

INDEX: VL-F2A-505

TECHNICAL CARD



LED RECHARGEABLE FLOODLIGHT

















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Dimmable



-20°C +50°C



CCT 6500K







WARRANTY 2 YEARS



Neutral White / Neutralny biały / Neutralni bila / Blanc neuter / Neutrálna biela / Neutraal wit / Semleges feher / Nevtralno bela / Neutralno bijela / Neutralweiß / Alb neutru / Neutralus balta / Neitrāls balta / Neutraalne valge / Неутрално бяла / Bianco neutro.

General parameters

Control gear replaceable	-
Light source replaceable	no

Type of light source

Dimmable	3-step
Directional (DLS) or non-directional (NDLS) light source	-
Color-tunable light source	-
Mains (MLS) or non-mains (NMLS) light source	-
Technology	LED

Electrical parameters

On-mode power (Pon)	50 W
Rated voltage, frequency	DC 5V, 2A
Cable length	1.5 m
Rated current	2 A
Input interface	AC adapter
Electric shock protection class	III
Displacement factor (cos φ1)	-
Survival factor	1

Photometric parameters

Correlated color temperature	5000K (neutral white)
Peak luminous intensity	-
Beam angle	90°
Color rendering index (CRI)	Ra > 80
On/Off cycles	20000
Lifetime (L70B50)	30000 h
Chromaticity coordinates (x)	0.34
Chromaticity coordinates (y)	0.359
R9 colour rendering index value	>0
The lumen maintenance factor	≥96%
Flicker metric (Pst LM)	-
Stroboscopic effect metric (SVM)	-
Colour consistency in MacAdam ellipses (SDCM)	<6 (6500K)
CRI Min	Ra 80
CRI Max	Ra 88



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Additional information

Place of application	indoor, outdoor
Impact protection	IK07
Housing colour	Black
Minimum distance from the illuminated object	0.5 m
Ultraviolet radiation	no
Operating temperature range	-20° +50°C
Battery voltage	3.7 V
Battery type	Li-ion
Battery capacity	10000 mAh
Battery replaceable	no
Suitable for installation in normally flammable surfaces	yes
Mercury content	Does not contain
Ingress protection	IP65
Housing material	Aluminum alloy

Dimensions

EAN	4820246482479
In the package	1 pc.
Outer box	10 pcs.
Height	324 mm
Width	244.5 mm
Depth	59.4 mm
Unit nett weight	1.27kg

Signs marking goods

Packaging marking

CE, Utilization







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Allegro opt Sp. z o.o., ul. Mierzeja Wiślana 11, 30-732 Krakow, Poland.



The product must be used indoors



The product must be used outdoors



Class III protection against electric shock - ensured by supplying a specific product with a safe very low voltage (SELV) without the risk of creating a voltage above safe levels



Minimum distance from the illuminated object



The product can be installed and used in/on normally flammable surfaces



The product meets the requirements of EU directives



It is forbidden to throw away waste equipment marked with the symbol of a crossed-out bin with



— Rated beam angle



— Ra > 80 - color rendering index



— Rated On/off cycles



 The product withstands a medium impact (e.g., from a blunt object)



— Nominal lifetime (hours)



The product does not emit ultraviolet light



— The product has 3-level brightness adjustment



Operating temperatures range



Colour consistency in MacAdam ellipses (SDCM)



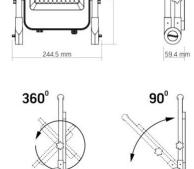
The product does not contain mercury



Class of protection against dust and moisture.

The product has full protection against dust and water jets from all directions





We reserve the right to make technical changes. The data contained in this material is not legally binding.

Date: 25.11.2025