

ERVAN[®]

LED
INDOOR
SPORTS HALL
LUMINAIRE



ABOUT US

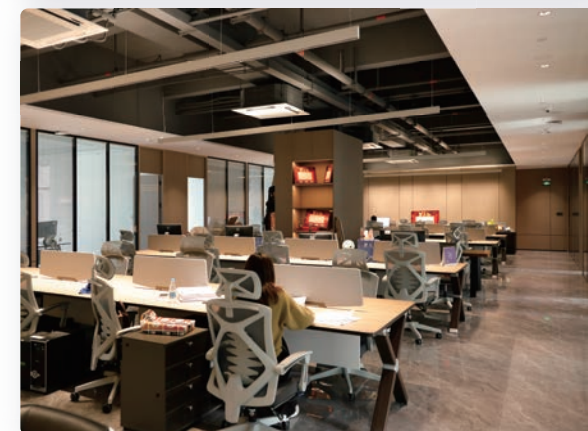
Founded in 2002, ERVAN is located in China South Modern City – DONGGUAN, committing to the development of world-class professional LED lighting, involved in perfect commercial and industrial lighting solutions for European and America markets.

Continuous innovation, consistently high quality production, and reliable quality assurance are the basic definition of ERVAN luminaires. ERVAN insists on originality, and partial product design has obtained global patents to protect the interests of our distributors in the end market.

In the long-term development process, ERVAN has attracted a large number of outstanding R&D technical talents to form the driving force for the company's continuous innovation. At the same time, ERVAN has also invested in some high-tech laboratory equipments, providing professional and reliable theoretical support for product development and market application research. Professional talents and technical equipments also enable ERVAN to have strong OEM and ODM capabilities to meet the growing customization needs from market.

With 21 years corporate history, ERVAN has achieved excellent brand recognition in the market and formed a stable and efficient supply chain management system. Clear positioning on the market and product , increase the recognition of ERVAN in the customer's mind. Maintaining a long-term stable strategic partnership with customers not only protects the market competitiveness of customers but also greatly enhances ERVAN's market perception. The construction of employee relations is also a feature of ERVAN. Free, happy and open working environment, has been built and owned by every ERVAN employees.

We wish, light art life !



With the spread of COVID-19 around the world, it is believed that more and more people will realize how important it is to have a healthy body. We believe more and more people are taking part in physical exercise.

It's very important to have a professional lighting product to meet the needs of the sports for application such as community gyms, sports clubs, school gyms etc..

ERVAN sports lighting has a well understanding of issues such as current trends and practices within individual sports, developments in the sport, technical developments in architecture and construction and the lessons to be learnt from previously built schemes...will be a good choice for your projects.

Glare control

When we are doing sports such as handball, bandy, volleyball, basketball etc.. It's not avoidable to watch the balls, then will form a special angle between our line of sight and the beam of lamps, if the light of lamps directly contact with the line of sight, the eyes will be stimulated by the bright light, the movement of the ball is not clear, lead to motion error, and even lead to injury. Therefore, reducing the glare value is a necessary requirement. UGR<22 is the usual requirement. If UGR<19 can be achieved, it will be considered as an excellent optical result.

Under normal circumstances, we can achieve low glare value in two ways. First, we can optimize the sheilding angle of lamps.The second is artificial lighting integrated into roof structure and located to avoid glare.

Uniformity of illumination

As we know, in sports, the competition needs very much concentration of players, if the uneven illumination of whole space Whether it's vertical or horizontal, not only affect our judgement result in motion error, the dark zones on the ground will also affect the movement of people.

Safety-Ball impact resistance

When we are playing ball games, the ball moving at a high speed will sometimes collide with the lamp installed on the roof, which will cause some safety hazards. Such safety hazards involve human life, which should be paid attention to. So this requires that our products must meet the requirements of the ball impact resistance, through professional testing standards.

Smart control

A comprehensive indoor sports place must meet the needs of a variety of sports, and each sport has different needs for lighting. In this case, we need our lamps to realize intelligence and adjust the lighting according to different needs. At the same time, intelligent realization is also conducive to saving the energy consumption and reducing the operation cost. DALI lighting control at the planning stage is advisable. Sometimes there is a folding partition wall in the centre enabling physical education lessons to be split over two areas or the hall is twice the size with a partition wall in the middle to make two full-sized playing areas. Some halls divide the surface into smaller sections, these divisions with partition walls should also divide occupancy detection in the premises.

Maintenance &Warranty

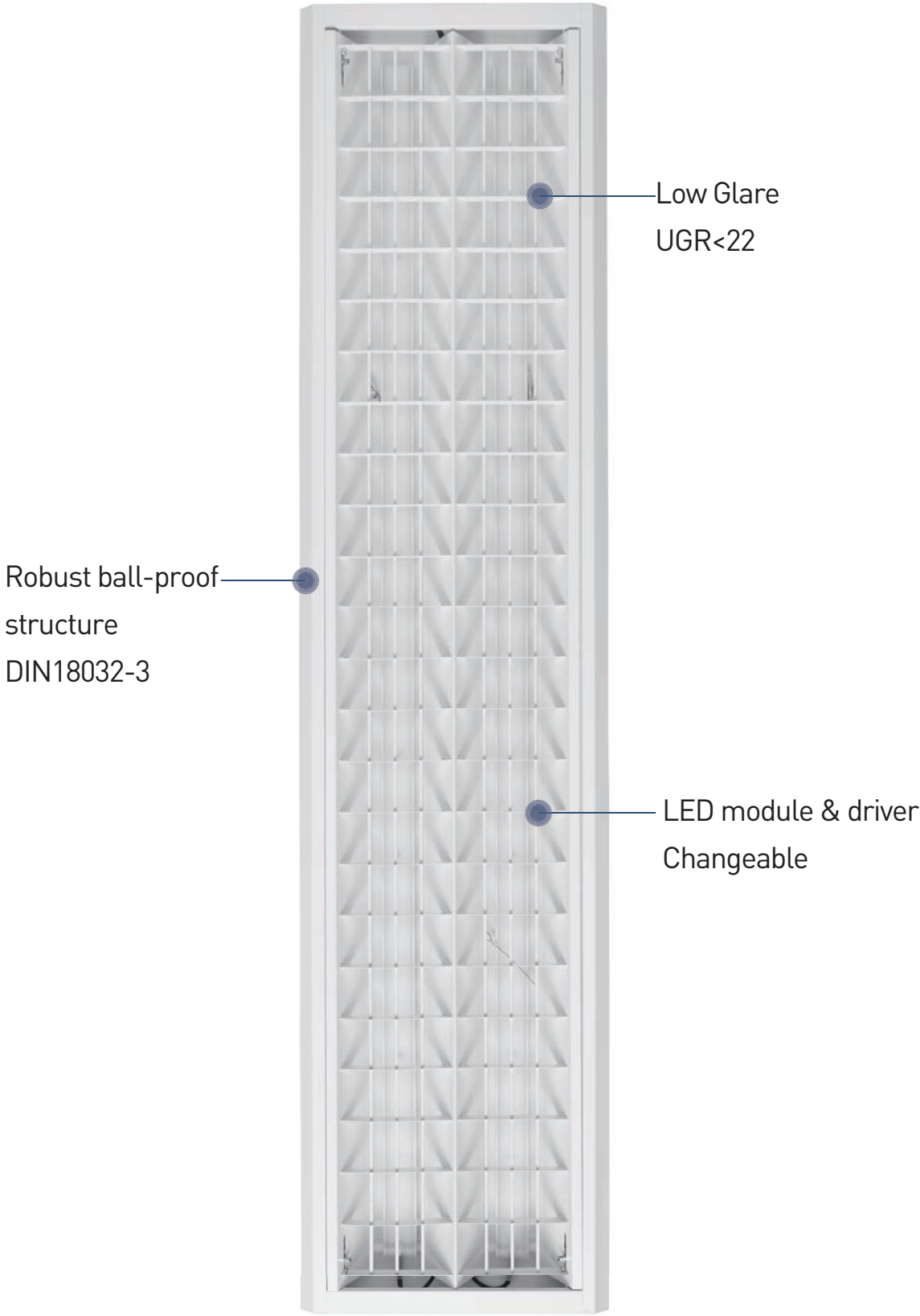
In addition to the optical performance requirements of lighting products, installation and maintenance costs are also one of the items that our sports hall operators must consider.The simple and flexible installation method can meet the light requirements of the sports hall and save installation cost. In addition, excellent warranty are also one of the necessary conditions, because for projects with high utilization rate and difficult installation condition, if a lamp is defective, the loss to the operator will greatly exceed the cost of just "replacing a single lamp".

INDOOR SPORTS HALL LUMINAIRE

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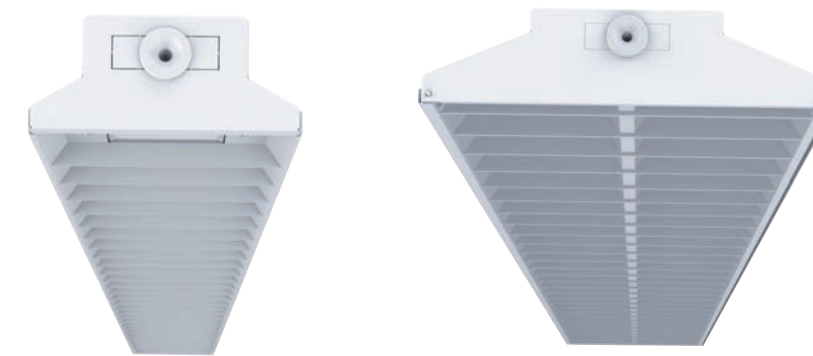
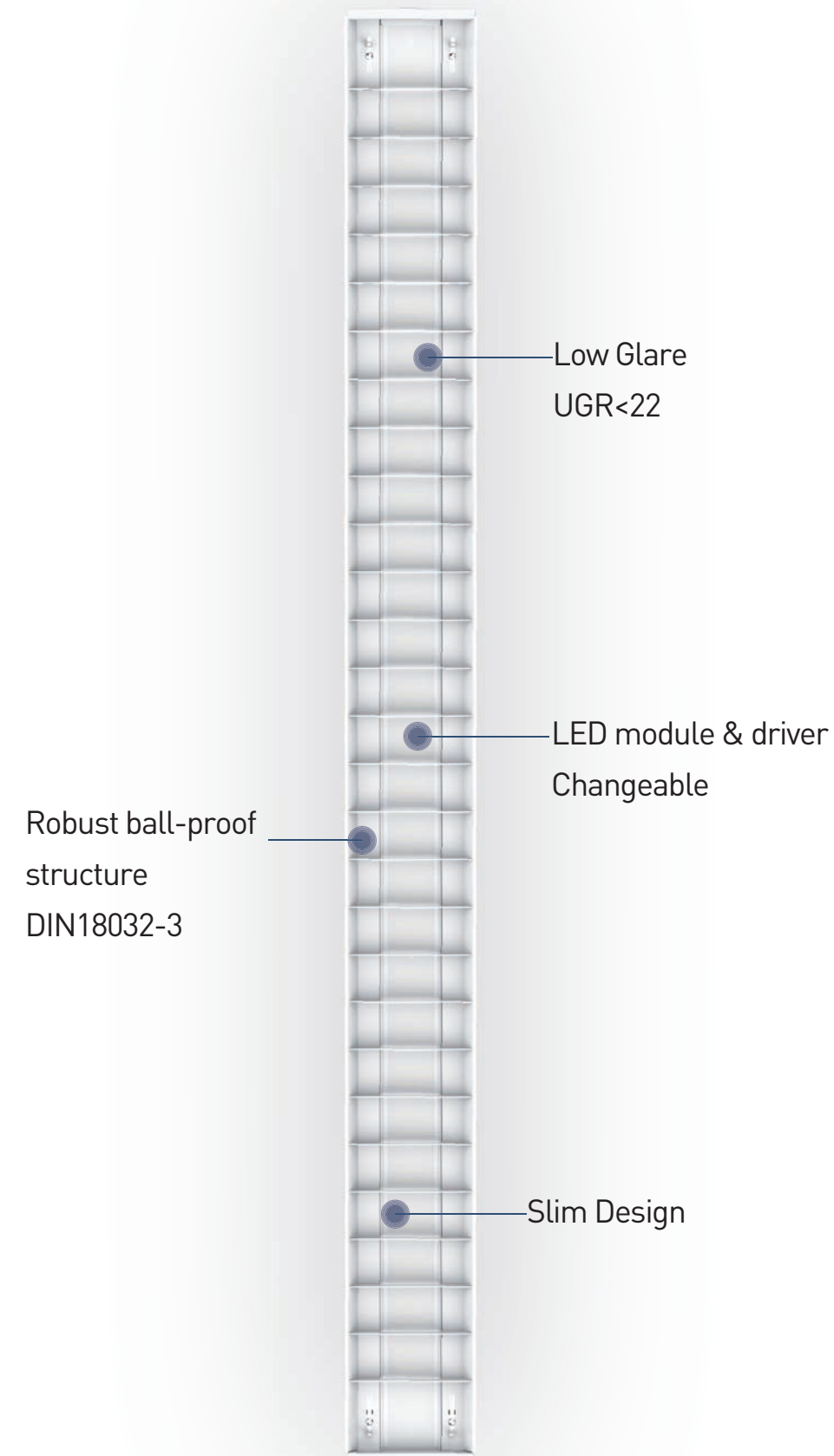


INDOOR SPORTS LUMINAIRE--V10

V10 Indoor sports hall luminaire is designed according to the traditional tube fixture which is used widely, meanwhile meet the needs of all the professional requirement of the sports field such as low glare, comfortable light distribution, compatible with smart system, and most important is approved by ball impact testing.

Size	Wattage	Lumen	Efficiency	CRI	CCT	SDCM	UGR
1530mm	100W	12500LM	125lm/w	80	4000K	3	<19
1530mm	150W	18750LM	125lm/w	80	4000K	3	<20
1530mm	200W	25000LM	125lm/w	80	4000K	3	<22





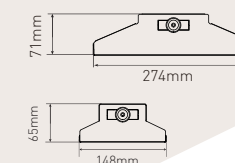
INDOOR SPORTS LUMINAIRE--V12

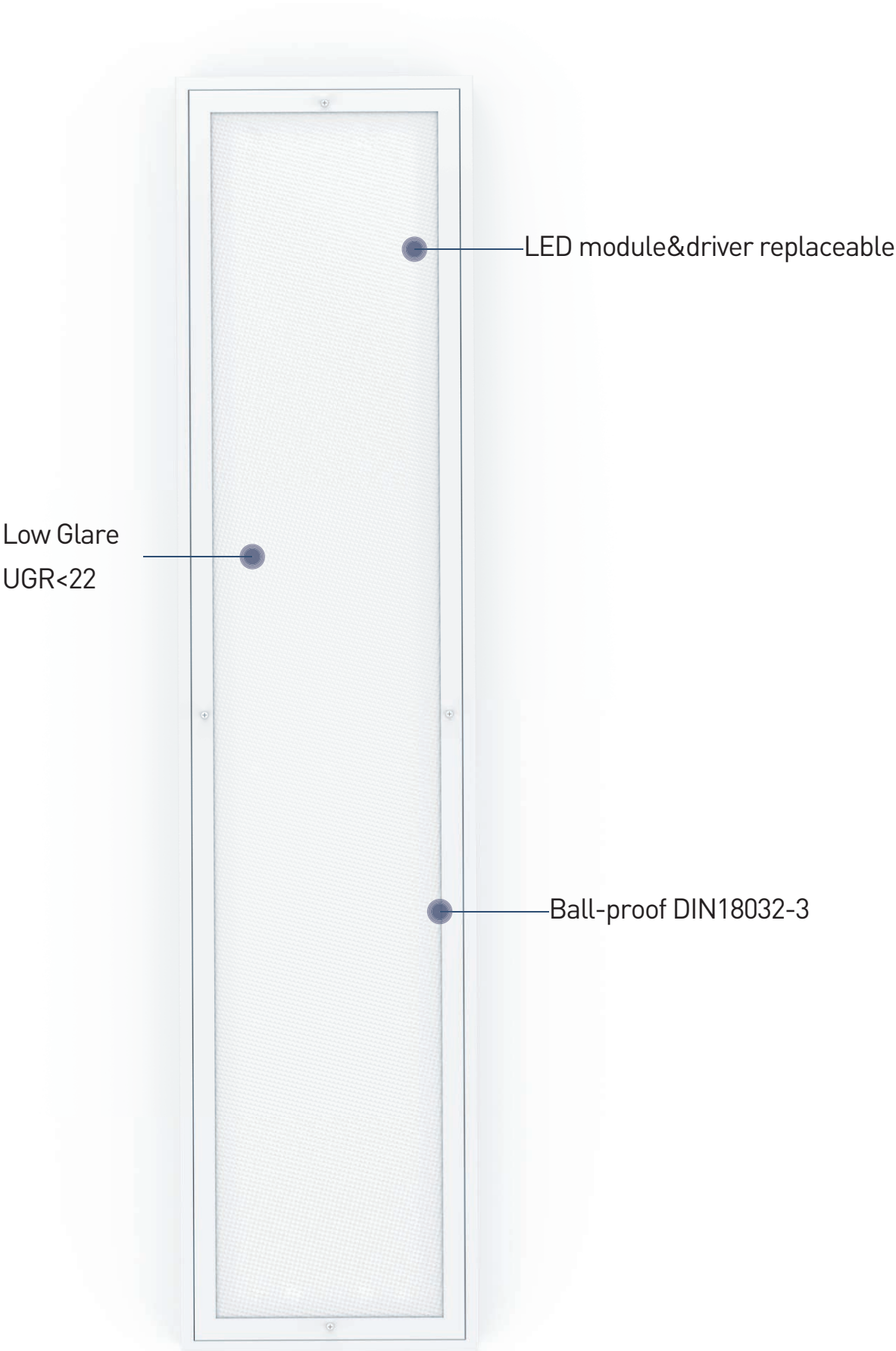
V12 indoor sports hall luminaire is totally modern design with perfect slim structure, which is more competitive on weight, installation and power consumption and with same low glare optic and ball proof certification which is welcomed for all the new indoor sports hall building.

Size	Wattage	Lumen	Efficiency	CRI	CCT	SDCM	UGR
1530x148x65mm	60W	9000LM	150lm/w	80	4000K	3	<20.8
1530x148x65mm	80W	12000LM	150lm/w	80	4000K	3	<21.8
1530x274x71mm	100W	15000LM	150lm/w	80	4000K	3	<20.3
1530x274x71mm	150W	22500LM	150lm/w	80	4000K	3	<21.7

Input: AC220~240V/DC230V 50/60Hz
Wiring: 3/5 wires through Optional
Operation Temp: -20~40°C
Function: DALI push DIM | 1-10V Dimmable | Motion Sensor | Emergency
Flicker: Flicker free
Design: LED module & driver Changeable

Material: Sheet metal+PMMA | White coating
Installation: Ceiling mounted | Suspension
Protection: Ball impact resistance
Terminal: 5x1.5mm² | 5x2.5mm² push
3x1.5mm² | 3x2.5mm² push

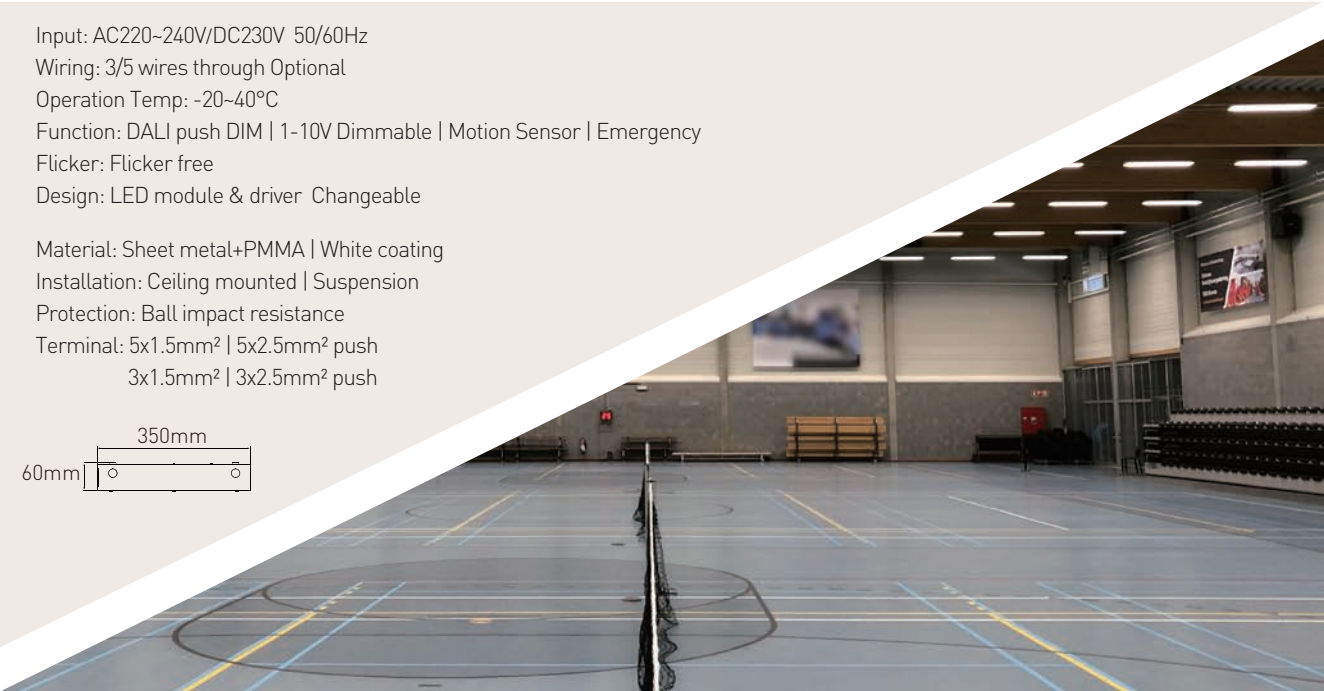


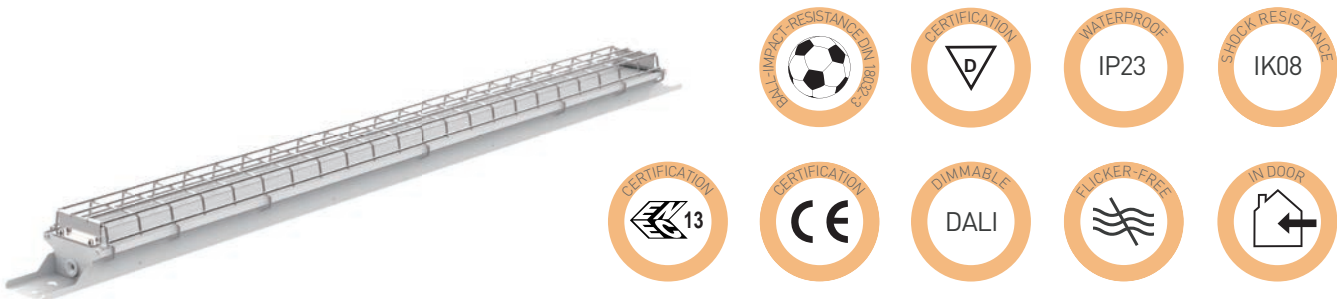
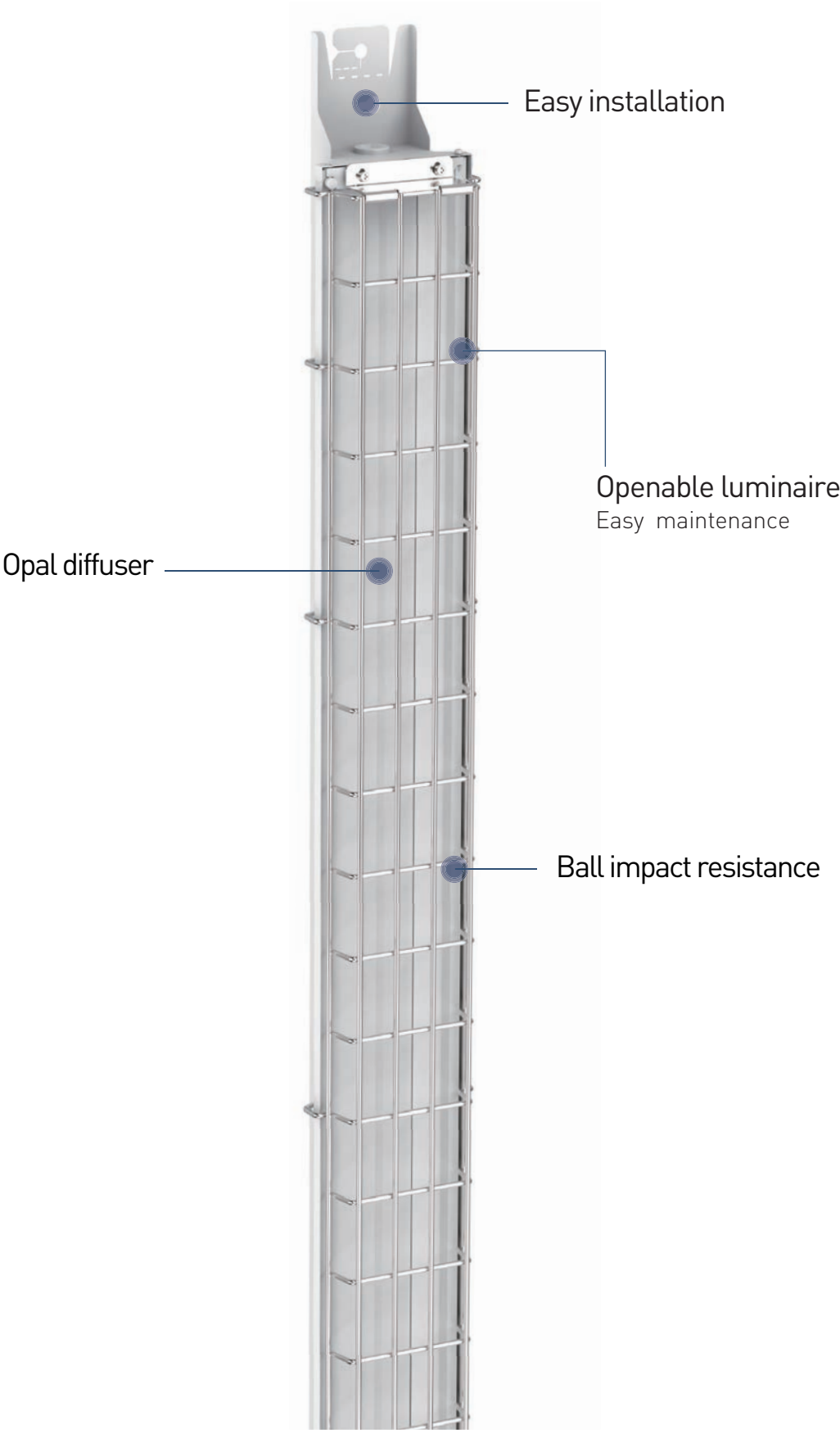


INDOOR SPORTS LUMINAIRE--Si13

Si13 sports lighting is a very good sports luminaire with smooth surface and low glare less than 22, which is an ideal solution for sports halls application. The flexible installation way like surface mounting, suspension and angle adjustable installation makes the product could match most of the requirement. The strong metal body and optic cover could pass the ball-proof test and make the safety first.

Size	Wattage	Lumen	Efficiency	CRI	CCT	SDCM	UGR
1500x350x60mm	60W	8400LM	140lm/w	80	4000K	3	<22
1500x350x60mm	80W	11200LM	140lm/w	80	4000K	3	<22
1500x350x60mm	100W	14000LM	140lm/w	80	4000K	3	<22
1500x350x60mm	150W	21000LM	140lm/w	80	4000K	3	<22





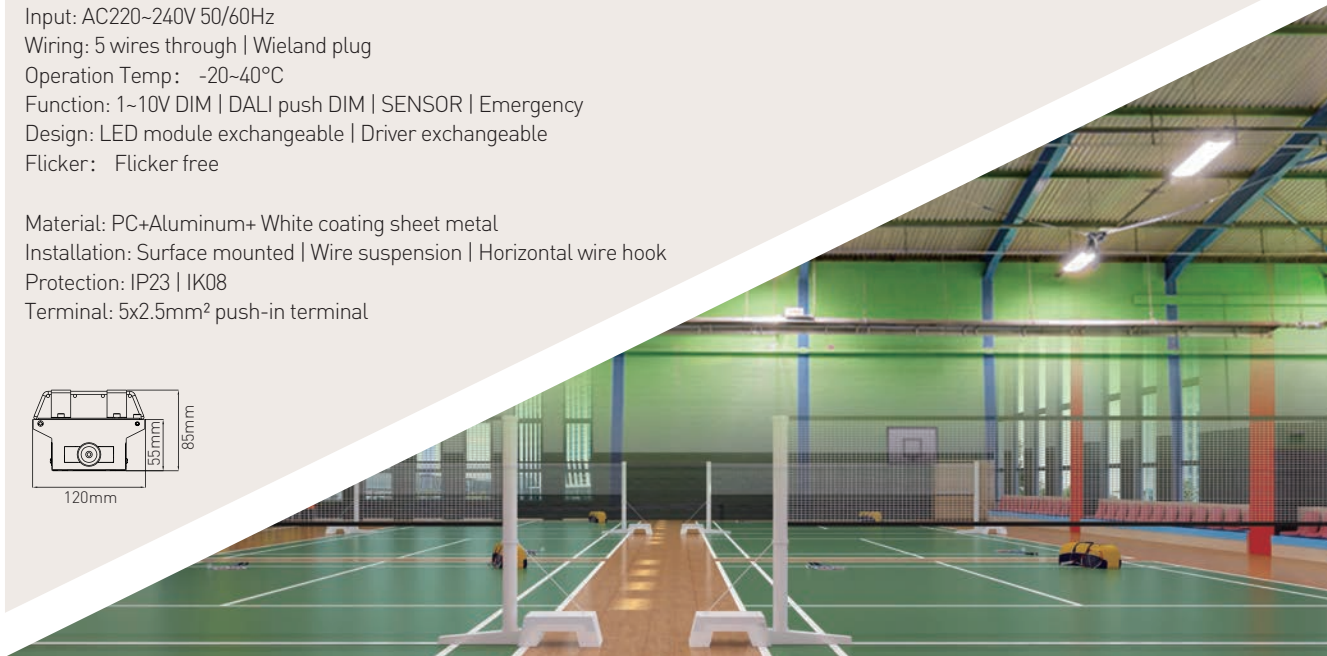
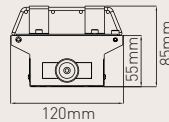
INDOOR SPORTS HALL LUMINAIRE--L15A

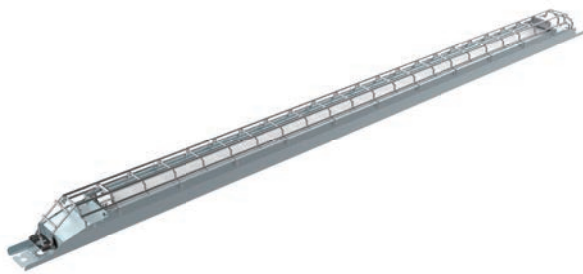
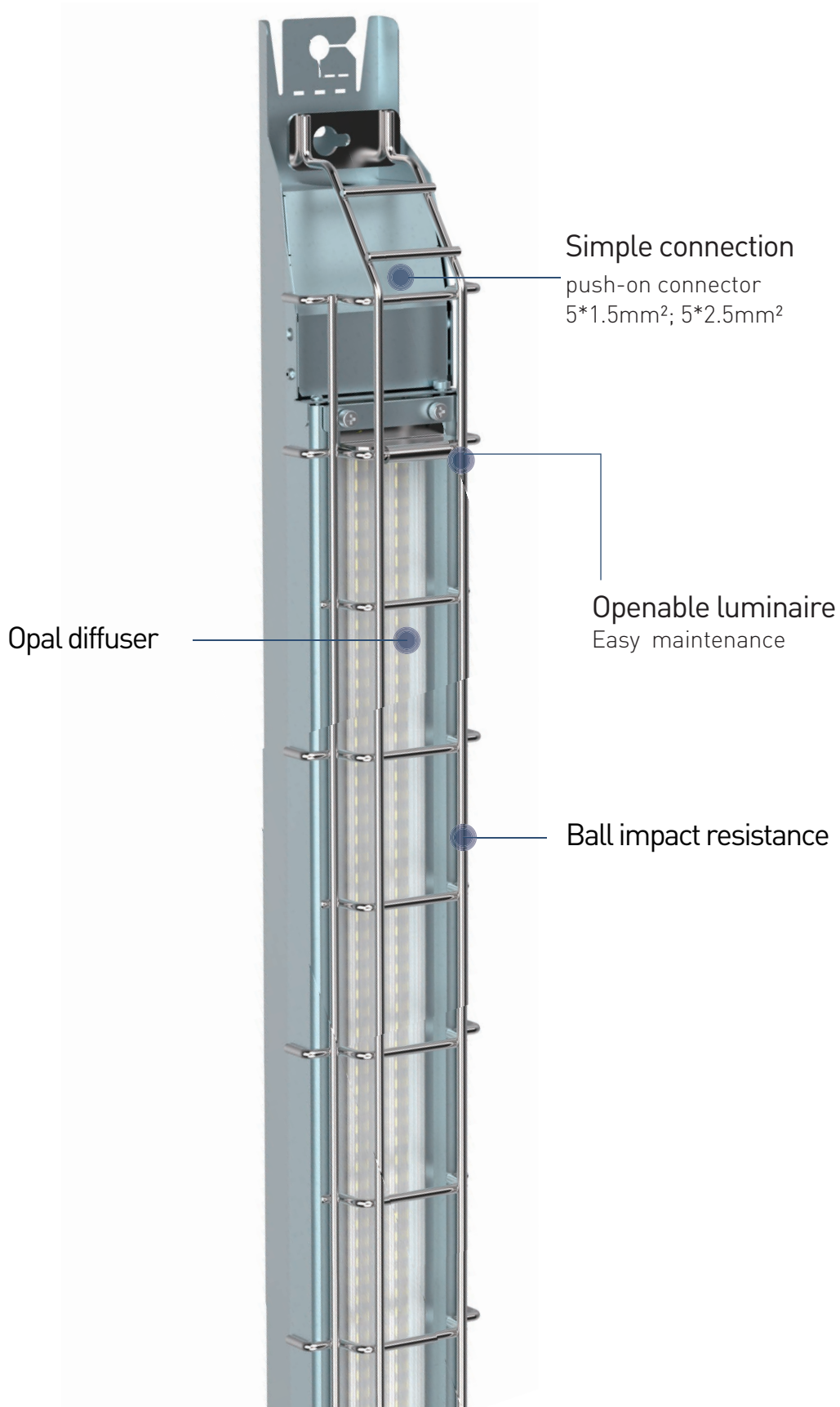
Induline23 L15A with grid is an ideal solution for Indoor sports. The steel grid bar is ball-proof strong design, multiple beam angle options offers more possibilities for different requirement.

Size	Wattage	Lumen	Efficiency	CRI	CCT	SDCM
1250mm	60W	8700LM	145lm/w	80	4000K	3
1250mm	80W	11600LM	145lm/w	80	4000K	3
1550mm	80W	11600LM	145lm/w	80	4000K	3
1550mm	100W	14500LM	145lm/w	80	4000K	3

Input: AC220~240V 50/60Hz
Wiring: 5 wires through | Wieland plug
Operation Temp: -20~40°C
Function: 1~10V DIM | DALI push DIM | SENSOR | Emergency
Design: LED module exchangeable | Driver exchangeable
Flicker: Flicker free

Material: PC+Aluminum+ White coating sheet metal
Installation: Surface mounted | Wire suspension | Horizontal wire hook
Protection: IP23 | IK08
Terminal: 5x2.5mm² push-in terminal





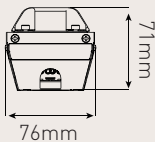
INDOOR SPORTS HALL LUMINAIRE-Ni15B

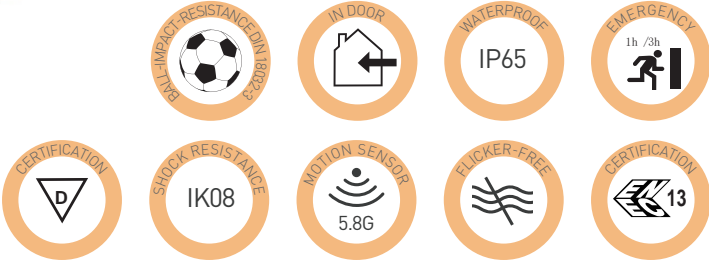
Induline23 Ni15B with grid is an ideal solution for Indoor sports. The steel grid bar is ball-proof strong design, multiple beam angle options offers more possibilities for different requirement.

Size	Wattage	Lumen	Efficiency	CRI	CCT	SDCM
1250mm	40W	5800LM	145lm/w	80	4000K	3
1250mm	60W	8700LM	145lm/w	80	4000K	3
1550mm	60W	8700LM	145lm/w	80	4000K	3
1550mm	80W	11600LM	145lm/w	80	4000K	3

Input: AC220~240V 50/60Hz
Wiring: 5 wires through available
Operation Temp: -20~40°C
Function: 1~10V DIM | DALI
Flicker: Flicker free

Material: Galvanized steel sheet+PC+Aluminium
Installation: Ceiling mounted | Suspension | Cable wire
Protection: IP23 | Ball impact resistance
Terminal: 5x1.5mm²/5x2.5mm² push





INDOOR SPORTS LUMINAIRE-T21

T21 is a robust and powerful luminaire designed for multiple application such as Warehouse, factory, logistics center, indoor sports hall, Swimming pool etc..

Size	Wattage	Lumen	Efficiency	CRI	CCT	SDCM
1200mm	40W	6400LM	160lm/w	80	4000K	3
1500mm	60W	9600LM	160lm/w	80	4000K	3
1500mm	80W	12800LM	160lm/w	80	4000K	3
1500mm	100W	16000LM	160lm/w	80	4000K	3
1500mm	120W	19200LM	160lm/w	80	4000K	3
1500mm	140W	22400LM	160lm/w	80	4000K	3

Simple connection

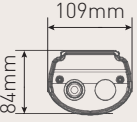
push-on connector
5*1.5mm²; 5*2.5mm²

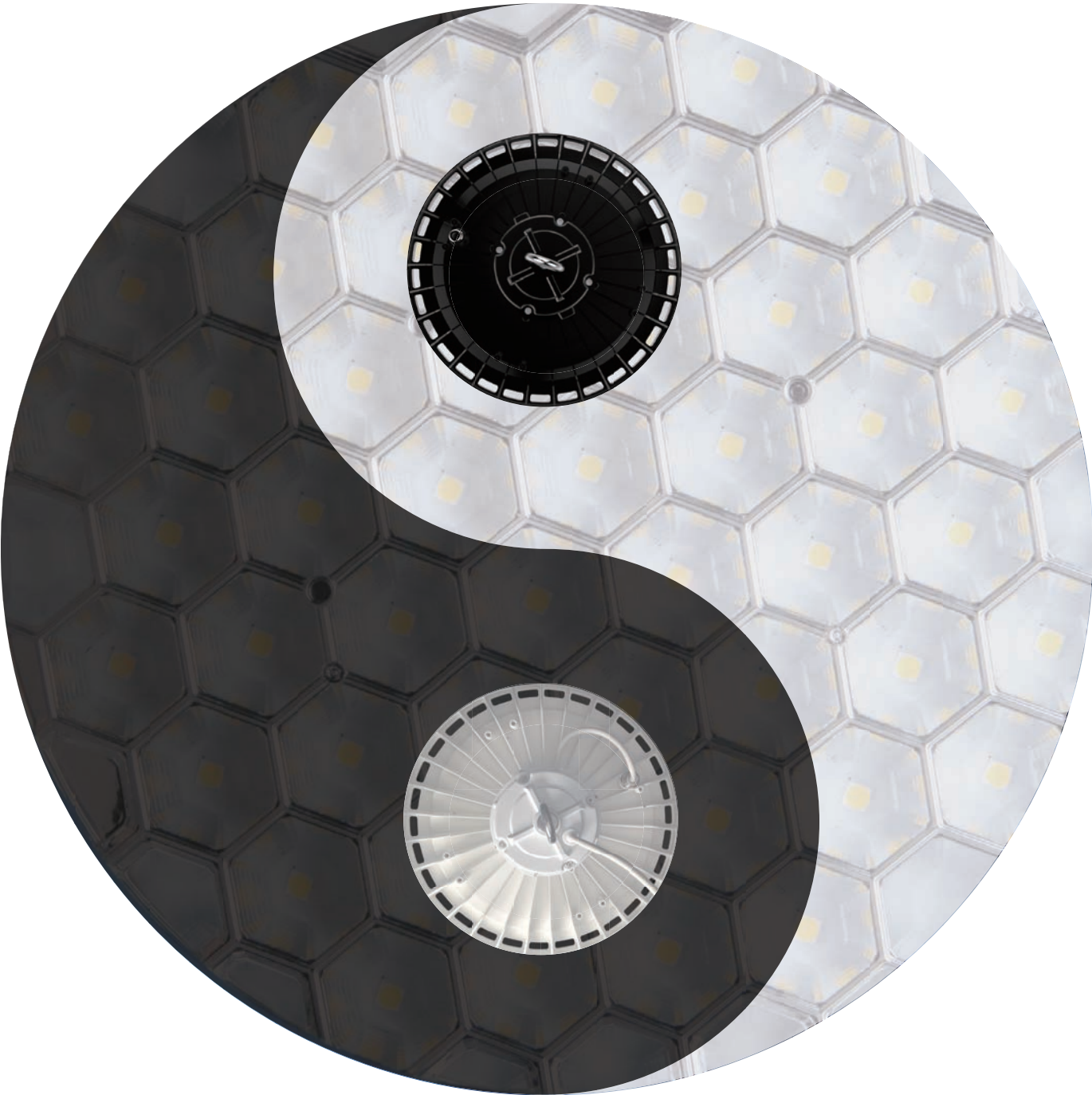


Ball impact resistance
DIN18032

Input: AC220~240V 50/60Hz
Wiring: 5 wires through available
Operation Temp: -20~40°C
Function: 1~10V DIM | DALI | SENSOR | Emergency
Flicker: Flicker free

Material: PC+Aluminum
Installation: Ceiling mounted | Suspension | Cable wire
Protection: IP65 | Ball impact resistance DIN18032
Terminal: 5x1.5mm²/5x2.5mm² push





GLOBAL PATENT (No. 004670651-0001)

Honeycomb Design
UGR<22
Ball impact resistance DIN18032



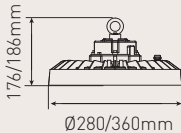
INDOOR SPORTS HIGH BAY-H29

With global patent honeycomb design, ERVAN UFO can offer real low glare lighting output even at big power 200w according to precise optic control technology, best options for indoorsports hall application.

Size	Wattage	Lumen	Efficiency	Beam Angle	CRI	CCT	SDCM	UGR
Ø280mm	100W	14000LM	140lm/w	75°	80	4000K	3	22
Ø280mm	150W	21000LM	140lm/w	75°	80	4000K	3	22
Ø360mm	200W	28000LM	140lm/w	75°	80	4000K	3	22

Input: AC100~240V 50/60Hz
Operation Temp: -30~50°C
Function: 1~10V DIM | DALI | SENSOR | Emergency
Flicker: Flicker free

Material: Aluminum
Installation: Ceiling mounted | Suspension
Protection: IP65 | IK08 | Ball impact resistance DIN18032





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