

SERIES LED LIGHTING TYPE „HYDRA“

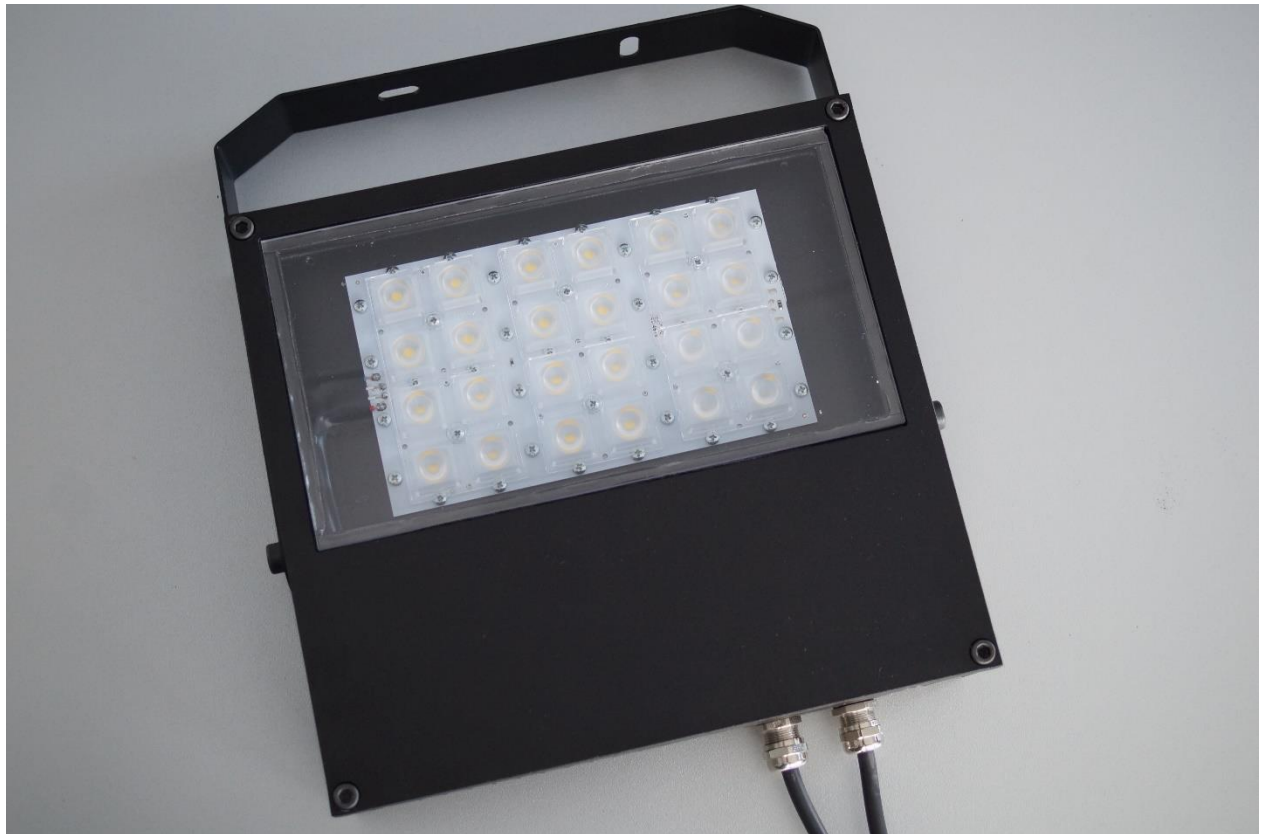
Series include following types of products:

Hydra 60W24-230, Hydra 80W24-230 и Hydra 100W24-230;

Name of Producer: “INDUSTRIAL LIGHTING” LTD

Purpose:

The Series LED lighting type HYDRA SMALL is created as high class lightning designed to satisfy highest requirements for efficiency, durability and quality. In the production of the product are used only high quality elements of European producers, as follows:



LEDs: OSRAM - Germany;

Power supply: OSRAM – OT1 10/120...277/1 A4 2DIMLT2P;

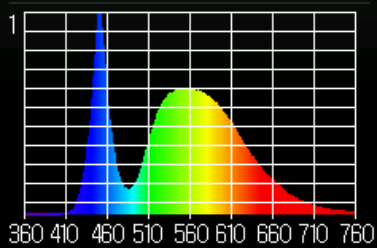
Diffusor and cover: BASF - Germany;

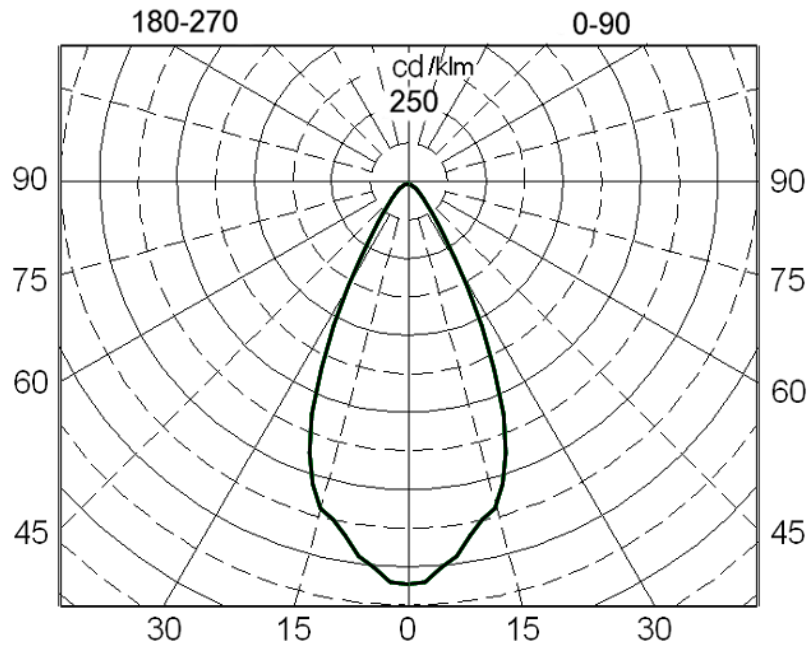
Fasteners: Only stainless steel according DIN 933;

Technical parameters according producers documentation:

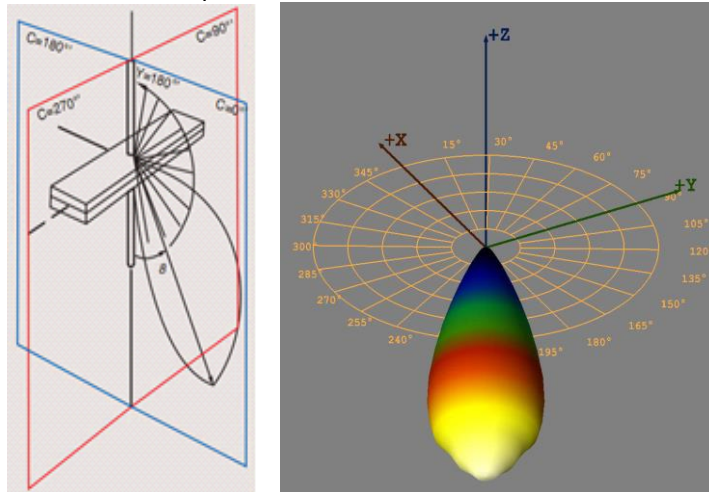
LED light for indoor and outdoor use with dimensions 270/295/63.5mm. and weight of 7 kg.

Test results:

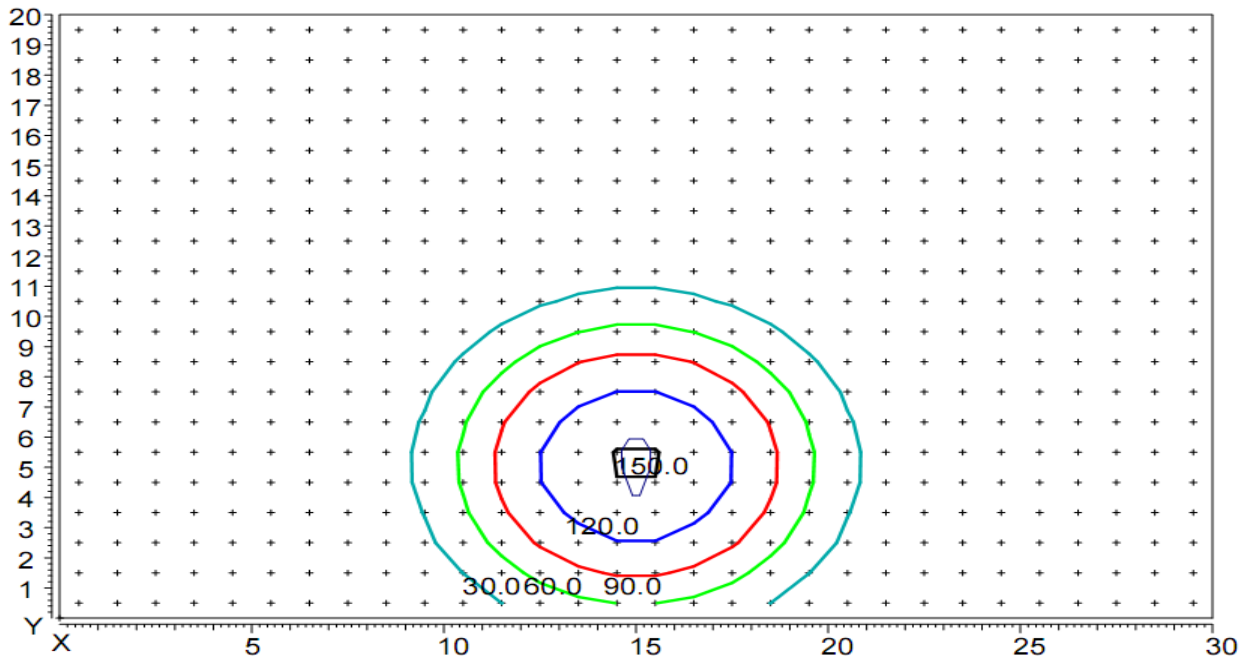
Operating voltage	AC 230 V	 <p>Spectrum of light Kpuls. = 0.1 %</p>
Operating Current	AC 0.47 A	
Wattage including ballast (watts)	102 W	
Power factor	0.97	
Color temperature	4215 K	
Color rendering index CRI	72	
Color coordinates CIE 1931	x=0.3698, y=0.3642	
Color coordinates CIE 1976	u'=0.2231, v'=0.4943	
Luminous flux emitted by a luminaire	12 036lm	
Light output of the luminaire	118 lm /W	
Operating voltage	AC 230 V	
Wattage including ballast (watts)	80 W	
Power factor	0.97	
Color temperature	4215 K	
Color rendering index CRI	72	
Luminous flux emitted by a luminaire	10 024 lm	
Light output of the luminaire	125.3 lm /W	
Operating voltage	AC 230 V	
Wattage including ballast (watts)	60 W	
Power factor	0.97	
Color temperature	4215 K	
Color rendering index CRI	72	
Luminous flux emitted by a luminaire	7 704 lm	
Light output of the luminaire	128.4 lm	



Luminaire light distribution of polar coordinates in the conditional flux 1000lm



Luminaire light distribution of the 3D with optics.



Distribution of illumination in height hanging lamp 10 m.
Coordinates of the luminaire X=15m, Y=5m.

Die casting Aluminum body, produced with aluminum alloy with enhanced heat exchange characteristics.

Color temperature of LEDs standard production 4200 K.

Index of color rendering:

Standard lighting Hydra Small are with index of color rendering CRI min 70. According to customer specification lamp can be produced with LED index CRI min 80.

Optics:

According customer needs as addition of the LEDs, guidance optics with different angles.

Operating temperature of the lamp is from -30 °C to +55 °C

Degree of protection IP 66:

Degree of protection IK 10:

Certification:

Luminaries Hydra has full **CE** certification.

Dimming possibility

(AstroDIM, 0...10V)

Quality control:

The device is controlled from the authorities of quality control and reply to the technical requirements. Replacing of components of the luminary has to be performed only with original parts supplied by the producer. Repair is performed only from authorized representative of the producer.

Warranty conditions:

LED luminaries from the series Hydra Small have 60 months warranty from the date of sale. All eventual malfunctions during warranty period are 60 months from date of purchase. All eventual malfunctions in this period are repaired free of charge in the conditions of:

- All conditions for installation, operation, transport and storage of the device
- There are no signs of attempts of opening the device and/or repair by non-authorized personal of Industrial lighting LTD.

Producer's address:

“Industrial lighting” Ltd,
1839 Sofia, 15 Kremikovsko shose Str.,

e-mail: office@industrialighting.eu

web site: www.industrialighting.eu