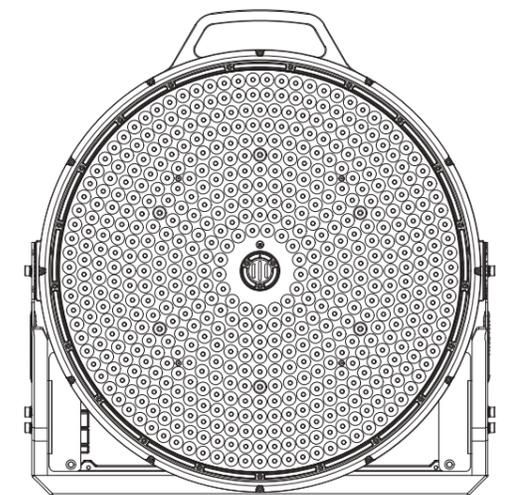


R5

LED Stadium lighting

With retrofit design concept, R5 continues traditional circular shape, without change existed wiring connections, it can be replaced 1-to-1

Aluminium alloy heat sinks are heavier than traditional metal halid lamps, it is our goal to achieve better heat dissipation management abilities under the same weight and dimension, that's why we chose cold-forging process instead of ADC12 die-casting process



Dimension

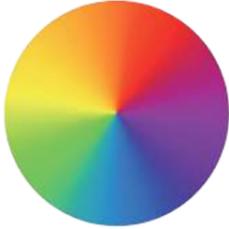
Size S: 600W/800W
Size M: 1000W/1200W
Size L: 1500W/1800W

Robus Light weight



Retrofit 1-to-1

3 different sizes
Power range from 600W-1800W
Replace traditional 1KW/2KW HID



2 RGB Solutions

600W White + 600W RGB
4 channels can work simultaneously

1200W white + 1200W RGB
White or RGB can't work simultaneously

Control by DMX512





Robus AL1060 Cold-forging



The answer

ADC12 Die-casting	96W/(m.K)
AL1060 Cold-forging	237W/(m.K)
AL6063 Extrusion	150-230W/(m.K)

The Meanings

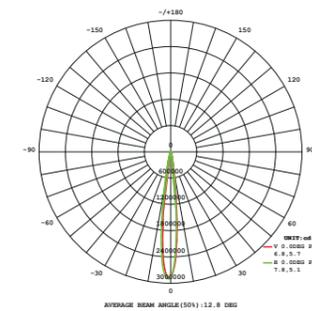
Under the same size of the heat sink, AL1060 can undertake more wattage
 Under the same wattage, AL1060 need smaller size of heat sink
 Under the same size and wattage, AL1060 has lower temperature rise
 All in one, better heat dissipation management abilities

But heat sink material is not the only factor for heat dissipation,
 there are still some other key factors which effect the heat dissipation abilities

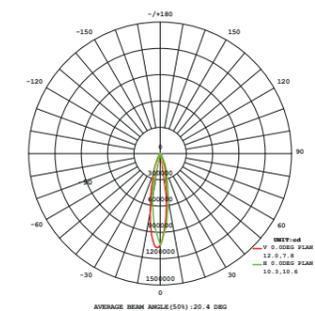
Classical types Beam angle



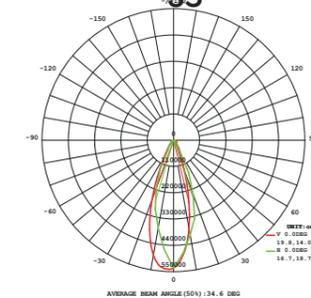
12°



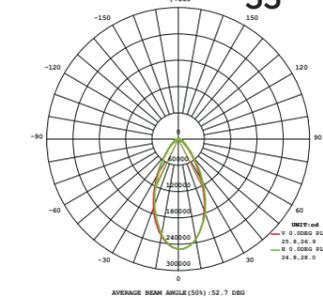
20°



35°



55°



From different brand LEDs the beam angle differs within 5 degrees
above data is tested with Lumileds 5050 leds

For narrow beam angle, such as below 10 degree, our solution is to use
specific 3535 type of leds, it can reach about 6 degree

Reliable Power Supply

The manufacturers we cooperated such as inventronics, MOSO, UpowerTek, Moon's etc.

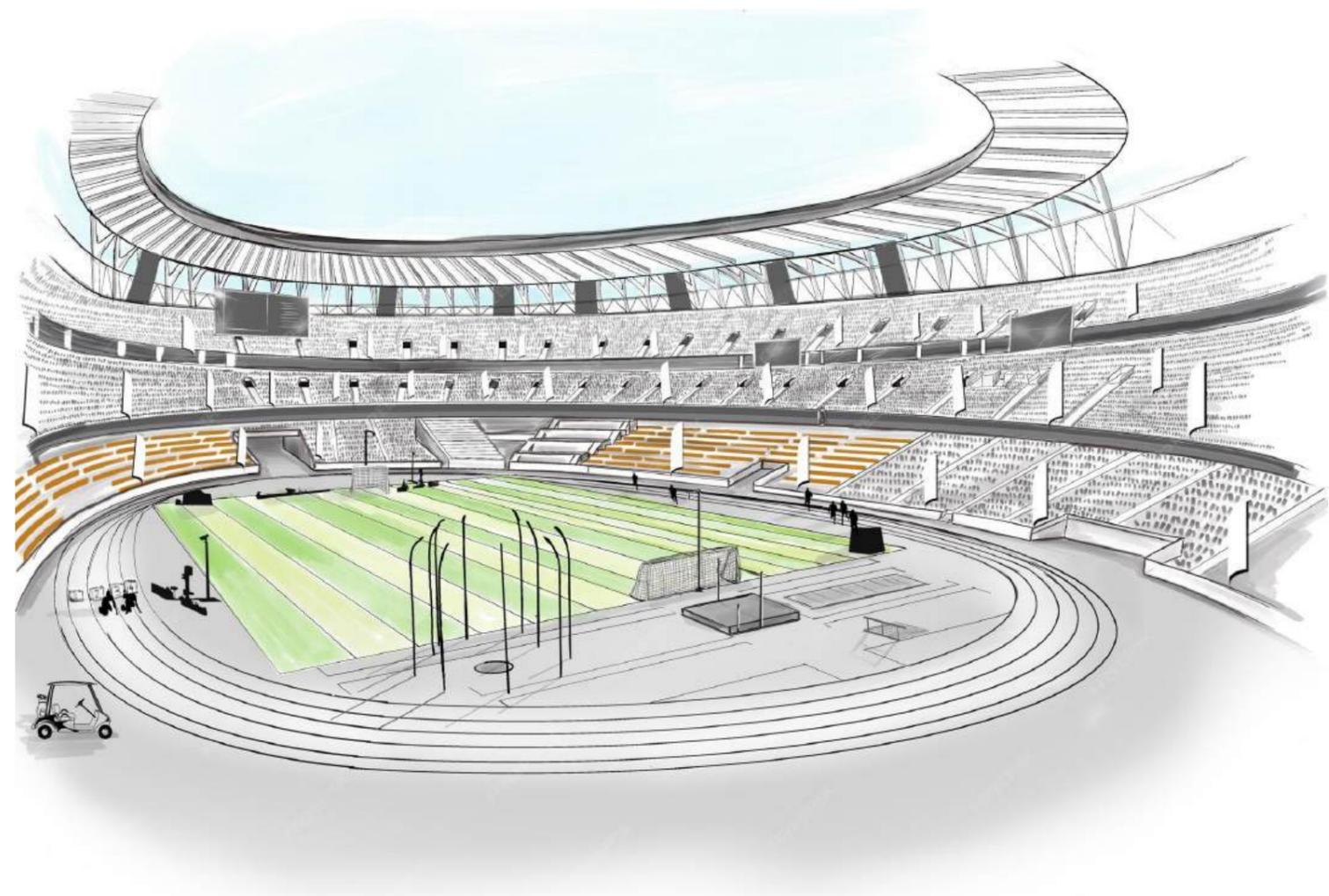
Key features

- Non-isolated Class I
- Adjustable NTC thermal sensing and protection
- Flicker percent <1%
- Ultra high efficiency up to 97.5%
- Dimming range 0.1% - 100%
- Input surge protection DM 10kV CM 10kV
- No Afterglow
- DALI-2/DMX-RDM controls up to 44fps
- Output lumen compensation
- End-of-life indicator
- All-round protection: IOVP, IUVP, OVP, SCP, OTP, OPP
- MTBF 226,000 Hours
- Lifetime 115,000 Hours



Parameters

Model:	RSN-R5C		
Wattage:	600W/800W/1000W/1200W/1500W/1800W		
Efficacy:	140-170+ lm/W		
Luminous flux:	Luminous flux: 102,000 - 252,000lm		
Brands:	Lumileds/Osram/Samsung/Luminus/Sanan		
CCT:	3000K/4000K-5700K		
CRI:	Ra70+ (Ra80+ / Ra90+ / TLCI90+ on request)		
Beam angle:	10° / 20° / 40° / 60°		
PCB voltage resistant:	1500V/2000V/3500V		
PCB conductivity:	Cooper foil 2 OZ + 2.0W(m.K.)+2mm thickness		
Input voltage:	100-277V AC / 100-528V AC 50/60Hz		
Electric shock:	isolated / Non-isolated Class I		
Driver brands:	inventronics/MOSO/UpowerTek/LIFUD		
Flicker percent:	1% - 2%		
Surge protection:	10KV as standard + extra 20KV		
Intelligent control:	DMX512/DALI2.0/0-10V dimming		
Heat sink material:	AL1060 Cold-forging		
Ingress protection:	IP66/IK08		
Lifespan(TM21+ISTMT):	70,000h L80		
Warranty:	5years/7years/10years		
Color:	Grey		
Net.Weight:	11.0kg	23.2kg	26.2kg
Gross Weight	13.5kg	26.5kg	30.5kg
Dimension	408*420*306mm	536*539*499mm	595*615*897mm
EPA (max):	0.172m ²	0.289m ²	0.366m ²
Certificates	CE RoHs CB		



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