

FLEX-LENS



150~240W LED Floodlight



Key Features:

- High quality SMD LED array
- Custom case for effective heat dissipation
- In house LED driver technology
- Rugged design
- IP66
- 5 years warranty
- Using Nichia 3030 LED chip
- Designed for sports arenas, 5-A-side football and tennis courts

FLEX-LENS SPECIFICATION

Model Number	FLEX-LENS-150-57K-xxxxxB	FLEX-LENS-150-57K-xxxxxS	FLEX-LENS-240-57K-xxxxxB	FLEX-LENS-240-57K-xxxxxS
Fitting Colour	Black	Silver	Black	Silver
Input Voltage***	200~240V	200~240V	200~240V	200~240V
Output Load	150W	150W	240W	240W
Power Factor	>0.90	>0.90	>0.90	>0.90
Lumens	18575lm	18575lm	30769lm	30769lm
Asymmetric* Beam Angle	32° x 84°/tilt 30° or 50° x 88°/tilt 45°			
Colour (K)**	5700K	5700K	5700K	5700K
CRI	>70	>70	>70	>70
Efficacy (lm/W)	124lm/W	124lm/W	128lm/W	128lm/W
Housing	Die cast Aluminium Case	Die cast Aluminium Case	Die cast Aluminium Case	Die cast Aluminium Case
Working Temperature	-40°C ~ +45°C	-40°C ~ +45°C	-40°C ~ +45°C	-40°C ~ +45°C
Protection	IP66	IP66	IP66	IP66
Weight	5.16kg	5.16Kg	6.84Kg	6.84Kg
Dimensions	302 x 374 x 50mm	302 x 374 x 50mm	413 x 374 x 50mm	413 x 374 x 50mm

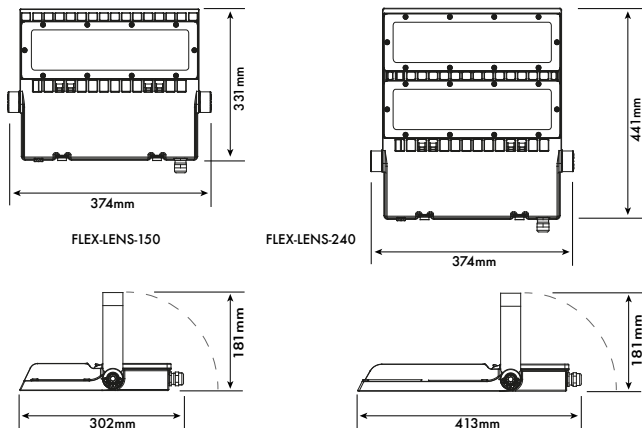
* Also available with symmetric LENS upon request.

** Also available in other colour temperatures upon request.

*** Available with universal input upon request.



Mechanical Diagrams



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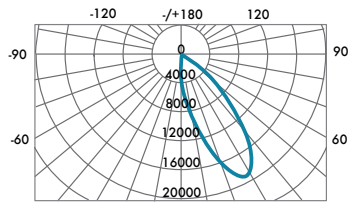
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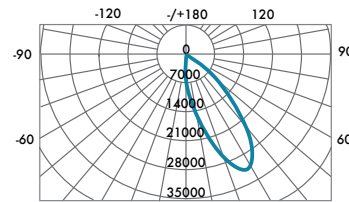
Photometrics

FLEX-LENS-150 32°x84° Asymmetric



Average Beam Angle (50%): 52.4° Deg

FLEX-LENS-240 32°x84° Asymmetric



Average Beam Angle (50%): 51.7° Deg

Flux out: 1089lm

Height	E ave, Emax	Angle: 31.32° deg	Diameter
2m	1054, 2550lx		112.14cm
4m	263.4, 637.4lx		224.28cm
6m	117.1, 283.3lx		336.42cm
8m	65.86, 159.3lx		448.57cm
10m	42.15, 102.0lx		560.71cm

5700k

Flux out: 2001lm

Height	E ave, Emax	Angle: 31.39° deg	Diameter
2m	1937, 4681lx		112.40cm
4m	484.1, 1170lx		224.81cm
6m	215.2, 520.1lx		337.21cm
8m	121.0, 292.6lx		449.62cm
10m	77.46, 187.2lx		562.02cm

5700k

Available options upon request

Dimming

DALI
1-10V
PWM

Dusk to dawn sensor

Zigbee controller

10KU surge protection

Testing & Certification

The FLEX-LENS floodlight has been extensively tested to the following criteria:

International Protection (IP) Rating

IEC 60529, sometimes interpreted as Ingress Protection Marking, classifies and rates the degree of protection provided against intrusion (body parts such as hands and fingers), dust, accidental contact, and water by mechanical casings and electrical enclosures. It is published by the International Electrotechnical Commission (IEC). The equivalent European standard is EN 60529.

IK10 Impact Protection Rating

The European standard EN 62262 – the equivalent of international standard IEC 62262 (2002) – relates to IK ratings. This is an international numeric classification for the degrees of protection provided by enclosures for electrical equipment against external mechanical impacts. It provides a means of specifying the capacity of an enclosure to protect its contents from external impacts.

CE Certificate of Conformity

CE marking is a certification mark that indicates conformity with health, safety, and environmental protection standards for products sold within the European Economic Area (EEA). This also includes EMI, EMS, Low Voltage Directive and Energy Related Products Directive.

ECA compliance Certificate

Photometric Reports

Driver Data

Copies of these certificates and reports are available upon request.

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