



ronder

Many requirements.
One ronder.

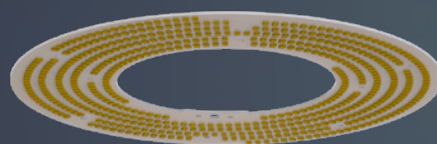
REGIOLUX

Wide range of variants

A luminaire that makes things easier.



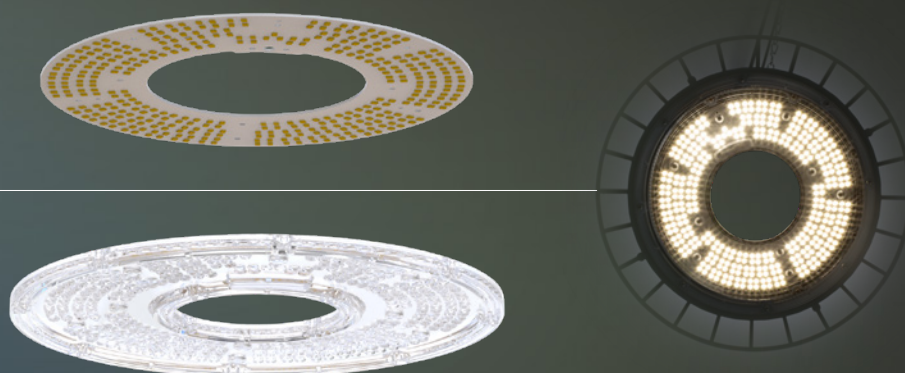
ronder
Ring lens



Maximum flexibility for a wide range of indoor industrial applications

- » **Up to 30,000 lm** – high performance for industry, warehousing and logistics
- » **Ta -30 °C to +60 °C** – suitable for harsh indoor environments.
- » **ETM or DALI D4i** – easy to adjust or control for straightforward planning.
- » **Ideal for refurbishment** – one luminaire for a wide range of existing set-ups.
- » **1.8 m connection cable** for quick installation
- » **Three parameters can be adjusted directly on the luminaire:** light colour, luminous flux and beam pattern





ronder 85
bubble lens

Good glare reduction and impact resistance

- » **85° beam angle** – high visual comfort and good glare reduction **UGR ≤ 25**.
- » **Output adjustable via DIP switch:** 17,000, 25,000 and 33,000 lm
- » **Ta -30 to +65 °C** – wide temperature range for demanding applications.
- » **DALI D4i as standard** – ready for light management and sensor technology.
- » **IK08** – robust design for harsh indoor environments.
- » **1.8 m connection cable** for quick installation

UGR
≤ 25

17.500–
33.000
lm

178
lm/W

840

L80
B10
100.000h

-30°C
+65°C
Ta



IK08

IP65

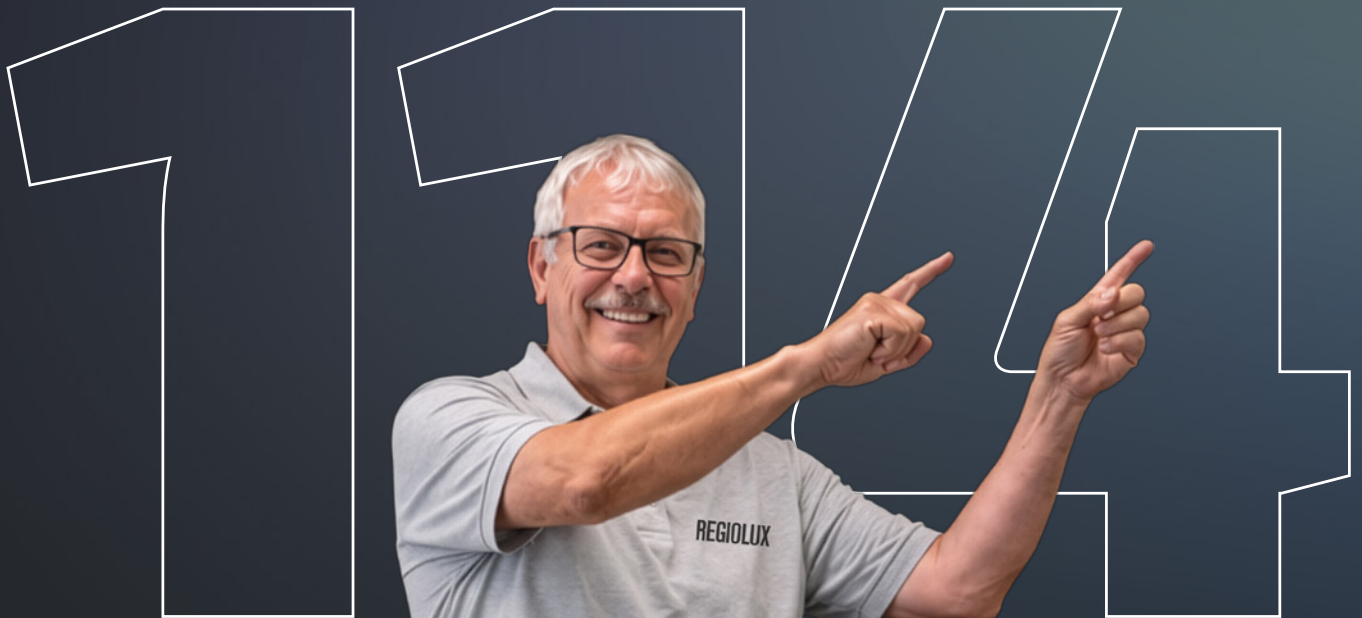


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Many possibilities. One clear decision.

Set up. Install. Adapt.

Find the right luminaire in just a few steps – make an informed choice based on application, light effect, beam pattern, control and sensor technology.



The project manager's perspective

When selecting a high-bay luminaire for a project, you need to be able to make the right choice quickly. That is why we designed ronder so that light effect, control and expansion options can be combined logically – without time consuming research into different variants.

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Jürgen Klement
Project Manager, ronder,
Regiolux GmbH

Sensor technology for application specific light

Two compact high-bay HF sensor versions are available for ronder. Both are suitable for installation heights of up to 15 m, are Zhaga Book 18-compliant and can control up to 32 DALI luminaires in broadcast mode.

Detection range

Installation height	Detection range
15 m	Ø 20 m
12 m	Ø 12 m
8 m	Ø 13 m
5 m	Ø 14 m
3 m	Ø 15 m



Stand-alone
HF motion detector

- » Stand-alone sensor without networking
- » Suitable for individual areas
- » On-site parameterisation
- » Adjustment via the HRC-11 remote control
- » Includes a DALI power supply for up to 15 luminaires

Bluetooth

HF motion detector



- Multiple sensors can be networked via Bluetooth «
- Suitable for larger contiguous areas «
- With DALI PS3 power supply: up to 32 luminaires «
- Joint control of multiple sensor/luminaire groups «
- Set-up and commissioning via the Koolmesh app «

One solution – up to 114 possible configurations.

All settings can be adjusted directly on the luminaire – no software required.

3000K

4000K

5700K

Light colour 830/840/857



Luminous flux 14,000–33,000 lm



Beam angle 60°/90°/120°



Logistics & high-bay warehouse

Project brief

Lighting for a high-bay warehouse with access routes, picking areas and two temperature zones.

Dimensions (L/W/H)	54 × 30 × 12 m
Installation height	12.0 m
Illuminance	373 lx normal section 181 lx aisle 139 lx freezer section

ronder solution

Luminaire type: ronder ring lens 840/60°/DALI D4i-M
Setting: Normal section 200 W, freezer section 150 W
Number of luminaires: approx. 26 | of which approx. 18 are in the normal section and approx. 8 in the freezer section



Assembly & production hall

Project brief

Lighting for a production hall comprising assembly, workshop and testing areas. The focus is on good visual comfort and reduced glare.

Dimensions (L/W/H)	36 × 20 × 8.5 m
Installation height	7.5 m
Illuminance	697 lx

ronder solution

Luminaire type: ronder bubble lens 840/85°/DALI D4i-M
Setting: 150 W
Accessories: reflector for further UGR reduction, only at Ta +25 °C
Number of luminaires: approx. 28

How efficient is your facility?
Scan, enter the values and
calculate your potential savings!



✓ **Flexibly adjustable**

✓ **Easy to install**

✓ **Combinable to suit the application**

✓ **Up to 114 possible configurations**

ronder – ring lens, LED lens optics with direct distribution



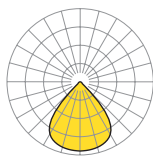
IP65



75,000 h L80/B10 (Tq 60 °C), 100,000 h L80/B50 (Tq 60 °C)

Type	Configuration	Colour	Control gear	LxWxH/DxH [mm]	P _{sys} [W]	lm/W	Art. no.
RONDER	LED 30000-14000 830/840/857	sw	ETM	343 x 147	108–204	170–117	3739 2014 194
	LED 30000 830/840/857 D4i-M	sw	DALI D4i-M	343 x 160	108–204	170–117	3739 2016 894

ronder 85 – bubble lens, LED lens optics with direct distribution



UGR ≤ 25 IP65

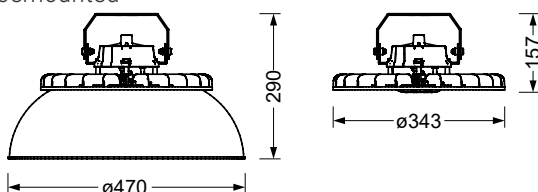


100,000 h L80/B10 (Tq 65 °C), 50,000 h L90/B10 (Tq 65 °C)

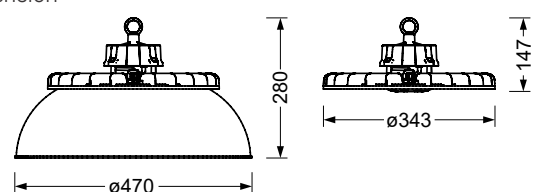
Type	Configuration	Colour	Control gear	LxWxH/DxH [mm]	P _{sys} [W]	lm/W	Art. no.
RONDER 85	LED 33000 840 D4i-M	sw	DALI D4i-M	343 x 160	99–198	178–166	3739 1026 874

Accessories	Type	Colour	Material	Details	Art. no.	
Remote control	LC-HY HRC-11	ws		Remote control	8450 9001 200	1
HF sensor	LC-HYT SAM15-ZA18	sw		Stand-alone HF motion detector (high-bay) Compatible with the Zhaga Book 18 standard. Installation height up to 15 m; controls up to 15 DALI luminaires in broadcast mode. Device adjustment is carried out using the HRC-11 remote control.	8450 9003 100	1
	LC-HYT SAM15-BLE-ZA18	sw		Bluetooth high-bay HF motion detector. Compatible with the Zhaga Book 18 standard. Single Master; broadcast control of DALI control gear; installation height up to 15 m; integrated Bluetooth module; device adjustment using the Koolmesh app.	8450 9004 100	1
DALI-SV	LC-TC DALI PS3			Power supply for use with the SAM15-BLE sensor, capable of controlling up to 32 luminaires	8450 8000 100	1
Reflector	ronder reflector		Al	Aluminium reflector for UGR 22–25, not suitable for use in sports facilities	3739 1000 200	1
Chain suspension	KK	me	St	Knotted-link chain/link chain; l = 30 m, for support rails and pendant luminaires	9282 9300 100	1
Chain suspension	RONDER-AH	me	St	Chain carabiner for ronder	3739 1000 150	1
Ceiling attachment	ronder-AB	sw	St	Mounting bracket for ronder, black	3739 1000 100	1
Koolmesh app	iOS 10.0 and later, Android 5.0 and later.			Languages: German, English and others	9999 0004 100	1

Surfacemounted



Suspension



Application and selection

» **Which model is best suited if I want to cover as many requirements as possible?**

The ronder with ring lens. It is the most versatile option for industry, logistics, warehousing and refurbishment.

» **When is the ronder 85 the better choice?**

When high light output and effective glare limitation are important – for example, in workshops, assembly areas or test facilities.

» **How robust is the ronder when used indoors?**

All models are rated to IK08 and are therefore ideally suited to harsh indoor environments in industry, warehousing and logistics.

» **Which model is particularly suitable for refurbishment?**

The ronder ETM ring lens. It can be adjusted directly on the luminaire and is suitable for a wide range of existing set-ups.

Ready for building automation

Under DIN/TS 18599 and Section 56 of the GModG (previously Section 71a of the GEG), building automation is now a consideration for a wider range of non-residential buildings. With sensor- and control-enabled versions, ronder supports modern lighting concepts tailored to requirements.

Control & sensor technology

» **When should I choose ETM and when DALI/D4i?**

ETM for simple on-site adjustment. DALI/D4i for light management with sensor technology for motion detection and control.

» **Can sensors be retrofitted to ETM?**

No. Sensors can only be retrofitted to the DALI/D4i variants.

» **How are sensors added?**

Sensors can be added via the Zhaga Book 18-compatible interface on the DALI/D4i variants, with no additional wiring required – simply plug and play.

» **When do I need the HRC-11 remote control?**

When the HF sensor is to be adjusted directly on site rather than via the app.

» **When does ronder become an active D4i-M solution?**

When a suitable accessory sensor is connected via the Zhaga Book 18 interface. This makes the D4i-M functionality available for sensor technology, control tailored to requirements and, depending on the system, luminaire, energy and diagnostic data.

Settings & light effect

» **What can be adjusted on the ronder?**

Light colour, power and beam angle can be adjusted: 3000 / 4000 / 5700 K, 100 / 150 / 200 W, 14,000 / 20,000 / 30,000 lm and 60° / 90° / 120°.

» **What can be adjusted on the bubble lens?**

Power: 100 / 150 / 200 W, corresponding to 17,500 / 25,200 / 32,800 lm. The light colour of 4000 K and beam angle of 85° are fixed.

» **Which beam angle is suitable for which type of hall?**

60° for high-ceilinged halls and racking areas, 90° as the standard solution and 120° for large areas and lower installation heights.

» **How can I improve the UGR value?**

The ronder already offers good glare control with a UGR below 25. With the optional reflector, the UGR value can be reduced further to 22.

» **What does D4i-M mean for ronder?**

The DALI versions of ronder feature a D4i-M multi-lumen driver. This allows the maximum luminous flux to be defined so that the planned illuminance levels and energy requirements are reliably met and the required UGR value maintained.

Installation, refurbishment & operation

» **What mounting options are available?**

Suspended from a ring eye or attached directly to the surface using the optional mounting bracket.

» **What installation heights is ronder suitable for?**

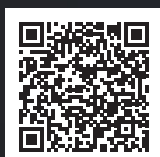
For typical hall heights of up to 15 m – depending on the application, beam angle and lighting requirements.

» **Which older lighting technologies can ronder replace?**

ronder is suitable for modernising older high-bay lighting systems, for example those using HQL, metal-halide or high-pressure sodium lamps.

» **Why does ronder make product selection easier?**

A small number of variants cover a wide range of applications – simplifying selection, providing flexibility in projects and helping ensure rapid availability.



Regiolux @ Social Media

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