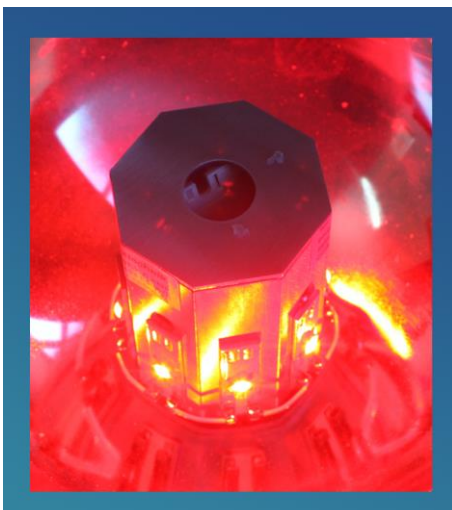


LED – illuminant insert for SIEMENS obstruction light 5NQ3501-0A



Technical data

Type	SIEMENS 5NQ3501-LED insert-E27
Lamp	high performance LED aviation red
Base	base E27
Supply voltage	200-240V / AC, 50/ 60Hz 90-132V / AC, 50/ 60Hz 5-36V / DC 36-72V / DC
Power consumption	approx. 8 W
Luminous intensity effective	>10 cd red horizontal 360°, steady light
Average service life of LEDs Average service life of electronic ballast	> 100.000 hours > 50.000 hours
Over-voltage protection	integrated in LED insert
Range of temperature	- 30°C to + 60°C
Housing	aluminum with protective coating
Optics	integrated in LEDs
Degree of protection	IP 20
Dimensions (without base)	amplitude: 65mm height: 100mm
Weight	approx. 0.2 kg
Mechanical stress	vibration-resistant
Specification	CE-certified, approved by the German Federal Ministry of Transport
Design	one-level
Accessories	- alarm relay and changeover relay - self-control heating

The required supply voltage has to be stated
when ordering.

The LED insert is also available with
external electronic ballast.

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)

/LOGO/

WSV.de

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: *Obstacle light*
Low Intensity, Type A

Manufacturer: Hochspannungs-Lichttechnik
Bernd Ballaschk GmbH
Willischzaweg 48
D-03096 Burg/Spreewald (Germany)

Classification: **SIEMENS 5NQ3501-LED insert-E27**

Based on the technical inspection by the *Fachstelle der Wasser- und Schifffahrtsverwaltung fuer Verkehrstechniken* (see letterhead for translation) conducted on 09 June 2010 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 24 April 2007 (BAnz (Federal Law Gazette) No. 81 dated 28 April 2007, p. 4471) and the photometric standards and recommendations pursuant to ICAO Annex 14, 4th edition.

This certificate shall be valid only if presented with the attached test record.

Subject to any amendments in respect to the above requirements and in compliance with any specifications resulting from the test record, this lamp type can be used to mark and light obstacles to air navigation.

Koblenz, this 23rd day of June 2010

/OFFICIAL SEAL/

/German original signed/
(Streng)

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

Berlin, 19 October 2011

