

Eagle





### Ventilation cable gland

Pressure equalisation. It ensures high air flow rates as well as high water protection capacity

### Glass

Flat glass. Glass is fixed to die-cast aluminium frame and can easily be replaced

### LED module

High quality LED's with optimal thermal resistance and energy consumption characteristic, for high lumen output and long expected life time. Color temperature available: 2700 K, 3000 K, 4000 K

(1800 K, 2200 K, 3500 K, 5000 K, 5700 K, 6500 K available on customer request)

### Sockets

Zhaga and NEMA sockets compatible

### Module temperature control

The LED driver will start reducing the light output when the LED's approach critical temperature. The temperature is measured via a sensor placed on the PCB (function available on customer request)

### Body

Die-cast aluminium

### **Lighting protection** Built-in surge protection 10 kV

### Light regulation

EAGLE drivers offer integrated midnight dimming and network-controlled 1 - 10 V, DALI and DMX protocols

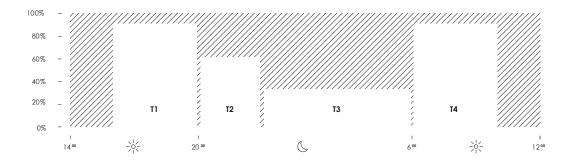
#### **Protection** IP66 for the complete luminaire

Data subject to change | Last modified | January 2, 2024



## Midnight dimming

Midnight dimming provides multi-stage night-time power reduction based on an internal timer referenced to the power on/off time. There is no need for an external control infrastructure. The unit automatically performs a dimming profile based on the predefined scheduled reference to the midpoint, which is calculated based on the power on/off times.

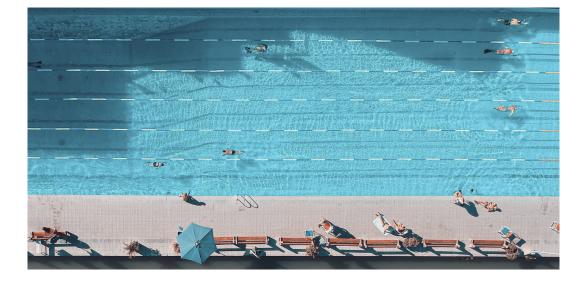


## Application

↘ Football fields

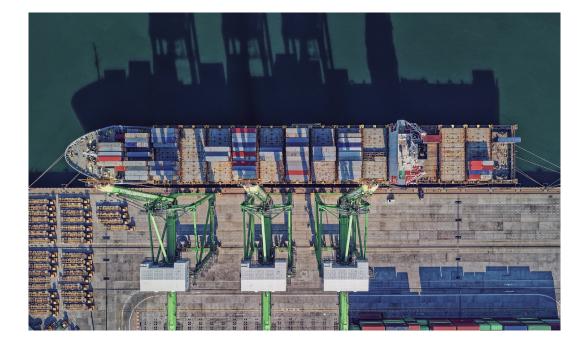


L Swimming pools

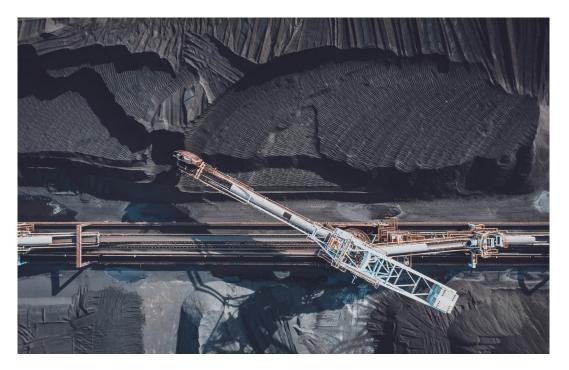


Tennis Courts

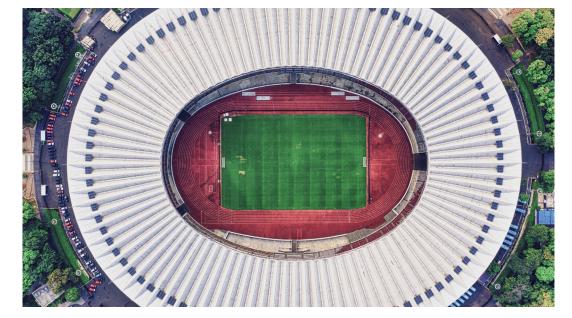




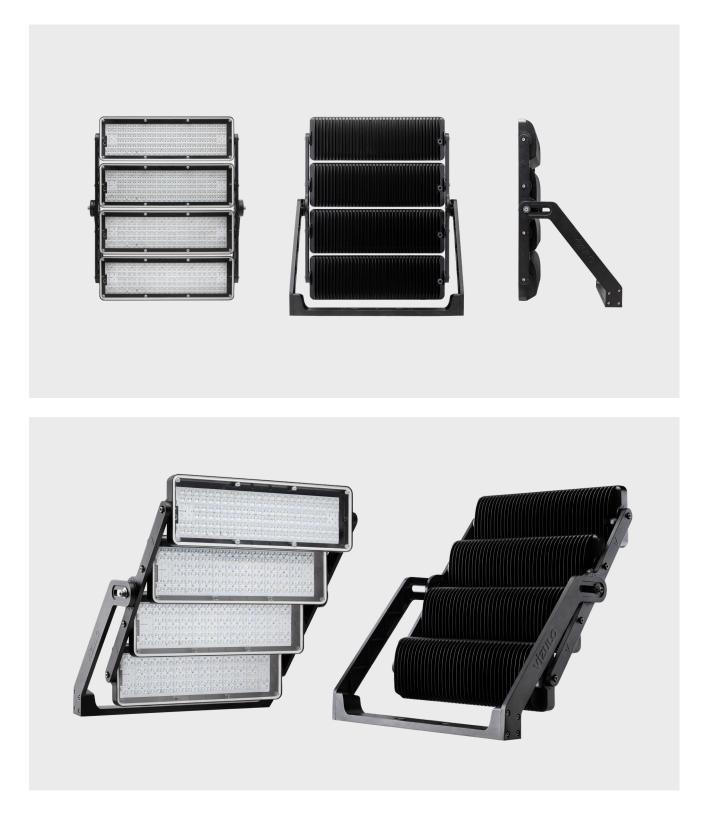
⊔ Industrial areas



≤ Stadiums



## Eagle 4 heads

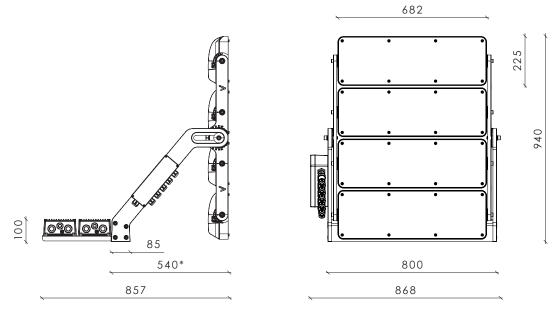




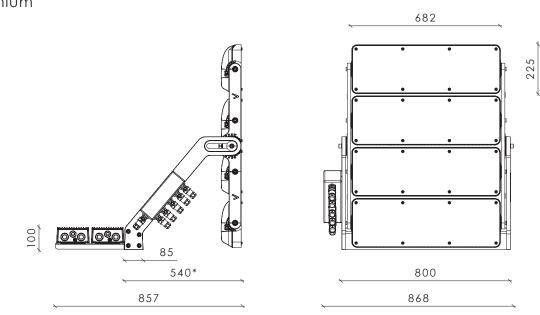
Other colors available on request

## Dimensions with DELTA driver

### Standard

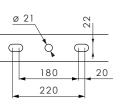


Premium



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

Mounting bracket



Wind load

 $SCx = 0.23 m^2$ 

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

940

0° 15° 30° 45° 60° 75° 90° SCx, m² 0.23 0.36 0.48 0.58 0.64 0.68 0.69

Techı inforr	nical mation	4 heads 480 / 576 LED		
V Hz W	198 - 264 / 11 50 - 60 1020 - 2190	0 - 277 <sup>(۱</sup> 480 LED version	Body: Dimming:	Die-cast aluminium DALI / 1 - 10 V / DMX / Midnight dimming / Step dimming / Mains dimming

Initial chromaticity:

Intelligent Control:

Surge protection:

Neto weight:

**Corrosion protection:** Up to C5

TLCI:

Lifetime:

Socket:

Sensor:

Warranty:

Installation:

>90 (4

5 years

Daylight 10 kV

Up to 41.7 kg

MacAdam 5

Up to 100 000 h (L98B10) at Ta =  $25 \degree C^*$ 

On bracket / wall / ceiling

Stand-alone / Group / CMS

NEMA / Top Zhaga

 $^{1)}$  Maximum operating voltage, ENEC certificate voltage 220 - 240 V, UL certificate voltage 110 - 277 V

 $^{\rm 2)}$  Lumen output indicated at CRI > 70

<sup>3)</sup> 1800 / 2200 / 2700 / 3000 / 3500 / 6500 K available on request along with other not listed CRI and CCT

<sup>4)</sup> For CRI > 90 and CCT 5000, 5700 K

<sup>5)</sup> Ball proof: tested according to DIN 57710-13

1020 - 2400 | 576 LED version

Up to 301 450 (2

>70 / >80 / >90 (3

4000 / 5000 / 5700 (3

Up to 156

-40 to +50

lm

ĸ °C

CRI

lm/W

\*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.

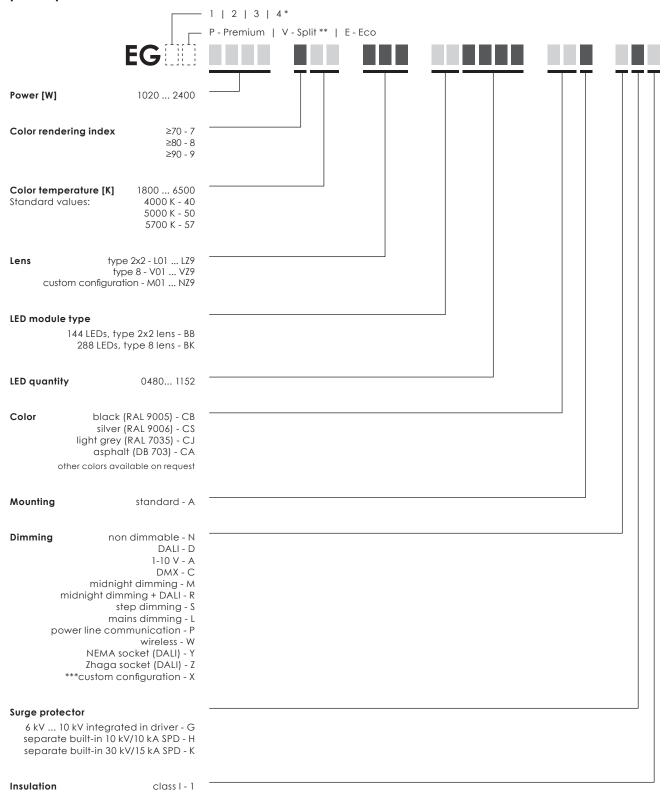
ECO

\* Data for L01 optic. Check VIZULO members section for additional information

4000 K | CRI 70

				I			
Number of LED's		480			576		
Nominal current, mA	360	510	690	300	480	660	
Power, W	1020	1500	2100	1020	1700	2400	
Luminous Flux, Im	154510	208610	261980	159315	233590	301450	
Efficacy, Im/W	151	139	125	156	137	126	
Power factor, PF	I	Up to 0.99		Up to 0.99			
Luminaire efficacy	2700 K	1020 - 2	2400 W	144758	- 282352	lm 117	- 142 lm/W
	3000 K	1020 - 2	2400 W	150675 -	- 293910	m 122	- 147 lm/W
	5000 K	1020 - 2	2400 W	154510	- 301450	m 125	- 156 lm/W
	5700 K	1020 - 2	2400 W	154510	- 301450	m 125	- 156 lm/W

## Model name principles



EXAMPLE EG4E 2080 740 L87 BB0576 CSA DG1

\* Head count

\*\* External driver

\*\*\* CUSTOM CONFIGURATION EXAMPLE:

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

## LED modules

Туре	Max module quantity	Min LED quantity per module	Max LED quantity per module	Max LED quantity per luminaire	LED step	LED type	Lens type	Layout
BB	4	120	144	576	-	Eco	type 2x2 L01LZ9	$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$
BK	4	240	288	1152	-	Eco	type 8 V01VZ9	$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$

## Cable core count

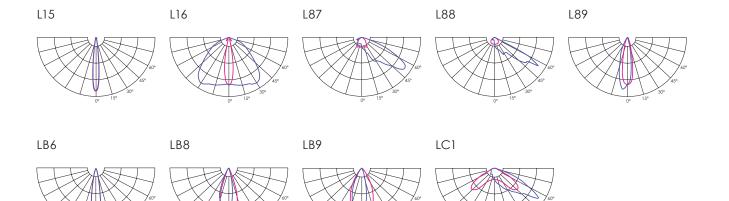
Socket	Dimming	Model number abbreviation	Input cable core count - Class I	Input cable core count - Class II
None	None	Ν	3	2
None	DALI	D	5	4
None	Midnight dimming	Μ	3	2
None	Midnight dimming + DALI	R	5	4
None	Step dimming	S	5 (1	4 (1
None	Mains dimming	L	3	2
Zhaga	DALI	Z	3 (2	2 (2
Zhaga	Midnight dimming	Х	3	2
Zhaga	Mains dimming	Х	3	2
NEMA	DALI	Y	3 / 5 <sup>(3</sup>	2 / 4 (3
NEMA	Midnight dimming	Х	3	2
NEMA	Step dimming	Х	5 (1	4 (1
NEMA	Mains dimming	Х	3	2

<sup>1)</sup> 1 core unused

<sup>2)</sup> DALI wires used only for internal connection between driver and Zhaga socket(s)

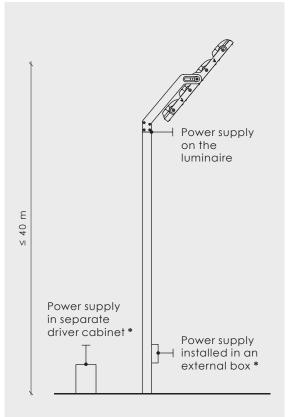
<sup>3)</sup> +2 cores for external DALI connection

# Optics

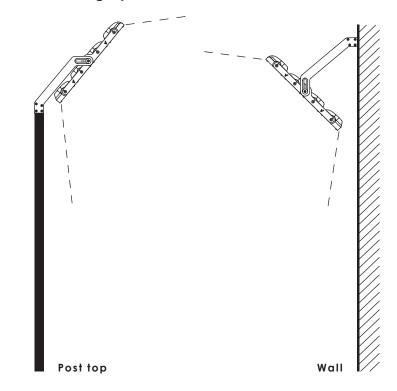




## Instalation possibilities



### Mounting options

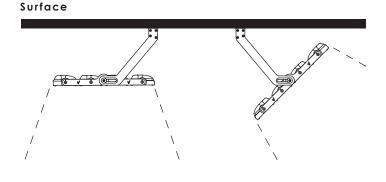


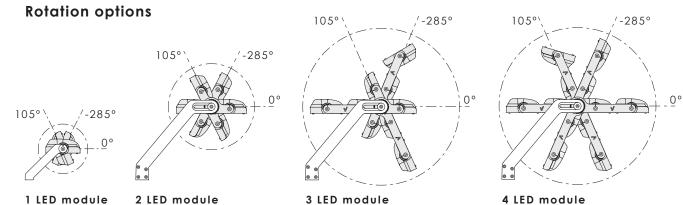
Max. cable length between drivers and luminaire/LED modules: **<200 m** \*\*

Min. conductor cross section area: 1.5 mm<sup>2</sup>

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



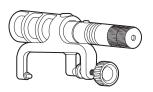


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## Accessories

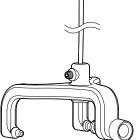
Laser pointer with bracket

Art. 70000714



Axis target with bracket

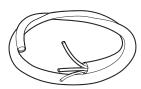
Art. 70000729

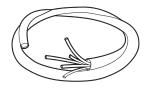


## Pre-installed cable sets For internal power supply

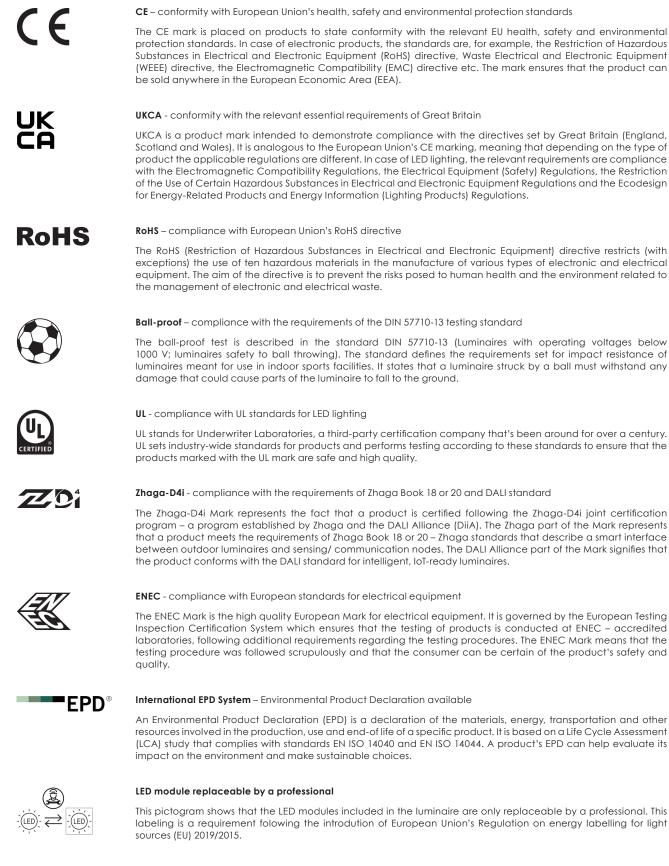
3 x 1,5 mm - 0,5 m long cable 3 x 1,5 mm - 5 m long cable	Art. 70000320
3 x 1,5 mm - 6 m long cable 3 x 1,5 mm - 8 m long cable	
3 x 1,5 mm - 10 m long cable	
3 x 1,5 mm - 12 m long cable	Art. 70000324
3 x 1,5 mm - 18 m long cable	Art. 70000325
3 x 1,5 mm - 20 m long cable	Art. 70000425
3 x 1,5 mm - 22 m long cable	Art. 70000426
3 x 1,5 mm - 25 m long cable	Art. 70000427
3 x 1,5 mm - 32 m long cable	Art. 70000430
3 x 1,5 mm - 42 m long cable	Art. 70000431
3 x 1,5 mm - 50 m long cable	Art. 70000432

5 x 1,5 mm - 5 m long cable	
5 x 1,5 mm - 6 m long cable	
5 x 1,5 mm - 8 m long cable	
5 x 1,5 mm - 10 m long cable	
5 x 1,5 mm - 12 m long cable	
5 x 1,5 mm - 18 m long cable	
5 x 1,5 mm - 20 m long cable	
5 x 1,5 mm - 22 m long cable	
5 x 1,5 mm - 25 m long cable	
5 x 1,5 mm - 32 m long cable	
5 x 1,5 mm - 42 m long cable	
5 x 1,5 mm - 50 m long cable	Art. 70000435





# Certification



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

## References



Ы Stade Mathieu Bodmer, Evreux, France



∖J Beynes, France



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