
**Aircraft — LED based taxiing
lightsystem — General requirements**

*Aéronefs — Système de lumière de roulage à base de LED —
Exigences générales*

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Published in Switzerland

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Foreword

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This document was prepared by Technical Committee ISO/TC 20, *Aircraft and space vehicles*, Subcommittee SC 1, *Aerospace electrical requirements*.

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Introduction

This document is the standard of the LED (Light Emitting Diode) Taxi and RTO lights (Runway Turnoff Lights) for aerospace.

LEDs are attractive to users because of their lower power consumption and reduced maintenance efforts as well as their long operating life. However, Taxi and RTO lights require their light source to provide not only a large amount of luminous flux, but also high luminous intensity. Since recent LEDs achieve high luminous intensity, LEDs have come to be adopted as light sources of Taxi and RTO lights.

This document intends to establish a functional requirement set for modern Taxi and RTO lights which adopt LEDs as the light source.

In addition, this document is applied not only to the LED light source, but it can be applied also to other new light sources appearing in the future.

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