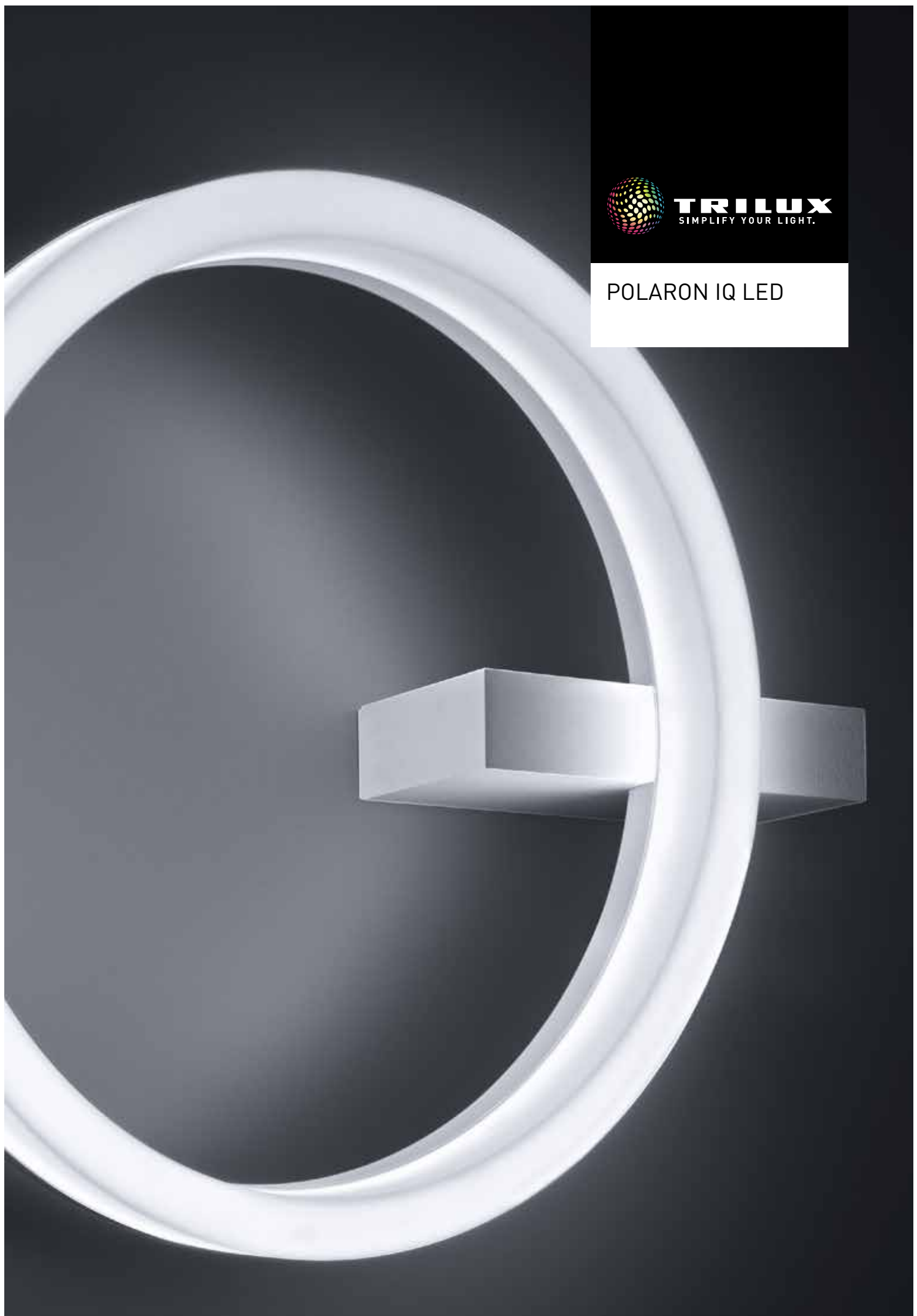


TRILUX
SIMPLIFY YOUR LIGHT.

POLARON IQ LED





POLARON IQ

PERFECT DESIGN FOR
MAXIMUM OPTIONS



SIEGER DESIGN

INTERVIEW WITH
MICHAEL SIEGER



Michael Sieger

Managing Director and Designer

Michael Sieger, the creative head of sieger design, developed an absolute passion for the design profession as early as his school days. To develop brand concepts and products with unique features and significantly aligned to success is the fundamental principle of his work for partners such as TRILUX, Dornbracht and Lamy. The designer together with his brother Christian has managed the family-owned company of sieger design since 2003, now in its second generation. They founded their brand of SIEGER in 2005.

Permitting new features and appreciating the reliable ones: what's the idea behind Polaron IQ? And what's the difference to the Polaron?

The inspiration for the Polaron was the pantheon in Rome – daylight penetrates through a ring-shaped opening at a great height and completely illuminates the wonderful, spherical architecture. The light itself is like a pre-designed, visual performance. Based on this, a reduction to what was essential and elemental, i.e. the light itself, was the primary style feature of the concept – with the aim of freeing up the immaterial lightness from the innate heaviness of the form.

We went a step further for the Polaron IQ and updated the form and lightness and a filigree touch was a main focus of our concept. Modern LED technology enables a significant reduction of the volume and also the customised modification of the light sources and luminaire itself. We defined slender, ring-shaped light profiles with two different diameters that come together to form a single luminaire. To highlight the lightness, we also developed two completely new product types: the suspended luminaires and the optically floating luminaire in front of the wall or below the ceiling.

What demands need to be fulfilled today with a good luminaire design?

I see a luminaire design as being successful when it's perfectly matched to the spatial conditions and the lighting tasks resulting from these and also when it combines functionality with emotion to in this way emit a total sense of desire.

In your opinion, which changes will characterise development in the coming years?

LED technology is absolutely central to lighting technology and standard light sources will almost definitely be completely replaced in the mid-term. Modern LEDs also increasingly allow more filigree luminaire constructions – volumes are reduced and the same amount of light or even more is generated with less material. At the same time, the more conscious handling of resources helps to promote more efficient and sustainable products.

Where do you think new approaches in luminaire design can be found at the moment?

Well, the design of our lives is becoming more flexible in all areas, structures are being broken up and there's more focus on our sense of well-being. This is where light has much influence and should be adaptable as far as possible to specific and sometimes very temporary needs – or should even adapt itself.

Light is also changing because of new technologies and materials. It can be formed and controlled both differently and more extensively and it's increasingly developing to become a dynamic, complete experience – this puts the design of lighting effects and the associated levels of emotion in the foreground.



POLARON IQ

ACCENTS AND STRUCTURE



Light can set accents, provides orientation and also structures spaces. According to intensity and colour, relaxing or activating effects can be generated, but these may also trigger discomfort in incorrect doses. Light is vital for life and an almost continuous companion in our daily routines, it relates to our senses on many levels and also supports our well-being.

POLARON IQ

HARMONY AND CONTRAST



Various contrasts can be generated with the interplay of light and shadows – the surroundings become a part of this or are influenced by it and lighting intensity and effect are controlled. Borders can be soft or can be hard and clearly accentuated. Because the possibilities vary and can be combined, many different design options are available.

The inter-play between light and shadow comes to the foreground with the indirect distribution variant. Contrast is accentuated with the covered face end of the light profile and the soft gradation of the light aura is simultaneously emphasised. This variant provides an atmospheric ambience because of its purely lateral light emission.

The light profile of the second variant emits light on three sides and combines direct light from the face end of the profile with a lateral light aura. This creates lighting that actively radiates into the room.

POLARON IQ

PERFECT DESIGN
FOR MAXIMUM
OPTIONS



1



2



The basic element of the Polaron IQ LED family is a filigree, round light profile supplying maximum planning flexibility: Its diversity enables countless combinations in the series – meaning that light and luminaire design can be perfectly modified to the application.

Perfect proportions. A timeless design: The purist design of the Polaron IQ LED is noticeable and yet timeless. The filigree, perfectly proportioned ring blends harmoniously into the interior design.

Simple installation. Simple maintenance: The luminaire can be installed quickly by a single person. Also very simple – the control unit and ring can be subsequently replaced.

Applications

For representative general and supplementary lighting in areas with high architectural appeal such as exhibition spaces, banks, entrance areas, corridors, foyers, hotels and restaurants, public areas and living quarters.

---WD--- Surface-mounted luminaire for ceiling or wall mounting.

Can also be used as a recessed or semi-recessed luminaire with corresponding accessories.

---W--- Surface-mounted luminaire for ceiling and wall mounting with vertical, single-sided fixing.

---H--- for suspended mounting as a single luminaire.

Optical systems

Circular diffuser with distinctly flat contour and finely structured surface.

With mainly direct and indirect light distribution. Shielding via a primary shield. Optional installation housing accessories become additional, enclosing secondary reflectors as optically effective parts of the luminaire.

LED system

Specific parameters for defining LED service life:

L80/B10, service life 50,000 operating hours.

---830--- Colour rendering index Ra > 80, light colour warm white, colour temperature 3000 K.

---840--- Colour rendering index Ra > 80, light colour neutral white, colour temperature 4000 K.

Luminaire body

Luminaire body of die-cast aluminium.

Colour white.

Electrical version

---ET--- With electronic control unit, switchable.

---ETDD--- With electronic control unit, digitally dimmable (DALI).

1

Maximum design flexibility is achieved thanks to two different ring sizes and light emissions, as well as the option of emitting direct and lateral light according to requirements.

2

The ring as the perfect form:

The purist design of the Polaron IQ LED blends into interiors with a timelessly simple elegance.

POLARON IQ

BACK TO THE BASICS



Modern LED technology enables a significant reduction of the volume and also the customised modification of the light sources and luminaire itself. When developing the Polaron IQ, lightness and a filigree touch was a main focus of the concept, with the Polaron IQ being freed from any heaviness in design. The suspended luminaire is the quintessence of a going back to the basics – a luminaire that floats below the ceiling. Power is supplied via fine, double-insulated cables simultaneously serving as luminaire suspensions. A separate connection cable is not required. The light itself becomes the central element of style.

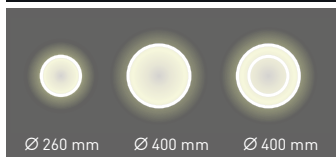
MAXIMUM FLEXIBILITY – CUSTOM-DESIGNED RESULTS

Surface-mounted luminaires

direct light



indirect light



Recessed luminaires

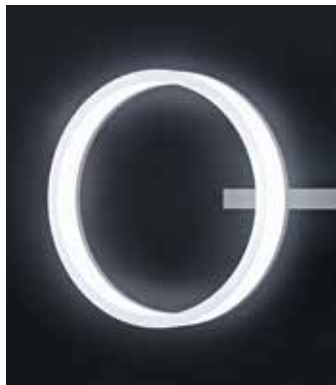
direct light



indirect light



direct light



indirect light

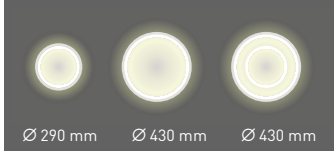


Semi-recessed luminaires

direct light



indirect light



Ø 290 mm Ø 430 mm Ø 430 mm



Ø 290 mm Ø 430 mm Ø 430 mm

Suspended luminaires

direct light



indirect light



Ø 400 mm

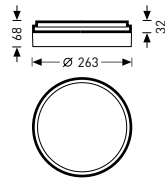


Ø 400 mm

The modular product family supplies maximum design flexibility, e.g. thanks to two different ring sizes and light emissions, as well as the option of direct and lateral light according to requirements. The luminaire is available optionally as a recessed, semi-recessed, surface-mounted or suspended luminaire, with direct/indirect or only indirect light emission and can be installed as a wall or surface mounted luminaire.

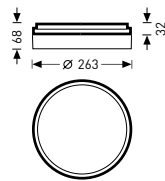
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Round surface-mounted luminaire with small WD1 construction, direct-indirect distribution



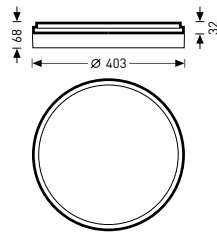
Reference	TOC	Electrical version		Luminaire luminous flux	Connected load	≈ kg
		...ET ...40	...ETDD ...51			
PolaronIQ WD1 LED 1000-830...	63 334...	...40	...51	900 lm	11 W	1.4
PolaronIQ WD1 LED 1000-840...	63 335...	...40	...51	950 lm	11 W	1.4

Round surface-mounted luminaire with small WD1D construction, mainly direct distribution



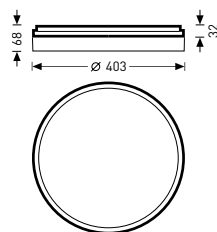
Reference	TOC	Electrical version		Luminaire luminous flux	Connected load	≈ kg
		...ET ...40	...ETDD ...51			
PolaronIQ WD1D LED 1000-830...	63 332...	...40	...51	1000 lm	11 W	1.2
PolaronIQ WD1D LED 1000-840...	63 333...	...40	...51	1050 lm	11 W	1.2

Round surface-mounted luminaire with large WD2 construction, direct-indirect distribution



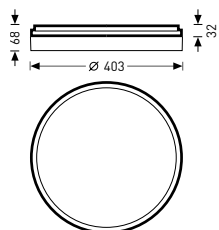
Reference	TOC	Electrical version		Luminaire luminous flux	Connected load	≈ kg
		...ET ...40	...ETDD ...51			
PolaronIQ WD2 LED 2000-830...	63 338...	...40	...51	1700 lm	17 W	3.2
PolaronIQ WD2 LED 2000-840...	63 339...	...40	...51	1800 lm	17 W	3.2

Round surface-mounted luminaire with large WD2D construction, mainly direct distribution



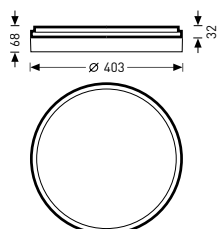
Reference	TOC	Electrical version		Luminaire luminous flux	Connected load	≈ kg
		...ET ...40	...ETDD ...51			
PolaronIQ WD2D LED 2000-830...	63 336...	...40	...51	1900 lm	17 W	3.0
PolaronIQ WD2D LED 2000-840...	63 337...	...40	...51	2000 lm	17 W	3.0

Surface-mounted luminaire, combination of small WD1 & large WD2 construction, direct-indirect distribution



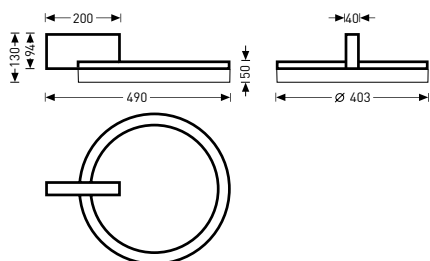
Reference	TOC	Electrical version		Luminaire luminous flux	Connected load	≈ kg
		...ET ...40	...ETDD ...51			
PolaronIQ WD1-2 LED 3000-830...	63 342...	...40	...51	2600 lm	28 W	3.5
PolaronIQ WD1-2 LED 3000-840...	63 343...	...40	...51	2700 lm	28 W	3.5

Surface-mounted luminaire, combination of small WD1D & large WD2D construction, mainly direct distribution



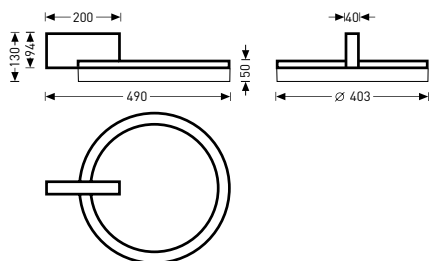
Reference	TOC	Electrical version		Luminaire luminous flux	Connected load	≈ kg
		...ET ...40	...ETDD ...51			
PolaronIQ WD1-2D LED 3000-830...	63 340...	...40	...51	3000 lm	28 W	3.3
PolaronIQ WD1-2D LED 3000-840...	63 341...	...40	...51	3100 lm	28 W	3.3

Round surface-mounted luminaire with large W2 construction, direct-indirect distribution



Reference	TOC	Electrical version		Luminaire luminous flux	Connected load	≈ kg
		...ET ...40	...ETDD ...51			
PolaronIQ W2 LED 2000-830...	63 358...	...40	...51	1800 lm	22 W	2.0
PolaronIQ W2 LED 2000-840...	63 359...	...40	...51	1900 lm	22 W	2.0

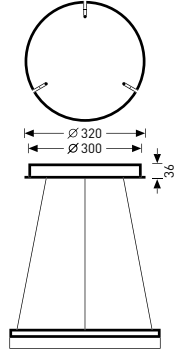
Round surface-mounted luminaire with large W2D construction, mainly direct distribution



Reference	TOC	Electrical version		Luminaire luminous flux	Connected load	≈ kg
		...ET ...40	...ETDD ...51			
PolaronIQ W2D LED 2000-830...	63 356...	...40	...51	2000 lm	22 W	2.0
PolaronIQ W2D LED 2000-840...	63 357...	...40	...51	2100 lm	22 W	2.0

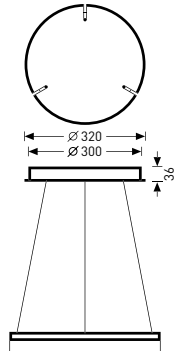
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Suspended luminaire with large construction H2, direct-indirect distribution



Reference	TOC	Electrical version		Luminaire luminous flux	Connected load	≈ kg
		...ET ...40	...ETDD ...51			
PolaronIQ H2 LED 2000-830...	63 346...	...40	...51	1800 lm	22 W	1.3
PolaronIQ H2 LED 2000-840...	63 347...	...40	...51	1900 lm	22 W	1.3

Suspended luminaire with large construction H2D, mainly direct distribution



Reference	TOC	Electrical version		Luminaire luminous flux	Connected load	≈ kg
		...ET ...40	...ETDD ...51			
PolaronIQ H2D LED 2000-830...	63 344...	...40	...51	2000 lm	22 W	1.3
PolaronIQ H2D LED 2000-840...	63 345...	...40	...51	2100 lm	22 W	1.3

Accessories	TOC	Description	≈ kg
PolaronIQ WD1 C1	63 352 00	Mounting housing for round surface-mounted luminaires PolaronIQ WD1/WD1D	1.7
PolaronIQ WD2 C1	63 353 00	Mounting housing for round surface-mounted luminaires PolaronIQ WD2/WD2D and WD1-2/WD1-2D	2.6
PolaronIQ WD1 C	63 354 00	Semi-recessed mounting housing for round surface-mounted luminaires PolaronIQ WD1/WD1D	1.1
PolaronIQ WD2 C	63 355 00	Semi-recessed mounting housing for round surface-mounted luminaires PolaronIQ WD2/WD2D	1.8
PolaronIQ WD2 C1 MP M73	63 722 00	Mounting housing for surface-mounted luminaires PolaronIQ WD2/ WD2D, for modular ceiling 600, with reinforced baseplate	1.8
PolaronIQ WD2 C1 MP M84	63 723 00	Mounting housing for surface-mounted luminaires PolaronIQ WD2/ WD2D, for modular ceiling 625, with reinforced baseplate	4.4
PolaronIQ WD2 C MP M73	63 720 00	Semi-recessed mounting housing for surface-mounted luminaires PolaronIQ WD2/ WD2D and WD1-2/WD1-2D for modular ceiling 600, with reinforced baseplate	3.9
PolaronIQ WD2 C MP M84	63 721 00	Semi-recessed mounting housing for surface-mounted luminaires PolaronIQ WD2/ WD2D and WD1-2/WD1-2D for modular ceiling 625, with reinforced baseplate	4.1

TRILUX GmbH & Co. KG

Heidestraße · D-59759 Arnsberg
Postfach 19 60 · D-59753 Arnsberg
Tel. +49 29 32.3 01-0
Fax +49 29 32.3 01-3 75
sales@trilux.com · www.trilux.com

TRILUX LIGHTING LIMITED

TRILUX HOUSE, Winsford Way
Boreham Interchange
Chelmsford, Essex
CM2 5PD
Tel. +44 12 45.46 34 63
Fax +44 12 45.46 26 46
info.co.uk@trilux.com · www.trilux.com

