



Date: 20.08.2025

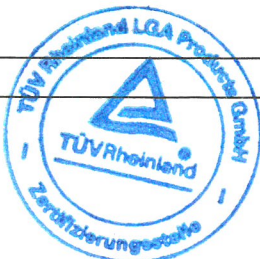
CERTIFICATE OF COMPLIANCE

This certificate of compliance validates the following			
TEST REPORT NUMBER 'Assessment Reports' are not acceptable	Cover page: DE25HVCX 001 Referenced reports: 60366162 007 60366162 005	CERTIFICATE NUMBER	UY 60183795 0001
DATE OF ISSUE	26.05.2025	DATE OF ISSUE	20.08.2025
DATE OF EXPIRY	Not applicable	DATE OF EXPIRY	19.08.2027
Manufacturer details			
NAME OF FACTORY / MANUFACTURER	Digital Elektronik GmbH	NAME OF THE BRAND	Zumtobel Lighting GmbH
FACTORY ADDRESS / REGION (STREET / TOWN / CITY / COUNTRY)	Werk Tamsweg Johann-Kopfmüller-Str. 6 5580 Tamsweg Austria	MODEL / NO	Controller nBox S Controller nBox L
WEBSITE	Factory: www.de.at Brand name owner: www.zumtobel.com	LOGO ON THE PRODUCT	
TEL	Brand name owner: Tel: + 43 5572 390-0 Fax: +43 5572 22826	EMAIL	Brand name owner: info@zumtobel.info

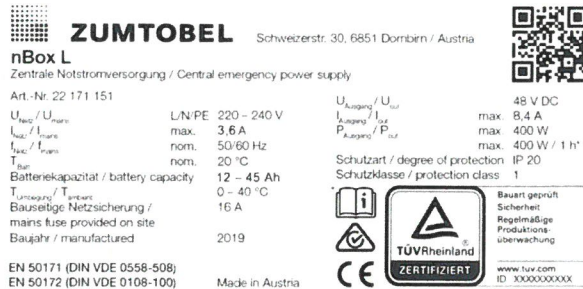




Product Details From Test Report		Reference Test Report page NO	
DESCRIPTION OF THE PRODUCT (TECHNICAL DETAILS FROM TEST REPORT, SUCH AS ACTUAL FIRE RATINGS/DIMENSIONS/THICKNESS/ SENSITIVITY ETC)	Power Supply System for Central Emergency Lighting Systems	1, 3, 5-6	
	General product information:		
	Model Identification:		
	nBox S Art.-Nr. 22 171 150		
	Powered over mains:		220 - 240 V, 50/60 Hz, fused 16A
	Output voltage:		48V DC
	Output power:		Max. 200W
	Output current:		Max. 4,2 A
	Main station 1200mm high, IP20, Ta: 0-40 °C		
Model Identification:			
nBox L Art.-Nr. 22 171 151			
Powered over mains:	220 - 240 V, 50/60 Hz, fused 16A		
Output voltage:	48V DC		
Output power:	Max. 400W		
Output current:	Max. 8,4 A		
Main station 1200mm high, IP20, Ta: 0-40 °C			
(Details given in reference reports 60366162 005 and 60366162 007)			
Systems consist of the following components:			
AC Module “nBox ACM” Art.-Nr. 59 010 949			
mains voltage Module			
Fuses 1,6A			
Status LED for different options			
Switch for normal operation / battery operation			
Battery charger “nBox L PSU” Art.-Nr. 59 010 951			
Battery charger			
Control and switch gear for battery operation			
Powered by nBox ACM (220-240V AC)			
Output 48V DC			
Battery charger “nBox S PSU” Art.-Nr. 59 010 950 (for nBox S)			
Battery charger			
Control and switch gear for battery operation			
Powered by nBox ACM (220-240V AC)			
Output 48V DC			
Central Unit “nBox MBC” Art.-Nr. 59 010 953			
Output module for emergency luminaires			
Communication with remote (application on smartphone)			
Powered by control and switch gear (48V DC)			





	Communication module "nBox OCM ELP 48V" Art.-Nr. 22 171 152 Communication between output module and battery charger Powered by control and switch gear (48V DC) Powerline Resistor "nBox TR" Art.-Nr. 22 171 417 Powerline Termination Resistor Example for marking plate:  For the product additionally a type approval mark exists at the time of the certification (cert. no.R 60151547 0001-0004 with ID 1111228841) 	
TEST STANDARD (SUCH AS ASTM/BS EN/ DN ETC)	EN 50171:2021 (This European standard specifies the requirements for central power supply systems) EN IEC 61439-1:2021 (additional standard used for basic safety evaluation)	1, 4
TEST DESCRIPTION	Reference is given in report 60366162 005 with e.g. following tests: - Types of central safety power supply systems 4.1 - 4.2; 4.4 - 4.5 - Operating conditions and requirements 5.1 and 5.2 - General requirements 6.1 - Structure of enclosures 6.2 - Battery chargers and rectifiers 6.3 - Transformers 6.4 - Switchgear and controlgear 6.5 - Deep discharge protection 6.7 - Monitoring and display equipment 6.8 - Fuses, protective devices and measuring instruments 6.9 - Internal wiring 6.10 - Electric strength 6.11 - Test systems 6.12	7-28



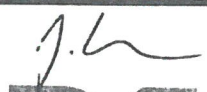


	- Equipment marking 6.14 - Warning labels 6.15 - Information for installation and operation of central safety power supply systems 7.1, 7.2, 7.3 , 7.4 - Tests 8.1, 8.2	
SPECIFICATION OF TEST SPECIMEN	Central Power Supply System (CPS) for Central Emergency Lighting Systems.	1
TEST RESULT (SUCH AS PASSED CRITERIA___/ COMPLIED TO___/ DURATION___OBSERVATION___/ETC)	The product has passed EN 50171:2021 and EN IEC 61439-1:2021 Conditions of acceptance: (Reference is given in report 60366162 005) The batteries are not part of this certification. It is specified in the user manual what kind of batteries should be used with the system. The complete functional safety of the systems is not evaluated. The device was only checked of communication errors in the bus system. The failure conditions are described in the end of the report. Bugs in the software system are not evaluated. Chapter 6.13: Batteries shall be evaluated in the final installation and the suitability of Batteries shall be checked in accordance to this section in end installation. Chapter 8.2: After completion and mounting of the central power supply system the erector shall carry out tests in accordance with the local and national regulations. A description of the relevant tests is given in the user manual.	1, 4, 6 6, 19, 25
PRODUCT APPLICATION GUIDELINE (END USE) (CLEARLY STATE THE END USE WITH SPECIFIC APPLICATION, SUCH AS EXACT FIRE RATING/TO BE INSTALLED IN___/TO BE INSTALLED AT___/TO BE CONNECTED WITH___/TO BE INSTALLED WITH___ ETC ALONG WITH ANY WARNINGS SUCH AS NOT TO BE USED IN___/NOT TO BE INSTALLED AT___/ NOT TO BE INSTALLED WITH___ ETC.	Installation instructions give information about mounting and installation, technical data and safety instructions. These instructions are intended for electricians. Assembly, installation and commissioning may only be carried out by qualified personnel.	`Manual Sheet`





Laboratory and Certification body details			
NAME OF CERTIFICATION BODY	TUV Rheinland LGA Products GmbH	NAME OF TEST FACILITY	TUV Rheinland LGA Products GmbH
CERTIFICATION BODY ADDRESS / REGION (STREET / TOWN / CITY / COUNTRY)	Tillystraße 2, 90431, Nuremberg, Germany	TEST FACILITY ADDRESS / REGION (STREET / TOWN / CITY / COUNTRY)	Am Grauen Stein 29 51105 Cologne, Germany
WEBSITE	www.tuv.com	WEBSITE	www.tuv.com
TEL	+49 911 655 5225	TEL	+49 911 655 5225
EMAIL	service@de.tuv.com	EMAIL	service@de.tuv.com
ACCREDITED BY (NAME OF ACCREDITATION BODY WHICH ISSUED ACCREDITATION TO THE CERTIFICATION BODY, ALONG WITH WEBSITE)	DAkkS – Deutsche Akkreditierungsstelle	ACCREDITED BY (NAME OF ACCREDITATION BODY WHICH ISSUED ACCREDITATION TO THE LABORATORY, ALONG WITH WEBSITE)	DAkkS – Deutsche Akkreditierungsstelle
AS PER (STANDARD TO WHICH THE CERTIFICATION BODY IS ACCREDITED TO)	DIN EN ISO/IEC 17065:2013	AS PER (STANDARD TO WHICH YOUR ORGANIZATION IS ACCREDITED TO)	DIN EN ISO/IEC 17025:2017
VALIDITY (EXPIRY DATE OF CERTIFICATION BODY ACCREDITATION)	unlimited	VALIDITY (EXPIRY DATE OF LABORATORY ACCREDITATION)	unlimited
REFERENCE NUMBER: (CERTIFICATION BODY ACCREDITATION REFERENCE NUMBER TO VERIFY ON THE ACCREDITOR'S WEBSITE)	D-ZE-14169-01-04 Issued 08.02.2022	REFERENCE NUMBER: (THE LABORATORY ACCREDITATION REFERENCE NUMBER TO VERIFY ON THE ACCREDITOR'S WEBSITE)	D-PL-14169-03-01 Issued 19.03.2019
CERTIFICATION MARK	TÜV company mark: 		

(ENDORSEMENT) TO BE SIGNED BY MANUFACTURER			
NAME OF MANUFACTURER'S SIGNATORY	Digital Elektronik GmbH Werk Tamsweg Mr. Johannes Auer	SIGNATURE	
EMAIL / TEL	johannes.auer@de.at +43 6246 8966	FACTORY OFFICIAL SEAL	
NOTES: I Undertake that all data and information provided are genuine and accurate A-5083 St. Leonhard/Salzburg - www.de.at Berchtesganner Str. 10 - Tel. +43 (0)6246 8966			

(ENDORSEMENT) TO BE SIGNED BY CERTIFICATION BODY			
NAME OF CERTIFICATION BODY SIGNATORY	TÜV Rheinland LGA Products GmbH Mr. Bernd Pösl	SIGNATURE	
EMAIL / TEL	service@de.tuv.com +49 911 655 5225	CERTIFICATION BODY OFFICIAL SEAL	
NOTES: I Undertake that all data and information provided are genuine and accurate			