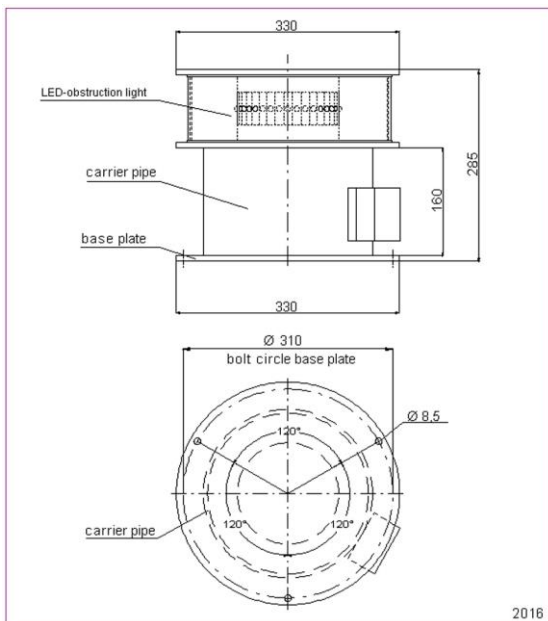


## LED – medium intensity obstruction light – AOL 303-2006 – B



picture with integrated electronic (electronic ballast, twilight switch and GPS module)



### Technical data

Type	AOL 303-2006 – B
Lamp	LED-insert with high performance LED, red
Supply voltage	- 100-240V / AC 50/60Hz - 88-375V / DC - 21-27V / DC electronic ballast can be installed in external switch cabinet or placed in obstruction light, power loss due to long cable run is regulated by electronic ballast
Power consumption	flash mode ca. 16W
Luminous intensity effective	type B according to ICAO 2.000 cd ± 25%, horizontal 360°
flash rate	1s on / 2s off
Average service life	> 100.000 hours
Range of temperature	-40°C to +60°C
Housing	powder-coated aluminum, traffic white, stainless steel V4A available, colors according to RAL table
Optics	optical system
Electrical connection	WAGO clamp up to 3 x 2,5 mm <sup>2</sup> in UV- resistant plastic or aluminum housing
fault indication	failure message via potential-free contacts
Degree of protection	IP 66
Dimensions	see dimension sketch
Weight	approx. 6.7 kg
Mechanical stress	shock-proof, vibration-resistant
Specification	CE - certified, meets ICAO Annex14, table 6-3. medium intensity obstruction light type B, approved by the German Federal Ministry of Transport
Over-voltage protection	integrated in obstruction light according to EN 61643-11:2001 in SPD type 2 for switch cabinet and obstruction light
Design	one-level medium intensity obstruction light
Quality characteristics	- integrated heating system to avoid icing - high-efficient protection of LED luminous element against ultraviolet light, direct sunlight and condensation - well-proven system since 1999
Accessories	- twilight switch - GPS module

**Please state when ordering:**

- supply voltage
- mounting location of electronic ballast (in obstruction light or in switch cabinet)

Certified Translation from the German Language

WASSER- UND SCHIFFFAHRTSVERWALTUNG DES BUNDES (WSV)  
(German Federal Waterways and Navigation Administration)

**Fachstelle des WSV fuer Verkehrstechniken**  
(Traffic Technology Center of WSV)  
at the Wasser- and Schifffahrtsamt Koblenz  
(Koblenz Office for Waterways and Navigation)

/LOGO/

**Certificate**

**pursuant to No. 24 of the German General Administrative Regulation  
for the Marking and Lighting of Obstacles to Air Navigation (AVV Kennzeichnung)  
to be presented at the competent regulatory authority in compliance with the Aviation Act**

Type of light: *Hazard beacon*  
Manufacturer: Hochspannungs-Lichttechnik  
Willischzaweg 48  
D-03096 Burg/Spreewald (Germany)  
Classification: **AOL 303-2006 / EST 2006**

Based on the technical inspection by the *Fachstelle der Wasser- und Schifffahrtsverwaltung fuer Verkehrstechniken* (see letterhead for translation) conducted on 12 June 2006 it is herewith certified that the presented trial product sample of the type of lamp described above complies with the photometric requirements set out in *AVV Kennzeichnung* in the version of 02 September 2004 (BAnz (Federal Law Gazette) No. 168 dated 07 September 2004, p. 19 937; *Nachrichten fuer Luftfahrer* I 4/05 of 06 January 2005).

Subject to any amendments in respect to the above requirements, this lamp type can be used to mark and light obstacles to air navigation.

Koblenz, this 19<sup>th</sup> day of June 2006

/German original signed/  
(Streng)

/OFFICIAL SEAL/

\*\*\*\*\*  
I hereby certify that the above translation corresponds with the German copy presented to me.

Berlin, 20 August 2009

