IEC PAS 63421

Edition 1.0 2022-03

PUBLICLY AVAILABLE SPECIFICATION

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Zhaga Interface Specification Book 18 including Book 1 – Outdoor Luminaire Extension Interface

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ZHAGA INTERFACE SPECIFICATION BOOK 18 INCLUDING BOOK 1 – OUTDOOR LUMINAIRE EXTENSION INTERFACE

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INTRODUCTION

This PAS is a reproduction of Zhaga Book 1 Edition 1.9 and Book 18 Edition 2.0 with no change introduced.

The document layout, terms, and definitions, etc within this PAS therefore do not follow the IEC drafting rules that would be applied for an International Standard.

Section 1 comprises Zhaga Book 18 Edition 2.0 – Outdoor Luminaire Extension Interface.

Section 2 comprises Zhaga Book 1 Edition 1.9 – Overview and common information.

Zhaga Book 1 is essential to the interpretation of Zhaga Book 18 (and other Zhaga books).

The intention is for the content of this PAS to be incorporated within one or more International Standards following the IEC Directives and drafting rules.

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Section 1

Zhaga Interface Specification Book 18

Summary (informative)

Background

Zhaga is a global association of lighting companies that is standardizing interfaces of components of LED luminaires, including LED light engines, LED modules, LED arrays, holders, electronic control gears (LED drivers), sensors, communication modules and connectivity fit systems. This helps to streamline the LED lighting supply chain, and to simplify LED luminaire design and manufacturing. Zhaga continues to develop specifications based on the inter-related themes of interoperable components, smart and connected lighting, and serviceable luminaires.

Contents

This Book 18 defines a standardized interface between a LED Luminaire and a sensing/communication module (Luminaire Extension Module, LEX-M) that can be attached to the Luminaire. The interface is intended to be used in outdoor applications with high IP rating. The LEX-M may provide for example sensory inputs to the Luminaire or communication between the Luminaire and a network.

This Book should be read together with Zhaga Book 1.

Intended Use

The Luminaire Extension Module, Luminaire Extension Cap and Luminaire Extension Receptacle defined in this Book 18 are intended to be installed and replaced by professionals only.

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