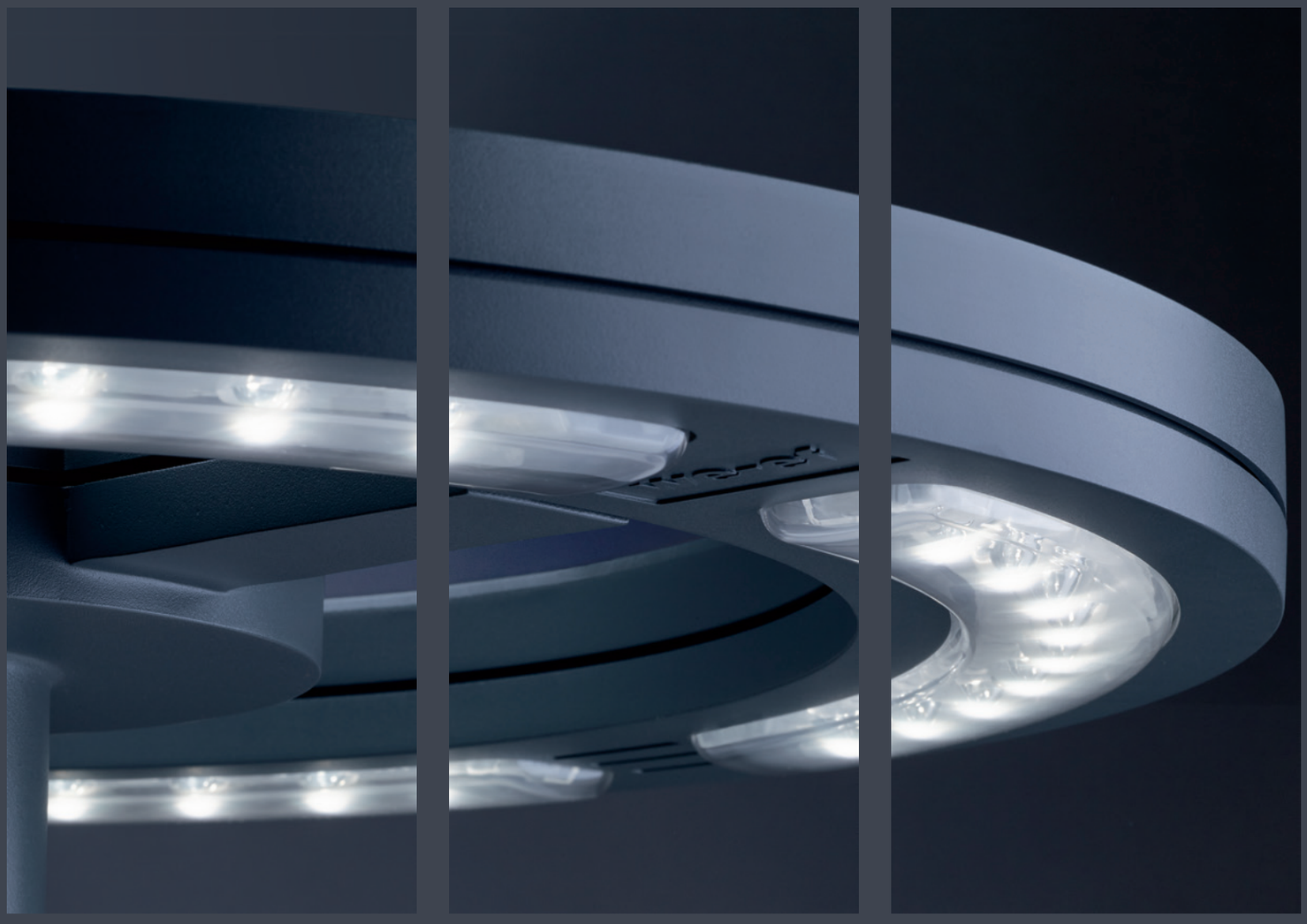
we-ef

WE-EF LEUCHTEN
General Catalogue
European Edition
2016 – 2018



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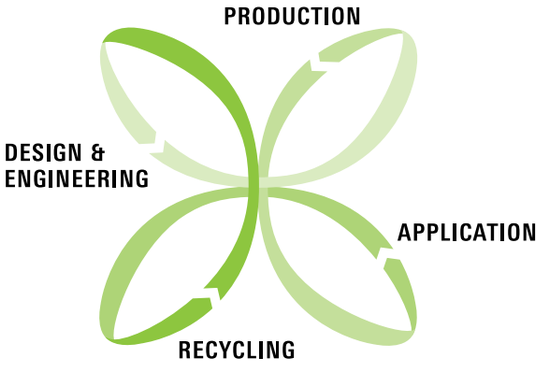
THE INTELLIGENCE OF LIGHT®



Design and Engineering

The most important element in the design process is the development of luminaires that encompass timeless design; in other words, design that best reflects their enduring qualities.

In addition, state-of-the-art engineering brings with it the highest standards with regard to environmentally-friendly materials and processes, i.e., high IP ratings, excellent thermal management and innovative optical systems. The development of high-end, efficient reflectors and lenses is one of the core competencies of WE-EF. This means compliance with international lighting and safety norms, while meeting the criteria of such organisations as the Dark Sky Society. Continual investment in research and development is the basic condition for meeting these requirements. WE-EF innovations, such as IOS® Innovative Optical Systems, CTA® Cool Touch Adaptor, ASC Anti Slip Coating and OLC® One LED Concept, are just some examples of the company's continuing investment in technology.

The most significant WE-EF contribution to protecting the environment is the creation of products that are engineered to endure, essentially minimising the need to replace or recycle them for many years.

Production

'Made by WE-EF' is more than just an expression; the high quality level of in-house production processes includes:

- Tooling for HPDC and injection moulding
- Aluminium high-pressure die-casting
- CNC machining
- Powdercoating
- Pole manufacturing
- Assembly

Through continual investment in tooling, production processes and the ongoing education of our employees, we are able to achieve the highest standards of quality. In exterior lighting, the corrosion resistance qualities of a product are important for their reliability and longevity. A durable and reliable corrosion protection can only be achieved when Product Development and the Production Processes are considered together. Years of research, development and practical testing and experience in some of the harshest climates on earth has resulted in WE-EF's unique 5CE corrosion protection system. It encompasses five critical elements; Material, Conversion Coating, Powder Coating, PCS Polymer Coated Stainless Hardware and Process Control.
Only complete systems such as 5CE can provide reliability and longevity in exterior environments.

Application

Real and sustainable cost and energy savings can only be achieved through professional project planning, including the application of the latest optical systems and light sources. In streetlighting applications, for example, this means minimising the number of luminaires required by optimising the efficiency of the optical system, while at the same time limiting glare in line with international standards. In short, reduced installation and maintenance costs, less CO_2 and improved quality of light.

Recycling

More than 90 per cent of a WE-EF luminaire can be recycled. The main component, a marine-grade aluminium substrate, is refined from recycled aluminium. This recycled aluminium is also an 'energy storer'. Only 5 per cent of the original energy needed to process bauxite into aluminium is required for recycling. In other words, 95 per cent of the original energy input is also recycled.

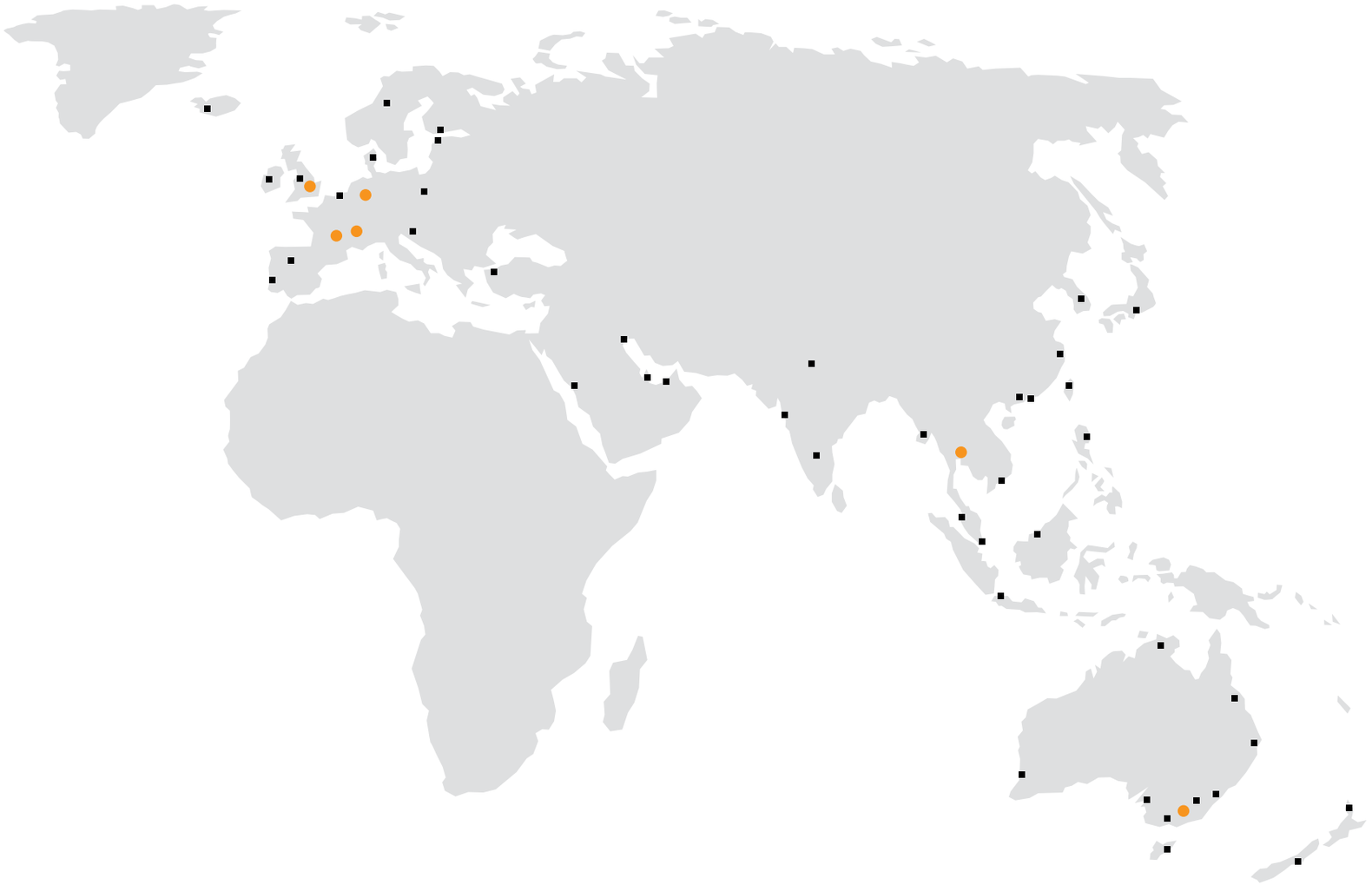
Worldwide performance

With its in-depth understanding of regional practises and environmental standards, WE-EF provides architects, lighting designers and project consultants with comprehensive support for architectural and urban lighting projects.

Established more than 65 years ago in Germany, the WE-EF Group now comprises seven companies worldwide - each fully supported by an extensive network of regional distributors and agents.

● WE-EF group worldwide

WE-EF LEUCHTEN Germany
WE-EF LIGHTING United Kingdom
WE-EF LUMIERE France
WE-EF HELVETICA Switzerland
WE-EF LIGHTING United States of America
WE-EF LIGHTING Thailand
WE-EF LIGHTING Australia



EFC100 **20**

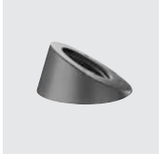
VLR100 **78**

Luminaires and accessories

Underwater floodlights

ULC200 14

Inground luminaires



ESC100 22

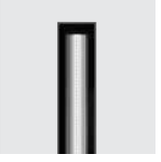
ETC100 24

ETC100 28

ETC100-GB 30

ETC300-GB 34

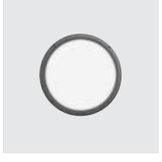
ETC300 36



ETV100 38

ETR100 42

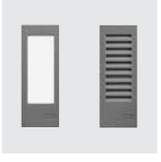
Wall luminaires recessed



TRO200 56

STO/STL/SVL100 58

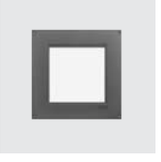
STI / STF100 60



SVO / SVL200 62

STO / STL200 64

STI200 66



QRO300 68

QRI300 70

Wall luminaires surface mounted

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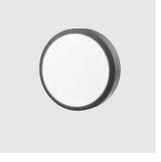
VLS400 90

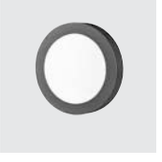
SLS400 94

OLV300 98

PIA200 106



DLO / DLG200 110



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Ceiling luminaires

DOC200-GB 116

DOC200 120

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Luminaires and accessories

Bollards and pathway luminaires

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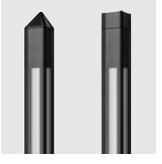
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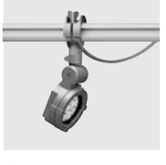
FLC100 268

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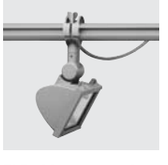
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Luminaires and accessories

Projectors

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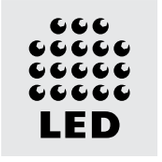

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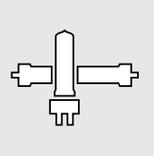

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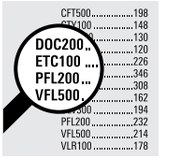

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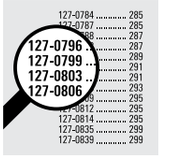

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