



LED-med. intensity obstruction light AOL306.2016-W ES technical data

Type	AOL 306.2016-W ES
Lamp	LED-insert with high performance LED red
Supply	- 24V / DC
Power consumption	red approx. 4W during flash operating
Luminous intensity	effective 100cd red / photometric 170cd rot horizontal 360°,
Flash rate	red: 1s on / 0,5s off / 1s on / 1,5s off
Average service life	> 100.000 hours
Overvoltage protection	integrated
Range of temperature	-40°C to +60°C
Housing	powder coated aluminium, traffic white
Optics	optical system
Electrical connection	UV-resistant special cable 7G0,5mm ²
Degree of protection	IP 66
Dimensions	160 x 145 mm
Weight	approx. 2,0 kg
Mechanical stress	shock-proof, vibration-resistant
Spezification	CE - certified, meets German aviation regulations, obstruction light, approved by the german federal ministry of transport
Execution	medium intensity obstruction light for night
Quality characteristics	- GPS Synchronisation, astronomical clock and twilight switch integrated - high-efficient protection of LED luminous element against ultraviolet light - well proven system since 1999
Accessories	- terminal box aluminium or synthetic material (PC) - self regulated heating system - visibility sensor - switch cabinet / control unit - including UPS, Datenlog, fault indication

Notice: The technical equipment influences the design off he obstruction lights. The following overview will help you to choose the correct product. We would be pleased to advise you personally.

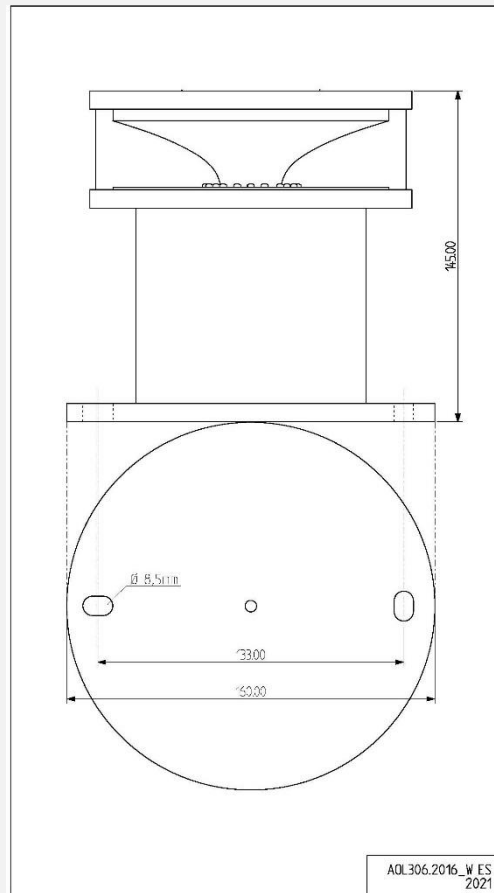




Execution AOL 306.2016-W ES 24V DC



[fig. similar]



- Terminal box synthetic material (PC)
- Terminal box aluminium
- without terminal box, cable length (standard 10m): _____ m

Order volume: _____





Certified translation from German, page 1 of 1

WASSER- UND SCHIFFFAHRTSVERWALTUNG DES BUNDES
Fachstelle der WSV für Verkehrstechniken
 [FEDERAL WATER AND NAVIGATION ADMINISTRATION]
 [Specialist Department of the Federal Water and Navigation
 Administration for Transport Technology]

WSV.de

Certificate

Pursuant to No. 28 of the General Administrative Regulation
 for the identification of aircraft obstructions (AVV identification) for presentation
 to the pertinent approval authority pursuant to the Air Traffic Act

Type of fire: Fire W, red ES
 Manufacturer: Hochspannungs Lichttechnik Bernd Ballaschk GmbH
 Willischzaweg 48
 D-03096 Burg / Spreewald
 Type description: AOL 306.2016-W ES

On the basis of the technical inspection carried out by the Specialist Department of the Federal Water and Navigation Administration for Transport Technology on 11th November 2016, it is established that the product model presented of the above-mentioned light type corresponds to the lighting requirements according to the AVV identification in the version of 26th August 2015 (Banz AT 01.09.2015 B4, on 1st September 2015). The results of the lighting-technical inspection are documented in the inspection report LS189, dated 22nd November 2016: Subject to an amendment to the aforementioned requirements and under observance of any applicable specifications based on the inspection report, the light type may be used for the identification of aircraft obstructions.

Coblenz, on 22nd November 2016

[Circular stamp with insignia:
 SPECIALIST DEPARTMENT OF THE
 FEDERAL WATER AND NAVIGATION
 ADMINISTRATION FOR TRANSPORT
 TECHNOLOGY AT THE WSA
 COBLENZ 1]

[Signature]
(Streng)

I, Robert Avery Grey, sworn German-English translator by the Frankfurt Regional Court,
 hereby certify that the above translation from the original document is

accurate and complete.

Frankfurt am Main, Germany, 4th September 2017