

TÜRASAS ESKİŞEHİR REGIONAL DIRECTORATE	TECHNICAL DATA	T.B.6629			
		REVISION	E		
		DATE	08.05.2026		
		SIGNATURE			
SUBJECT		Machinery Room Lamps			
REFERENCE		E5000 Type National Electric Mainline Locomotive			

1. SUBJECT

This Technical Data includes the minimum requirements of the machinery room lamps for E5000 Type National Electric Mainline Locomotive.

2. GENERAL REQUIREMENTS

2.1.The product shall comply with the standards of EN 61373 and EN 45545-2 (OC3 - HL2). An accredited laboratory or NoBo approved certificate of conformity for the requested standards shall be given with the delivery of the product.

2.2.The Bidders shall submit type test/routine test reports of the lamp with the bid.

2.3.The Bidders shall submit the document containing technical information of the lamp, wiring diagram with interface described in detail (connector types, pin assignments, etc.), dimensions of the lamp and 3D CAD/step file of the lamp with the bid.

2.4.The Bidders shall provide spare parts supply for 10 (ten) years.

2.5.All parts used specifically for the supplied product/equipment will be delivered to the Administration together with the bid, in a list (product tree) (all spare parts required for 1 locomotive with part numbers and price information). If the Administration determines that the list is insufficient, the Contractor will re-prepare the list in the format requested by the Administration. This process will continue until the final document is obtained.

2.6.The Contractor shall submit the document containing numbered list of all parts of the product with exploded pictures at the product delivery.

2.7.The works to be carried out by the Contractor within the scope of RAMS are given in ANNEX -1: TŞ.400133 E5000 RAMS Requirements Specification and its relevant annexes.

3. TECHNICAL SPECIFICATIONS

3.1.Machinery room lamp shall provide the following technical specifications:

-Nominal Operating Voltage: 24V DC (18 – 32 V DC)

-Led Color and Type: White LED

-Luminous Intensity@1m: 220 lux ± 10% (24V DC)

-Power: Max 12 Watt

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3.2.The lamp shall end with plug (connector). The counter part of the connector shall also be provided by the Contractor. The cable length shall be 500 mm.

3.3.All components (mechanical and electrical interfaces) for the manufacture and installation of the lamp shall be provided by the Contractor.

3.4.The lamp shall be able to operate under T3 temperature and ambient conditions according to EN 50125-1 standard.

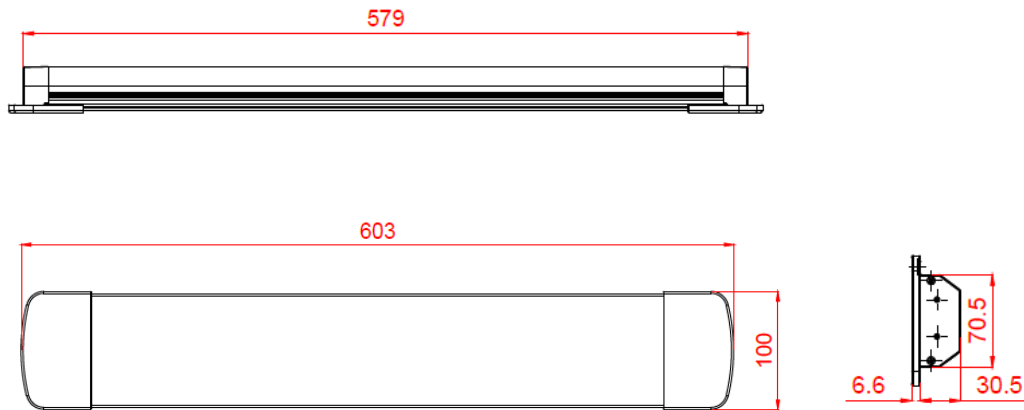
3.5.The product shall provide the dimensions specified in this Technical Data. The offered products will be evaluated in terms of mechanical assembly and the unsuitable products will be rejected.

4. GUARANTEE

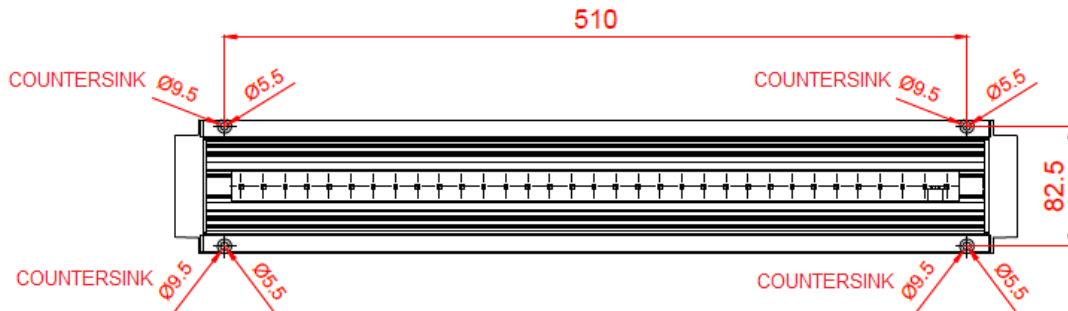
The product shall have 24 (twenty-four) months guarantee.

5. ANNEXES

ANNEX -1: TŞ.400133 E5000 RAMS Requirements Specification (ANNEX-1 and ANNEX-14)



Mounting Dimensions:



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