

tirabo

Design begins with light



REGIOLUX

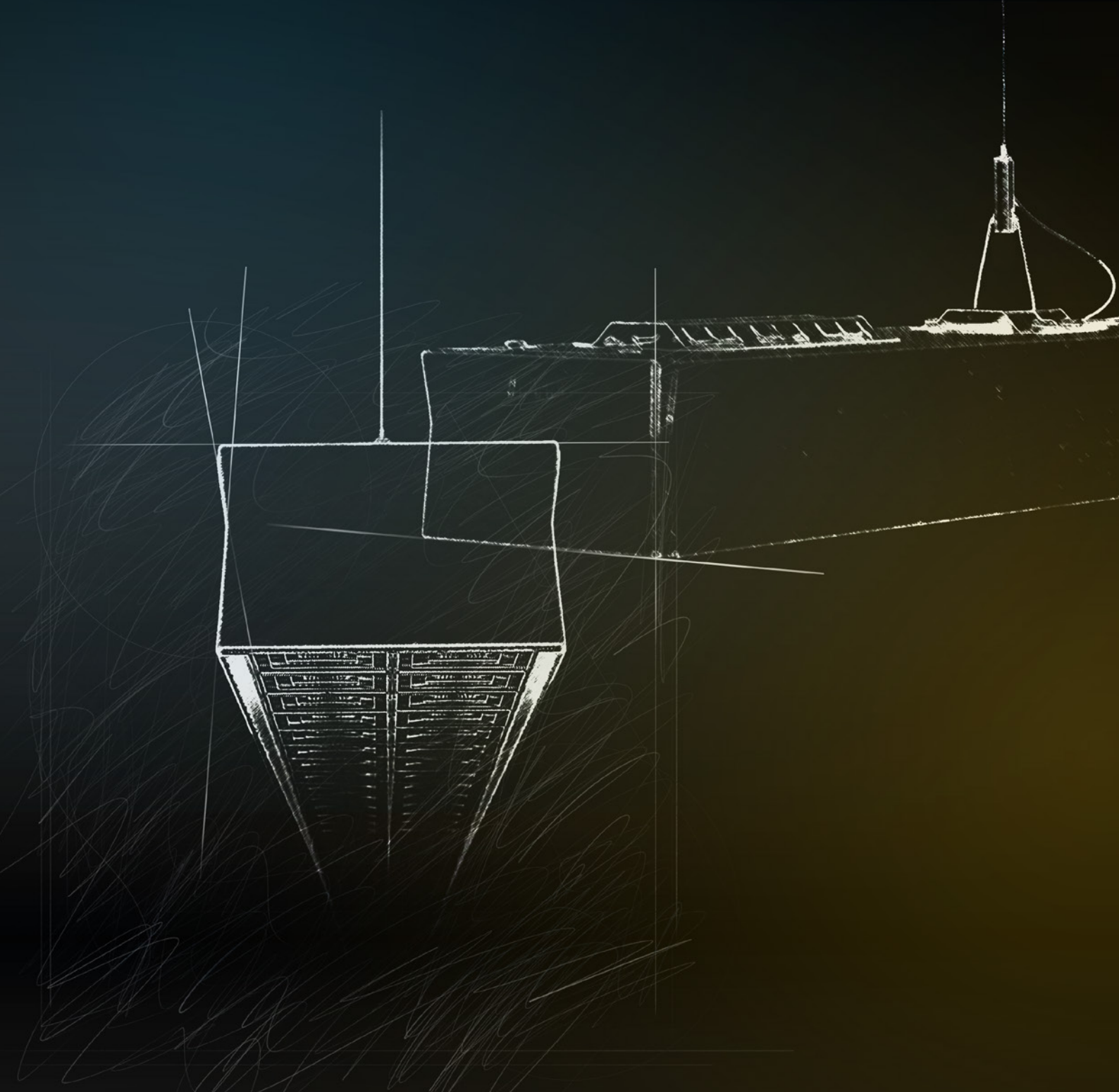
Form follows function

Sophisticated lighting technology combined with design clarity.



"The tirabo was created for rooms where light not only functions, but also helps to shape the design."

Axel Lüdtké, Product Manager



With tirabo, we combine precise lighting technology and architecturally clear design in one system. OptiLens® technology provides homogeneous, glare-free illumination with excellent light quality – both efficient and easy on the eyes.

Thanks to its compact, delicate-looking housing and flexible mounting options, the tirabo can be seamlessly integrated into a wide variety of room concepts – from offices and educational facilities to technical areas.

A luminaire that harmonises function, design and lighting effect.



tirabo

Seamlessly integrable as a continuous light run **with optional functional modules** such as emergency lighting and sensor technology.

Excellent glare reduction UGR 16 for computer workstations and technical applications.

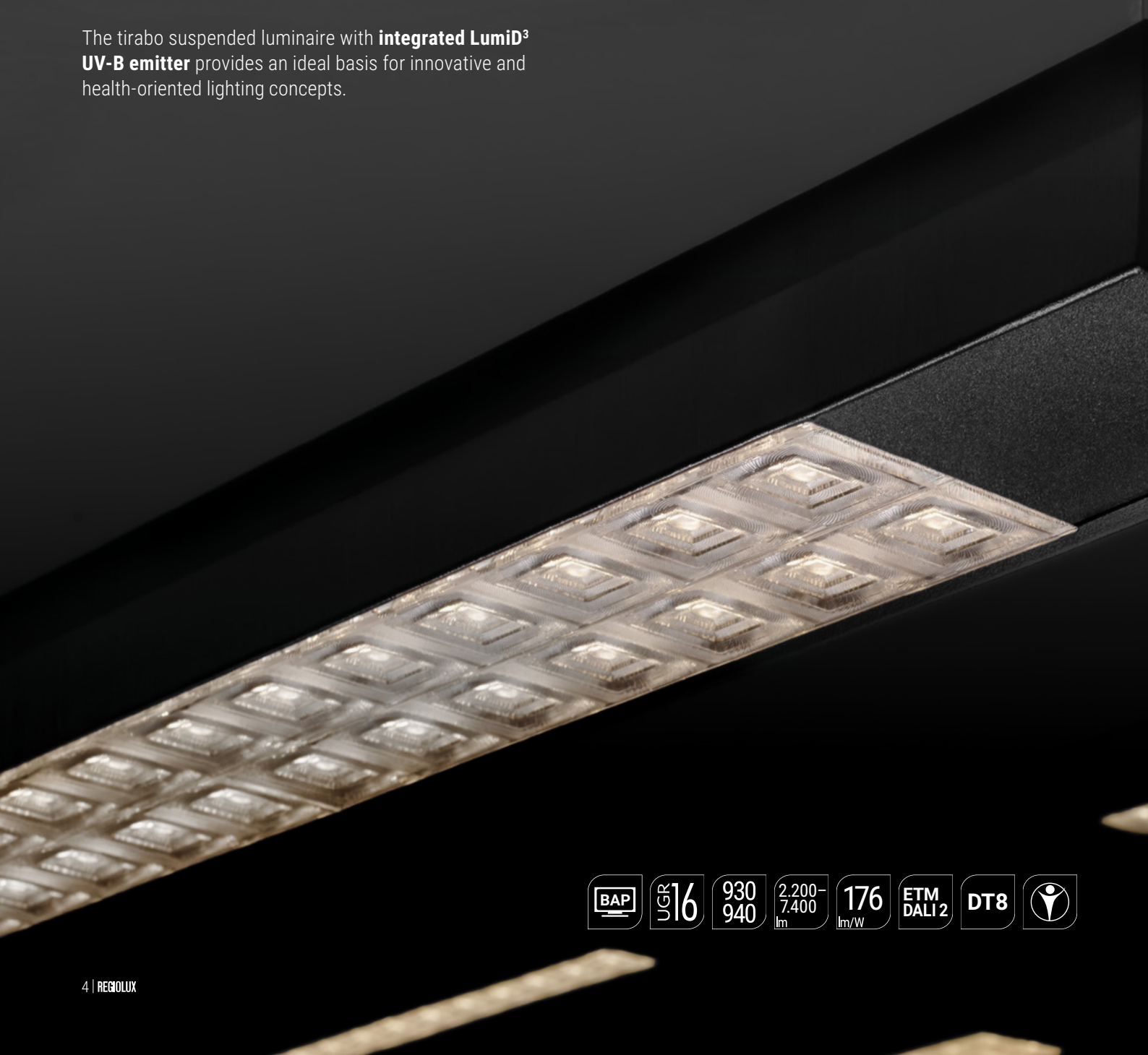
Two precise light distributions – wide and asymmetric distribution – open up a wide range of possible applications. The combination with an extremely wide-distribution indirect component enables balanced light distribution and perfect ceiling brightening at very low suspension heights.

The tirabo suspended luminaire with **integrated LumiD³ UV-B emitter** provides an ideal basis for innovative and health-oriented lighting concepts.

High-quality processing Made in Germany with ENEC certification.

Direct and indirect lighting in perfect balance for uniform room brightness and focused working light.

Backwards compatible, easy to refurbish and designed so that every component is easily exchangeable. A system that thinks for itself – for lighting solutions that will last for generations.

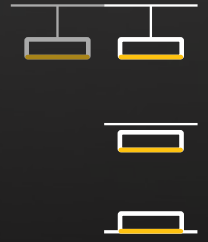


Suitable for refurbishment thanks to modular design and precise 1:1 integration into existing 100/200 panel ceiling modules.

OptiLens® multi-prismatic optics ensure homogeneous light distribution and reduced multi-shadowing.

Wide range of variants with suspension, surface-mounted, recessed and trunking rail for maximum design freedom

CRI 90 with high efficiency 176 lm/W



Excellent light quality for ideal visual comfort!

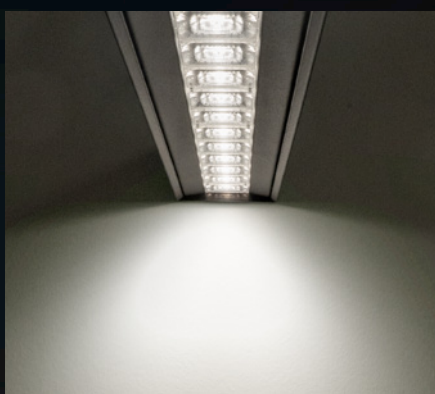
Cushion-shaped lenses and coordinated optical elements with a diffusing function create a harmonious lighting effect with excellent glare reduction ($UGR \leq 16$) and minimised multi-shadowing effects. The excellent colour rendering with CRI 90. increases visual comfort. Even with fine surface structures, there are no reflections from individual LED points.



Three lighting technologies, versatile in application



wide distribution with indirect component



wide distribution



direct asymmetric distribution

CRI>90
4000 K

CRI>90
3000 K

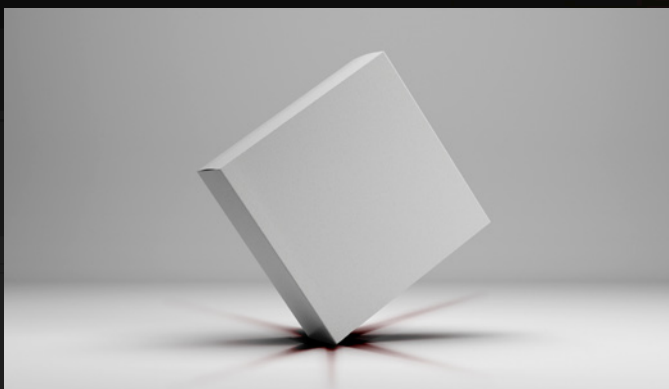


Lighting quality that impresses

With a colour rendering index (CRI >90) and a stable chromaticity (SDCM 3), the light offers the highest quality. Variants with 3,000 K and 4,000 K are available. Tunable white is also available.



Multiple shadows (Multi-shadowing) in detail



Clearly visible multi-shadowing



OptiLens®: greatly reduced multi-shadowing



The tirabo provides ideal light throughout the entire building



Discussions and meetings



Workplaces and offices



Reception and communication



Classrooms and lecture halls



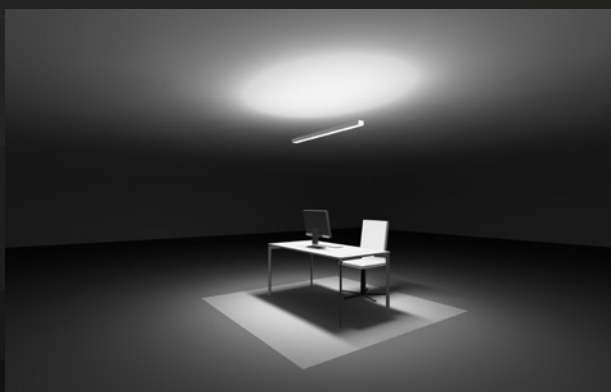
Libraries and common rooms



Secondary rooms

Light that grows with the requirements

The tirabo suspended luminaire specifically meets the requirements of modern office illumination – glare-free, durable and pleasant in everyday working life.



Single & double workstations – targeted light with comfort

The tirabo single luminaire with direct and indirect light components provides balanced illumination with excellent glare reduction ($UGR \leq 16$). Thanks to a colour rendering index of $CRI \geq 90$, it is ideal for visually demanding tasks. With a luminaire spacing of 1.2 to 1.5 times the mounting height, homogeneous illumination is guaranteed.



Multi-person workstation – light structure for modern team zones

The square arrangement of tirabo suspended luminaires combines direct and indirect light components for homogeneously high illumination with excellent glare reduction. The light structure creates a pleasant lighting atmosphere and supports concentrated work in a team setting.



Open-plan office – structure and atmosphere through light

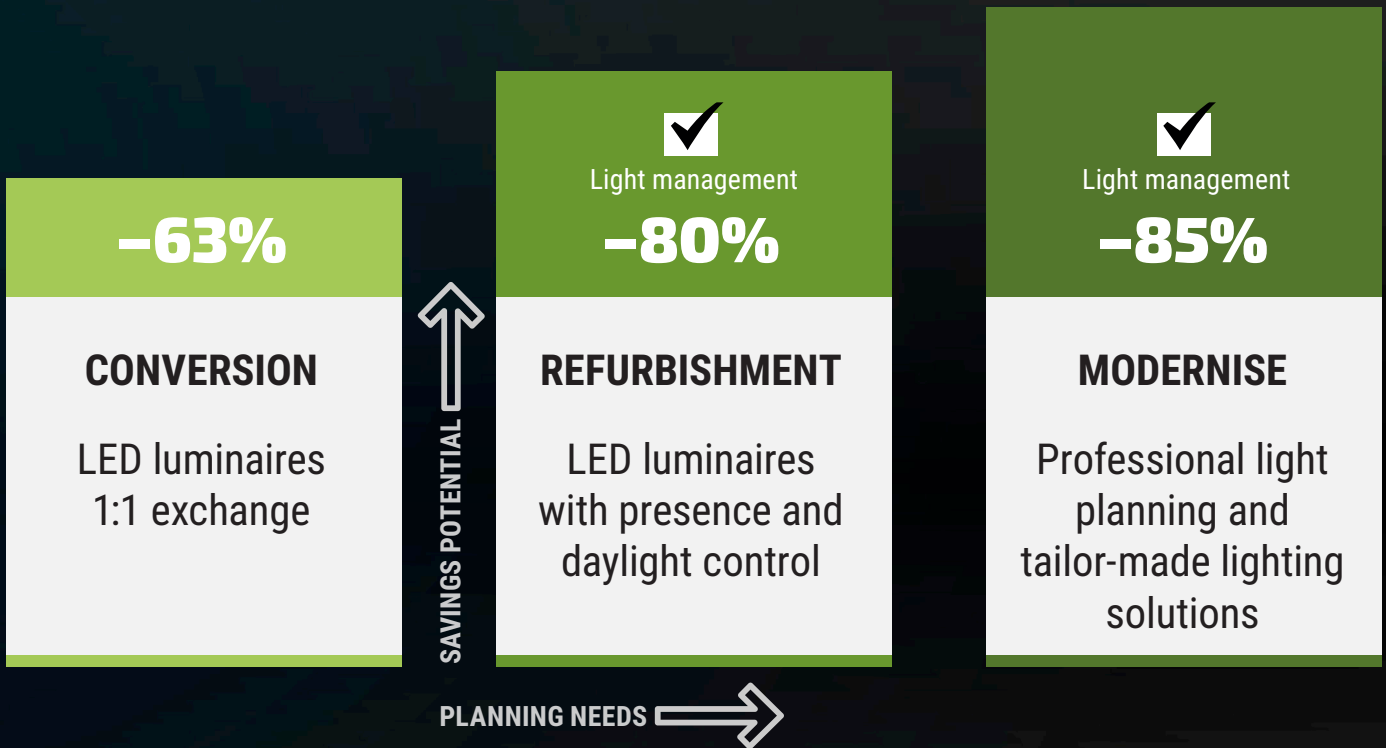
Two parallel runs of tirabo continuous row lighting elegantly divide the open-plan office space into zones and provide visual orientation. The light-emitting surface with precisely tailored luminance and excellent glare reduction ensures homogeneous, even illumination – ideal for concentrated work in modern open-plan office environments.



System with technical foresight

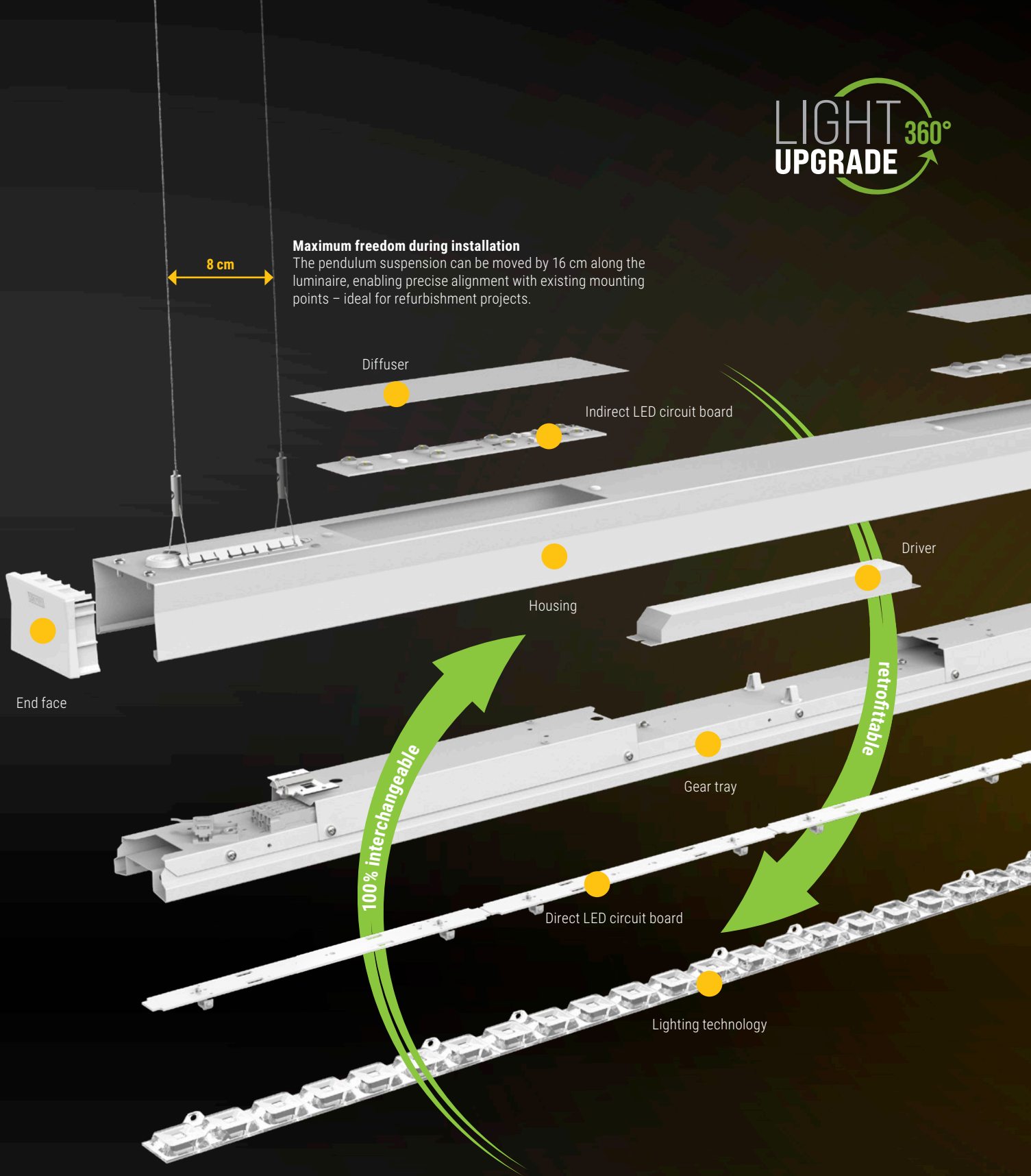
For decades, Regiolux has stood for well-thought-out modernisation solutions that combine technology, existing structures and the future.

Calculation based on an old existing system RX RSEDP 1/58, T8 fluorescent lamps, energy consumption 100%.
Light distribution/luminance must be checked in advance.



Designed for today, made for tomorrow

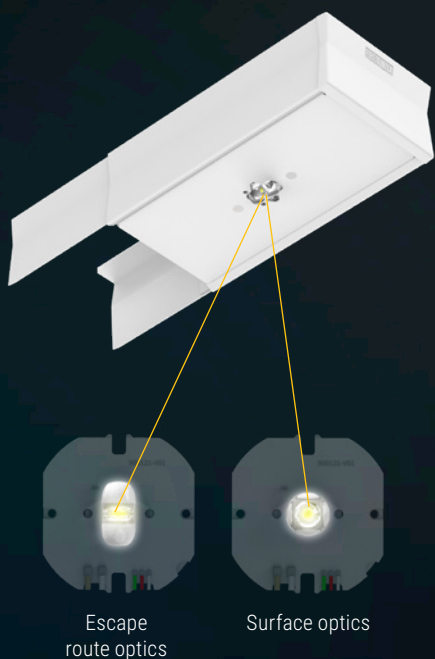
Modernise buildings for the future – easily integrate into existing installations without compromising on technology, light quality or design. This turns modernisation into an intelligent step forward – for buildings, people and the environment.



For those who rely on long-term lighting solutions

All components of this luminaire can be replaced or expanded as required – without the need for costly system changes. Investing today ensures maximum flexibility for tomorrow.

Modular functions as required



Modular emergency lighting for high flexibility and easy integration

- » Upgradeable & discreetly integrated
- » Two light distributions available:
 - Escape route – targeted, longitudinal illumination
 - Area – homogeneous, wide-distribution area lighting
- » Efficient 3 W LED, 280 lm in emergency operation
- » Flexible monitoring concepts:
 - B3 – manual monitoring
 - B3S – self-test function
 - B3W – intelligent radio monitoring

Mounting height [m]	TR-NL emergency light unit DA for escape routes		TR-NL emergency light unit XB for surfaces	
	[m]	[m]	[m]	[m]
2.5	8	18.2	4.7	10.5
3	8.9	20.4	5.1	11.9
3.5	9.6	22.5	5.2	13.2
4	10.1	24.3	5.2	14.1
4.5	10.5	25.9	5	14.6
5	10.3	27.4	4.5	14.9
5.5	9.1	28.9	3.3	14.8
6	6.2	27.6	2	14.6
6.5	6.2	27.5	0.9	14.2
7	6	21	0.8	12
7.5	6	16	0.8	9.9
8	6	14	0.8	7.8



EASY68 – The cost-effective ON/OFF sensor for quick and easy lighting automation

- » Switching motion and daylight sensor for simple ON/OFF applications.
- » Ideal for cost-conscious solutions – 3-wire supply cable sufficient (no DALI required).
- » Easy adjustment via IR remote control (sensitivity, follow-up time, daylight).
- » Supports automatic light switching based on movement and ambient brightness.
- » High switching power up to 400 VA – suitable for a wide range of applications.



FLEX10L & FLEX10X – The interface to Casambi

- » Bluetooth control module for easy integration into the Casambi system.
- » Control via app, pushbutton or sensor – flexible for everyday use.
- » Flexible installation:
 - Up to 5 DALI ballasts can be connected in the flex10L variant
 - Up to 32 DALI ballasts can be connected in the flex10X variant
- » No additional control cable required – a 3-wire supply cable is sufficient.
- » Quick setup, intuitive operation, ideal for modernisation and new buildings.
- » Future-proof wireless solution for dynamic lighting scenes and automations.

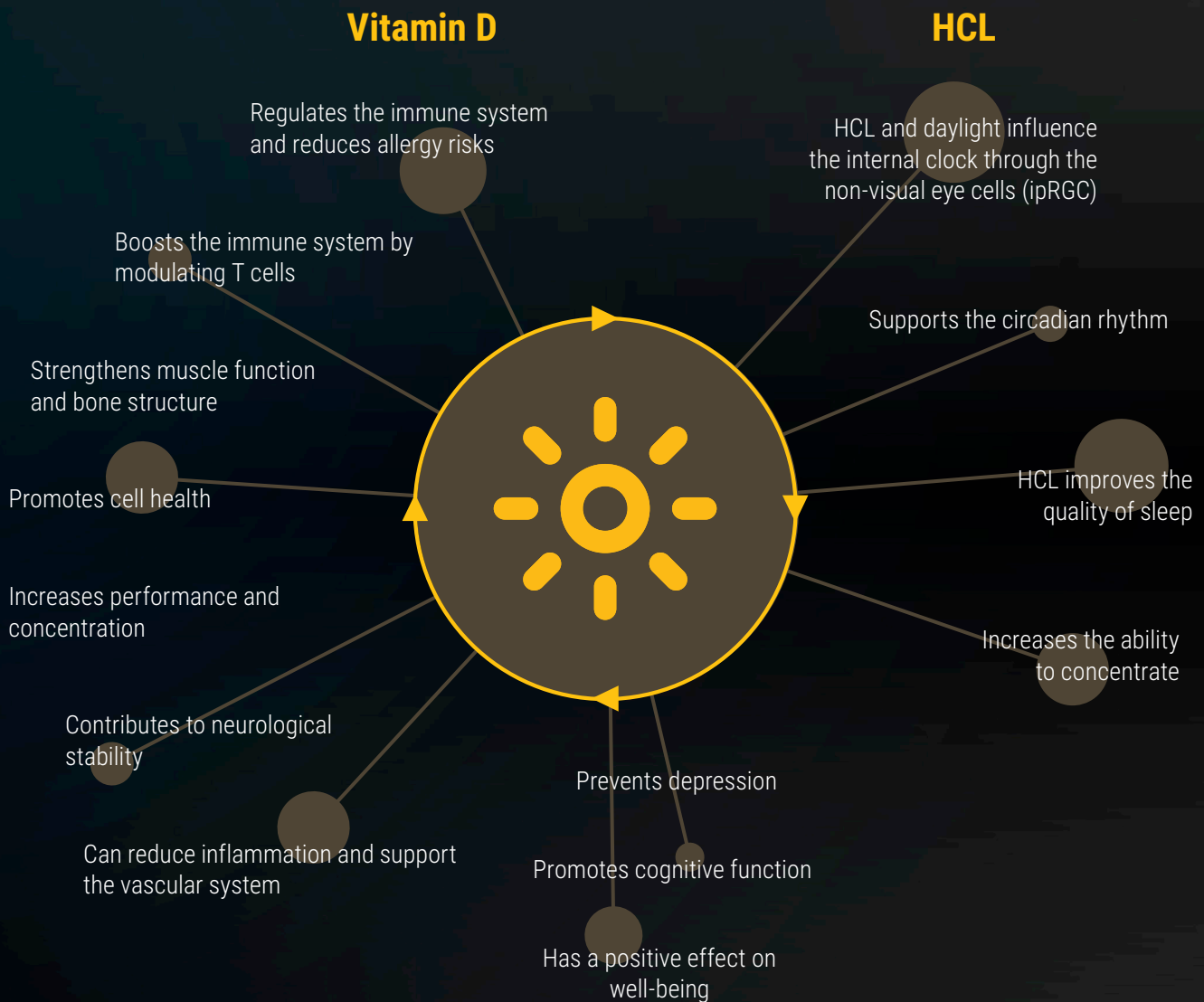


FLEX10SX – All-in-one interface to Casambi, including sensor

- » Bluetooth sensor module for easy integration into the Casambi system.
- » Integrated motion and daylight sensor for DALI dimmable luminaires
- » Up to 30 DALI ballasts can be connected
- » Ideal for light runs, office and industrial spaces.
- » Only a 3-wire supply cable is required – perfect for modernisation and easy retrofitting.
- » Full flexibility through control via app, switch and sensor.


Greater well-being through light

With HCL and UV-B technology, tirabo supports your health, concentration, well-being and vitality in work and care environments. The combination of HCL and UV-B not only synchronises the internal clock, but also promotes the skin's natural vitamin D synthesis.





tirabo – Variants & Options

	SURFACE-MOUNTED				SUSPENSION
Type	TRANB	TRALNB light run	TRANA asymmetric	TRALNA asymmetrical light run	TRHINB
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>
			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Version					
Housing colour	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
Module length	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1200	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1500	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1800					
Dimensions (L x W x H mm)	1136 x 85 x 66 1416 x 85 x 66	1122 x 85 x 66 1402 x 85 x 66	1416 x 85 x 66	1402 x 85 x 66	1136 x 85 x 59 1416 x 85 x 59
Panel ceiling 100 + 200					
Concealed symmetrical					
Light colour RA 930 + 940	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
HCL					<input checked="" type="checkbox"/>
VDU*	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>
UGR19	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Emergency lighting module ²⁾	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Sensor technology + control ³⁾	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Integrated UV-B emitter ¹⁾					
90° corner element	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Blind unit 600 + 1200 mm		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	



















¹⁾ Integration into or with corner pieces is not possible due to the design.

²⁾ The B3 module is available as an accessory and can be retrofitted if required.

³⁾ Additional luminaire variants, including ZBA versions, are available on request.

⁴⁾ Recommended luminaire mounting height above the floor: 2 m.

Customised solutions (BTO = build-to-order) are available on request.

SUSPENSION				RECESSED		
TRHILNB light run	TRHNA asymmetric	TRHLNA asymmetrical light run	TRHINB-1800 UV-B ⁴⁾	TRENB	TRENA	TRANB 625-2 TRENB 600-2/625-2
						
●			●	●		●
	●	●			●	
						
						
●				●		
●	●	●		●	●	
			●			
1122 x 85 x 59 1402 x 85 x 59	1416 x 85 x 59	1402 x 85 x 59	1776 x 85 x 59	1122 x 84 x 73 1402 x 84 x 73 1122 x 136 x 73 1402 x 136 x 73 1402 x 184 x 73	1402 x 84 x 73	TRENB 597 x 597 x 27 622 x 622 x 27 TRANB 627 x 627 x 47
				●		
				●	●	
●	●	●	●	●	●	●
			●			
●	●	●	●	●	●	●
●	●	●	●	●	●	●
●	●	●	●			
●	●	●	●			
			●			
●	●	●	●			
●		●				





epd 
Environmental
Product
Declaration

Designed for transparency and repairability

The entire family of luminaires comes with an Environmental Product Declaration (EPD). This allows us to showcase not only technical quality, but also all relevant information relating to material use, service life, repairability and reusability – verified, digitally available and compatible with all common planning tools.

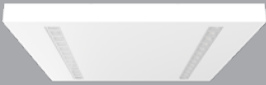
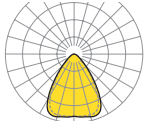




- ✓ All environmental data at a glance
- ✓ All product data available digitally
- ✓ Complete planning reliability for BIM, PIM and tendering



A holistic view across the entire life cycle – from planning to reuse. This creates lasting transparency and a sound basis for future-oriented decisions.

tirabo surface-mounted luminaires

TRANB direct wide distribution, surface-mounted luminaire

		75° (C0)/70° (C90) 		UGR 16		IP 20			
						 1500		100,000 hours L80/B10 (Tq 35°C), 50,000 hours L90/B10 (Tq 35°C)	
Type	Module	Configuration	Ballast	930	940	vw	sw	lm/W	P _{sys} [W]
Art. No.: Basis with light colour							+ _ Final number housing colour		
<i>OptiLens® direct wide distribution VDU*</i>									
TRANB	/625-2	LED 4300-2500	ETM	6150 5013 11_		0		159-152	16-29
		LED 4300	DALI2 ¹⁾	6150 5016 61_		0		152	29
		LED 4500-2600	ETM		6150 5023 11_	0		166-158	16-29
		LED 4500	DALI2 ¹⁾		6150 5026 61_	0		158	29

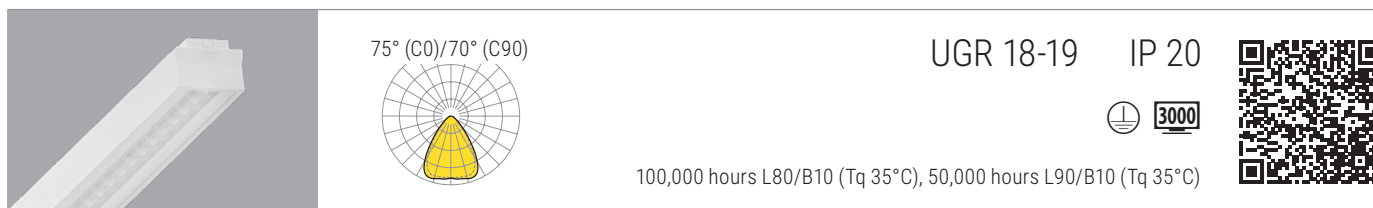
TRANB direct wide distribution, surface-mounted luminaire

		75° (C0)/70° (C90) 		UGR 18-19		IP 20			
						 3000		100,000 hours L80/B10 (Tq 35°C), 50,000 hours L90/B10 (Tq 35°C)	
Type	Module	Configuration	Ballast	930	940	vw	sw	lm/W	P _{sys} [W]
Art. No.: Basis with light colour							+ _ Final number housing colour		
<i>OptiLens® direct wide distribution VDU*</i>									
TRANB	/1200-1	LED 3100	DALI2 ¹⁾	6150 1016 61_		0	4	153	20
		LED 3200	DALI2 ¹⁾		6150 1026 61_	0	4	160	20
		LED 4200-2500	ETM	6150 1013 11_		0	4	156-149	16-29
		LED 4400-2600	ETM		6150 1023 11_	0	4	162-155	16-29
/1200-2	/1200-2	LED 3100	DALI2 ¹⁾	6150 2016 61_		0	4	160	20
		LED 3300	DALI2 ¹⁾		6150 2026 61_	0	4	166	20
		LED 4300-2500	ETM	6150 2013 11_		0	4	162-156	16-28
		LED 4500-2600	ETM		6150 2023 11_	0	4	169-162	16-28
/1500-1	/1500-1	LED 3900	DALI2 ¹⁾	6150 3016 61_		0	4	153	25
		LED 4000	DALI2 ¹⁾		6150 3026 61_	0	4	159	25
		LED 5300-3100	ETM	6150 3013 11_		0	4	156-149	20-36
		LED 5500-3200	ETM		6150 3023 11_	0	4	162-155	20-36
/1500-2	/1500-2	LED 3900	DALI2 ¹⁾	6150 4016 61_		0	4	159	25
		LED 4100	DALI2 ¹⁾		6150 4026 61_	0	4	166	25
		LED 5400-3200	ETM	6150 4013 11_		0	4	161-156	20-35
		LED 5600-3300	ETM		6150 4023 11_	0	4	168-162	20-35
<i>OptiLens® direct wide distribution UGR ≤ 19</i>									
TRANB	/1200-1	LED 4200	DALI2 ¹⁾	6150 1036 61_		0	4	149	29
		LED 4400	DALI2 ¹⁾		6150 1046 61_	0	4	155	29
/1200-2	/1200-2	LED 4300	DALI2 ¹⁾	6150 2036 61_		0	4	156	28
		LED 4500	DALI2 ¹⁾		6150 2046 61_	0	4	162	28
/1500-1	/1500-1	LED 5300	DALI2 ¹⁾	6150 3036 61_		0	4	149	36
		LED 5500	DALI2 ¹⁾		6150 3046 61_	0	4	155	36
/1500-2	/1500-2	LED 5400	DALI2 ¹⁾	6150 4036 61_		0	4	156	35
		LED 5600	DALI2 ¹⁾		6150 4046 61_	0	4	162	35

¹⁾Luminaires suitable for the IoT (Internet of Things): 

*For VDU compatibility, see the operating data table on the website or in the product data sheet.

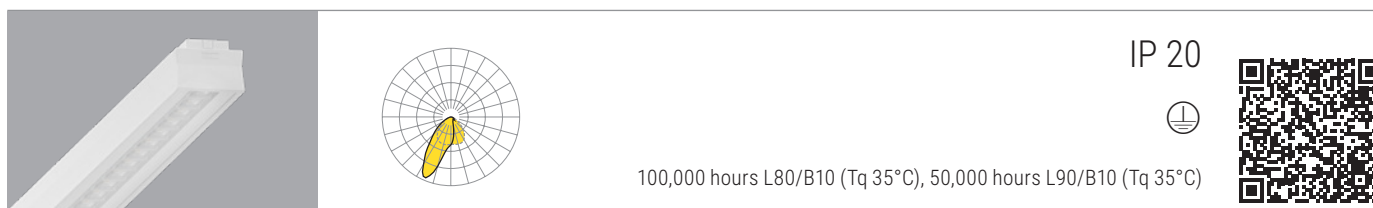
TRALNB direct wide distribution, surface-mounted luminaire



100,000 hours L80/B10 (Tq 35°C), 50,000 hours L90/B10 (Tq 35°C)

Type	Module	Configuration	Ballast	930	940	vw	sw	lm/W	P _{sys} [W]
Art. No.: Basis with light colour							+ _ Final number housing colour		
<i>OptiLens® direct wide distribution VDU*</i>									
TRALNB	/1200-1	LED 3100	DALI2 ¹⁾	6151 1016 61_		0	4	153	20
		LED 3200	DALI2 ¹⁾		6151 1026 61_	0	4	160	20
		LED 4200-2500	ETM	6151 1013 11_		0	4	156-149	16-29
		LED 4400-2600	ETM		6151 1023 11_	0	4	162-155	16-29
	/1200-2	LED 3100	DALI2 ¹⁾	6151 2016 61_		0	4	160	20
		LED 3300	DALI2 ¹⁾		6151 2026 61_	0	4	166	20
		LED 4300-2500	ETM	6151 2013 11_		0	4	162-156	16-28
		LED 4500-2600	ETM		6151 2023 11_	0	4	169-162	16-28
	/1500-1	LED 3900	DALI2 ¹⁾	6151 3016 61_		0	4	153	25
		LED 4000	DALI2 ¹⁾		6151 3026 61_	0	4	159	25
		LED 5300-3100	ETM	6151 3013 11_		0	4	156-149	20-36
		LED 5500-3200	ETM		6151 3023 11_	0	4	162-155	20-36
	/1500-2	LED 3900	DALI2 ¹⁾	6151 4016 61_		0	4	159	25
		LED 4100	DALI2 ¹⁾		6151 4026 61_	0	4	166	25
		LED 5400-3200	ETM	6151 4013 11_		0	4	161-156	20-35
		LED 5600-3300	ETM		6151 4023 11_	0	4	168-162	20-35
<i>OptiLens® direct wide distribution UGR ≤ 19</i>									
TRALNB	/1200-1	LED 4200	DALI2 ¹⁾	6151 1036 61_		0	4	149	29
		LED 4400	DALI2 ¹⁾		6151 1046 61_	0	4	155	29
	/1200-2	LED 4300	DALI2 ¹⁾	6151 2036 61_		0	4	156	28
		LED 4500	DALI2 ¹⁾		6151 2046 61_	0	4	162	28
	/1500-1	LED 5300	DALI2 ¹⁾	6151 3036 61_		0	4	149	36
		LED 5500	DALI2 ¹⁾		6151 3046 61_	0	4	155	36
	/1500-2	LED 5400	DALI2 ¹⁾	6151 4036 61_		0	4	156	35
		LED 5600	DALI2 ¹⁾		6151 4046 61_	0	4	162	35

TRANA direct asymmetrical distribution²⁾, surface-mounted luminaire



100,000 hours L80/B10 (Tq 35°C), 50,000 hours L90/B10 (Tq 35°C)

Type	Module	Configuration	Ballast	930	940	vw	sw	lm/W	P _{sys} [W]
Art. No.: Basis with light colour							+ _ Final number housing colour		
<i>OptiLens® direct asymmetric distribution</i>									
TRANA	/1500-1	LED 5400-3200	ETM	6150 3033 15_		0		158-151	20-36
		LED 5400	DALI2 ¹⁾	6150 3036 65_		0		151	36
		LED 5600-3300	ETM		6150 3043 15_	0		165-157	20-36
		LED 5600	DALI2 ¹⁾		6150 3046 65_	0		157	36

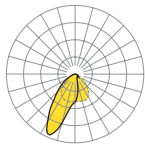
¹⁾Luminaires suitable for the IoT (Internet of Things):

²⁾Requirements regarding glare for classrooms in accordance with DIN EN 12464-1 (UGR≤19) are met.

*For VDU compatibility, see the operating data table on the website or in the product data sheet.

tirabo surface-mounted luminaires

TRALNA direct asymmetrical distribution²⁾, surface-mounted luminaire



IP 20




100,000 hours L80/B10 (Tq 35°C), 50,000 hours L90/B10 (Tq 35°C)

Type	Module	Configuration	Ballast	930	940	vw	sw	lm/W	P _{sys} [W]
Art. No.: Basis with light colour							+ _ Final number housing colour		
<i>OptiLens® direct asymmetric distribution</i>									
TRALNA	/1500-1	LED 5400-3200	ETM	6151 3033 15_		0		158-151	20-36
		LED 5400	DALI2 ¹⁾	6151 3036 65_		0		151	36
		LED 5600-3300	ETM		6151 3043 15_	0		165-157	20-36
		LED 5600	DALI2 ¹⁾		6151 3046 65_	0		157	36

¹⁾Luminaires suitable for the IoT (Internet of Things):

²⁾Requirements regarding glare for classrooms in accordance with DIN EN 12464-1 (UGR<=19) are met.


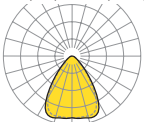




Accessories	Type	Colour	Material	Details	Art. No.		
Blind unit	TRALB /1200-1	vw RAL 9016	St	Blind unit for tirabo surface-mounted luminaires-1	6151 0840 100	1	
		sw RAL 9005	St		6151 0840 104	1	
	TRALB /1200-2	vw RAL 9016	St	Blind unit for tirabo surface-mounted luminaires-2	6151 0850 100	1	
		sw RAL 9005	St		6151 0850 104	1	
	TRALB /600-1	vw RAL 9016	St	Blind unit for tirabo surface-mounted luminaires-1	6151 0820 100	1	
		sw RAL 9005	St		6151 0820 104	1	
	TRALB /600-2	vw RAL 9016	St	Blind unit for tirabo surface-mounted luminaires-2	6151 0830 100	1	
		sw RAL 9005	St		6151 0830 104	1	
	<i>Structure</i>						
	Luminaire corner connector	tirabo-TRVE	vw RAL 9016	St	L 90° for tirabo	6159 0700 100	1
sw RAL 9005			St	L 90° for tirabo	6159 0700 104	1	
<i>Electrical engineering*</i>							
Emergency lighting surface-mounting set	TR-NL DA B3	ws	St	Surface-mounting set with 3-hour emergency lighting for tirabo	6159 0500 100	1	
		sw	St	Surface-mounting set with 3-hour emergency lighting for tirabo	6159 0500 104	1	
	TR-NL DA B3S	ws	St	Surface-mounting set with 3-hour emergency lighting and self-test for tirabo	6159 0520 100	1	
		sw	St	Surface-mounting set with 3-hour emergency lighting and self-test for tirabo	6159 0520 104	1	
	TR-NL DA B3W	ws	St	Surface-mounting set with 3-hour emergency lighting and wireless monitoring for tirabo	6159 0590 100	1	
		sw	St	Surface-mounting set with 3-hour emergency lighting and wireless monitoring for tirabo	6159 0590 104	1	
	TR-NL XB B3	ws	St	Surface-mounting set with 3-hour emergency lighting for tirabo	6159 0510 100	1	
		sw	St	Surface-mounting set with 3-hour emergency lighting for tirabo	6159 0510 104	1	
	TR-NL XB B3S	ws	St	Surface-mounting set with 3-hour emergency lighting and self-test for tirabo	6159 0530 100	1	
		sw	St	Surface-mounting set with 3-hour emergency lighting and self-test for tirabo	6159 0530 104	1	
	TR-NL XB B3W	ws	St	Surface-mounting set with 3-hour emergency lighting and wireless monitoring for tirabo	6159 0600 100	1	
		sw	St	Surface-mounting set with 3-hour emergency lighting and wireless monitoring for tirabo	6159 0600 104	1	
	<i>Control technology</i>						
	Sensor surface-mounting set	TR-SE EASY68	vw RAL 9016	St	netlife module EASY68 for tirabo	6159 0580 100	1
			sw RAL 9005	St	netlife module EASY68 for tirabo	6159 0580 104	1
		TR-SE FLEX10L	vw RAL 9016	St	netlife module FLEX10L for tirabo	6159 0560 100	1
			sw RAL 9005	St	netlife module FLEX10L for tirabo	6159 0560 104	1
		TR-SE FLEX10SX	vw RAL 9016	St	netlife module FLEX10SX for tirabo	6159 0550 100	1
sw RAL 9005			St	netlife module FLEX10SX for tirabo	6159 0550 104	1	
TR-SE FLEX10X		vw RAL 9016	St	netlife module FLEX10X for tirabo	6159 0570 100	1	
		sw RAL 9005	St	netlife module FLEX10X for tirabo	6159 0570 104	1	


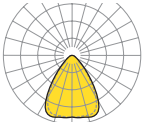


*Further information on pp. 13-14.

tirabo recessed luminaires

TRENB direct wide distribution, recessed luminaire

		75° (C0)/75° (C90) 		UGR 16		IP 20				
								100,000 hours L80/B10 (Tq 35°C), 50,000 hours L90/B10 (Tq 35°C)		
Type	Module	Configuration	Ballast	930	940	vw	sw	lm/W	P _{sys} [W]	
Art. No.: Basis with light colour								+ _ Final number housing colour		
<i>OptiLens® direct wide distribution VDU* for ceiling systems 625 x 625 mm</i>										
TRENB	/625	LED 4300-2500	ETM	6158 5013 11_		0		159-152	16-29	
		LED 4300	DALI2 ¹⁾	6158 5016 61_		0		152	29	
		LED 4500-2600	ETM		6158 5023 11_		0		166-158	16-29
		LED 4500	DALI2 ¹⁾		6158 5026 61_		0		158	29

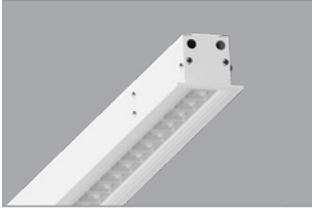
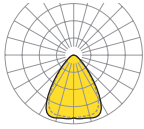


TRENB direct wide distribution, recessed luminaire

		75° (C0)/75° (C90) 		UGR 16		IP 20				
								100,000 hours L80/B10 (Tq 35°C), 50,000 hours L90/B10 (Tq 35°C)		
Type	Module	Configuration	Ballast	930	940	vw	sw	lm/W	P _{sys} [W]	
Art. No.: Basis with light colour								+ _ Final number housing colour		
<i>OptiLens® direct wide distribution VDU*</i>										
TRENB	/600	LED 4300-2500	ETM	6158 6013 11_		0		159-152	16-29	
		LED 4300	DALI2 ¹⁾	6158 6016 61_		0		152	29	
		LED 4500-2600	ETM		6158 6023 11_		0		166-158	16-29
		LED 4500	DALI2 ¹⁾		6158 6026 61_		0		158	29


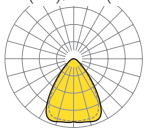


¹⁾Luminaires suitable for the IoT (Internet of Things): 


*For VDU compatibility, see the operating data table on the website or in the product data sheet.

TRENB direct wide distribution, recessed luminaire

		75° (C0)/75° (C90) 		UGR 18-19		IP 20			
				100,000 hours L80/B10 (Tq 35°C), 50,000 hours L90/B10 (Tq 35°C)					
Type	Module	Configuration	Ballast	930	940	vw	sw	lm/W	P _{sys} [W]
Art. No.: Basis with light colour								+ _ Final number housing colour	
<i>OptiLens® direct wide distribution VDU*</i>									
TREN B	/1200-1	LED 2200	DALI2 ¹⁾	6158 1016 61_		0		160	14
		LED 2300	DALI2 ¹⁾		6158 1026 61_	0		167	14
		LED 3100-2200	ETM	6158 1013 11_		0		160-157	14-20
		LED 3300-2300	ETM		6158 1023 11_	0		167-163	14-20
<i>OptiLens® direct wide distribution UGR ≤ 19</i>									
TREN B	/1200-1	LED 2800	DALI2 ¹⁾	6158 1036 61_		0		157	18
		LED 3000	DALI2 ¹⁾		6158 1046 61_	0		164	18

TRENB direct wide distribution, recessed luminaire


		75° (C0)/75° (C90) 		UGR 18-19		IP 20			
				100,000 hours L80/B10 (Tq 35°C), 50,000 hours L90/B10 (Tq 35°C)					
Type	Module	Configuration	Ballast	930	940	vw	sw	lm/W	P _{sys} [W]
Art. No.: Basis with light colour								+ _ Final number housing colour	
<i>OptiLens® direct wide distribution VDU*</i>									
TREN B	/1500-1	LED 2800	DALI2 ¹⁾	6158 3016 61_		0		161	17
		LED 2900	DALI2 ¹⁾		6158 3026 61_	0		167	17
		LED 5400-2800	ETM	6158 3013 11_		0		161-152	17-36
		LED 5600-2900	ETM		6158 3023 11_	0		167-158	17-36
<i>OptiLens® direct wide distribution UGR ≤ 19</i>									
TREN B	/1500-1	LED 3600	DALI2 ¹⁾	6158 3036 61_		0		157	23
		LED 3700	DALI2 ¹⁾		6158 3046 61_	0		164	23

¹⁾Luminaires suitable for the IoT (Internet of Things): 

*For VDU compatibility, see the operating data table on the website or in the product data sheet.

tirabo recessed luminaires

TRENB direct wide distribution, recessed luminaire




75° (C0)/75° (C90)

UGR 18-19 IP 20


3000

100,000 hours L80/B10 (Tq 35°C), 50,000 hours L90/B10 (Tq 35°C)



Type	Module	Configuration	Ballast	930	940	vw	sw	lm/W	P _{sys} [W]
Art. No.: Basis with light colour							+ _ Final number housing colour		
<i>OptiLens® direct wide distribution VDU*</i>									
TREN B	/1200-2	LED 4200	DALI2 ¹⁾	6158 2016 61_		0		162	26
		LED 4400	DALI2 ¹⁾		6158 2026 61_	0		169	26
		LED 4500-2300	ETM	6158 2013 11_		0		169-161	14-28
		LED 4700-2400	ETM		6158 2023 11_	0		176-168	14-28
<i>OptiLens® direct wide distribution UGR ≤ 19</i>									
TREN B	/1200-2	LED 5700	DALI2 ¹⁾	6158 2036 61_		0		158	36
		LED 5900	DALI2 ¹⁾		6158 2046 61_	0		165	36

TREN B direct wide distribution, recessed luminaire




75° (C0)/75° (C90)

UGR 18-19 IP 20

3000

100,000 hours L80/B10 (Tq 35°C), 50,000 hours L90/B10 (Tq 35°C)

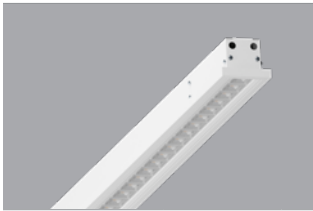
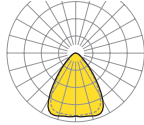




Type	Module	Configuration	Ballast	930	940	vw	sw	lm/W	P _{sys} [W]
Art. No.: Basis with light colour							+ _ Final number housing colour		
<i>OptiLens® direct wide distribution VDU*</i>									
TREN B	/1500-2	LED 5200	DALI2 ¹⁾	6158 4016 61_		0		162	32
		LED 5500	DALI2 ¹⁾		6158 4026 61_	0		168	32
		LED 5600-2900	ETM	6158 4013 11_		0		169-161	17-35
		LED 5900-3000	ETM		6158 4023 11_	0		176-168	17-35
<i>OptiLens® direct wide distribution UGR ≤ 19</i>									
TREN B	/1500-2	LED 7100	DALI2 ¹⁾	6158 4036 61_		0		158	45
		LED 7400	DALI2 ¹⁾		6158 4046 61_	0		164	45

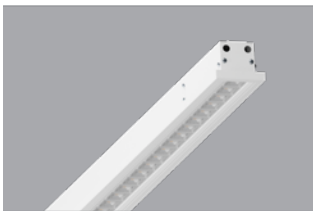
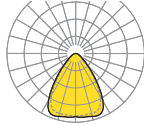


¹⁾Luminaires suitable for the IoT (Internet of Things): 

*For VDU compatibility, see the operating data table on the website or in the product data sheet.

TRENB direct wide distribution, recessed luminaire, panel luminaire module 100

		75° (C0)/75° (C90) 		UGR 18-19		IP 20			
				100,000 hours L80/B10 (Tq 35°C), 50,000 hours L90/B10 (Tq 35°C)					
Type	Module	Configuration	Ballast	930	940	vw	sw	lm/W	P _{sys} [W]
Art. No.: Basis with light colour								+ _ Final number housing colour	
<i>OptiLens® direct wide distribution VDU*</i>									
TREN B	/100-1200-1	LED 2200	DALI2 ¹⁾	6158 1456 61_		0		160	14
		LED 2300	DALI2 ¹⁾		6158 1466 61_	0		167	14
		LED 3100-2200	ETM	6158 1413 11_		0		160-157	14-20
		LED 3300-2300	ETM		6158 1423 11_	0		167-163	14-20
<i>OptiLens® direct wide distribution UGR ≤ 19</i>									
TREN B	/100-1200-1	LED 2800	DALI2 ¹⁾	6158 1476 61_		0		157	18
		LED 3000	DALI2 ¹⁾		6158 1486 61_	0		164	18

TRENB direct wide distribution, recessed luminaire, panel luminaire module 100

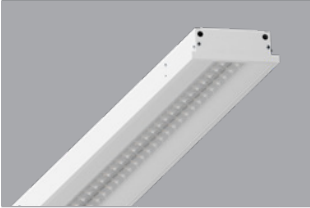

		75° (C0)/75° (C90) 		UGR 18-19		IP 20			
				100,000 hours L80/B10 (Tq 35°C), 50,000 hours L90/B10 (Tq 35°C)					
Type	Module	Configuration	Ballast	930	940	vw	sw	lm/W	P _{sys} [W]
Art. No.: Basis with light colour								+ _ Final number housing colour	
<i>OptiLens® direct wide distribution VDU*</i>									
TREN B	/100-1500-1	LED 2800	DALI2 ¹⁾	6158 3456 61_		0		161	17
		LED 2900	DALI2 ¹⁾		6158 3466 61_	0		167	17
		LED 5400-2800	ETM	6158 3413 11_		0		161-152	17-36
		LED 5600-2900	ETM		6158 3423 11_	0		167-158	17-36
<i>OptiLens® direct wide distribution UGR ≤ 19</i>									
TREN B	/100-1500-1	LED 3600	DALI2 ¹⁾	6158 3476 61_		0		157	23
		LED 3700	DALI2 ¹⁾		6158 3486 61_	0		164	23

¹⁾Luminaires suitable for the IoT (Internet of Things): 

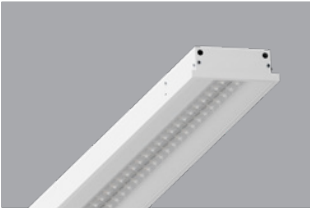


*For VDU compatibility, see the operating data table on the website or in the product data sheet.

tirabo recessed luminaires

TRENB direct wide distribution, recessed luminaire, panel luminaire module 200

	75° (C0)/75° (C90)		UGR 17-18		IP 20				
									
100,000 hours L80/B10 (Tq 35°C), 50,000 hours L90/B10 (Tq 35°C)									
Type	Module	Configuration	Ballast	930	940	vw	sw	lm/W	P _{sys} [W]
Art. No.: Basis with light colour							+ _ Final number housing colour		
<i>OptiLens® direct wide distribution VDU*</i>									
TRENB	/200-1200-2	LED 4200	DALI2 ¹⁾	6158 2456 61_		0		162	26
		LED 4400	DALI2 ¹⁾		6158 2466 61_	0		169	26
		LED 4500-2300	ETM	6158 2413 11_		0		169-161	14-28
		LED 4700-2400	ETM		6158 2423 11_	0		176-168	14-28
		LED 5700	DALI2 ¹⁾	6158 2476 61_		0		158	36
		LED 5900	DALI2 ¹⁾		6158 2486 61_	0		165	36

TRENB direct wide distribution, recessed luminaire, panel luminaire module 200

	75° (C0)/75° (C90)		UGR 17-18		IP 20				
									
100,000 hours L80/B10 (Tq 35°C), 50,000 hours L90/B10 (Tq 35°C)									
Type	Module	Configuration	Ballast	930	940	vw	sw	lm/W	P _{sys} [W]
Art. No.: Basis with light colour							+ _ Final number housing colour		
<i>OptiLens® direct wide distribution VDU*</i>									
TRENB	/200-1500-2	LED 5200	DALI2 ¹⁾	6158 4456 61_		0		162	32
		LED 5500	DALI2 ¹⁾		6158 4466 61_	0		168	32
		LED 5600-2900	ETM	6158 4413 11_		0		169-161	17-35
		LED 5900-3000	ETM		6158 4423 11_	0		176-168	17-35
		LED 7100	DALI2 ¹⁾	6158 4476 61_		0		158	45
		LED 7400	DALI2 ¹⁾		6158 4486 61_	0		164	45

¹⁾Luminaires suitable for the IoT (Internet of Things): 


*For VDU compatibility, see the operating data table on the website or in the product data sheet.

Example

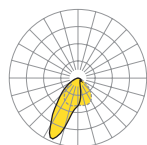
Refurbishment in module 100

Type	Module	Configuration	Ballast	930	940	vw	sw	lm/W	P _{sys} [W]
TRENB	/100-1500-1	LED 5600-2900	ETM		6158 3423 11_	0		167-158	17-36

Accessories for refurbishing T8 luminaires in panel module 100

Accessories	Colour	Material	Details	Art. No.	
tirabo-TRES module /100-73	vw RAL 9016	St	for tirabo module 100-73mm compensating end face for old luminaire	6158 9111 100	2
UBD 74	me	St	for hokal HLE -1 and tirabo recessed and recessed panel luminaire-1	7995 0742 100	2
WSPZ 1500	me	StZn	for tirabo module 100/200	7996 1560 100	2

TRENA direct asymmetrical distribution²⁾, recessed luminaire



IP 20



100,000 hours L80/B10 (Tq 35°C), 50,000 hours L90/B10 (Tq 35°C)

Type	Module	Configuration	Ballast	930	940	vw	sw	lm/W	P _{sys} [W]
Art. No.: Basis with light colour								+ _ Final number housing colour	
<i>OptiLens® direct asymmetric distribution</i>									
TRENA	/1500-1	LED 3900	DALI2 ¹⁾	6158 3036 65_		0		156	25
		LED 4100	DALI2 ¹⁾		6158 3046 65_	0		162	25
		LED 5400-2800	ETM	6158 3033 15_		0		160-151	17-36
		LED 5600-2900	ETM		6158 3043 15_	0		166-157	17-36

¹⁾Luminaires suitable for the IoT (Internet of Things):

²⁾Requirements regarding glare for classrooms in accordance with DIN EN 12464-1 (UGR<=19) are met.

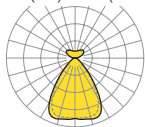
Accessories	Type	Colour	Material	Details	Art. No.	
End faces	tirabo-TRES -1	vw RAL 9016	St	for tirabo TRES, 1 rows	6158 9100 100	2
	tirabo-TRES -1-73	vw RAL 9016	St	for tirabo module 1-73mm compensation end face for existing luminaire	6158 9101 100	
	tirabo-TRES -2	vw RAL 9016	St	for tirabo TRES, 2 rows	6158 9200 100	2
	tirabo-TRES -2-73	vw RAL 9016	St	for tirabo module 2-73mm compensation end face for existing luminaire	6158 9201 100	
	tirabo-TRES module /100	vw RAL 9016	St	for tirabo module 100	6158 9110 100	2
	tirabo-TRES module /100-73	vw RAL 9016	St	for tirabo module 100-73mm compensating end face for old luminaire	6158 9111 100	2
	tirabo-TRES module /200	vw RAL 9016	St	for tirabo module 200	6158 9210 100	2
	tirabo-TRES module /200-73	vw RAL 9016	St	for tirabo module 200-73mm compensating end face for old luminaire	6158 9211 100	2
through-wiring	FLVWR 1500	ws	H05V2-U	5x1.5mm ² for trunking-compatible surface-mounted and pendant luminaires	1945 1580 100	1
Mounting bracket	UBD 122	me	St	for hokal-HLE -2 and tirabo recessed luminaire -2	7995 1222 100	2
	UBD 168	me	St	for tirabo recessed panel luminaire -2	7995 1682 100	2
	UBD 74	me	St	for hokal HLE -1 and tirabo recessed and recessed panel luminaire-1	7995 0742 100	2
Mounting rail	WSPZ 1200	me	StZn	for tirabo module 100/200	7996 1260 100	2
	WSPZ 1500	me	StZn	for tirabo module 100/200	7996 1560 100	2
fuse	SCT CLIPS	me	St	for TR, UE, RSEX, PRE..., in exposed T-bar ceilings	7995 0000 100	4

tirabo suspended luminaires

TRHINB direct/indirect wide distribution, suspended luminaire (continuous row feed-in luminaire)



75° (C0)/70° (C90)



UGR 15-16

IP 20



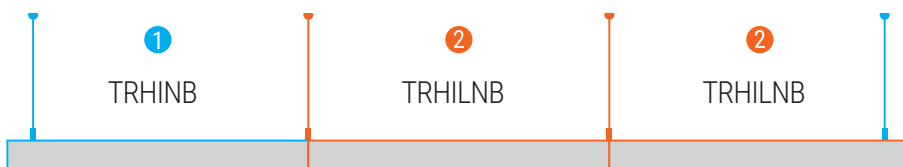
100,000 hours L80/B10 (Tq 35°C), 50,000 hours L90/B10 (Tq 35°C)

Type	Module	Configuration	Ballast	927-965	930	940	vw	sw	lm/W	P _{sys} [W]
Art. No.: Basis with light colour									+ _ Final number housing colour	
<i>OptiLens® direct/indirect wide distribution VDU*</i>										
TRHINB	/1200-1	LED 4500	DALI2 ¹⁾		6154 1016 61_		0	4	138	33
		LED 4700	DALI2 ¹⁾			6154 1026 61_	0	4	144	33
		LED 5300-3200	ETM		6154 1013 11_		0	4	144-135	23-40
		LED 5600-3400	ETM			6154 1023 11_	0	4	149-140	23-40
/1200-2		LED 4600	DALI2 ¹⁾		6154 2016 61_		0	4	141	32
		LED 4700	DALI2 ¹⁾			6154 2026 61_	0	4	147	32
		LED 5400-3300	ETM		6154 2013 11_		0	4	146-138	22-39
		LED 5600-3400	ETM			6154 2023 11_	0	4	152-144	22-39
/1500-1		LED 5200	DALI DT8 ²⁾	6154 3076 91_			0	4	138	38
		LED 5300	DALI2 ¹⁾		6154 3016 61_		0	4	140	38
		LED 5500	DALI2 ¹⁾			6154 3026 61_	0	4	146	38
		LED 6300-3800	ETM		6154 3013 11_		0	4	145-137	26-46
		LED 6500-3900	ETM			6154 3023 11_	0	4	151-143	26-46
/1500-2		LED 5300	DALI2 ¹⁾		6154 4016 61_		0	4	144	37
		LED 5600	DALI2 ¹⁾			6154 4026 61_	0	4	150	37
		LED 6300-3800	ETM		6154 4013 11_		0	4	149-141	26-45
		LED 6600-4000	ETM			6154 4023 11_	0	4	155-147	26-45

¹⁾Luminaires suitable for the IoT (Internet of Things):


²⁾Luminaires with tunable white technology suitable for Human Centric Lighting (HCL):

*For VDU compatibility, see the operating data table on the website or in the product data sheet.

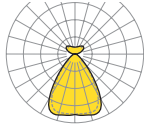


- ① Suspended individual luminaire
- ② Suspended light run



TRHILNB direct/indirect wide distribution, suspended luminaire (light run)



75° (C0)/70° (C90)





UGR 15-16 IP 20



100,000 hours L80/B10 (Tq 35°C), 50,000 hours L90/B10 (Tq 35°C)

Type	Module	Configuration	Ballast	930	940	vw	sw	lm/W	P _{sys} [W]
Art. No.: Basis with light colour								+ _ Final number housing colour	
<i>OptiLens® direct/indirect wide distribution VDU*</i>									
TRHILNB	/1200-1	LED 4500	DALI2 ¹⁾	6155 1016 61_		0	4	138	33
		LED 4700	DALI2 ¹⁾		6155 1026 61_	0	4	144	33
		LED 5300-3200	ETM	6155 1013 11_		0	4	144-135	23-40
		LED 5600-3400	ETM		6155 1023 11_	0	4	149-140	23-40
	/1200-2	LED 4600	DALI2 ¹⁾	6155 2016 61_		0	4	141	32
		LED 4700	DALI2 ¹⁾		6155 2026 61_	0	4	147	32
		LED 5400-3300	ETM	6155 2013 11_		0	4	146-138	22-39
		LED 5600-3400	ETM		6155 2023 11_	0	4	152-144	22-39
	/1500-1	LED 5300	DALI2 ¹⁾	6155 3016 61_		0	4	140	38
		LED 5500	DALI2 ¹⁾		6155 3026 61_	0	4	146	38
		LED 6300-3800	ETM	6155 3013 11_		0	4	145-137	26-46
		LED 6500-3900	ETM		6155 3023 11_	0	4	151-143	26-46
	/1500-2	LED 5300	DALI2 ¹⁾	6155 4016 61_		0	4	144	37
		LED 5600	DALI2 ¹⁾		6155 4026 61_	0	4	150	37
		LED 6300-3800	ETM	6155 4013 11_		0	4	149-141	26-45
		LED 6600-4000	ETM		6155 4023 11_	0	4	155-147	26-45

TRHNA direct asymmetrical distribution²⁾, suspended luminaire (continuous row feed-in luminaire)





IP 20

100,000 hours L80/B10 (Tq 35°C), 50,000 hours L90/B10 (Tq 35°C)

Type	Module	Configuration	Ballast	930	940	vw	sw	lm/W	P _{sys} [W]
Art. No.: Basis with light colour								+ _ Final number housing colour	
<i>OptiLens® direct asymmetric distribution</i>									
TRHNA	/1500-1	LED 5400-3200	ETM	6154 3033 15_		0		158-151	20-36
		LED 5400	DALI2 ¹⁾	6154 3036 65_		0		151	36
		LED 5600-3300	ETM		6154 3043 15_	0		165-157	20-36
		LED 5600	DALI2 ¹⁾		6154 3046 65_	0		157	36


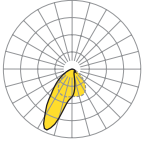


¹⁾ Luminaires suitable for the IoT (Internet of Things): 

²⁾ Requirements regarding glare for classrooms in accordance with DIN EN 12464-1 (UGR<=19) are met.

*For VDU compatibility, see the operating data table on the website or in the product data sheet.

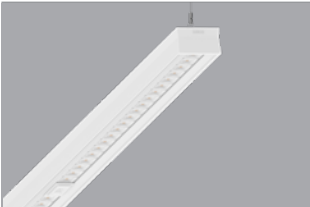



tirabo suspended luminaires

TRHLNA direct asymmetrical distribution**, suspended luminaire (light run)


				100,000 hours L80/B10 (Tq 35°C), 50,000 hours L90/B10 (Tq 35°C)		IP 20			
Type	Module	Configuration	Ballast	930	940	vw	sw	lm/W	P _{sys} [W]
Art. No.: Basis with light colour							+ _ Final number housing colour		
<i>OptiLens® direct asymmetric distribution</i>									
TRHLNA	/1500-1	LED 5400-3200	ETM	6155 3033 15_		0		158-151	20-36
		LED 5400	DALI2 ¹⁾	6155 3036 65_		0		151	36
		LED 5600-3300	ETM		6155 3043 15_	0		165-157	20-36
		LED 5600	DALI2 ¹⁾		6155 3046 65_	0		157	36

tirabo suspended luminaire with UV-B emitter

TRHINB direct/indirect wide distribution, suspended luminaire **1800 mm**

		75° (C0)/70° (C90)		100,000 hours L80/B10 (Tq 35°C), 50,000 hours L90/B10 (Tq 35°C)		UGR 15-16	IP 20				
Type	Module	Configuration	Ballast	927-965	930	940	vw	sw	lm/W	P _{sys} [W]	
Art. No.: Basis with light colour							+ _ Final number housing colour				
<i>OptiLens® direct/indirect wide distribution VDU* LumiD³ UV-B emitter</i>											
TRHINB	/1800-1	LED 6100	DALI2 ¹⁾		6154 7056 61_		0	4	142	43	
		LED 6300	DALI2 ¹⁾			6154 7066 61_	0	4	148	43	
		LED 6600	DALI DT8 ²⁾	6154 7076 91_		0	4	137	48		
	/1800-2	LED 6100	DALI2 ¹⁾		6154 8056 61_		0	4	146	42	
		LED 6400	DALI2 ¹⁾			6154 8066 61_	0	4	151	42	


¹⁾Luminaires suitable for the IoT (Internet of Things): 

²⁾Luminaires with tunable white technology suitable for Human Centric Lighting (HCL): 

³⁾UV-B: Recommended luminaire mounting height above the floor: 2 m (with LumiD³ UV-B emitter)

*For VDU compatibility, see the operating data table on the website or in the product data sheet.


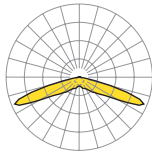

** Requirements regarding glare for classrooms in accordance with DIN EN 12464-1 (UGR<=19) are met.

Accessories	Type	Colour	Material	Details	Art. No.		
Blind unit	TRHLB /1200-1	vw RAL 9016	St	Blind unit for tirabo suspended luminaires-1	6155 0840 100	1	
		sw RAL 9005	St		6155 0840 104	1	
	TRHLB /1200-2	vw RAL 9016	St	Blind unit for tirabo suspended luminaires-2	6155 0850 100	1	
		sw RAL 9005	St		6155 0850 104	1	
	TRHLB /600-1	vw RAL 9016	St	Blind unit for tirabo suspended luminaires-1	6155 0820 100	1	
		sw RAL 9005	St		6155 0820 104	1	
	TRHLB /600-2	vw RAL 9016	St	Blind unit for tirabo suspended luminaires-2	6155 0830 100	1	
		sw RAL 9005	St		6155 0830 104	1	
	<i>Structure</i>						
	Luminaire corner connector	tirabo-TRVE	vw RAL 9016	St	L 90° for tirabo	6159 0700 100	1
sw RAL 9005			St	L 90° for tirabo	6159 0700 104	1	
<i>Electrical engineering*</i>							
Emergency lighting surface-mounting set	TR-NL DA B3	ws	St	Surface-mounting set with 3-hour emergency lighting for tirabo	6159 0500 100	1	
		sw	St	Surface-mounting set with 3-hour emergency lighting for tirabo	6159 0500 104	1	
	TR-NL DA B3S	ws	St	Surface-mounting set with 3-hour emergency lighting and self-test for tirabo	6159 0520 100	1	
		sw	St	Surface-mounting set with 3-hour emergency lighting and self-test for tirabo	6159 0520 104	1	
	TR-NL DA B3W	ws	St	Surface-mounting set with 3-hour emergency lighting and wireless monitoring for tirabo	6159 0590 100	1	
		sw	St	Surface-mounting set with 3-hour emergency lighting and wireless monitoring for tirabo	6159 0590 104	1	
	TR-NL XB B3	ws	St	Surface-mounting set with 3-hour emergency lighting for tirabo	6159 0510 100	1	
		sw	St	Surface-mounting set with 3-hour emergency lighting for tirabo	6159 0510 104	1	
	TR-NL XB B3S	ws	St	Surface-mounting set with 3-hour emergency lighting and self-test for tirabo	6159 0530 100	1	
		sw	St	Surface-mounting set with 3-hour emergency lighting and self-test for tirabo	6159 0530 104	1	
	TR-NL XB B3W	ws	St	Surface-mounting set with 3-hour emergency lighting and wireless monitoring for tirabo	6159 0600 100	1	
		sw	St	Surface-mounting set with 3-hour emergency lighting and wireless monitoring for tirabo	6159 0600 104	1	
	<i>Control technology</i>						
	Sensor surface-mounting set	TR-SE EASY68	vw RAL 9016	St	netlife module EASY68 for tirabo	6159 0580 100	1
			sw RAL 9005	St	netlife module EASY68 for tirabo	6159 0580 104	1
		TR-SE FLEX10L	vw RAL 9016	St	netlife module FLEX10L for tirabo	6159 0560 100	1
			sw RAL 9005	St	netlife module FLEX10L for tirabo	6159 0560 104	1
		TR-SE FLEX10SX	vw RAL 9016	St	netlife module FLEX10SX for tirabo	6159 0550 100	1
sw RAL 9005			St	netlife module FLEX10SX for tirabo	6159 0550 104	1	
TR-SE FLEX10X		vw RAL 9016	St	netlife module FLEX10X for tirabo	6159 0570 100	1	
		sw RAL 9005	St	netlife module FLEX10X for tirabo	6159 0570 104	1	


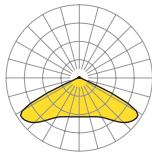

*Further information on pp. 13–14.
Customised solutions (BTO = build-to-order) are available on request.

Accessory: emergency light surface-mounting set


TR-NL B3 DA direct double asymmetrical light distribution

		IP 20			
					
Type	Rated luminous flux 3-hour emergency operation [lm]	Colour	Ballast	LxWxH/DxH [mm]	Art. No.
TR-NL DA B3	280	vw RAL 9016	ET NL-B3 ¹⁾	160 x 85 x 66	6159 0500 100
		sw RAL 9005	ET NL-B3 ¹⁾	160 x 85 x 66	6159 0500 104
TR-NL DA B3S	280	vw RAL 9016	ET NL-B3S ²⁾	160 x 85 x 66	6159 0520 100
		sw RAL 9005	ET NL-B3S ²⁾	160 x 85 x 66	6159 0520 104
TR-NL DA B3W	280	vw RAL 9016	ET NL-B3W ³⁾	160 x 85 x 66	6159 0590 100
		sw RAL 9005	ET NL-B3W ³⁾	160 x 85 x 66	6159 0590 104

TR-NL B3 XB direct wide distribution

		IP 20			
					
Type	Rated luminous flux 3-hour emergency operation [lm]	Colour	Ballast	LxWxH/DxH [mm]	Art. No.
TR-NL XB B3	280	vw RAL 9016	ET NL-B3 ¹⁾	160 x 85 x 66	6159 0510 100
		sw RAL 9005	ET NL-B3 ¹⁾	160 x 85 x 66	6159 0510 104
TR-NL XB B3S	280	vw RAL 9016	ET NL-B3S ²⁾	160 x 85 x 66	6159 0530 100
		sw RAL 9005	ET NL-B3S ²⁾	160 x 85 x 66	6159 0530 104
TR-NL XB B3W	280	vw RAL 9016	ET NL-B3W ³⁾	160 x 85 x 66	6159 0600 100
		sw RAL 9005	ET NL-B3W ³⁾	160 x 85 x 66	6159 0600 104

¹⁾Luminaires with emergency light unit, single battery, 3 hours: 




²⁾Luminaires with emergency light unit, single battery, 3 hours, with integrated self-test: 

³⁾Luminaires with emergency light unit, single battery, 3 hours, with wireless monitoring

Accessory: sensor surface-mounting set

Solution for ED luminaires

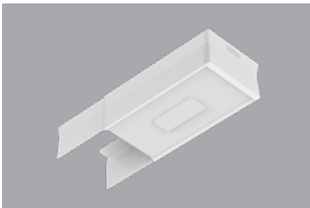
TR-SE EASY68

	IP 20				
					
Type	Colour	Details	LxWxH/DxH [mm]	Art. No.	
TR-SE EASY68	vw RAL 9016	netlife module EASY68 for tirabo	160 x 85 x 66	6159 0580 100	1
	sw RAL 9005	netlife module EASY68 for tirabo	160 x 85 x 66	6159 0580 104	1

Accessory: sensor surface-mounting set

Solution for DALI luminaires

TR-SE FLEX10L



IP 20




Type	Colour	Details	LxWxH/DxH [mm]	Art. No.	
TR-SE FLEX10L	vw RAL 9016	netlife module FLEX10L for tirabo	160 x 85 x 66	6159 0560 100	1
	sw RAL 9005	netlife module FLEX10L for tirabo	160 x 85 x 66	6159 0560 104	1

TR-SE FLEX10X

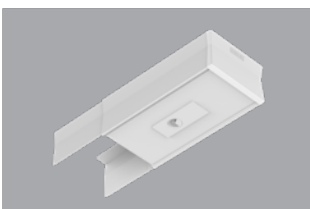


IP 20




Type	Colour	Details	LxWxH/DxH [mm]	Art. No.	
TR-SE FLEX10X	vw RAL 9016	netlife module FLEX10X for tirabo	160 x 85 x 66	6159 0570 100	1
	sw RAL 9005	netlife module FLEX10X for tirabo	160 x 85 x 66	6159 0570 104	1

TR-SE FLEX10SX



IP 20



Type	Colour	Details	LxWxH/DxH [mm]	Art. No.	
TR-SE FLEX10SX	vw RAL 9016	netlife module FLEX10SX for tirabo	160 x 85 x 66	6159 0550 100	1
	sw RAL 9005	netlife module FLEX10SX for tirabo	160 x 85 x 66	6159 0550 104	1


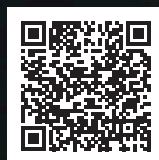
Accessory: sensors	Details	Art. No.	
LC-RX flex BT PB 2W	Bluetooth wall switch 2-channel	8450 8107 100	1
LC-RX flex BT PB 4W	Bluetooth wall switch 4-channel	8450 8108 100	1
LC-RX flex BT PBU 4	Bluetooth push-button coupler	8450 8109 100	1
LC-RX flex BT Sensor LW20 FM	Light/presence sensor for ceiling installation	8450 8106 200	1
Casambi	Casambi app	9999 0007 100	
Tridonic 4remote BT	Tridonic 4remote BT app	9999 0008 100	
LC-HY HRC-12	for netlife module EASY68	8450 9001 100	1

Image index

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