



TRIONA

CEILING, WALL AND PENDANT LUMINAIRES FOR INDOOR USE

TRIONA®

Ceiling, wall and pendant luminaires for indoor use

LIGHT INNOVATION TO THE POWER OF 3

You take a naturally perfect shape like the circle and fill it with astonishingly even light...

the TRIONA recessed luminaire is a lighting tool that lives up to its name by setting new standards in three respects at the same time: visual function, biological effect and emotional light quality.

Ideal for use as part of a Human Centric Lighting (HCL) concept, the series includes versions with tunable white technology. This also makes it possible to generate dynamic lighting, with infinitely variable colour temperature and brightness, simulating the natural course of daylight.

This light-induced support for the human circadian rhythm has been proven to have a positive effect on people's wellbeing and performance. People living in retirement homes or hospitals can benefit in particular from this biological effect, as well as those in offices, conference rooms and classrooms.

In addition, TRIONA in itself generates extremely homogeneous, glare-free, powerful and yet soft light. This is thanks to the RZB SIDELITE® technology, which uses lateral light emission for the rimless illumination of the luminaire body. The series includes versions, which also emit indirect light through the top of the luminaire – ensuring impressive visual and design effects. Despite the additional light emission area, the sizeable top surface of the luminaire does not have any edges or depressions worth mentioning or any visible screws and is therefore quick and easy to clean.

The proportions of the luminaire, which comes in three different diameters, are also remarkable: the high-quality aluminium profile of the housing measures – for a luminaire diameter of up to a metre! – just 50mm, leaving the most space possible in the diffuser for light emission and effect.

Various diffuser versions, including a microprismatic version with $UGR \leq 19$ that is suitable for computer workstations, also expand TRIONA's potential for different applications. The 680mm version of the luminaire can even be enhanced with an elaborately crafted Ferro Murano glass insert, turning it into a unique and precious piece.

Three colours are available for the powder-coated housing. Special colours can also be made for further individualisation. TRIONA is suitable for ceiling and wall installation and is also available as a pendant version.

ADDITIONAL ADVANTAGES

- ⊕ Made in Germany
- ⊕ Ideal for office areas ($UGR \leq 19$) and environments with computer screens in accordance with EN 12464-1
- ⊕ **Lightguide** and **diffuser** made of **non-yellowing PMMA**
- ⊕ This lighting fixture's diffuser is incorporated in a **seamless** extruded aluminium profile just 50 mm thick
- ⊕ Hand-crafted FerroMurano glass inserts available in 3 different colours or an opal/micro-prismatic or an opal diffuser offer an enormous scope of design this distinctive large surface luminaire
- ⊕ Ideal for use as part of a Human Centric Lighting concept (HCL)
- ⊕ Versions with smart+free Bluetooth® control for wireless network and operation using Android/iOS devices, free app available for download





TRIONA®

HCL (Human Centric Lighting)



FEEL BETTER, BE MORE EFFICIENT

During evolution humans have developed a complex system of internal timers, the so-called circadian system by the perception of light and dark, cold and warm, as well as by the change of seasons, with daylight being the natural timer for this rhythm.

Only a few years ago scientists discovered in the eye's retina those cells which are not required for seeing, but are setting our internal timer by suppressing or distributing the hormone melatonin. Now chronobiologists, lighting designers and architects have the chance to decisively improve our living conditions by using dynamic light.

Biologically effective light in "tunable white" versions aims to support the hormone control process by simulating the light colour and intensity of the natural course of daylight.

Changing light moods in the dynamic rhythm of daylight can have an extremely positive influence on wellbeing.

Light management systems such as RZB light control +³ with the appropriate sensor technology can automatically regulate these processes. Versions with the RZB smart+free component allow personal access to light scenarios controlled by an app.



HEALTH

HCL strengthening the biological rhythm of human beings and fostering well-being and good health.



VITALITY

HCL creating a stimulating light to increase vitality and quality of life.



ACTIVITY

HCL increasing in educational institutions and workplaces the performance and ability of focusing.



WELL-BEING

HCL avoiding sleep disorder, stabilising patients in hospitals and nursing homes.







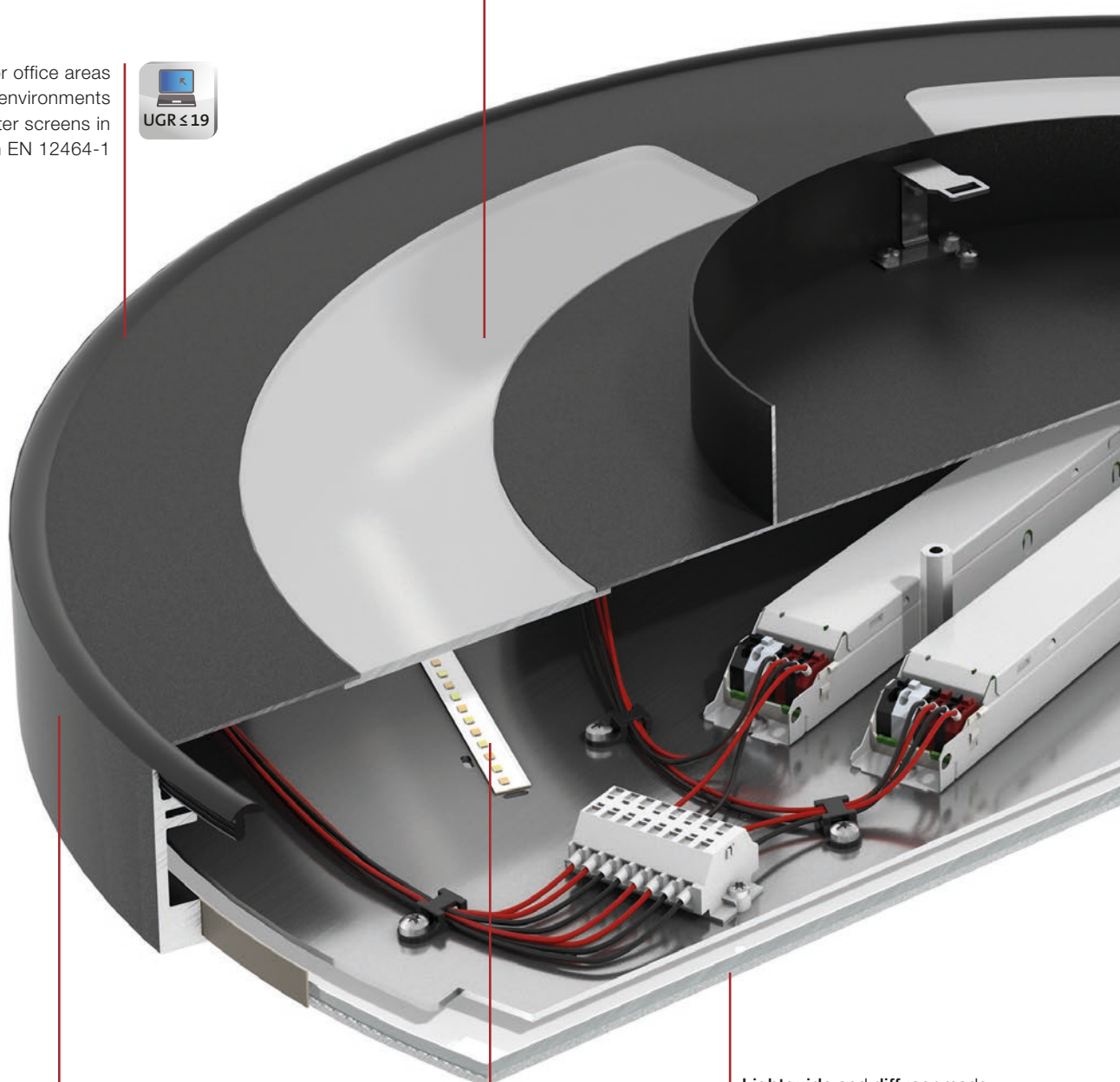
TRIONA®

Technology

Installation plate

Indirect light emission
through **non-yellowing**
plastic (**PMMA**) **diffuser**,
satin finish.

Ideal for office areas
(UGR ≤ 19) and environments
with computer screens in
accordance with EN 12464-1



Lightguide and **diffuser** made
of **non-yellowing PMMA**

3 different colours are available for
the very flat and **seamless**
extruded aluminium profile

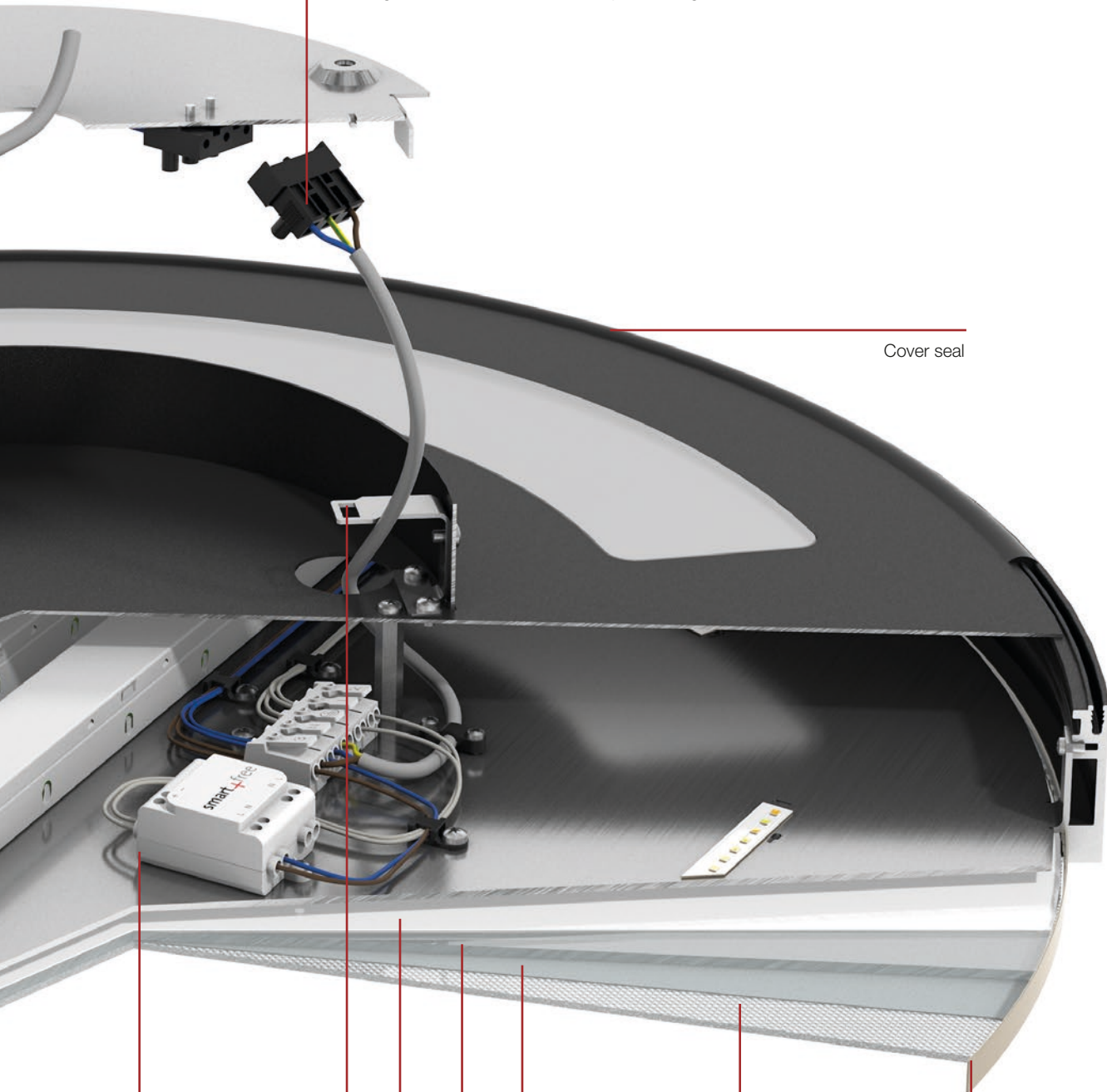


LED for indirect light emission
(830, 840, tunable white)



Very easy plug-in installation
(Quick connector)

Mounting without use of tools, with bayonet fitting



Cover seal

Versions with smart
+ free Bluetooth®
control for wireless
network and oper-
ation using Android
/ IOS devices, free
App available for
download



Opal
diffuser foil

Opal or
micro-prismatic diffuser
(optionally with
glass FerroMurano)

Lightguide

Reflector foil

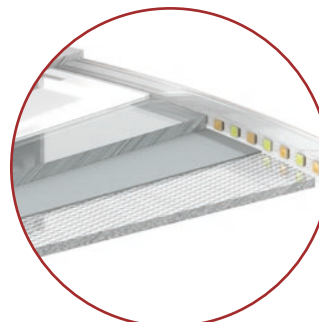


Bracket for
tool-free assembly



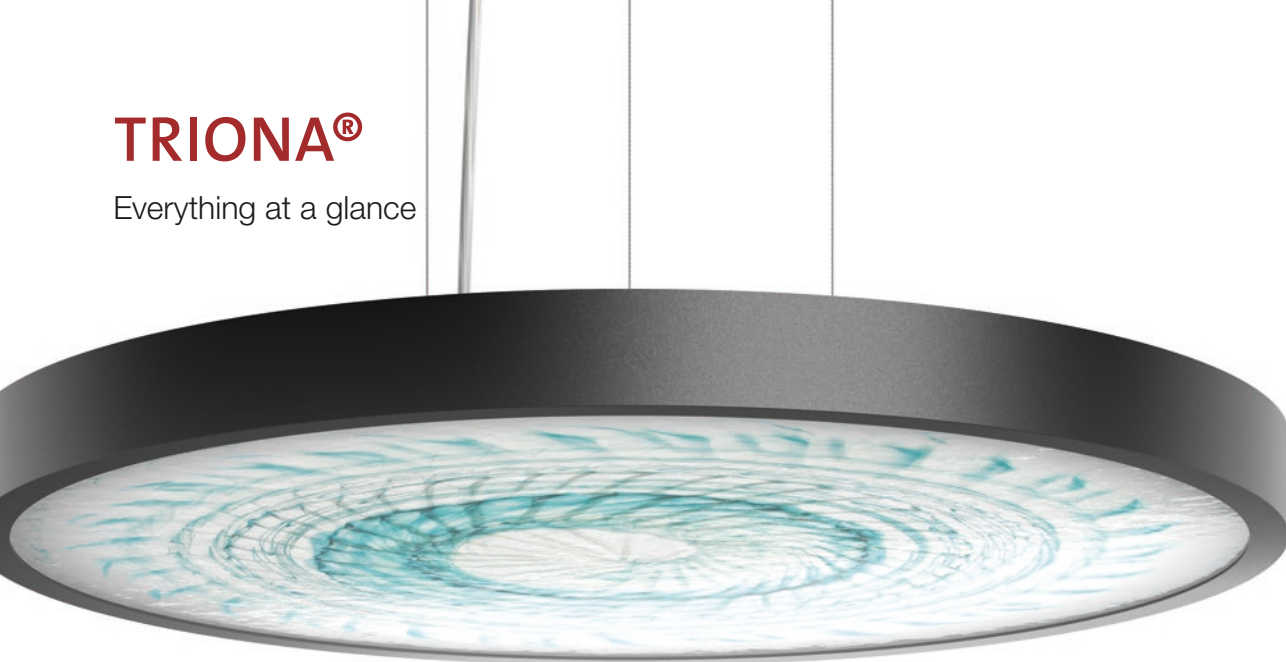
LED for direct light emission
(830, 840, tunable white)

RZB SIDELITE® technology:
lateral light injection for
extremely homogeneous
light distribution and
rimless illumination



TRIONA®

Everything at a glance



3 SIZES

D 681 mm
D 845 mm
D 1009 mm



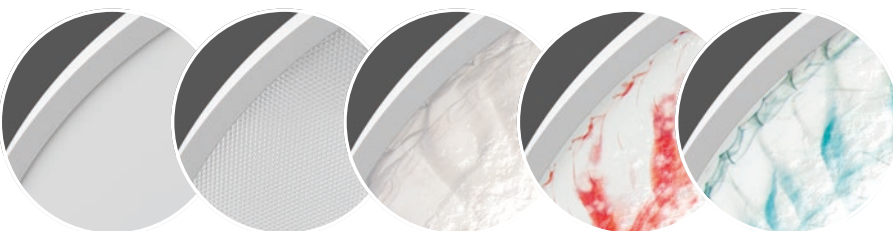
3 COLOURS

white
anthracite metallic
silver metallic



3 DIFFUSERS

Plastic (PMMA) opal,
Plastic (PMMA) microprismatic
Glass FerroMurano (white, red and blue)



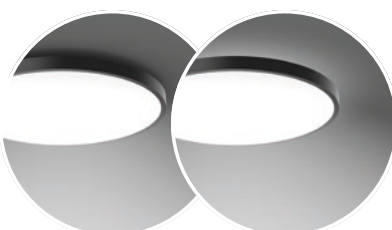
3 LIGHT COLOURS

830
840
Tunable White



2 LIGHT EMISSION CHARACTERISTICS

direct
direct/indirect





(B)RIGHT POINTS

- ⊕ RZB SIDELITE® technology: lateral light injection for extremely homogeneous light distribution and rimless illumination
- ⊕ Direct or direct/indirect light emission
- ⊕ Tunable White versions, dynamically adjustable from 2700 K to 6500 K
- ⊕ Colour rendering index $R_a > 80$
- ⊕ Direct and indirect light emission through diffuser
Lightguide and **diffuser** made of **non-yellowing PMMA**
- ⊕ Ideal for office areas ($UGR \leq 19$) and environments with computer screens in accordance with EN 12464-1
- ⊕ LED rated life 50,000 h (L70, B10)
- ⊕ Colour consistency within 3-steps MacAdam (3 SDCM)
- ⊕ Ideal for use as part of a Human Centric Lighting concept (HCL)



Applies to versions with .76

Comparison LED vs. conventional lamps

LED 33 / 40 W ≈

1 x 22 + 40 W T16-R (70 W EB)

LED 49 / 61 / 68 W ≈

3 x 28 W T16 (92 W EB)

LED 70 / 76 / 85 W ≈

4 x 28 W T16 (122 W EB)

LED 89 W ≈

4 x 35 W T16 (150 W EB)

LED 110 / 122 W ≈

4 x 49 W T16 (212 W EB)



Diffuser: plastic (PMMA), opal

Ceiling and wall luminaires | Triona

Type of Protection: IP 20

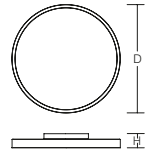
Protection Class: I

Impact Protection: IK03

Cover: sheet steel, powder-coated. Frame: aluminium, powder-coated. Lateral light emission for direct illumination through non-yellowing plastic (PMMA) opal diffuser. Indirect light emission through non-yellowing plastic (PMMA) diffuser, satin finish. Integral driver.

Available colours (X): 2 = white, 31 = anthracite metallic, 4 = silver metallic

Versions with smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.



Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	UGR	dimmi-able	EEC	€ gross without VAT
Ceiling and wall luminaires - Direct light emission									Price Category 21

Diameter D 681 mm

312383.00X	D 681, H 88	LED	830	3350 lm	33 W	20,1	on/off	A++	1000,00
312383.00X.730	D 681, H 88	LED	830	3350 lm	33 W	20,1	smart+free	A++	1150,00
312383.00X.76	D 681, H 88	LED	830	3350 lm	33 W	20,1	DALI	A++	1050,00
312383.00X.1	D 681, H 88	LED	840	3500 lm	33 W	20,3	on/off	A++	1000,00
312383.00X.1.730	D 681, H 88	LED	840	3500 lm	33 W	20,3	smart+free	A++	1150,00
312383.00X.1.76	D 681, H 88	LED	840	3500 lm	33 W	20,3	DALI	A++	1050,00

Tunable White - 2700 K to 6500 K

312383.00X.2.730	D 681, H 88	LED	827-865	3350 lm	40 W	20,1	smart+free	A++	1200,00
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Diameter D 845 mm

312387.00X	D 845, H 88	LED	830	7250 lm	70 W	21,2	on/off	A++	1200,00
312387.00X.730	D 845, H 88	LED	830	7250 lm	70 W	21,2	smart+free	A++	1350,00
312387.00X.76	D 845, H 88	LED	830	7250 lm	70 W	21,2	DALI	A++	1250,00
312387.00X.1	D 845, H 88	LED	840	7500 lm	70 W	21,3	on/off	A++	1200,00
312387.00X.1.730	D 845, H 88	LED	840	7500 lm	70 W	21,3	smart+free	A++	1350,00
312387.00X.1.76	D 845, H 88	LED	840	7500 lm	70 W	21,3	DALI	A++	1250,00

Tunable White - 2700 K to 6500 K

312387.00X.2.730	D 845, H 88	LED	827-865	4800 lm	49 W	19,7	smart+free	A++	1400,00
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Diameter D 1009 mm

312391.00X	D 1009, H 88	LED	830	8400 lm	89 W	20,4	on/off	A++	1650,00
312391.00X.730	D 1009, H 88	LED	830	8400 lm	89 W	20,4	smart+free	A++	1800,00
312391.00X.76	D 1009, H 88	LED	830	8400 lm	89 W	20,4	DALI	A++	1700,00
312391.00X.1	D 1009, H 88	LED	840	8700 lm	89 W	20,5	on/off	A++	1650,00
312391.00X.1.730	D 1009, H 88	LED	840	8700 lm	89 W	20,4	smart+free	A++	1800,00
312391.00X.1.76	D 1009, H 88	LED	840	8700 lm	89 W	20,4	DALI	A++	1700,00

Tunable White - 2700 K to 6500 K

312391.00X.2.730	D 1009, H 88	LED	827-865	5700 lm	61 W	19,1	smart+free	A++	1850,00
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Ceiling and wall luminaires - Direct/indirect light emission

Price Category 21

Diameter D 681 mm

312384.00X	D 681, H 88	LED	830	6000 lm	68 W	18,9	on/off	A++	1200,00
312384.00X.730	D 681, H 88	LED	830	6000 lm	68 W	18,9	smart+free	A++	1350,00
312384.00X.76	D 681, H 88	LED	830	6000 lm	68 W	18,9	DALI	A++	1250,00
312384.00X.1	D 681, H 88	LED	840	6250 lm	68 W	19,1	on/off	A++	1200,00
312384.00X.1.730	D 681, H 88	LED	840	6250 lm	68 W	19,1	smart+free	A++	1350,00
312384.00X.1.76	D 681, H 88	LED	840	6250 lm	68 W	19,1	DALI	A++	1250,00

Tunable White - 2700 K to 6500 K

312384.00X.2.730	D 681, H 88	LED	827-865	4600 lm	61 W	18,0	smart+free	A++	1400,00
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Diameter D 845 mm

312388.00X	D 845, H 88	LED	830	9500 lm	110 W	19,1	on/off	A++	1450,00
312388.00X.730	D 845, H 88	LED	830	9500 lm	110 W	19,1	smart+free	A++	1600,00
312388.00X.76	D 845, H 88	LED	830	9500 lm	110 W	19,1	DALI	A++	1500,00
312388.00X.1	D 845, H 88	LED	840	9900 lm	110 W	19,2	on/off	A++	1450,00
312388.00X.1.730	D 845, H 88	LED	840	9900 lm	110 W	19,2	smart+free	A++	1600,00
312388.00X.1.76	D 845, H 88	LED	840	9900 lm	110 W	19,2	DALI	A++	1500,00

Tunable White - 2700 K to 6500 K

312388.00X.2.730	D 845, H 88	LED	827-865	6800 lm	76 W	16,9	smart+free	A++	1650,00
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Diameter D 1009 mm

312392.00X	D 1009, H 88	LED	830	11300 lm	122 W	18,4	on/off	A++	1850,00
312392.00X.730	D 1009, H 88	LED	830	11300 lm	122 W	18,4	smart+free	A++	2000,00
312392.00X.76	D 1009, H 88	LED	830	11300 lm	122 W	18,4	DALI	A++	1900,00
312392.00X.1	D 1009, H 88	LED	840	11800 lm	122 W	18,6	on/off	A++	1850,00
312392.00X.1.730	D 1009, H 88	LED	840	11800 lm	122 W	18,6	smart+free	A++	2000,00
312392.00X.1.76	D 1009, H 88	LED	840	11800 lm	122 W	18,6	DALI	A++	1900,00

Tunable White - 2700 K to 6500 K

312392.00X.2.730	D 1009, H 88	LED	827-865	7400 lm	85 W	16,6	smart+free	A++	2050,00
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Light colour 827 on request.

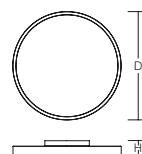
Ceiling and wall luminaires | Triona

Type of Protection: IP 20
Protection Class: I
Impact Protection: IK03

Cover: sheet steel, powder-coated. Frame: aluminium, powder-coated. Lateral light emission for direct illumination through non-yellowing plastic (PMMA) opal/microprismatic diffuser (screen-compliant in accordance with EN-12464-1). Indirect light emission through non-yellowing plastic (PMMA) diffuser, satin finish. Integral driver.

Available colours (X): 2 = white, 31 = anthracite metallic, 4 = silver metallic

Versions with smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.



Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	UGR	dim-able	EEC	€ gross without VAT
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Ceiling and wall luminaires - Direct light emission

Price Category 21

Diameter D 681 mm

312296.00X	D 681, H 88	LED	830	3550 lm	33 W	18,5	on/off	A++	1000,00
312296.00X.730	D 681, H 88	LED	830	3550 lm	33 W	18,5	smart+free	A++	1150,00
312296.00X.76	D 681, H 88	LED	830	3550 lm	33 W	18,5	DALI	A++	1050,00
312296.00X.1	D 681, H 88	LED	840	3700 lm	33 W	18,6	on/off	A++	1000,00
312296.00X.1.730	D 681, H 88	LED	840	3700 lm	33 W	18,6	smart+free	A++	1150,00
312296.00X.1.76	D 681, H 88	LED	840	3700 lm	33 W	18,6	DALI	A++	1050,00

Tunable White - 2700 K to 6500 K

312296.00X.2.730	D 681, H 88	LED	827-865	3550 lm	40 W	18,0	smart+free	A++	1200,00
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Diameter D 845 mm

312299.00X	D 845, H 88	LED	830	7600 lm	70 W	18,9	on/off	A++	1250,00
312299.00X.730	D 845, H 88	LED	830	7600 lm	70 W	18,9	smart+free	A++	1400,00
312299.00X.76	D 845, H 88	LED	830	7600 lm	70 W	18,9	DALI	A++	1300,00
312299.00X.1	D 845, H 88	LED	840	7900 lm	70 W	19,0	on/off	A++	1250,00
312299.00X.1.730	D 845, H 88	LED	840	7900 lm	70 W	19,0	smart+free	A++	1400,00
312299.00X.1.76	D 845, H 88	LED	840	7900 lm	70 W	19,0	DALI	A++	1300,00

Tunable White - 2700 K to 6500 K

312299.00X.2.730	D 845, H 88	LED	827-865	5050 lm	49 W	18,0	smart+free	A++	1450,00
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Diameter D 1009 mm

312302.00X	D 1009, H 88	LED	830	8850 lm	89 W	18,6	on/off	A++	1700,00
312302.00X.730	D 1009, H 88	LED	830	8850 lm	89 W	18,6	smart+free	A++	1850,00
312302.00X.76	D 1009, H 88	LED	830	8850 lm	89 W	18,6	DALI	A++	1750,00
312302.00X.1	D 1009, H 88	LED	840	9200 lm	89 W	18,8	on/off	A++	1700,00
312302.00X.1.730	D 1009, H 88	LED	840	9200 lm	89 W	18,8	smart+free	A++	1850,00
312302.00X.1.76	D 1009, H 88	LED	840	9200 lm	89 W	18,8	DALI	A++	1750,00

Tunable White - 2700 K to 6500 K

312302.00X.2.730	D 1009, H 88	LED	827-865	6000 lm	61 W	16,8	smart+free	A++	1900,00
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Ceiling and wall luminaires - Direct/indirect light emission

Price Category 21

Diameter D 681 mm

312297.00X	D 681, H 88	LED	830	6300 lm	68 W	17,2	on/off	A++	1200,00
312297.00X.730	D 681, H 88	LED	830	6300 lm	68 W	17,2	smart+free	A++	1350,00
312297.00X.76	D 681, H 88	LED	830	6300 lm	68 W	17,2	DALI	A++	1250,00
312297.00X.1	D 681, H 88	LED	840	6550 lm	68 W	17,5	on/off	A++	1200,00
312297.00X.1.730	D 681, H 88	LED	840	6550 lm	68 W	17,5	smart+free	A++	1350,00
312297.00X.1.76	D 681, H 88	LED	840	6550 lm	68 W	17,5	DALI	A++	1250,00

Tunable White - 2700 K to 6500 K

312297.00X.2.730	D 681, H 88	LED	827-865	4800 lm	61 W	16,1	smart+free	A++	1400,00
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Diameter D 845 mm

312300.00X	D 845, H 88	LED	830	10000 lm	110 W	16,7	on/off	A++	1500,00
312300.00X.730	D 845, H 88	LED	830	10000 lm	110 W	16,7	smart+free	A++	1650,00
312300.00X.76	D 845, H 88	LED	830	10000 lm	110 W	16,7	DALI	A++	1550,00
312300.00X.1	D 845, H 88	LED	840	10400 lm	110 W	16,9	on/off	A++	1500,00
312300.00X.1.730	D 845, H 88	LED	840	10400 lm	110 W	16,9	smart+free	A++	1650,00
312300.00X.1.76	D 845, H 88	LED	840	10400 lm	110 W	16,9	DALI	A++	1550,00

Tunable White - 2700 K to 6500 K

312300.00X.2.730	D 845, H 88	LED	827-865	7200 lm	76 W	16,0	smart+free	A++	1700,00
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Diameter D 1009 mm

312303.00X	D 1009, H 88	LED	830	11900 lm	122 W	16,8	on/off	A++	1900,00
312303.00X.730	D 1009, H 88	LED	830	11900 lm	122 W	16,8	smart+free	A++	2050,00
312303.00X.76	D 1009, H 88	LED	830	11900 lm	122 W	16,8	DALI	A++	1950,00
312303.00X.1	D 1009, H 88	LED	840	12400 lm	122 W	16,9	on/off	A++	1900,00
312303.00X.1.730	D 1009, H 88	LED	840	12400 lm	122 W	16,9	smart+free	A++	2050,00
312303.00X.1.76	D 1009, H 88	LED	840	12400 lm	122 W	16,9	DALI	A++	1950,00

Tunable White - 2700 K to 6500 K

312303.00X.2.730	D 1009, H 88	LED	827-865	7750 lm	85 W	15,3	smart+free	A++	2100,00
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Light colour 827 on request.



Applies to versions with .76

Comparison LED vs. conventional lamps

LED 33 / 40 W ≈

1 x 22 + 40 W T16-R (70 W EB)

LED 49 / 61 / 68 W ≈

3 x 28 W T16 (92 W EB)

LED 70 / 76 / 85 W ≈

4 x 28 W T16 (122 W EB)

LED 89 W ≈

4 x 35 W T16 (150 W EB)

LED 110 / 122 W ≈

4 x 49 W T16 (212 W EB)



Diffuser plastic (PMMA)
opal/microprismatic



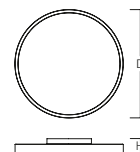
Ceiling and wall luminaires | Triona FerroMurano

Type of Protection: IP 20
Protection Class: I
Impact Protection: IK02

Cover: sheet steel, powder-coated. Frame: aluminium, powder-coated. Lateral light emission for direct illumination through handmade FerroMurano coloured glass. Indirect light emission through non-yellowing plastic (PMMA) diffuser, satin finish. Integral driver.

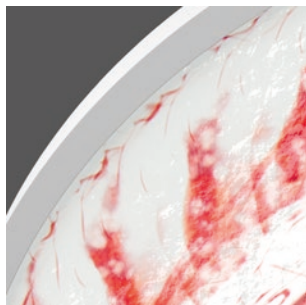
Available colours (X): 2 = white, 31 = anthracite metallic, 4 = silver metallic

Versions with smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

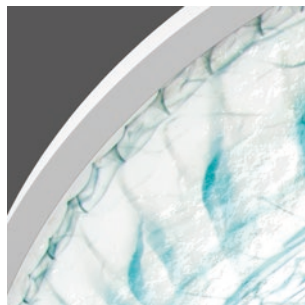


Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimming	EEC	€ gross without VAT
Ceiling and wall luminaires - Direct/indirect light emission								Price Category 21
Diameter D 681 mm								
Glass FerroMurano red								
312291.00X	D 681, H 88	LED	830	4300 lm	68 W	on/off	A++	1450,00
312291.00X.730	D 681, H 88	LED	830	4300 lm	68 W	smart+free	A++	1600,00
312291.00X.76	D 681, H 88	LED	830	4300 lm	68 W	DALI	A++	1500,00
312291.00X.1	D 681, H 88	LED	840	4450 lm	68 W	on/off	A++	1450,00
312291.00X.1.730	D 681, H 88	LED	840	4450 lm	68 W	smart+free	A++	1600,00
312291.00X.1.76	D 681, H 88	LED	840	4450 lm	68 W	DALI	A++	1500,00
Glass FerroMurano blue								
312292.00X	D 681, H 88	LED	830	5150 lm	68 W	on/off	A++	1450,00
312292.00X.730	D 681, H 88	LED	830	5150 lm	68 W	smart+free	A++	1600,00
312292.00X.76	D 681, H 88	LED	830	5150 lm	68 W	DALI	A++	1500,00
312292.00X.1	D 681, H 88	LED	840	5350 lm	68 W	on/off	A++	1450,00
312292.00X.1.730	D 681, H 88	LED	840	5350 lm	68 W	smart+free	A++	1600,00
312292.00X.1.76	D 681, H 88	LED	840	5350 lm	68 W	DALI	A++	1500,00
Glass FerroMurano white								
312290.00X	D 681, H 88	LED	830	5800 lm	68 W	on/off	A++	1450,00
312290.00X.730	D 681, H 88	LED	830	5800 lm	68 W	smart+free	A++	1600,00
312290.00X.76	D 681, H 88	LED	830	5800 lm	68 W	DALI	A++	1500,00
312290.00X.1	D 681, H 88	LED	840	6000 lm	68 W	on/off	A++	1450,00
312290.00X.1.730	D 681, H 88	LED	840	6000 lm	68 W	smart+free	A++	1600,00
312290.00X.1.76	D 681, H 88	LED	840	6000 lm	68 W	DALI	A++	1500,00

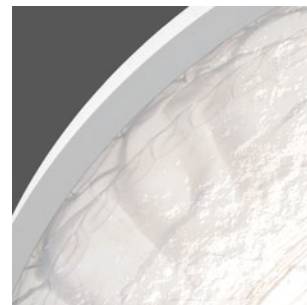
Luminaire flux and UGR of each luminaire vary due to the difference in colour intensity and structure of the glasses. Light colour 827 on request.



Glass FerroMurano red



Glass FerroMurano blue



Glass FerroMurano white

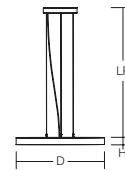
Pendant luminaires | Triona FerroMurano

Type of Protection: IP 20
Protection Class: I
Impact Protection: IK02
Suspension Length: 500-1200 mm

Cover: sheet steel, powder-coated. Frame: aluminium, powder-coated. Lateral light emission for direct illumination through handmade FerroMurano coloured glass. Indirect light emission through non-yellowing plastic (PMMA) diffuser, satin finish. Canopy: aluminium, powder-coated 3-point steel cable suspension, steplessly adjustable. Special lengths available on request. Integral driver.

Available colours (X): 2 = white, 31 = anthracite metallic, 4 = silver metallic

Versions with smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.



Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimmi-able	EEC	€ gross without VAT
Pendant luminaires - Direct light emission								
Price Category 21								
Diameter D 681 mm, Canopy Ø 263 mm, h 40 mm								
Glass FerroMurano blue								
312359.00X	D 681, H 52	LED	830	4700 lm	57 W	on/off	A++	1250,00
312359.00X.730	D 681, H 52	LED	830	4700 lm	57 W	smart+free	A++	1400,00
312359.00X.76	D 681, H 52	LED	830	4700 lm	57 W	DALI	A++	1300,00
312359.00X.1	D 681, H 52	LED	840	4900 lm	57 W	on/off	A++	1250,00
312359.00X.1.730	D 681, H 52	LED	840	4900 lm	57 W	smart+free	A++	1400,00
312359.00X.1.76	D 681, H 52	LED	840	4900 lm	57 W	DALI	A++	1300,00
Glass FerroMurano red								
312358.00X	D 681, H 52	LED	830	3850 lm	57 W	on/off	A++	1250,00
312358.00X.730	D 681, H 52	LED	830	3850 lm	57 W	smart+free	A++	1400,00
312358.00X.76	D 681, H 52	LED	830	3850 lm	57 W	DALI	A++	1300,00
312358.00X.1	D 681, H 52	LED	840	4000 lm	57 W	on/off	A++	1250,00
312358.00X.1.730	D 681, H 52	LED	840	4000 lm	57 W	smart+free	A++	1400,00
312358.00X.1.76	D 681, H 52	LED	840	4000 lm	57 W	DALI	A++	1300,00
Glass FerroMurano white								
312357.00X	D 681, H 52	LED	830	5350 lm	57 W	on/off	A++	1250,00
312357.00X.730	D 681, H 52	LED	830	5350 lm	57 W	smart+free	A++	1400,00
312357.00X.76	D 681, H 52	LED	830	5350 lm	57 W	DALI	A++	1300,00
312357.00X.1	D 681, H 52	LED	840	5600 lm	57 W	on/off	A++	1250,00
312357.00X.1.730	D 681, H 52	LED	840	5600 lm	57 W	smart+free	A++	1400,00
312357.00X.1.76	D 681, H 52	LED	840	5600 lm	57 W	DALI	A++	1300,00

Pendant luminaires - Direct/indirect light emission								
Price Category 21								
Diameter D 681 mm, Canopy Ø 263 mm, h 40 mm								
Glass FerroMurano blue								
312295.00X	D 681, H 52	LED	830	5150 lm	68 W	on/off	A++	1550,00
312295.00X.730	D 681, H 52	LED	830	5150 lm	68 W	smart+free	A++	1700,00
312295.00X.76	D 681, H 52	LED	830	5150 lm	68 W	DALI	A++	1600,00
312295.00X.1	D 681, H 52	LED	840	5350 lm	68 W	on/off	A++	1550,00
312295.00X.1.730	D 681, H 52	LED	840	5350 lm	68 W	smart+free	A++	1700,00
312295.00X.1.76	D 681, H 52	LED	840	5350 lm	68 W	DALI	A++	1600,00
Glass FerroMurano red								
312294.00X	D 681, H 52	LED	830	4300 lm	68 W	on/off	A++	1550,00
312294.00X.730	D 681, H 52	LED	830	4300 lm	68 W	smart+free	A++	1700,00
312294.00X.76	D 681, H 52	LED	830	4300 lm	68 W	DALI	A++	1600,00
312294.00X.1	D 681, H 52	LED	840	4450 lm	68 W	on/off	A++	1550,00
312294.00X.1.730	D 681, H 52	LED	840	4450 lm	68 W	smart+free	A++	1700,00
312294.00X.1.76	D 681, H 52	LED	840	4450 lm	68 W	DALI	A++	1600,00
Glass FerroMurano white								
312293.00X	D 681, H 52	LED	830	5800 lm	68 W	on/off	A++	1550,00
312293.00X.730	D 681, H 52	LED	830	5800 lm	68 W	smart+free	A++	1700,00
312293.00X.76	D 681, H 52	LED	830	5800 lm	68 W	DALI	A++	1600,00
312293.00X.1	D 681, H 52	LED	840	6000 lm	68 W	on/off	A++	1550,00
312293.00X.1.730	D 681, H 52	LED	840	6000 lm	68 W	smart+free	A++	1700,00
312293.00X.1.76	D 681, H 52	LED	840	6000 lm	68 W	DALI	A++	1600,00

Luminaire flux and UGR of each luminaire vary due to the difference in colour intensity and structure of the glasses. Light colour 827 on request.



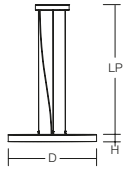
Pendant luminaires | Triona

Type of Protection: IP 20
Protection Class: I
Suspension Length: 500-1200 mm

Cover: sheet steel, powder-coated. Frame: aluminium, powder-coated. Lateral light emission for direct illumination through non-yellowing plastic (PMMA) opal diffuser. Indirect light emission through non-yellowing plastic (PMMA) diffuser, satin finish. Canopy: aluminium, powder-coated. 3-point steel cable suspension, steplessly adjustable. Special lengths available on request. Integral driver.

Available colours (X): 2 = white, 31 = anthracite metallic, 4 = silver metallic

Versions with smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.



Comparison LED vs. conventional lamps

LED 33 / 40 W ≈
1 x 22 + 40 W T16-R (70 W EB)

LED 49 / 61 / 68 W ≈
3 x 28 W T16 (92 W EB)

LED 70 / 76 / 85 W ≈
4 x 28 W T16 (122 W EB)

LED 89 W ≈
4 x 35 W T16 (150 W EB)

LED 110 / 122 W ≈
4 x 49 W T16 (212 W EB)



Diffuser: plastic (PMMA), opal

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	UGR	dim-able	EEC	€ gross without VAT
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Pendant luminaires - Direct light emission

Price Category 21

Diameter D 681 mm, Canopy Ø 263 mm, h 40 mm									
312385.00X	D 681, H 52	LED	830	3350 lm	33 W	20,1	on/off	A++	1100,00
312385.00X.730	D 681, H 52	LED	830	3350 lm	33 W	20,1	smart+free	A++	1250,00
312385.00X.76	D 681, H 52	LED	830	3350 lm	33 W	20,1	DALI	A++	1150,00
312385.00X.1	D 681, H 52	LED	840	3500 lm	33 W	20,3	on/off	A++	1100,00
312385.00X.1.730	D 681, H 52	LED	840	3500 lm	33 W	20,3	smart+free	A++	1250,00
312385.00X.1.76	D 681, H 52	LED	840	3500 lm	33 W	20,3	DALI	A++	1150,00
Tunable White - 2700 K to 6500 K									
312385.00X.2.730	D 681, H 52	LED	827-865	3350 lm	40 W	20,1	smart+free	A++	1300,00
Diameter D 845 mm, Canopy Ø 263 mm, h 40 mm									
312389.00X	D 845, H 52	LED	830	7250 lm	70 W	21,2	on/off	A++	1300,00
312389.00X.730	D 845, H 52	LED	830	7250 lm	70 W	21,2	smart+free	A++	1450,00
312389.00X.76	D 845, H 52	LED	830	7250 lm	70 W	21,2	DALI	A++	1350,00
312389.00X.1	D 845, H 52	LED	840	7500 lm	70 W	21,3	on/off	A++	1300,00
312389.00X.1.730	D 845, H 52	LED	840	7500 lm	70 W	21,3	smart+free	A++	1450,00
312389.00X.1.76	D 845, H 52	LED	840	7500 lm	70 W	21,3	DALI	A++	1350,00
Tunable White - 2700 K to 6500 K									
312389.00X.2.730	D 845, H 52	LED	827-865	4800 lm	49 W	19,7	smart+free	A++	1500,00
Diameter D 1009 mm, Canopy Ø 263 mm, h 40 mm									
312393.00X	D 1009, H 52	LED	830	8400 lm	89 W	20,4	on/off	A++	1750,00
312393.00X.730	D 1009, H 52	LED	830	8400 lm	89 W	20,4	smart+free	A++	1900,00
312393.00X.76	D 1009, H 52	LED	830	8400 lm	89 W	20,4	DALI	A++	1800,00
312393.00X.1	D 1009, H 52	LED	840	8700 lm	89 W	20,5	on/off	A++	1750,00
312393.00X.1.730	D 1009, H 52	LED	840	8700 lm	89 W	20,4	smart+free	A++	1900,00
312393.00X.1.76	D 1009, H 52	LED	840	8700 lm	89 W	20,4	DALI	A++	1800,00
Tunable White - 2700 K to 6500 K									
312393.00X.2.730	D 1009, H 52	LED	827-865	5700 lm	61 W	19,1	smart+free	A++	1950,00

Pendant luminaires - Direct/indirect light emission

Price Category 21

Diameter D 681 mm, Canopy Ø 263 mm, h 40 mm									
312386.00X	D 681, H 52	LED	830	6000 lm	68 W	18,9	on/off	A++	1300,00
312386.00X.730	D 681, H 52	LED	830	6000 lm	68 W	18,9	smart+free	A++	1450,00
312386.00X.76	D 681, H 52	LED	830	6000 lm	68 W	18,9	DALI	A++	1350,00
312386.00X.1	D 681, H 52	LED	840	6250 lm	68 W	19,1	on/off	A++	1300,00
312386.00X.1.730	D 681, H 52	LED	840	6250 lm	68 W	19,1	smart+free	A++	1450,00
312386.00X.1.76	D 681, H 52	LED	840	6250 lm	68 W	19,1	DALI	A++	1350,00
Tunable White - 2700 K to 6500 K									
312386.00X.2.730	D 681, H 52	LED	827-865	4600 lm	61 W	18,0	smart+free	A++	1500,00
Diameter D 845 mm, Canopy Ø 263 mm, h 40 mm									
312390.00X	D 845, H 52	LED	830	9500 lm	110 W	19,1	on/off	A++	1550,00
312390.00X.730	D 845, H 52	LED	830	9500 lm	110 W	19,1	smart+free	A++	1700,00
312390.00X.76	D 845, H 52	LED	830	9500 lm	110 W	19,1	DALI	A++	1600,00
312390.00X.1	D 845, H 52	LED	840	9900 lm	110 W	19,2	on/off	A++	1550,00
312390.00X.1.730	D 845, H 52	LED	840	9900 lm	110 W	19,2	smart+free	A++	1700,00
312390.00X.1.76	D 845, H 52	LED	840	9900 lm	110 W	19,2	DALI	A++	1600,00
Tunable White - 2700 K to 6500 K									
312390.00X.2.730	D 845, H 52	LED	827-865	6800 lm	76 W	16,9	smart+free	A++	1750,00
Diameter D 1009 mm, Canopy Ø 263 mm, h 40 mm									
312394.00X	D 1009, H 52	LED	830	11300 lm	122 W	18,4	on/off	A++	1950,00
312394.00X.730	D 1009, H 52	LED	830	11300 lm	122 W	18,4	smart+free	A++	2100,00
312394.00X.76	D 1009, H 52	LED	830	11300 lm	122 W	18,4	DALI	A++	2000,00
312394.00X.1	D 1009, H 52	LED	840	11800 lm	122 W	18,6	on/off	A++	1950,00
312394.00X.1.730	D 1009, H 52	LED	840	11800 lm	122 W	18,6	smart+free	A++	2100,00
312394.00X.1.76	D 1009, H 52	LED	840	11800 lm	122 W	18,6	DALI	A++	2000,00
Tunable White - 2700 K to 6500 K									
312394.00X.2.730	D 1009, H 52	LED	827-865	7400 lm	85 W	16,6	smart+free	A++	2150,00

Light colour 827 on request.

Pendant luminaires | Triona

Type of Protection: IP 20

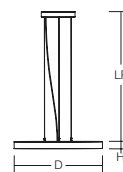
Protection Class: I

Suspension Length: 500-1200 mm

Cover: sheet steel, powder-coated. Frame: aluminium, powder-coated. Lateral light emission for direct illumination through non-yellowing plastic (PMMA) opal/micropismatic diffuser (screen-compliant in accordance with EN-12464-1). Indirect light emission through non-yellowing plastic (PMMA) diffuser, satin finish. Canopy: aluminium, powder-coated. 3-point steel cable suspension, steplessly adjustable. Special lengths available on request. Integral driver.

Available colours (X): 2 = white, 31 = anthracite metallic, 4 = silver metallic

Versions with smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.



Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	UGR	dimmable	EEC	€ gross without VAT
Pendant luminaires - Direct light emission									Price Category 21
Diameter D 681 mm, Canopy Ø 263 mm, h 40 mm									
312360.00X	D 681, H 52	LED	830	3550 lm	33 W	18,5	on/off	A++	1100,00
312360.00X.730	D 681, H 52	LED	830	3550 lm	33 W	18,5	smart+free	A++	1250,00
312360.00X.76	D 681, H 52	LED	830	3550 lm	33 W	18,5	DALI	A++	1150,00
312360.00X.1	D 681, H 52	LED	840	3700 lm	33 W	18,6	on/off	A++	1100,00
312360.00X.1.730	D 681, H 52	LED	840	3700 lm	33 W	18,6	smart+free	A++	1250,00
312360.00X.1.76	D 681, H 52	LED	840	3700 lm	33 W	18,6	DALI	A++	1150,00
Tunable White - 2700 K to 6500 K									
312360.00X.2.730	D 681, H 52	LED	827-865	3550 lm	40 W	18,0	smart+free	A++	1300,00
Diameter D 845 mm, Canopy Ø 263 mm, h 40 mm									
312361.00X	D 845, H 52	LED	830	7600 lm	70 W	18,9	on/off	A++	1350,00
312361.00X.730	D 845, H 52	LED	830	7600 lm	70 W	18,9	smart+free	A++	1500,00
312361.00X.76	D 845, H 52	LED	830	7600 lm	70 W	18,9	DALI	A++	1400,00
312361.00X.1	D 845, H 52	LED	840	7900 lm	70 W	19,0	on/off	A++	1350,00
312361.00X.1.730	D 845, H 52	LED	840	7900 lm	70 W	19,0	smart+free	A++	1500,00
312361.00X.1.76	D 845, H 52	LED	840	7900 lm	70 W	19,0	DALI	A++	1400,00
Tunable White - 2700 K to 6500 K									
312361.00X.2.730	D 845, H 52	LED	827-865	5050 lm	49 W	18,0	smart+free	A++	1550,00
Diameter D 1009 mm, Canopy Ø 263 mm, h 40 mm									
312362.00X	D 1009, H 52	LED	830	8850 lm	89 W	18,6	on/off	A++	1800,00
312362.00X.730	D 1009, H 52	LED	830	8850 lm	89 W	18,6	smart+free	A++	1950,00
312362.00X.76	D 1009, H 52	LED	830	8850 lm	89 W	18,6	DALI	A++	1850,00
312362.00X.1	D 1009, H 52	LED	840	9200 lm	89 W	18,8	on/off	A++	1800,00
312362.00X.1.730	D 1009, H 52	LED	840	9200 lm	89 W	18,8	smart+free	A++	1950,00
312362.00X.1.76	D 1009, H 52	LED	840	9200 lm	89 W	18,8	DALI	A++	1850,00
Tunable White - 2700 K to 6500 K									
312362.00X.2.730	D 1009, H 52	LED	827-865	6000 lm	61 W	16,8	smart+free	A++	2000,00

Pendant luminaires - Direct/indirect light emission

Diameter D 681 mm, Canopy Ø 263 mm, h 40 mm									Price Category 21
312298.00X	D 681, H 52	LED	830	6300 lm	68 W	17,2	on/off	A++	1300,00
312298.00X.730	D 681, H 52	LED	830	6300 lm	68 W	17,2	smart+free	A++	1450,00
312298.00X.76	D 681, H 52	LED	830	6300 lm	68 W	17,2	DALI	A++	1350,00
312298.00X.1	D 681, H 52	LED	840	6550 lm	68 W	17,5	on/off	A++	1300,00
312298.00X.1.730	D 681, H 52	LED	840	6550 lm	68 W	17,5	smart+free	A++	1450,00
312298.00X.1.76	D 681, H 52	LED	840	6550 lm	68 W	17,5	DALI	A++	1350,00
Tunable White - 2700 K to 6500 K									
312298.00X.2.730	D 681, H 52	LED	827-865	4800 lm	61 W	16,1	smart+free	A++	1500,00
Diameter D 845 mm, Canopy Ø 263 mm, h 40 mm									
312301.00X	D 845, H 52	LED	830	10000 lm	110 W	16,7	on/off	A++	1600,00
312301.00X.730	D 845, H 52	LED	830	10000 lm	110 W	16,7	smart+free	A++	1750,00
312301.00X.76	D 845, H 52	LED	830	10000 lm	110 W	16,7	DALI	A++	1650,00
312301.00X.1	D 845, H 52	LED	840	10400 lm	110 W	16,9	on/off	A++	1600,00
312301.00X.1.730	D 845, H 52	LED	840	10400 lm	110 W	16,9	smart+free	A++	1750,00
312301.00X.1.76	D 845, H 52	LED	840	10400 lm	110 W	16,9	DALI	A++	1650,00
Tunable White - 2700 K to 6500 K									
312301.00X.2.730	D 845, H 52	LED	827-865	7200 lm	76 W	16,0	smart+free	A++	1800,00
Diameter D 1009 mm, Canopy Ø 263 mm, h 40 mm									
312304.00X	D 1009, H 52	LED	830	11900 lm	122 W	16,8	on/off	A++	2000,00
312304.00X.730	D 1009, H 52	LED	830	11900 lm	122 W	16,8	smart+free	A++	2150,00
312304.00X.76	D 1009, H 52	LED	830	11900 lm	122 W	16,8	DALI	A++	2050,00
312304.00X.1	D 1009, H 52	LED	840	12400 lm	122 W	16,9	on/off	A++	2000,00
312304.00X.1.730	D 1009, H 52	LED	840	12400 lm	122 W	16,9	smart+free	A++	2150,00
312304.00X.1.76	D 1009, H 52	LED	840	12400 lm	122 W	16,9	DALI	A++	2050,00
Tunable White - 2700 K to 6500 K									
312304.00X.2.730	D 1009, H 52	LED	827-865	7750 lm	85 W	15,3	smart+free	A++	2200,00

Light colour 827 on request.

Comparison LED vs. conventional lamps

LED 33 / 40 W ≈

1 x 22 + 40 W T16-R (70 W EB)

LED 49 / 61 / 68 W ≈

3 x 28 W T16 (92 W EB)

LED 70 / 76 / 85 W ≈

4 x 28 W T16 (122 W EB)

LED 89 W ≈

4 x 35 W T16 (150 W EB)

LED 110 / 122 W ≈

4 x 49 W T16 (212 W EB)



Diffuser: plastic (PMMA)
opal/micropismatic

TRIONA®

Murano glass

A VENETIAN LEGEND

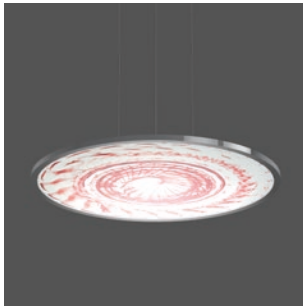
The Venetian art of glassmaking is considered legendary to this day. Pioneers of this craft, like the world famous company Ferro from Murano, have been keeping this tradition carefully over many generations and share their know-how advisedly selected. The cooperation of the old master Guido Ferro and RZB unite the Venetian art of glassmaking and the high standards in design and technology of RZB; it is cross-border appreciation and synergy at the same time. The result is a liaison between glass and light that definitely can be regarded as epic work.

More than 700 years of craftsmanship, tradition and passion "a la Ferro" make each of the mouth-blown glass panels an individual item of touching beauty. Each millimetre of this "levitating" circle is steeped in light; the seamless, almost playful colouring of the Murano glass is brought to life in a fascinating way. Great designing skills, construction expertise that has been perfected over decades and pathbreaking LED technology were required to create such even light control and luminance. Through this, the quality and substance of RZB LUMINAIRES FerroMurano are rationally explained - but not its almost magic aesthetics. It remains a secret.

Each legend lives through one...



FURTHER LUMINAIRES, MATCHING THIS SERIES:



⊕ Sidelite Round



⊕ Sidelite Round



⊕ Ring of fire



⊕ Econe

HIGHEST PRODUCT AND CONSULTING QUALITY

⊕ RELIABILITY

We are your reliable partner. From the first idea to the implementation and far beyond, we support you with your project. Personally, passionately and individually. Thanks to our excellent expertise, top product quality and services such as lighting design, economic efficiency analysis and commissioning, we meet the high demands of all parties involved in the planning process.

- ✓ availability of BIM files
- ✓ easy and quick installation
- ✓ quality and long warranty

⊕ WARRANTY

RZB grants 5 years warranty on LED luminaires and 2 years warranty on emergency luminaires!

The creation of high quality lighting solutions is our passion. Our products are developed and manufactured with the utmost care.

In addition to SMART TECHNOLOGY and EXCELLENT DESIGN, we are dedicated to manufacture luminaires of highest quality throughout the entire value chain through to After Sales Service.

Because of this, we confidently grant you a 5 years warranty on LED luminaires and 2 years warranty on emergency luminaires with effect of the date of invoice without prior registration of your project.

Warranty terms to be found under

rzb.de/en/service/led-luminaire-warranty

RZB - FOR A TANGIBLE ADDED VALUE.



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