



## LED-medium intensity obstruction light AOL 303SA-A/B technical data

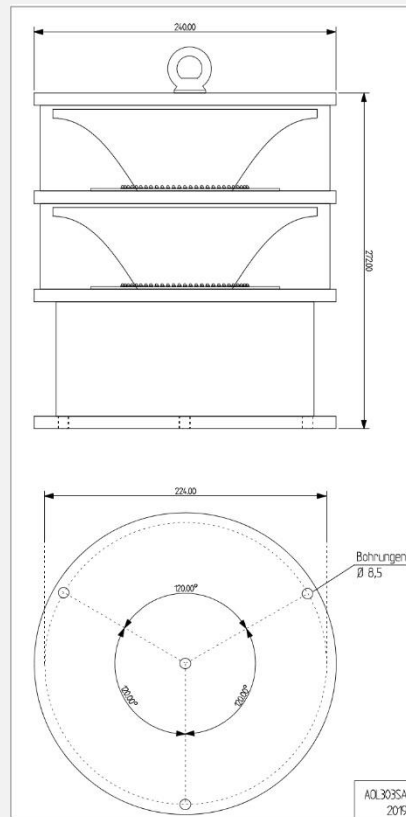
<b>Type</b>	AOL 303SA-A/B
<b>Lamp</b>	LED-insert with high performance LED white and red
<b>Supply voltage</b>	- 24V / DC - 230V (100-240V) / AC ±15% electronic ballast installed in obstruction light or can be installed in external switch cabinet
<b>Power consumption</b>	white blinker beacon average 16W, max. 240W / in the daytime red blinker beacon average 3W, max. 40W / night operation
<b>Luminous intensity effective</b>	20.000 cd white, ±25% 2.000 cd red, ±25% horizontal 360°
<b>Flash rate</b>	0,2s on / 2,8s off
<b>Average service life</b>	> 100.000 hours
<b>Overvoltage protection</b>	integrated
<b>Range of temperature</b>	-40°C to +60°C
<b>Housing</b>	powder-coated aluminum, traffic white, stainless steel V4A available, colors according to RAL table
<b>Optics</b>	optical system
<b>Electrical connection</b>	special cable UV resistant 2.5mm <sup>2</sup>
<b>Degree of protection</b>	IP 66
<b>Dimensions</b>	240 x 272 mm (24V) 240 x 385 mm (230V)
<b>Weight</b>	approx.. 6,0 kg
<b>Mechanical stress</b>	shock-proof, vibration-resistant
<b>Specification</b>	CE - certified, meets ICAO Annex14, table 6-3. medium intensity obstruction light , approved by the German Federal Ministry of Transport
<b>Execution</b>	Medium intensity obstruction light for day and night
<b>Quality characteristics</b>	- GPS Synchronisation, astronomical clock and twilight switch included - fault indication potential free - integrated heating system to avoid icing - high-efficient protection of LED luminous element against ultraviolet light - well-proven system since 1999
<b>Accessories</b>	- terminalbox aluminium or synthetic material (PC) - visibility sensor - control unit - UPS, Datalog

**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 303SA-A/B 24V DC



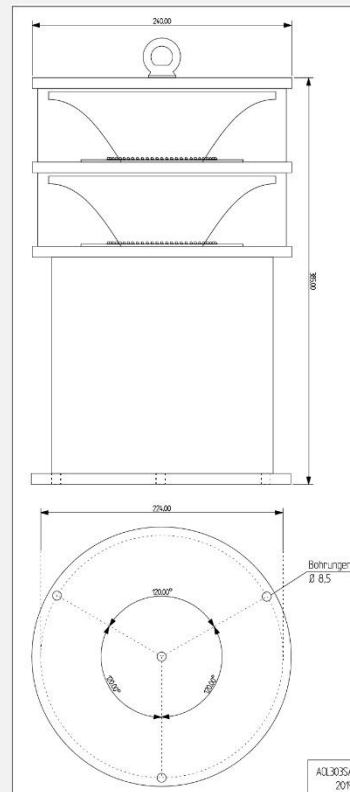
- with additional infrared LED
- terminal box synthetic material
- terminal box aluminium
- without terminal box, cable length (standard 10m): \_\_\_\_\_ m

Order volume: \_\_\_\_\_





execution AOL 303SA-A/B 230V AC



- with additional infrared LED
- terminal box synthetic material
- terminal box aluminium
- without terminal box, cable length (standard 10m): \_\_\_\_\_ m

Order volume: \_\_\_\_\_





Certified translation from German, page 1 of 1

FEDERAL WATERWAY AND SHIPPING OFFICE  
WSV Department for Traffic Engineering

**Certificate**  
in accordance with no. 28 of the general administrative order  
concerning the identification of aviation obstacles (AVV identification) to be presented  
to the responsible licensing authority in accordance with the Air Traffic Act

Type of light            White blinking obstacle day light  
                                  *Medium intensity type A*

Manufacturer            **Hochspannungs-Lichttechnik Bernd Ballaschk GmbH**  
                                  **Stradoweg Weg 27**  
                                  **D-03096 Vetschau**

Type reference            **AOL 303SA-A**

Based on technical checks carried out by the Department for Traffic Engineering of the Federal Waterway and Shipping Office on 6<sup>th</sup> March 2019, it is herewith confirmed that the presented product sample of the above-described light type is in line with the technical light requirements as per the AVV identification specifications dated 26<sup>th</sup> August 2015 (BAnz AT 1<sup>st</sup> September 2015 B4, dated 1<sup>st</sup> September 2015) and the standards and recommendations of annex 14, volume I, tables 6.1 and 6.3, edition 6, July 2013 of the Chicago Treaty. The results of the technical light check have been documented as part of inspection report LS211 dated 10<sup>th</sup> April 2019.

The type of light may, subject to changes to the stated requirements, and whilst adhering to possible stipulations based on the inspection report, be utilised for the purpose of identifying aviation obstacles.

Coblenz, 15<sup>th</sup> April 2019

[Circular stamp with insignia:  
WSV Department for Traffic  
Engineering  
AT WSA Coblenz  
1]

[Signature]  
(Polschinski)

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, 27<sup>th</sup> June 2019



*Certified translation from German, page 1 of 1*

FEDERAL WATERWAY AND SHIPPING OFFICE  
WSV Department for Traffic Engineering



**Certificate**

**in accordance with no. 28 of the general administrative order  
concerning the identification of aviation obstacles (AVV identification) to be presented  
to the responsible licensing authority in accordance with the Air Traffic Act**

Type of light	Hazard beacon <i>Medium intensity type B</i>
Manufacturer	<b>Hochspannungs-Lichttechnik Bernd Ballaschk GmbH</b> <b>Willischzaweg 48</b> <b>D-03096 Burg/Spreewald</b>
Type reference	<b>AOL 303SA-B/C</b>

Based on technical checks carried out by the Department for Traffic Engineering of the Federal Waterway and Shipping Office on 6<sup>th</sup> March 2019, it is herewith confirmed that the presented product sample of the above-described light type is in line with the technical light requirements as per the AVV identification specifications dated 26<sup>th</sup> August 2015 (BANz AT 1<sup>st</sup> September 2015 B4, dated 1<sup>st</sup> September 2015) and the standards and recommendations of annex 14, volume I, tables 6.1 and 6.3, edition 6, July 2013 of the Chicago Treaty. The results of the technical light check have been documented as part of inspection report LS210 dated 4<sup>th</sup> April 2019.

The type of light may, subject to changes to the stated requirements, and whilst adhering to possible stipulations based on the inspection report, be utilised for the purpose of identifying aviation obstacles.

Coblenz, 15<sup>th</sup> April 2019

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