

LED Floodlights  
**EOS**



Highest efficiency – over 170 lm/W

Corrosion-resistant LEDs

Pressure equalizing system

Various optics versions available

Optional illuminance control

Overvoltage protection

Manufactured in Poland



# USAGE:

Outdoor floodlights with high luminous fluxes.  
Energy-efficient lighting for squares, parking lots,  
sports facilities and building facades

## Maximum savings

- Highest efficiency > 170 lm/W
- High luminous flux
- Versions with control options enable cooperation with LMS lighting management systems.

## Durability and safety

- Manufactured in Poland
- Designed for effective heat dissipation and long-life operation
- Resistance to weather conditions
- High IK08 coefficient
- Breather valve for pressure equalization
- Overvoltage protection
- 5- year warranty (extendable).

## Simple installation and easy maintenance

- Adjustable mounting angle
- Low operating costs.





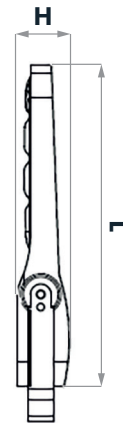
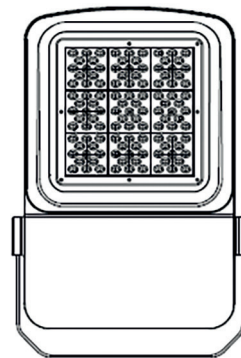
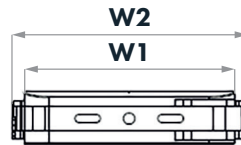
## Technical parameters, dimensions and weight

Luminaire name	EOS B	EOS M	EOS S	EOS D	EOS E
Housing material	Pressure-injected aluminum body, tempered glass diffuser				
Power supply output (maximum)	40 W	80 W	150 W	250 W	480 W
Correlated colour temperature	3000 K, 4000 K, 5000, 6500 K				
Luminous flux (max power, 4000 K, Ra 70)	6 400 lm	13 600 lm	25 500 lm	42 500 lm	81 600 lm
Electrical insulation class	I				
Supply voltage	198-264 V AC				
Network frequency	50/60 Hz				
Power factor	PF > 0.95				
Power supply control (options)	DALI, 1-10V				
Colour rendering index	Ra > 70, Ra > 80				
Operating temperature	-30°C to +45°C				
LED lifetime (T <sub>a</sub> = 25°C) L70B50	160.000 hours				
IP rating	IP66				
IK rating	IK08				
Floodlight mounting height	3 – 6 m	5 – 10 m	7 – 14 m	10 – 16 m	12 – 22 m
Floodlight weight	2.2 kg	4.5 kg	6.1 kg	12.2 kg	22.0 kg
L (mm)	285	390	460	580	725
W1 (mm)	182	250	300	405	540
W2 (mm)	230	290	345	450	610
H (mm)	50	65	66	85	90

# LED Floodlights EOS

## Standard features (for EOS M, S, D, E)

- overvoltage protection  
6 kV (L-N) / 10 kV (L/N-PE) for versions M, S, D



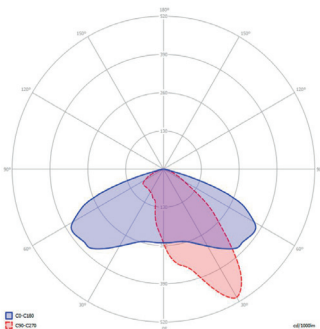
## Additional options (for EOS M, S, D, E)

- 10 kV overvoltage protection
- NTC thermal protection  
(temperature sensor on the LED module)

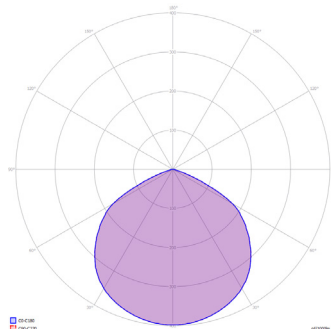
## Light distribution curve configuration

Example light distribution curves for lenses:

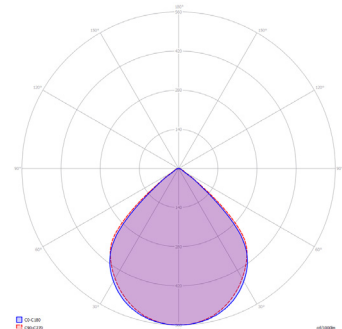
Type H – asymmetric



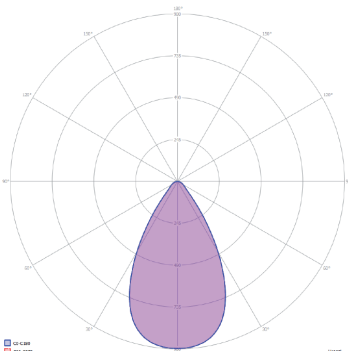
Type O – symmetrical 115°



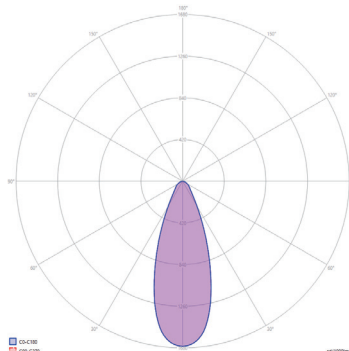
Type B – symmetrical 90°



Type C – symmetrical 60°



Type D – symmetrical 38°



## Simple and safe installation and maintenance



## EOS floodlight series coding

ES1-PSPbERfTC-O000

**ES1** product code – EOS floodlight

**PSP** power supply output [W]:  
 40 W  
 80 W  
 150 W  
 200 W  
 250 W  
 480 W

**b** power control  
 N – no control  
 D – DALI  
 „-“ - 1-10V

**E** Electrical insulation class  
 1 – class I

**R** Floodlight housing size  
 B – micro L = 285 mm  
 M – small L = 390 mm  
 S – medium L = 460 mm  
 D – large L = 580 mm  
 E – very large L = 725 mm

**T** correlated colour temperature [K]  
 3 – 3000 K  
 4 – 4000 K  
 5 – 5000 K  
 6 – 6500 K

**C** colour rendering index [CRI]  
 7 – Ra > 70  
 8 – Ra > 80

**O000** optic type:  
 H000 - asymmetric  
 0000 - symmetrical 115°  
 B000 - symmetrical 90°  
 C000 - symmetrical 60°  
 D000 - symmetrical 38°



### Coding example **ES1-150N1S-47-H000**

**ES1** EOS version 1.  
**150** power supply output 150 W  
**N** no control  
**1** IEC class 1  
**S** floodlight housing size – medium, L = 460 mm  
**4** correlated colour temperature 4000 K  
**7** colour rendering index Ra > 70  
**H000** optic type H

The technical specification is subject to change  
 240529V06

LED Floodlights

# EOS

 MADE IN POLAND CE	EOS	 40/80/150 250/480 W	 B/S/M/D/E		 4000 K	
	ES1 230 VAC	 160.000 h	 2.2 - 22.0 kg	 IP66	 70	
		 .. 170 lm/W	 NS/1-10 V/ DALI	 IK08	 -30° .. +45°C	T. GLASS

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