



- Floodlight for helideck landing areas
- For use in hazardous areas
- Floodlighting
- Rugged and low profile floodlight made from marine proofed aluminium
- Sealed for life
- Simple to install and maintain
- Light module is maintenance free
- Proven degree of protection
- Resistant to vibrations
- Complies with: ICAO Annex 14 Vol. II; NORSOK C-004 201

**E6**

WebCode **T9970A**



Luminaires designed and manufactured by Tranberg are intended for use in rough environments, and to meet applicable international standards. The new LED floodlight TEF 9970 by Tranberg sets a new standard in the industry as it has a wider operating temperature range, along with several new features.

The LED light source provides a hugely longer lifetime expectancy than xenon light bulbs, while the special designed optics ensure an ideal coverage of the helideck surface without giving glare to pilots in the critical landing process. As an option, a dimming functionality may be installed, which reduces light output to 50% when and if required.

The operating voltage span is wide, and absorbs voltage variances and spikes without resulting in flickering or changes in light output. The innovative design is also great news for service and maintenance personnel, as it is a sealed unit which requires no inspection of traditional flame paths. Helideck equipment manufactured by Tranberg is delivered to offshore installations, oil tankers and supply ships, hotels and hospitals landing areas all over the world.

	ATEX / IECEx					
Zone	0	1	2	20	21	22
Installation in		•	•			

Selection Table				
Product Description	Helideck LED floodlight			
Light distribution	Product Type	Art. No.	PS	
Medium-beam	TEF9970200	262996	70	
Narrow-beam	TEF9970300	262997	70	
Wide beam	TEF9970100	251936	99	

Technical Data	
Explosion Protection	
Ambient temperature °C	-55 ... +40 °C
Gas explosion protection IECEx	Ex db eb op is IIB+H2 T5 Gb
Gas explosion protection ATEX	⊕ II 2 G Ex db eb op is IIB+H2 T5 Gb
Ambient temperature °C 2	-55 ... +55 °C
Gas explosion protection IECEx 2	Ex db eb op is IIB+H2 T4 Gb
Gas explosion protection ATEX 2	⊕ II 2 G Ex db eb op is IIB+H2 T4 Gb

## Technical Data

Electrical Data	
Rated operational voltage AC	100 – 277 V
Rated operational voltage DC	145 – 380 V
Rated operational current	0.7 A
Frequency range	50 – 60 Hz
Lamp wattage	45 W
Ambient Conditions	
Service temperature min.	-40 °C
Service temperature max.	+55 °C
Lighting Data	
Lamp	LED
Luminaire efficacy	68 lm/W
Luminous flux	3100 lm
Colour temperature	4000 K
Mechanical Data	
Degree of protection IP (IEC 60529)	IP66
Enclosure material	Salt water-resistant, Powder-coated
Lens material	Borosilicate glass
Mounting	With bracket
Mounting / Installation	
Mounting type	1.4404 stainless steel holder
Components	
Drilled holes	2 x M25
Screw connections	2 x M25 Ø 11 – 21.1 mm
Material of screw connections	Stainless steel
Stopping plug	Can be ordered as accessories

## Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations

