TECHNICAL DATA

552030WW

KADO LED FLOODLIGHT 20W 3000K

KADO LED floodlight for outdoor use, 20W power and luminous flux of 2320lm. Equipped with 24 LUMILEDS LED Chips, and Linear Driver with 2Kv surge protection. 90° symmetrical optical beam angle and 3000K color temperature. IP65 protection rating against external elements and IK09 mechanical impact resistance rating. Body made of grey finish aluminum and transparent polycarbonate lens.

PRODUCT SPECIFICATIONS

Item code:	552030WW
Description:	LED floodlight for outdoor use
EAN13 code:	8435724903009

ELECTRICAL DATA

Power:	20w
Voltage:	185-265vac
Frequency:	50-60 Hz
Power factor:	0,9
Driver model:	Lineal Driver
Overvoltage protection:	2 Kv
Dimmable:	NOT
Electrical insulation class:	CLASS I
Connection:	L/N+TT

LUMINOUS DATA

Color temperature:	3000K
Luminous efficiency:	116lm/w
Lumens:	2320lm
LED chip brand:	LUMILEDS
LED chip model:	SMD 2835
N.° LED chip:	24 pcs
Beam angle:	90°
Luminous distribution:	Symmetrical
Color rendering index:	>80
Color rendering index, minimum:	80
Color rendering index, maximum:	85

Standard desviation of colour matching:	**<4**
Luminous flux maintenance:	**L90B10**
Flicker index:	**≤1,0**
SVM (Stroboscopic Visibility Measure):	**≤0,9**
Flicker free:	**YES**

TECHNICAL DATA

Protection rating:	**IP65 (Dust-tight equipment and protected against water jets)**
Impact rating:	**IK09 (10J)**
Operating temperature:	**-20°~50°**
Mounting type:	**Surface**

AVERAGE LIFESPAN

Working hours:	**45000 hrs**
Switching cycles:	**35000 ON/OFF**

PHYSICAL DATA

Housing

Material:	**Aluminum**
Finish:	**Gray**

Diffuser

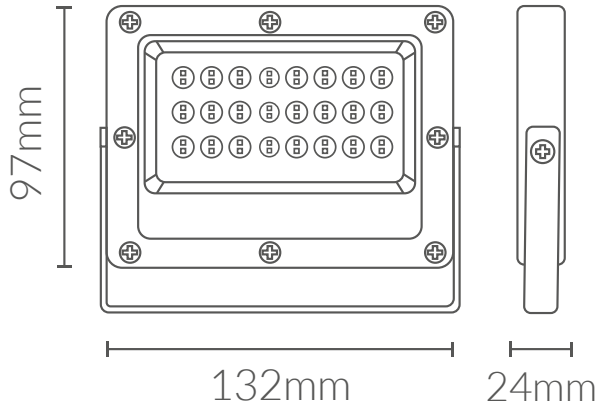
Material:	**Polycarbonate (PC)**
Finish:	**Transparent**

Weight

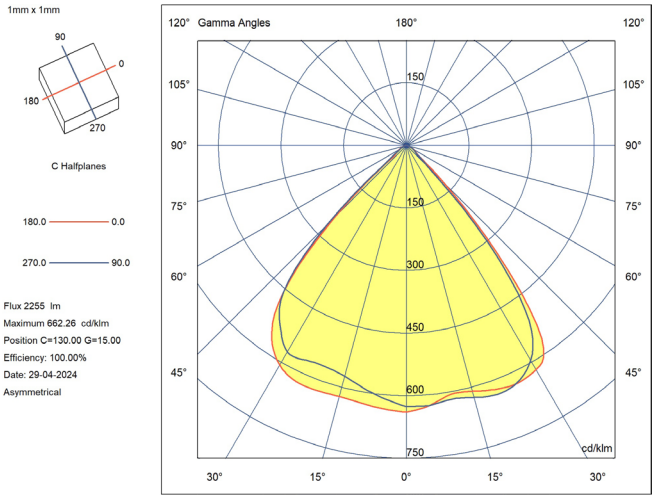
Weight:	**0,21 kg**

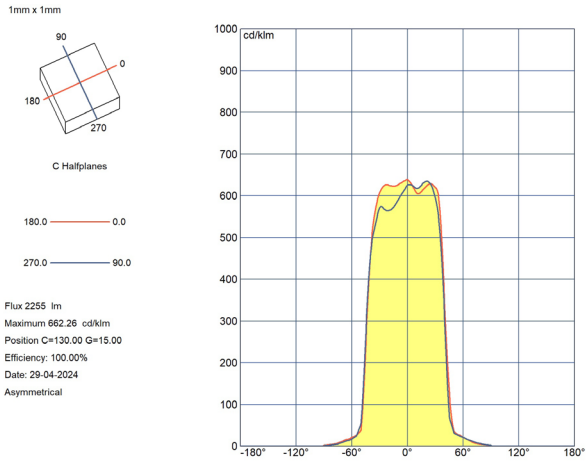
ENERGY EFFICIENCY 2023(UE-2019/2015) F

DIMENSIONS



LUMINOUS INTENSITY DISTRIBUTION CURVE





CERTIFICATIONS

CE & ROHS

EMC directive 2014/30/EU ELECTROMAGNETIC COMPATIBILIT

EN IEC 55015	Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment.
EN IEC 61000-3-2	Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current =16 A per phase).
EN 61000-3-3	Electromagnetic compatibility (EMC) - Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current <= 16 A per phase and not subject to conditional connection.
EN 61547	Equipment for general lighting purposes - EMC immunity requirements.

LVD directive 2014/35/EU LOW VOLTAGE

EN 60598-2-5	Luminaires - Part 2-5: Particular requirements - Floodlights
EN 60598-1	Luminaires - Part 1: General requirements and tests.

RoHS Directive 2011/65/EU and Delegated Directive (EU) 2015/863
Determination of Certain Substances in Electrotechnical Products.

IEC 62321-1	**IEC 62321-1-2**
IEC 62321-3-1	**IEC 62321-4**
IEC 62321-6	**IEC 62321-7-1**
IEC 62321-7-2	**IEC 62321-8**