

Indoor projector. Industrial low bay projector.

IEV-09 LED

IEV 09 LED 13000LM 88W 840 0.7

IEV-09 LED 11500LM 76W 840 0.6

IEV-09 LED 10000LM 64W 840 0.5




About the product

The range of products IEV-09 LED is the economical solution designed for indoor lighting of large areas, warehouses, production lines, sport halls etc.

The combination of the last generation LED technology and the best quality optical systems make the IEV-09 LED a competitive solution, offering significant energy savings and a long operating lifetime.

The small size and the reduced weight make the installation easy.



EN 60598	RoHS	IP65		-40°C÷+50°C	64W 76W 88W LED
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Application

Lighting for indoor sport areas, and large indoor spaces.

Indoor lighting for ample indoor spaces: industrial plants, warehouses, commercial spaces.

Light source

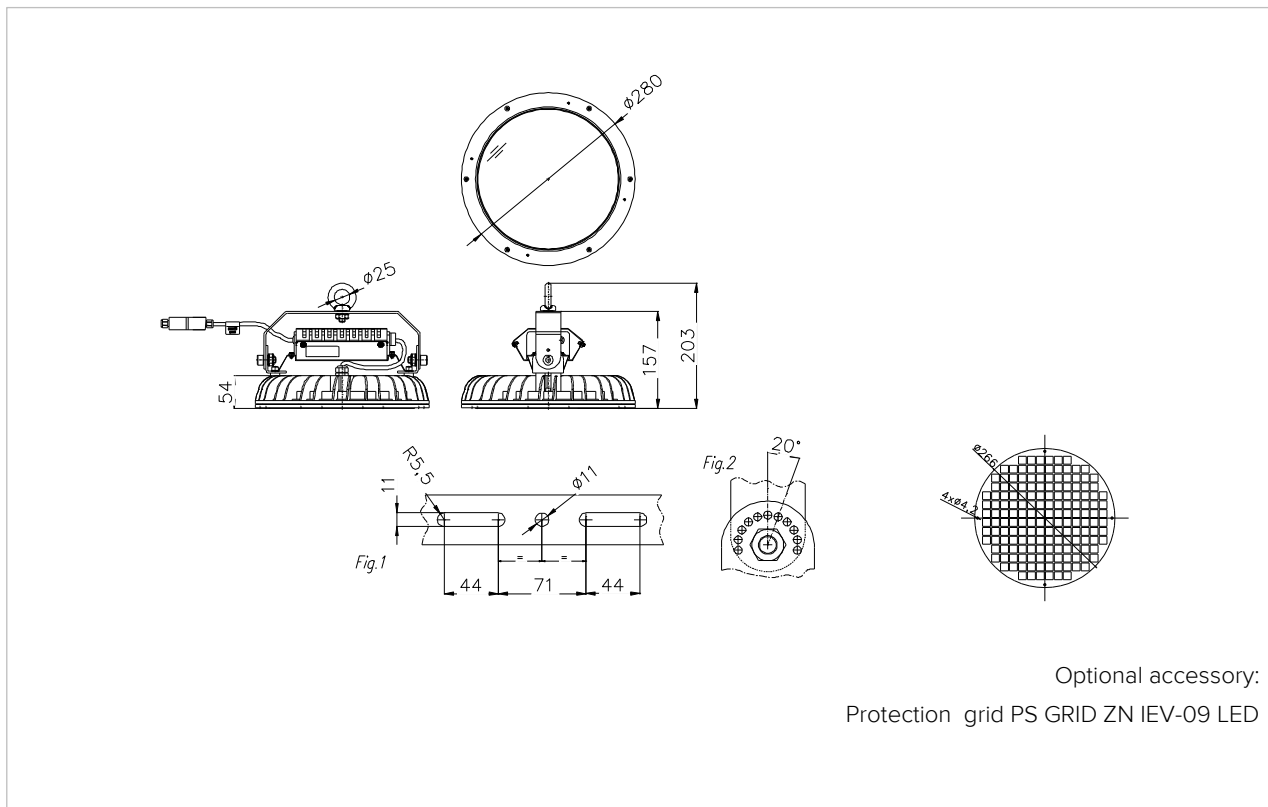
- Last generation medium-power LEDs, colour temperature neutral-white 4000K CRI=80, CRI=70, with a long lifetime, at Ta=25°C:

B10			B50		
L70	L80	L90	L70	L80	L90
> 121.000 hours	>75.000 hours	> 35.000 hours	>140.000 hours	>87.000 hours	>40.000 hours

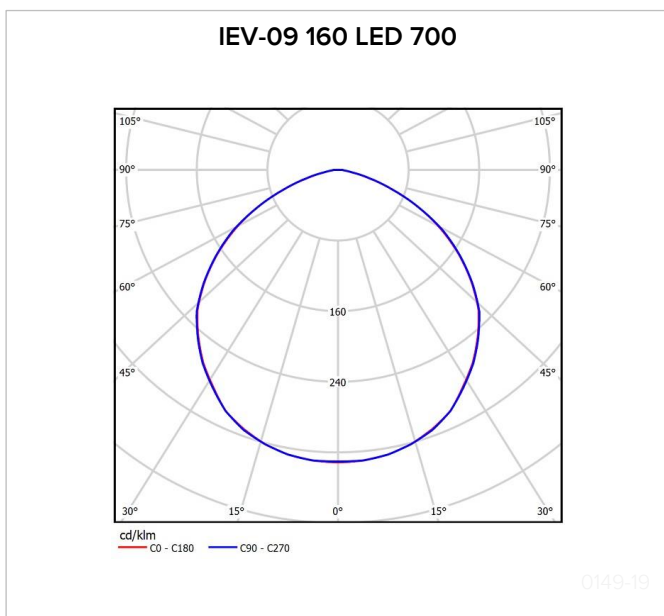
- On request the product could be equipped with LEDs with colour temperature cool-white 5700K, or warm-white 3000K, CRI=70.
- The LED system included in the product could replace or is equivalent with projectors with:
 - high pressure mercury lamps HME 250W, high pressure sodium lamps HSE 150W, high pressure metal halide lamps HIE 150W.
 - high pressure sodium lamps HST 100W, high pressure metal halide lamps HIT 100W.

Advantages

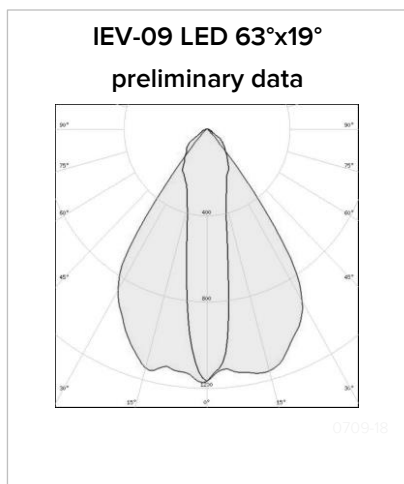
High quality light. Robust construction. Easy to install and easy to maintain. There are not necessary interventions for lamp replacements during exploitation. The use of LED's ensures both a long lifetime of and reduced power consumption. Environment friendly.



Product type	D [mm]	H [mm]	H1 [mm]
IEV-09 LED	Ø 280	157	203

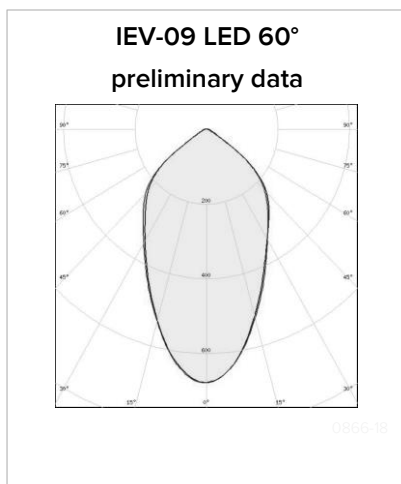


Photometric data IEV-09 LED
 $\eta = 90\%$
 Light distribution diagram [Cd/1000lm]



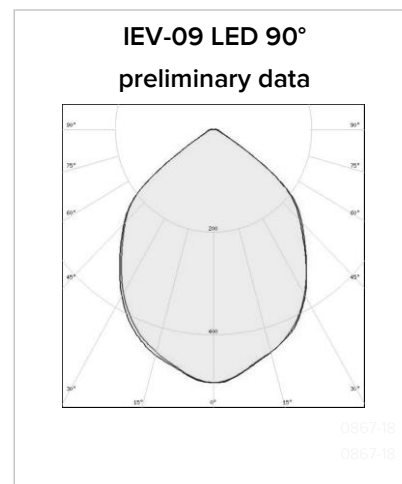
**Preliminary photometric data IEV-09
LED 63°x19°**

20993lm
Light distribution diagram [Cd/1000lm]



**Preliminary photometric data IEV-09
LED 60°**

13479lm
Light distribution diagram [Cd/1000lm]



**Preliminary photometric data IEV-09
LED 90°**

13605lm
Light distribution diagram [Cd/1000lm]

Description

- Die cast aluminium body, painted.
- Diffuser from transparent secured glass`.
- The optical system contains the power LED's that ensures a wide light distribution.
- Mounting system with tilting facility for easy orientation of the luminous flux with index with 20° step.
- Gear (LED driver) included in the product and manufactured according to the specific standards.
- Colour: grey.

Variants on request

- Suspension 3m P03118894.
- Protection grid PS GRID ZN IEV-09 LED P03121068.
- With dimmable driver - analogical 0-10V, or DALI protocol.
- AstroDIM function.
- Equipped with LEDs with other colour temperature.
- Equipped with PMMA micro-prisms diffuser or white opal diffuser.
- Function of the optical system there could be obtained narrow or wide luminous distributions: 63°x19°(between racks), 90° (wide), 60° (medium), 27° (small).

- On request the product could be painted in different colours.

Mounting

- Visible, on surface, through 2 screws M10.
- Suspended on hook.
- Mounting system with tilting facility for easy orientation of the luminous flux with index with 20° step.

Technical features

- Rated voltage: 230V/50Hz
- Surrounding temperature range: -40°C...+50°C
- Relative humidity: 80% at the temperature of +20°C.
- Saline fog: 48 hours according to SR EN 60068-2-11.
- Jolt resistance: 1000 ±10 jolts, acceleration of 10g, duration of impulse: 16ms, according to SR EN 60068-2-29.
- The luminaire is manufactured according to the standards: SR EN 60598-1, SR EN 60598-2-5.

Compliance with the European Directives

- Low Voltage Directive
- Electromagnetic Compatibility Directive.
- RoHS Directive. WEEE Directive

The product could be realised in more variants functions of the power and luminous flux.

Product type	Product code	Rated voltage [V]	Active power [W]	Power factor	Protection degree	Class of protection against electric shock	IK	Weight [Kg]	* Total initial luminaire flux [lm]	* Total luminous luminaire efficiency [lm/W]
IEV 09 LED 13000LM 88W 840 0.7	33522074	230	88	≥0.98	IP65	I	IK08	3.9	13179	150
IEV-09 LED 11500LM 76W 840 0.6	33522075	230	76	≥0.98	IP65	I	IK08	3.9	11557	152
IEV-09 LED 10000LM 64W 840 0.5	33522076	230	64	≥0.96	IP65	I	IK08	3.9	9782	153
Accessories										
Suspension 3m	03118894	-	-	-	-	-	-	0.3	-	-
PS GRID ZN IEV-09 LED	03121068	-	-	-	-	-	-	0.2	-	-

* At $t_a=25^{\circ}\text{C}$, 840 = 4000K 80CRI

On request, function of the optical system there could be obtained narrow or wide luminous distributions: 63°x19°, 90°, 60°, 27°.

The tolerance of the initial flux and active power is $\pm 10\%$ from the specified value. These values were measured at the ambient temperature of 25°C, unless is not mentioned another temperature.

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