VIZULO

Eagle



Application

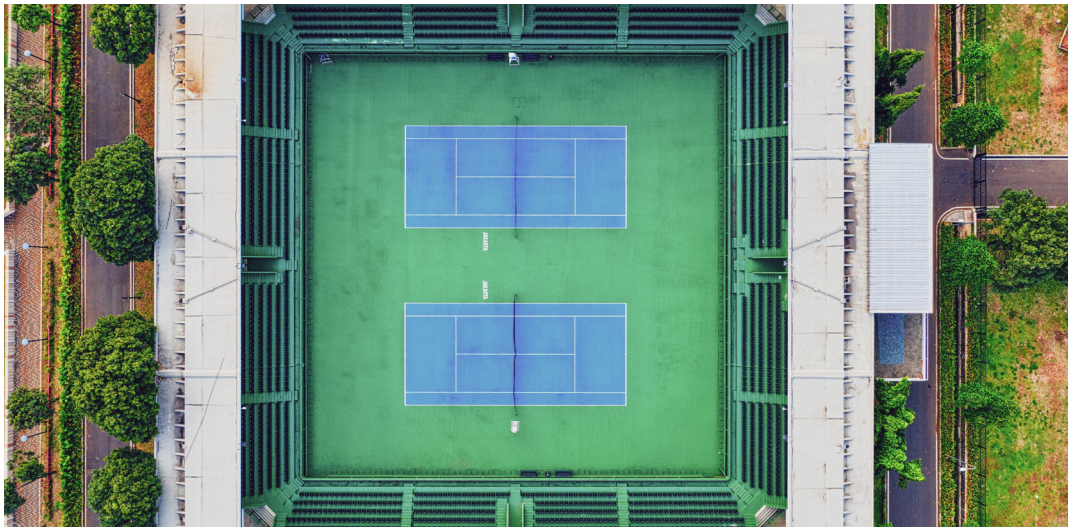
↘ Football fields



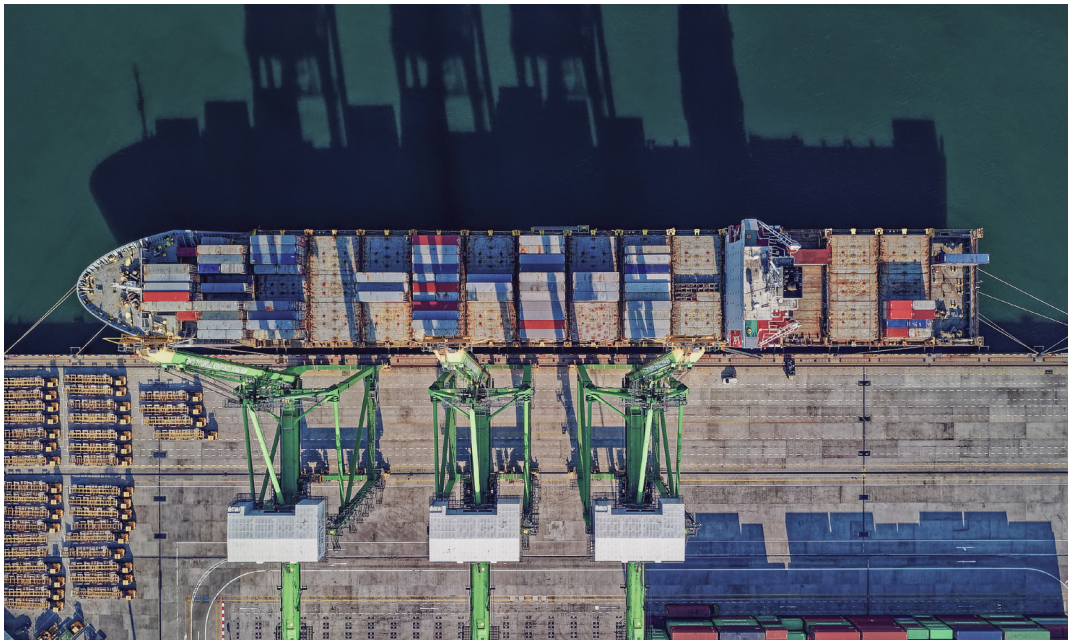
↘ Swimming pools



↘ Tennis courts



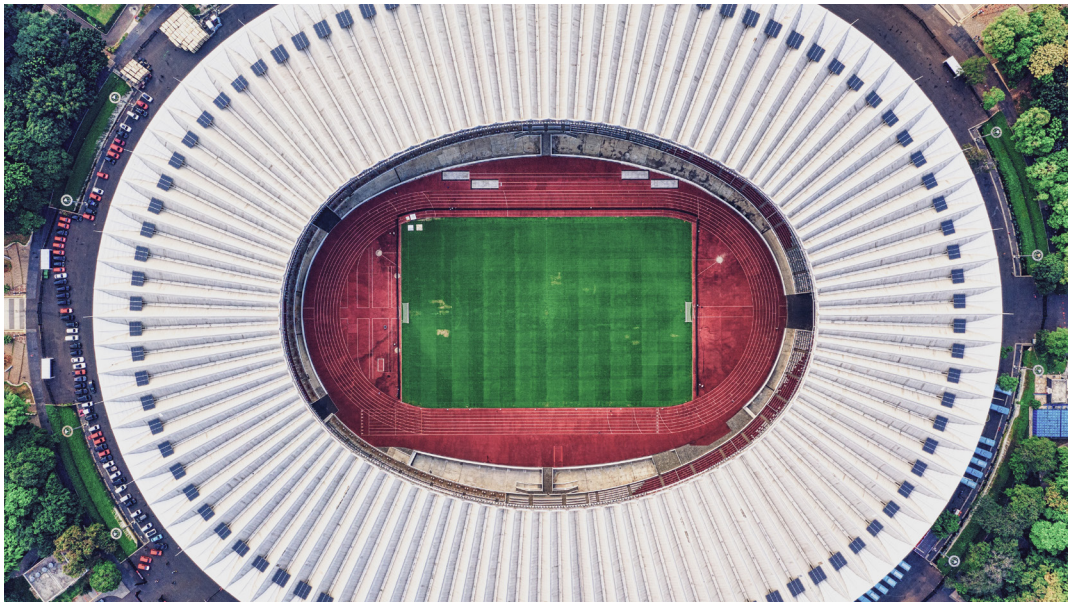
↘ Ports



↘ Industrial areas



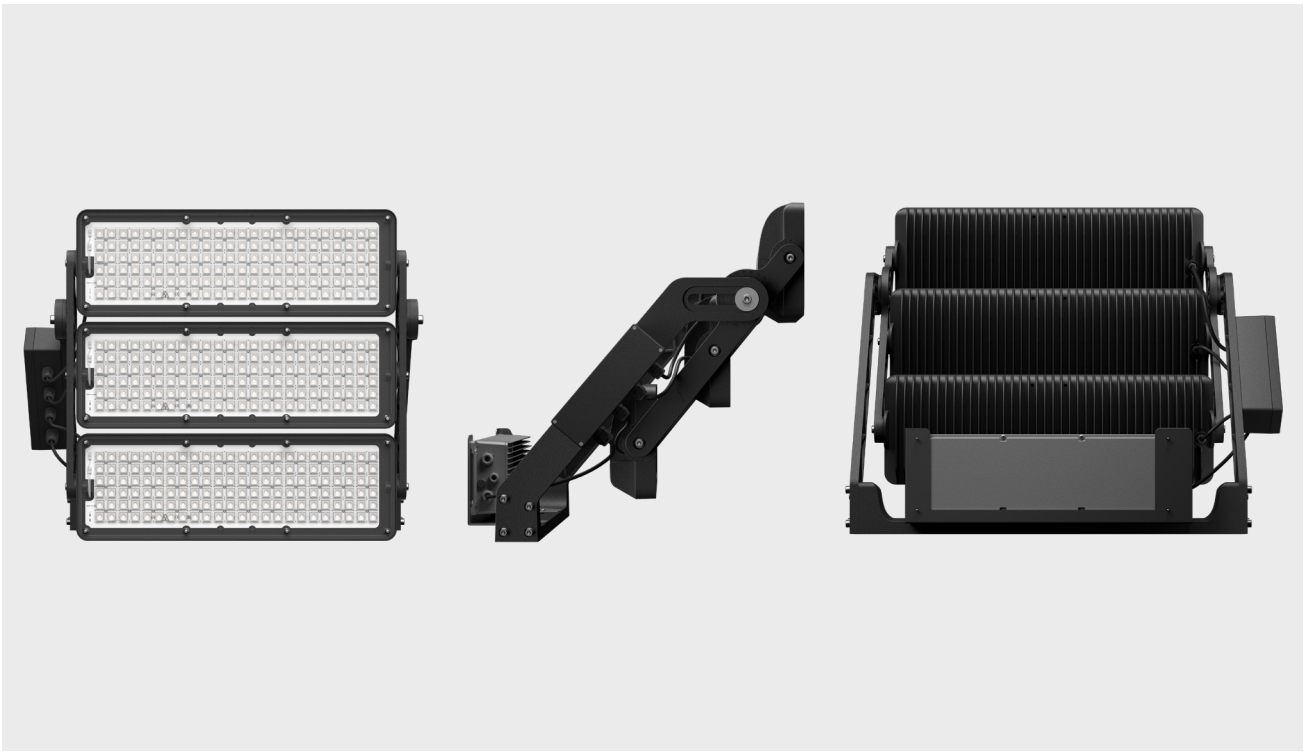
↘ Stadiums



Eagle

3 heads



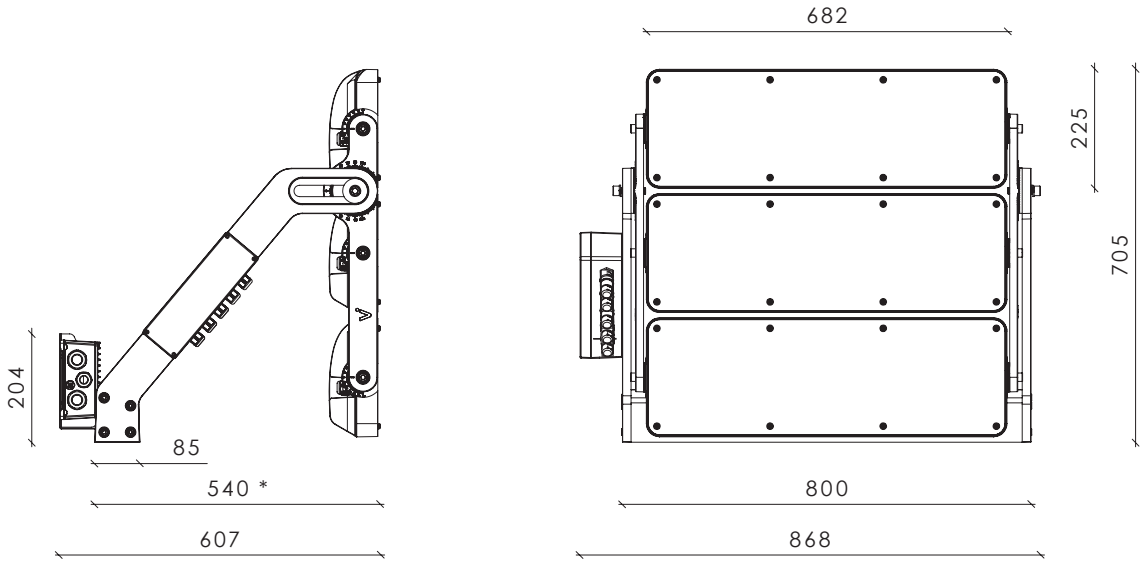


RAL7035 RAL9006 DB703 RAL9005

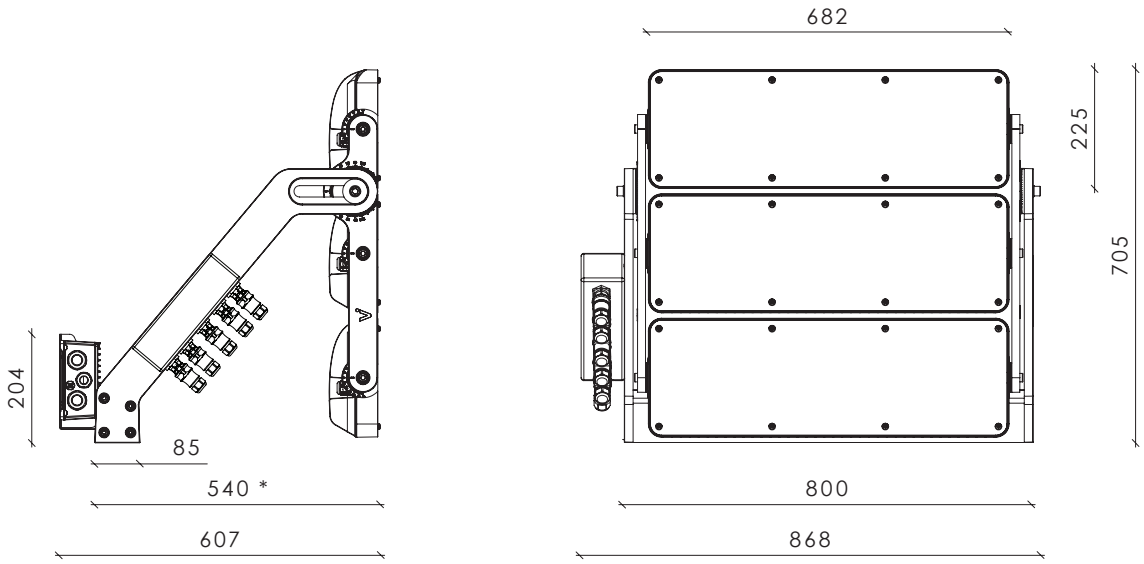
Other colors
available on request

Dimensions with DELTA driver

Standard

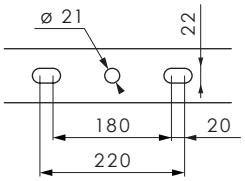


Premium



** Dimensions valid for EAGLE Split version (with external driver)*

Mounting bracket



Wind load

SCx = 0.19 m²

Maximal wind load with driver box depending to the angle relative to the ground

	0°	15°	30°	45°	60°	75°	90°
SCx, m²	0.19	0.28	0.37	0.45	0.50	0.52	0.53

Features

↘ ZHAGA BOX

Connect Zhaga Book 18 devices for smart control. Can be used with stadium control systems and any other Zhaga Book 18 controllers.



Note!

If wireless controllers are used, calculate distance between any 2 Zhaga boxes to verify if distance is bellow controllers specified maximum wireless communication distance.

Technical information

3 heads
360 / 432 LED

V	198 - 264 / 110 - 277 [1]
Hz	50 - 60
W	765 - 1580 | 360 LED version
	765 - 1800 | 432 LED version
lm	Up to 228 472 [2]
lm/W	Up to 157
K	4000 / 5000 / 5700 [3]
°C	-40 to +50
CRI	>70 / >80 / >90 [3]

Body:	Die-cast aluminium
Dimming:	DALI / 1-10 V / DMX
TLCI:	>90 [4]
Initial chromaticity:	MacAdam 5
Lifetime:	Up to 100 000 h (L90B10) at Ta = 25 °C*
Warranty:	5 years
Installation:	On bracket / wall / ceiling
Socket:	NEMA Top / Zhaga Top
Intelligent Control:	Stand-alone / Group / CMS
Sensor:	Daylight
Surge protection:	10 kV
Corrosion protection:	Up to C5
Weight:	Check the Mounting instruction file

[1] Maximum operating voltage, ENEC certificate voltage 220 - 240 V, UL certificate voltage 110 - 277 V

[2] Lumen output indicated at CRI > 70

[3] 1800 / 2200 / 2700 / 3000 / 3500 / 6500 K available on request along with other not listed CRI and CCT

[4] For CRI > 90 and CCT 5000, 5700 K

[5] Ball proof: tested according to DIN 57710-13

[6] EPD registration number: S-P-05888 (link to page)

* This value is only informative and may change according to selected article. LED Lifetime is strongly depending from LEDs current and junction temperature – increase in LED current and luminaire power lead to increase of junction temperature and as consequence lifetime decrease. Thus, luminaire models with lower power, lower current (and lower junction temperature) will have higher lifetime than standard models. And high power and high current luminaire models may have negative lifetime deviation comparing to standard models. To receive precise value please contact VIZULO export representatives.

Technical parameters for final product can differ from typical data by 7% due to special conditions of LED manufacturing processes.

Eco modules

* Data for L01 optic.

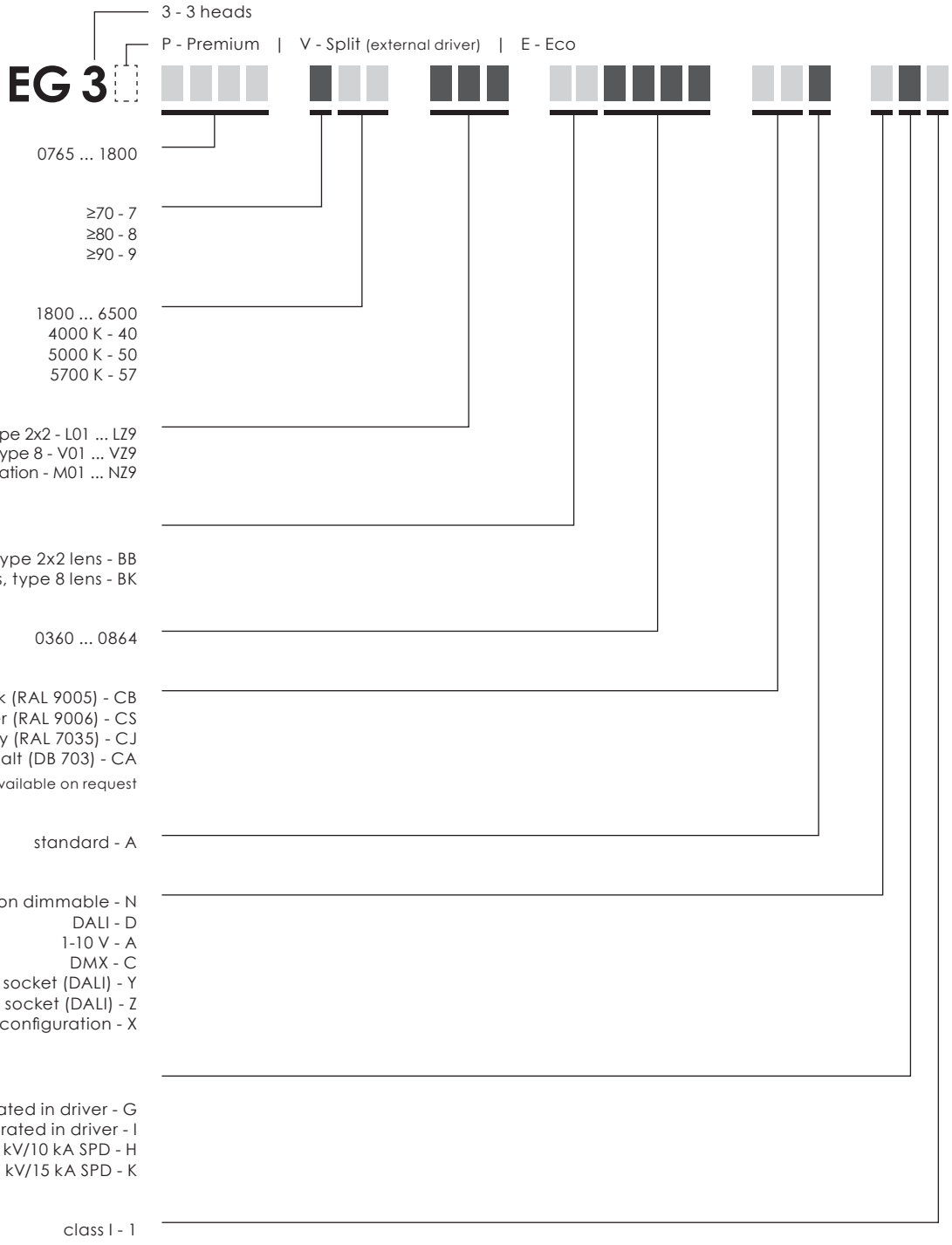
Check VIZULO members section for additional information

4000 K | CRI 70

Number of LED's		360			432	
Nominal current, mA	255	540	690	300	460	655
Power, W	765	1200	1580	765	1200	1800
Luminous Flux, lm	116375	165120	201225	120221	171815	228472
Efficacy, lm/W	152	138	127	157	143	127
Power factor, PF		Up to 0.99			Up to 0.98	

Luminaire efficacy	2700 K	765 - 1800 W	108997 - 214004 lm	119 - 147 lm/W
	3000 K	765 - 1800 W	113465 - 222744 lm	124 - 153 lm/W
	5000 K	765 - 1800 W	116375 - 228472 lm	127 - 157 lm/W
	5700 K	765 - 1800 W	116375 - 228472 lm	127 - 157 lm/W

Model name principles



EXAMPLE EG3E 1560 740 L87 BB0432 CSA DG1

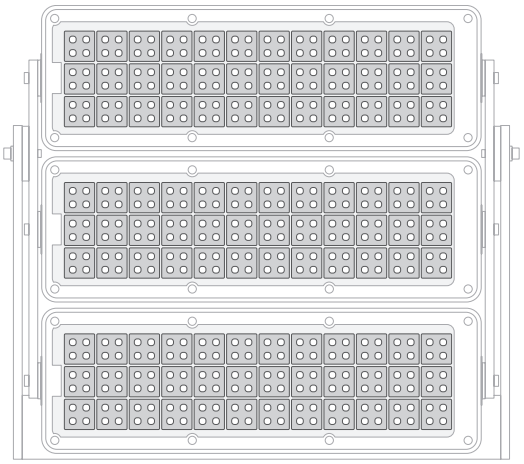
*** CUSTOM CONFIGURATION EXAMPLE**

NEMA socket + Zhaga socket; etc.
Custom configuration information is available in order confirmation.

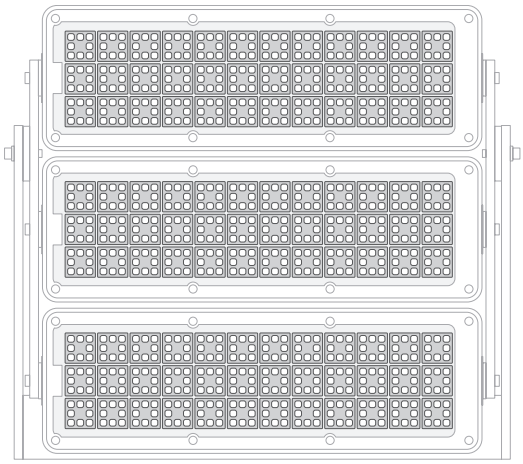
LED modules

Type	Max module QTY	Min LED QTY per module	Max LED QTY per module	Max LED QTY per luminaire	LED step	LED type	Lens type
BB	3	120	144	432	-	Eco	type 2x2 L01…LZ9
BK	3	240	288	864	-	Standard	type 8 V01...VZ9

BB LED modules

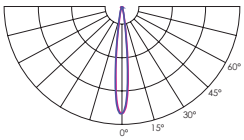


BK LED modules

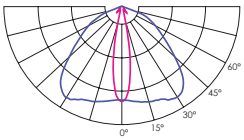


Optics

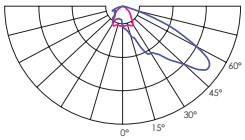
L15



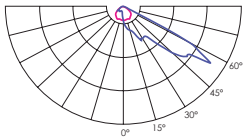
L16



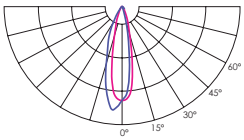
L87



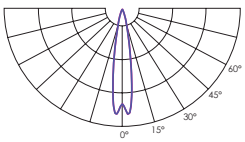
L88



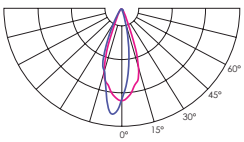
L89



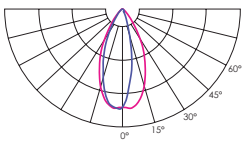
LB6



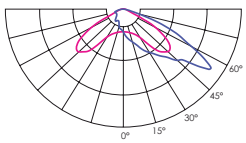
LB8



LB9



LC1



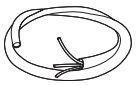
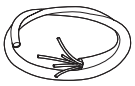
Cable core count

Socket	Dimming	Model number abbreviation	Input cable core count
None	None	N	3
None	DALI	D	5
None	1-10 V	A	5
None	DMX	C	3 + 3 [1]
Zhaga	DALI	Z	3 [2]
NEMA	DALI	Y	3 / 5 [3]

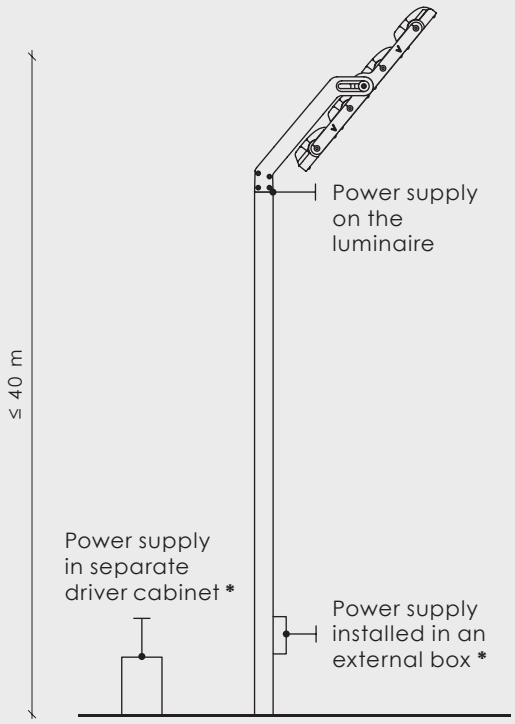
[1] One DMX cable (+, - , GND), one mains cable (L, N, GND)
[2] DALI wires used only for internal connection between driver and Zhaga socket(s)
[3] +2 cores for external DALI connection

Cable order information

Note! Custom cable lengths available on request

Cable length [m]	 3 x 1.5 mm²	 5 x 1.5 mm²
0.5	*Art. 70100179*	*Art. 70100409*
1	*Art. 70100193*	*Art. 70100220*
1.5	*Art. 70100258*	*Art. 70100410*
2	*Art. 70100177*	*Art. 70100262*
2.5	*Art. 70100213*	*Art. 70100411*
3	*Art. 70100178*	*Art. 70100217*
4	*Art. 70100144*	*Art. 70100189*
5	*Art. 70100146*	*Art. 70100185*
6	*Art. 70000512*	*Art. 70000370*
7	*Art. 70100182*	*Art. 70100201*
8	*Art. 70000630*	*Art. 70100212*
9	*Art. 70000381*	*Art. 70100192*
10	*Art. 70000631*	*Art. 70000387*
11	*Art. 70100143*	*Art. 70000388*
12	*Art. 70100147*	*Art. 70100200*
13	*Art. 70100187*	*Art. 70100412*
14	*Art. 70100164*	*Art. 70100165*
15	*Art. 70100030*	*Art. 70100183*
20	*Art. 70100397*	*Art. 70100413*
25	*Art. 70100398*	*Art. 70100414*

Instalation possibilities



Max. cable length between drivers and luminaire/LED modules: **<200 m ****

Min. conductor cross section area: **1.5 mm²**

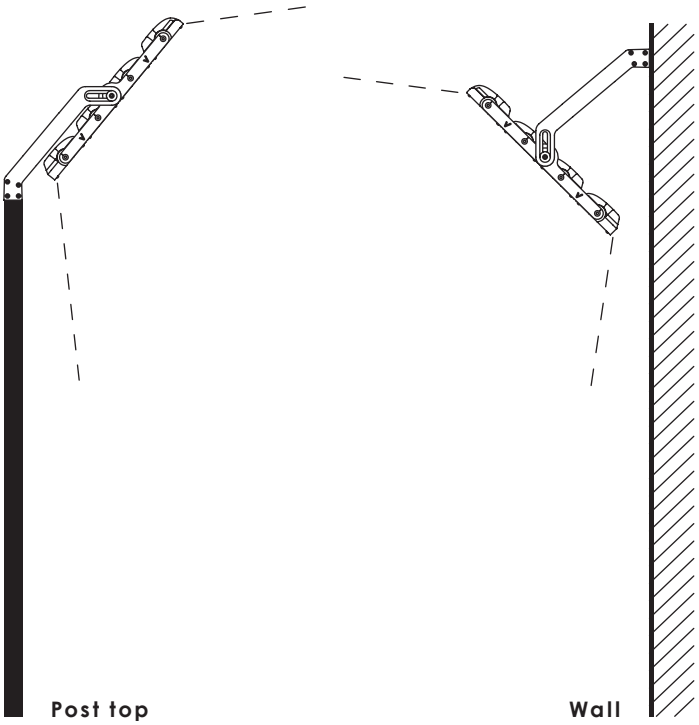
Cable core quantity:

- 1 head - **3 cores** | x1 cable *
- 2 heads - **5 cores** | x1 cable *
- 3 heads - **7 cores** | x1 cable *
- 4 heads - **5 cores** | x2 cables *

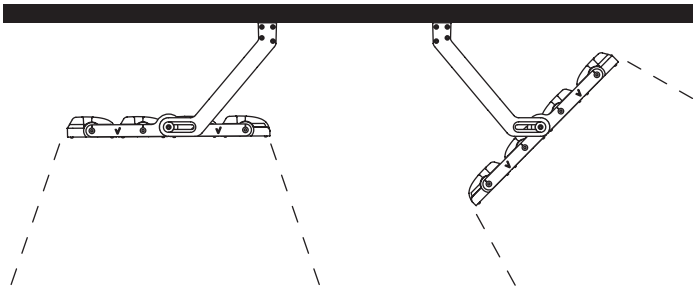
* Luminaire to driver cable must be ordered separately from the accessories list

** For detailed information on specific LED drivers please contact VIZULO sales representative

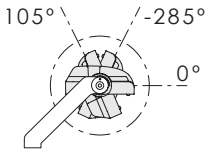
Mounting options



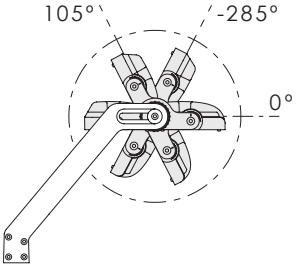
Surface



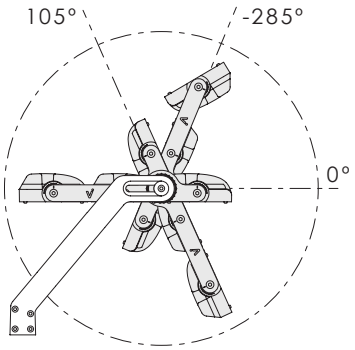
Rotation options



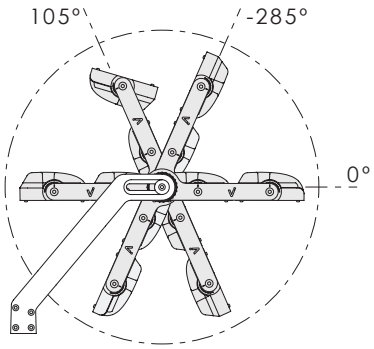
1 LED module



2 LED module

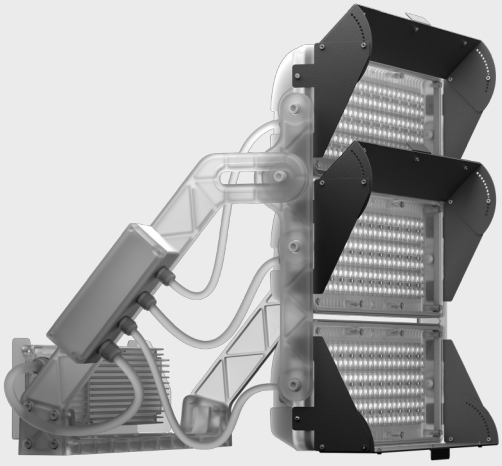


3 LED module



4 LED module

Eagle visors



↘

Achieve precise light control with optional visors, designed to reduce glare and direct light where it's needed.
These accessories support a wide range of applications while maintaining control over unwanted light distribution.

Note!
If visors are required, please specify this when placing your order, as the luminaire body must include dedicated screw holes for visor installation.

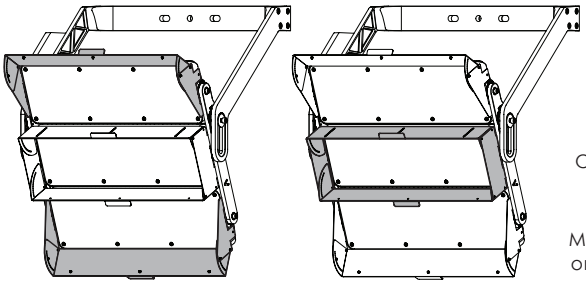
Choose from two setups:

Front / back visor set

Art. 70086030

Color: silver (RAL 9006)
Other colors available on request!

Note!
Front / back visor set is compatible with any Eagle head, including middle heads



Middle visor set

Art. 70086033

Color: silver (RAL 9006)
Other colors available on request!

Note!
Middle visors must not be mounted on two directly neighboring heads at the same time

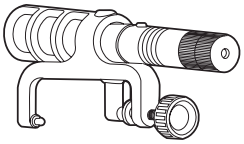
Both visor sets are fully adjustable:

- in angle: 90° - 155°
- in depth: 100 - 170 mm

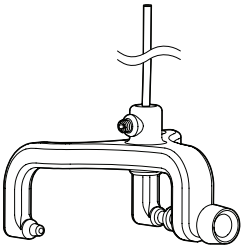


Accessories

Laser pointer with bracket *Art. 70000714*



Axis target with bracket *Art. 70000729*



Certification

CE – conformity with European Union's health, safety and environmental protection standards

The CE mark is placed on products to state conformity with the relevant EU health, safety and environmental protection standards. In case of electronic products, the standards are, for example, the Restriction of Hazardous Substances in Electrical and Electronic Equipment (RoHS) directive, Waste Electrical and Electronic Equipment (WEEE) directive, the Electromagnetic Compatibility (EMC) directive etc. The mark ensures that the product can be sold anywhere in the European Economic Area (EEA).

UKCA - conformity with the relevant essential requirements of Great Britain

UKCA is a product mark intended to demonstrate compliance with the directives set by Great Britain (England, Scotland and Wales). It is analogous to the European Union's CE marking, meaning that depending on the type of product the applicable regulations are different. In case of LED lighting, the relevant requirements are compliance with the Electromagnetic Compatibility Regulations, the Electrical Equipment (Safety) Regulations, the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations and the Ecodesign for Energy-Related Products and Energy Information (Lighting Products) Regulations.

RoHS – compliance with European Union's RoHS directive

The RoHS (Restriction of Hazardous Substances in Electrical and Electronic Equipment) directive restricts (with exceptions) the use of ten hazardous materials in the manufacture of various types of electronic and electrical equipment. The aim of the directive is to prevent the risks posed to human health and the environment related to the management of electronic and electrical waste.

Zhaga-D4i - compliance with the requirements of Zhaga Book 18 or 20 and DALI standard

The Zhaga-D4i Mark represents the fact that a product is certified following the Zhaga-D4i joint certification program – a program established by Zhaga and the DALI Alliance (DiiA). The Zhaga part of the Mark represents that a product meets the requirements of Zhaga Book 18 or 20 – Zhaga standards that describe a smart interface between outdoor luminaires and sensing/ communication nodes. The DALI Alliance part of the Mark signifies that the product conforms with the DALI standard for intelligent, IoT-ready luminaires.

UL - compliance with UL standards for LED lighting

UL stands for Underwriter Laboratories, a third-party certification company that's been around for over a century. UL sets industry-wide standards for products and performs testing according to these standards to ensure that the products marked with the UL mark are safe and high quality.

ENEC - compliance with European standards for electrical equipment

The ENEC Mark is the high quality European Mark for electrical equipment. It is governed by the European Testing Inspection Certification System which ensures that the testing of products is conducted at ENEC – accredited laboratories, following additional requirements regarding the testing procedures. The ENEC Mark means that the testing procedure was followed scrupulously and that the consumer can be certain of the product's safety and quality.

Ball-proof – compliance with the requirements of the DIN 57710-13 testing standard

The ball-proof test is described in the standard DIN 57710-13 (Luminaires with operating voltages below 1000 V; luminaires safety to ball throwing). The standard defines the requirements set for impact resistance of luminaires meant for use in indoor sports facilities. It states that a luminaire struck by a ball must withstand any damage that could cause parts of the luminaire to fall to the ground.

International EPD System – Environmental Product Declaration available

An Environmental Product Declaration (EPD) is a declaration of the materials, energy, transportation and other resources involved in the production, use and end-of life of a specific product. It is based on a Life Cycle Assessment (LCA) study that complies with standards EN ISO 14040 and EN ISO 14044. A product's EPD can help evaluate its impact on the environment and make sustainable choices.

LED module replaceable by a professional

This pictogram shows that the LED modules included in the luminaire are only replaceable by a professional. This labeling is a requirement folowing the introdution of European Union's Regulation on energy labelling for light sources (EU) 2019/2015.

LED driver replaceable by a professional

This pictogram shows that the LED driver included in the luminaire is only replaceable by a professional. This labeling is a requirement folowing the introdution of European Union's Regulation on energy labelling for light sources (EU) 2019/2015.

References





↘
Stade Mathieu Bodmer,
Evreux, France



↘
Beynes,
France



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VIZULO

VIZULOSOLUTIONS