

TYPE CERTIFICATE



Registration number 13.906.955

issued by Product Certification Body No. 3084, accredited by the Czech Accreditation Institute in accordance with ČSN EN ISO/IEC 17065:2013 for the manufacturer:

**ROBE lighting s.r.o.
Házovice 2090**

**CZ - 756 61 Rožnov pod Radhoštěm
Company Registration No.: 64088791**

for the product:

Name: **Control unit + Lighting equipment**
Type and modification: **ASD 100, modification: SubDrive 1, SubDrive 1/W
ASD 480, modification: SubDrive 4, SubDrive 4/W
ASB 24, modification: ArcSource Submersible II***
(*means different types and combinations of LED colors, different angles of optics)
Place of the production: **Palackého 416, CZ - 757 01 Valašské Meziříčí**

at which the certification has been conducted pursuant to certification scheme SCH3 – based on ISO/IEC 17067, scheme 3 and in accordance with TÜV SÜD Czech certification system. The results are stated in Evaluation report file No. 13.907.031 from 02.09.2021.

The product type mentioned above fulfils the applicable requirements of the following regulations/standards which were the basis for its evaluation:

**Government Decree No. 117/2016 Coll. (Directive 2014/30/EU),
Government Decree No. 118/2016 Coll. (Directive 2014/35/EU),
ČSN EN 60598-1 ed.6:2015+Opr.1:2017+A1:2018 (idt. EN 60598-1),
ČSN EN 60598-2-1:2021 (idt. IEC 60598-2-1), ČSN EN 60598-2-18:1996
+A1:2012 (idt. EN 60598-2-18), ČSN EN 61347-1 ed.3:2015+A1:2021
(idt. IEC 61347-1), ČSN EN 61347-2-13 ed.2:2015+A1:2017
(idt. IEC 61347-2-13), ČSN EN 55032 ed.2:2017+opr.1+A11+A1
(idt. CISPR 32:2015), ČSN EN 55103-2 ed.2:2010+Z1:2012 (idt. EN 55103-2),
ČSN EN 61000-3-2 ed.5:2019 (idt. IEC 61000-3-2), ČSN EN 61000-3-3
ed.3:2014+A1:2019 (idt. IEC 61000-3-3), ČSN EN 62471:2009 (idt. IEC 62471).**

This certificate is valid till: **30.09.2026**

Details and validity conditions are stated in the annex which forms an integral part of this Certificate and contains 1 page.

This certificate is issued on the basis of voluntary certification, and it does not substitute outputs of the authorized or notified body.

Prague, 30.09.2021



Head of the certification body



1. The product specimen was entered for evaluation and type certification on 29.06.2021.
2. The Certificate was issued on the basis of the documents provided by the client:
 - Purchase order from 09.06.2021
 - Application for certification from 09.06.2021
 - Production and accompanying technical documentation
3. The assessment of factory production control was performed at the product manufacturer concentrating on elements ensuring the continuation of product conformity with certification requirements.
4. Detailed technical data characterizing the product type:

Name:	Power supply and control unit for ASB 24	
Type:	ASD 100	ASD 480
Modification:	SubDrive 1, SubDrive 1/W	SubDrive 4, SubDrive 4/W
Power voltage:	100–277 V	
Frequency:	50/60 Hz	
Output voltage for LED:	24 V DC	
Output power per channel max:	100 W	
Number of outputs:	1	8
Power consumption max:	110 W	440 W
IP Code:	IP 67	IP 67
Operating temperature range:	-20 °C / +40 °C (-4 °F / +104 °F)	
Protect class:	I	

Name:	Lighting equipment	
Type:	ASB 24	
Modification:	ArcSource Submersible II* (*means different types and combinations of LED colours, different angles of optics)	
Power voltage:	24 V DC	
Power consumption max:	100 W	
IP Code:	IP68	
Max ambient temperature:	45 °C	
Max operating temperature:	55 °C	
Protect class:	I	
Light source:	6 x 15 W Multichip LED	
Control / connection:	SubDrive 1, SubDrive 4	



5. List of important parts of the technical documentation:
 - Is stated in the Evaluation report No. 13.907.031 from 02.09.2021.
6. Validity Conditions
 - The certificate shall apply only to its holder and products and production places mentioned therein.
 - The transfer of the certificate by its owner to third parties is inadmissible as well as the use of certificate by third parties.
 - TÜV SÜD Czech shall be notified forthwith of any product modifications compared to the certified specimen. This fact may cause the certificate continuation dependent on an additional conformity evaluation.
 - TÜV SÜD Czech shall supervise the proper functioning of the Quality System at the manufacturer within a period of once a year on the basis of a concluded contract about the controlling activity.
 - The certificate can be renewed on request.
 - The certificate shall only be reproduced complete including all the annexes.
 - The right to use TÜV SÜD Czech certification mark was not established to the certificate.
 - The certificate holder commits to keep records of all the relevant complaints concerning the conformity of the products with the requirements of regulations and standards and make those records available to the certification body TÜV SÜD Czech.
 - Not specified items (advertising, use of certification mark and certificates) are governed by the General Conditions for Product Certification, as amended.