Timeless design, sculpted glow, softly lighting your way through every space.

Mizar news

issue #26

mizar

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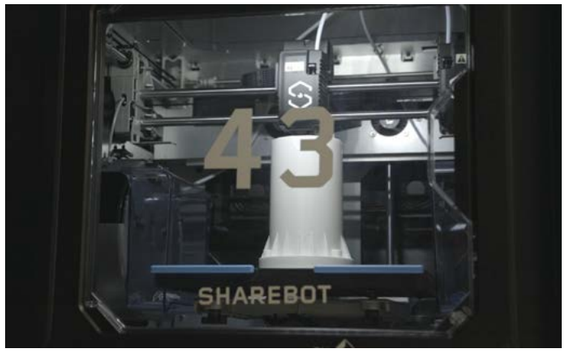
Company Profile

The Brand

ReeR SpA, which has been operating in the field of security technology and lighting since 1959, acquired Mizar in 2020, an Italian brand that has been a leader in lighting design for the last few decades. Today, Mizar is embarking on a new path of developing Made in Italy products, focusing on the production of luminaires for those types of applications where the fixture quality is a fundamental requirement in the architectural project. Present in all industrialized countries, our company boasts a solid distribution and service network, guaranteeing our customers efficient and effective support.

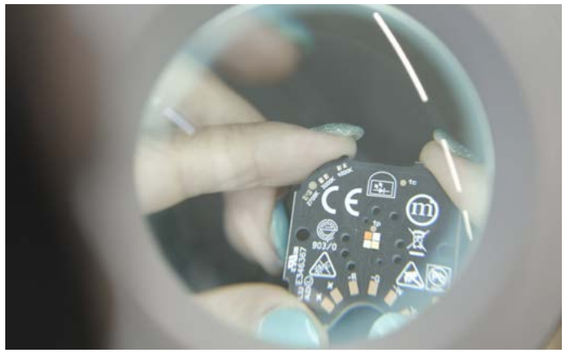
Aluminium processing and laser marking

At the Mizar plant, we have state-of-the-art machinery and highly skilled labor to process aluminum bars and laser mark products. This gives us full control over production and the specifications of each piece, ensuring precision, quality, and customization at every stage of the process.



R&D and prototyping

Mizar products are designed and manufactured following a tailor-made process, where every detail is carefully studied to combine design and functionality. Thanks to our Design Office, we offer the possibility to create special projects, making modifications to existing models or developing and prototyping custom-made equipment, designed to perfectly complement the customer's project.



Proprietary internal electronics

To correctly manage the single power LEDs and micro-drivers contained in most devices, specific original Mizar printed circuit boards have been designed and manufactured. Each PCB is configured to ensure control and efficiency of the electronic components in extreme environmental conditions such as temperature changes and water pressure. The in-house design and production of PCBs gives us great flexibility during product development and the freedom to test the latest technological innovations in advance, ensuring we are always at the forefront of the field of electronic components.

Quality control

All our products are subject to strict controls by our Quality Control staff. The products are The products are inspected to ensure that they meet the compliance requirements imposed by current regulations and fall within the parameters of excellence indicated by internal guidelines. In this way, every product that leaves the production plant will reach the customer at the peak of its technical and aesthetic capabilities.

Certifications

ReeR is a company that stands out for its commitment to quality and sustainability. It has obtained EN ISO 9001 certification, which attests to the effectiveness of its quality management system. It is also EN ISO 45001:2018 certified, guaranteeing high standards of occupational safety, and EN ISO 14001:2015 certified, demonstrating its commitment to the environment. ReeR also follow the RoHS directive, which ensures compliance with the requirements for the restriction of hazardous substances in electronic devices. These certifications reflect the company's responsible and quality-oriented approach.

IdroSkud® technology

The IdroSkud® system is an exclusive Mizar project developed to eliminate the risks of incorrect wiring and protect the electronic components of the device from:
- Polarity reversal
- Voltage spikes
- Water infiltration

An additional guarantee of the functionality of the product even in extreme environmental conditions.

Corrosion categories for outdoor environments

ISO 9223:2012 has defined a system for classifying atmospheric corrosion of metals and alloys in various environmental conditions. This standard indicates corrosion classes based on observed corrosion rates, in standardized samples, exposed to these environments for one year. Additionally, it provides dose-response functions to estimate the corrosivity level, determined by the normalized annual metal loss due to atmospheric agents. This approach allows predicting the highest possible corrosion class, considering local environmental factors, including the interaction of temperature, humidity, sulfur dioxide pollution, and salinity. However, it's essential to note that the standard doesn't account for other significant elements such as wind speed, sand abrasion, accidental breakdown of protective layers, maintenance frequency, and exposure levels.

Corrosion category	Corrosion level	Environments
C1	Very low	Dry or cold zone, atmospheric environment with very low pollution and time of wetness, e.g. certain deserts, Central Arctic/Antarctica.
C2	Low	Temperate zone, atmospheric environment with low pollution (SO2: < 5 µg/m³), e.g. rural areas, small towns. Dry or cold zone, atmospheric environment with short time of wetness, e.g. deserts, subarctic areas.
C3	Medium	Temperate zone, atmospheric environment with medium pollution (SO2: 5 µg/m³ to 30 µg/m³) or some effect of chlorides, e.g. urban areas, coastal areas with low deposition of chlorides. Subtropical and tropical zone, atmosphere with low pollution.
C4	High	Temperate zone, atmospheric environment with high pollution (SO2: 30 µg/m³ to 90 µg/m³) or substantial effect of chlorides, e.g. polluted urban areas, industrial areas, coastal areas without spray of salt water or, exposure to strong effect of de-icing salts. Subtropical and tropical zone, atmosphere with medium pollution.
C5	Very high	Temperate and subtropical zone, atmospheric environment with very high pollution (SO2: 90 µg/m³ to 250 µg/m³) and/or significant effect of chlorides, e.g. industrial areas, coastal areas, sheltered positions on coastline.
CX	Extreme	Subtropical and tropical zone (very high humidity period), atmospheric environment with very high SO2 pollution (above 250 µg/m³) including accompanying and production factors and the strong effect of chlorides, e.g., extreme industrial areas, coastal and oshore locations, and occasional contact with salt spray. Category CX is to be considered for extreme situations where the corrosion rates exceed the upper limits in category C5. Indeed, CX refers to specific marine and marine/industrial environments, such as bridges.

* SO2: Sulphur dioxide (not sodium chloride)

Mizar use the standard defined by EN ISO 9227:2017, to test its products and processes. We implement a pre-treatment process to produce high-quality coating, ensuring excellent paint adhesion and optimal corrosion protection through the use of chemicals specifically dedicated to aluminum.

In a second step , the luminaire is tested in a sodium chloride atmospheric chamber. This test allows us to monitor the corrosion behavior of the complete product, checking in detail:
• The quality of the paint
• The sensibility of the design
• The behaviour of stainless-steel screws and the aluminium quality

Mizar also uses EN ISO 12944:2018 to validate its processes for an exposure time over 1500 hours at a constant temperature. All our painted products pass this testing standard. The results are subsequently classified to comply with EN ISO 9223:2012 (as mentioned in the previously indicated table).

C5

Urban or industrial areas

Every outdoor Mizar product is compliant.

CX

Bridges or marine environments

Only outdoor Mizar products, with exposed surface completely made of stainless steel / brass / glass / technopolymer , are compliant.

Symbols legend

IK / Degrees of protection against mechanical impacts			**IP / Solid particle protection**	
01	Protected against an impact energy of 0,15J		**IP0X**	No protection against ingress of objects
02	Protected against an impact energy of 0,2J		**IP1X**	Protected against solid objects larger than 50 mm
03	Protected against an impact energy of 0,35J		**IP2X**	Protected against solid objects larger than 12 mm
04	Protected against an impact energy of 0,5J		**IP3X**	Protected against penetration by a probe with a diameter of 2,5 mm
05	Protected against an impact energy of 0,7J		**IP4X**	Protected against penetration by a probe with a diameter of 1 mm
06	Protected against an impact energy of of 1J		**IP5X**	Protected against dust ingress (is not entirely prevented)
07	Protected against an impact energy of 2J		**IP6X**	Dustproof
08	Protected against an impact energy of 5J		**IP / Liquid ingress protection**	
09	Protected against an impact energy of 10J		**IPX0**	No protection against ingress of water
Protection against the risk of electric shock			**IPX1**	Protected against vertically falling water drops
	Class 0	Protection against electric shock relies on basic insulation only. No protective earth connection.	**IPX2**	Protected against falling water drops with the container tilted at a maximum angle of 15°
	Class I	Relies on basic insulation for live parts and an earth connection to exposed conductive parts. The earth connection provides protection if the basic insulation fails.	**IPX3**	Protected against rain
			IPX4	Protected against splashing water
	Class II	Uses supplementary insulation (double insulation) and does not provide for an earth connection. The extra layer of insulation protects the user if the basic insulation fails.	**IPX5**	Protected against water jets (12,5 liters per minute, pressure 30 kPa at a distance of 3 m)
			IPX6	Protected against waves (100 liters per minute, pressure 100 kPa at a distance of 3 m)
	Class III	Operates at a Safety Extra-Low Voltage (SELV) (usually below 50V AC or 120V DC) and does not depend on an earth connection for safety. The low voltage level itself ensures safety, with power provided by batteries or a suitable transformer.	**IPX7**	Protected against temporary immersion (30 minutes up to 1 m)
			IPX8	Protected against permanent immersion (typically 24 hours, at a depth greater than 1 m, typically over 3 m)

Marks					
CE	European CE mark		Directive 2012/19/ EU (WEEE - Waste Electrical and Electronic Equipment)	RoHS Compliant	Directive 2011/65/UE (RoHS II)


mizar

Forma

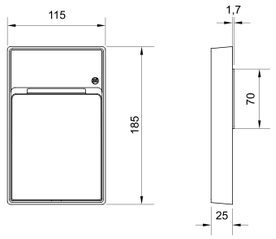
[‘fòr:ma]

FORMA, the innovative modular step light designed for maximum customization. Its LED module, compatible with standard junction boxes, can be paired with a variety of die-cast finishes. In addition, the reflector, magnetically attached to the body, allows for easy customization or replacement, making FORMA a truly adaptable lighting solution.

Now FORMA is also available in two new rectangular formats, offering even more design flexibility and seamless integration into any space.

Forma 1.2

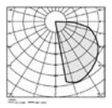
Forma 2.2



1.2

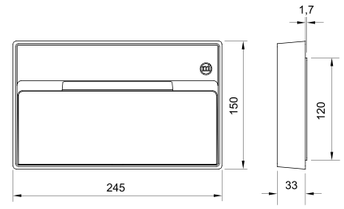
Source type	chip SMD
CCT	2700K
	3000K
	4000K
CRI	>90
Step MacAdam	3
Lumen output	up to 355 lm
Beam angle	A25°
Optical optional	None
Lifetime	L80 B10 50.000h
IP rating	IP65
IK rating	IK08
Type of finishing	Epoxy-polyester powder coating
Finishing colour	Anthracite RAL7016
	Black RAL9005
	Corten
	Green RAL6009
	Paintable primer
	White RAL9003
Body material	Die-cast aluminum EN AB46100
Diffuser material	Polycarbonate UV-stabilised
Diffuser thickness	2mm
Class ISO 9223	C5
Operating temperature	-20° C / +50° C
Power	5W
Input power supply	Costant voltage 24V
Ballast	Remote
Insulation class	III Class
Dimmable	Yes
Cable type	FR5FOEM7-AD8 2x0,5 mm²
Electrical connetion	Parallel
Idroskud® protection	Yes

Photometry



A25°

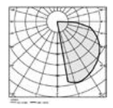
Forma



2.2

Source type	chip SMD
CCT	2700K
	3000K
	4000K
CRI	>90
Step MacAdam	3
Lumen output	up to 725 lm
Beam angle	A25°
Optical optional	None
Lifetime	L80 B10 50.000h
IP rating	IP65
IK rating	IK08
Type of finishing	Epoxy-polyester powder coating
Finishing colour	Anthracite RAL7016
	Black RAL9005
	Corten
	Green RAL6009
	Paintable primer
	White RAL9003
Body material	Die-cast aluminum EN AB46100
Diffuser material	Polycarbonate UV-stabilised
Diffuser thickness	2mm
Class ISO 9223	C5
Operating temperature	-20° C / +50° C
Power	10W
Input power supply	Costant voltage 24V
Ballast	Remote
Insulation class	III Class
Dimmable	Yes
Cable type	FR5FOEM7-AD8 2x0,5 mm²
Electrical connetion	Parallel
Idroskud® protection	Yes

Photometry



A25°

Robur

[‘rò:bur]

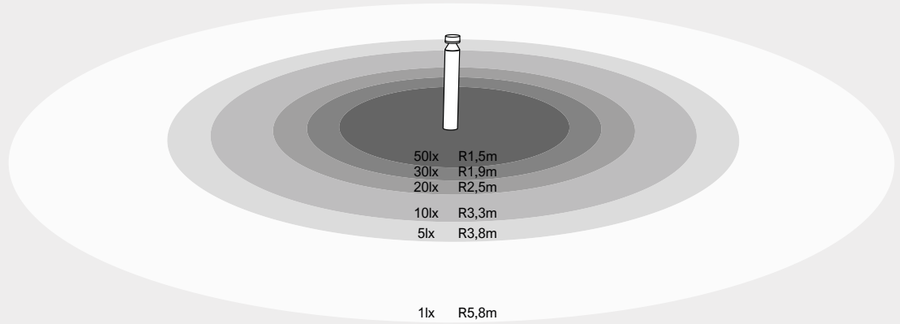
ROBUR is a bollard designed to withstand the demands of public spaces, combining robustness with high performance.
Its reinforced stainless steel base ensures stability and durability, while the high-performance asymmetric optics provide efficient and uniform illumination.

Available in three different heights, ROBUR comes in both a standard version and a version equipped with a sensor and integrated CASAMBI control system, easily managed via the App, offering smart and flexible solutions for every urban and private project.

Robur 6.0 / 9.0 / 12.0

Robur 6.3 / 9.3 / 12.3

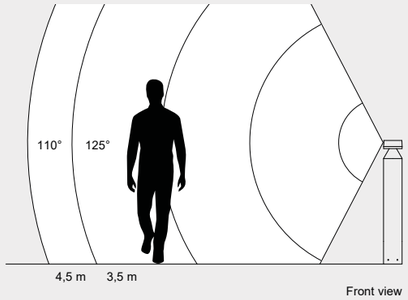
Robur / optics



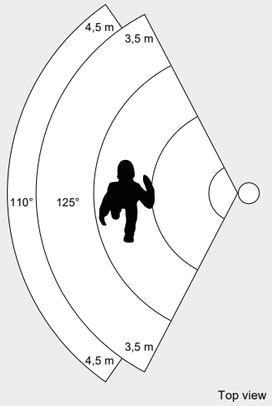
ROBUR 12.0 / 360° / 16W

ROBUR 12.0 / 270° / 12W

Robur / sensor

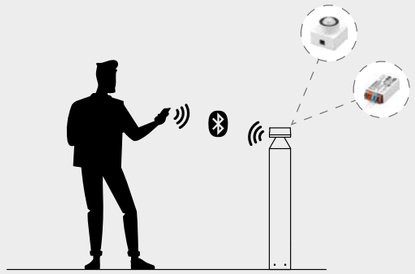


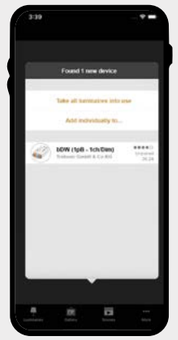
Front view



Top view

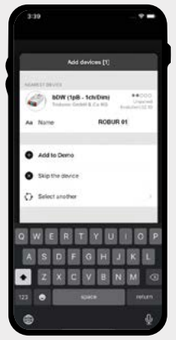
Robur / Casambi configuration





1

Power on one single Robur at a time. This will allows to identify easely the power supply and sensor integrated into every product, individually.



2

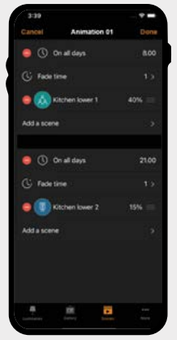
When each Robur power supply or sensor is added, we recommend to rename them. So it will be easy to identify each of them in the next steps. Example: “Robur 01” “Robur Sensor 01”.

3

Once added a single or multiple products have been added, they will be visible in the “Luminaires” tab (first in the bottom left). This tab allows to create groups and dim or turn off luminaires. Individually or all at once.

4

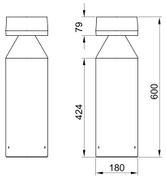
Each sensor integrated into a Robur can be set to either “daylight” or “presence” or “absence” modes.This allows the sensors to be used as inputs to activate scenes within the Casambi network.



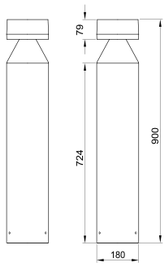
5

Once all the devices have been paired and the sensors enabled, is possible to create scenes, with more or less complex animations. It’s possible also to set timers to ensure that the scenes activate at pre-set times.

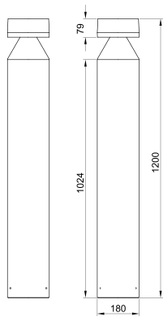
If you want to learn more about Casambi app, dimming settings, scenes creation or editing,sensors behavior personalizations and otherextra features, visit official Casambi YouTubechannel.



6.0



9.0

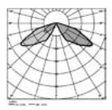


12.0

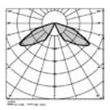
The following data applies to models 6.0 / 9.0 / 12.0

Source type	power LED	power LED
CCT	2700K	2700K
	3000K	3000K
	4000K	4000K
CRI	>90	>90
Step MacAdam	3	3
Lumen output	up to 1003 lm	up to 1333 lm
Beam angle	Asymmetric 270°	Roto-symmetric 360°
Optical optional	None	None
Lifetime	L80 B10 50.000h	L80 B10 50.000h
IP rating	IP65	IP65
IK rating	IK10	IK10
Type of finishing	Epoxy-polyester powder coating	Epoxy-polyester powder coating
Finishing colour	Anthracite RAL7016	Anthracite RAL7016
	Corten	Corten
	Grey RAL7001	Grey RAL7001
	Black RAL9005	Black RAL9005
Body material	Anodized aluminum anticorodal 6082	Anodized aluminum anticorodal 6082
Diffuser material	Polycarbonate UV-stabilised	Polycarbonate UV-stabilised
Diffuser thickness	4 mm	4 mm
Class ISO 9223	C5	C5
Operating temperature	-20° C / +50° C	-20° C / +50° C
Power	12 W	16 W
Input power supply	220V AC 50/60 Hz	220V AC 50/60 Hz
Ballast	Integrated	Integrated
Insulation class	II Class	II Class
Dimmable	Yes (DALI2)	Yes (DALI2)
Cable type	H05RN-F 2x0,75 mm²	H05RN-F 2x0,75 mm²
Surge protection	1 kV	1 kV
Sensor	No	No

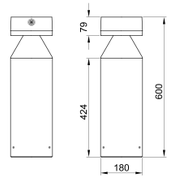
Photometry



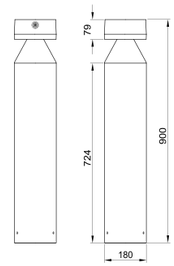
A270°



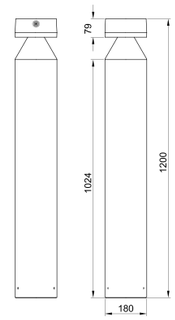
R360°



6.3



9.3

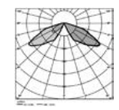


12.3

The following data applies to models 6.3 / 9.3 / 12.3

Source type	power LED	power LED
CCT	2700K	2700K
	3000K	3000K
	4000K	4000K
CRI	>90	>90
Step MacAdam	3	3
Lumen output	up to 1003 lm	up to 1333 lm
Beam angle	Asymmetric 270°	Roto-symmetric 360°
Optical optional	None	None
Lifetime	L80 B10 50.000h	L80 B10 50.000h
IP rating	IP65	IP65
IK rating	IK10	IK10
Type of finishing	Epoxy-polyester powder coating	Epoxy-polyester powder coating
Finishing colour	Anthracite RAL7016	Anthracite RAL7016
	Corten	Corten
	Grey RAL7001	Grey RAL7001
	Black RAL9005	Black RAL9005
Body material	Anodized aluminum anticorodal 6082	Anodized aluminum anticorodal 6082
Diffuser material	Polycarbonate UV-stabilised	Polycarbonate UV-stabilised
Diffuser thickness	4 mm	4 mm
Class ISO 9223	C5	C5
Operating temperature	-20° C / +50° C	-20° C / +50° C
Power	12 W	16 W
Input power supply	220V AC 50/60 Hz	220V AC 50/60 Hz
Ballast	Integrated	Integrated
Insulation class	II Class	II Class
Dimmable	Yes (Casambi)	Yes (Casambi)
Cable type	H05RN-F 2x0,75 mm²	H05RN-F 2x0,75 mm²
Surge protection	2 kV	2 kV
Sensor	Yes (Integrated)	Yes (Integrated)

Photometry



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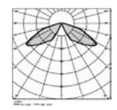


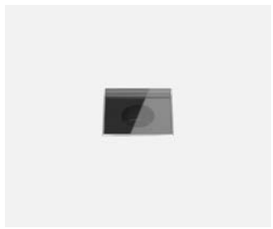
R360°

Vitrum Quadro

[‘vì:trum]

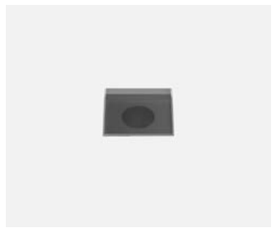
VITRUM is simplicity with style: a sophisticated, elegant, and durable flush-mounted fixture, designed to blend into the environment and leave space for light to be the sole protagonist. Thanks to its minimalist design, the quality of its construction materials, and the various optical solutions available, it is the ideal choice for projects that require discretion and refinement, enhancing every context with harmony.

Now introducing Vitrum in its new square version, a refined evolution of its essential design.



Vitrum Quadro 1.0

● ○

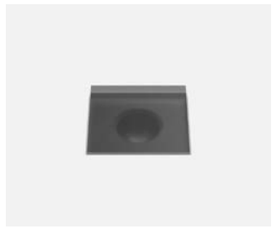


Vitrum Quadro 1.1

● ○

Vitrum Quadro 2.0

● ○

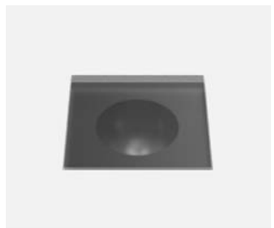


Vitrum Quadro 3.1

● ○

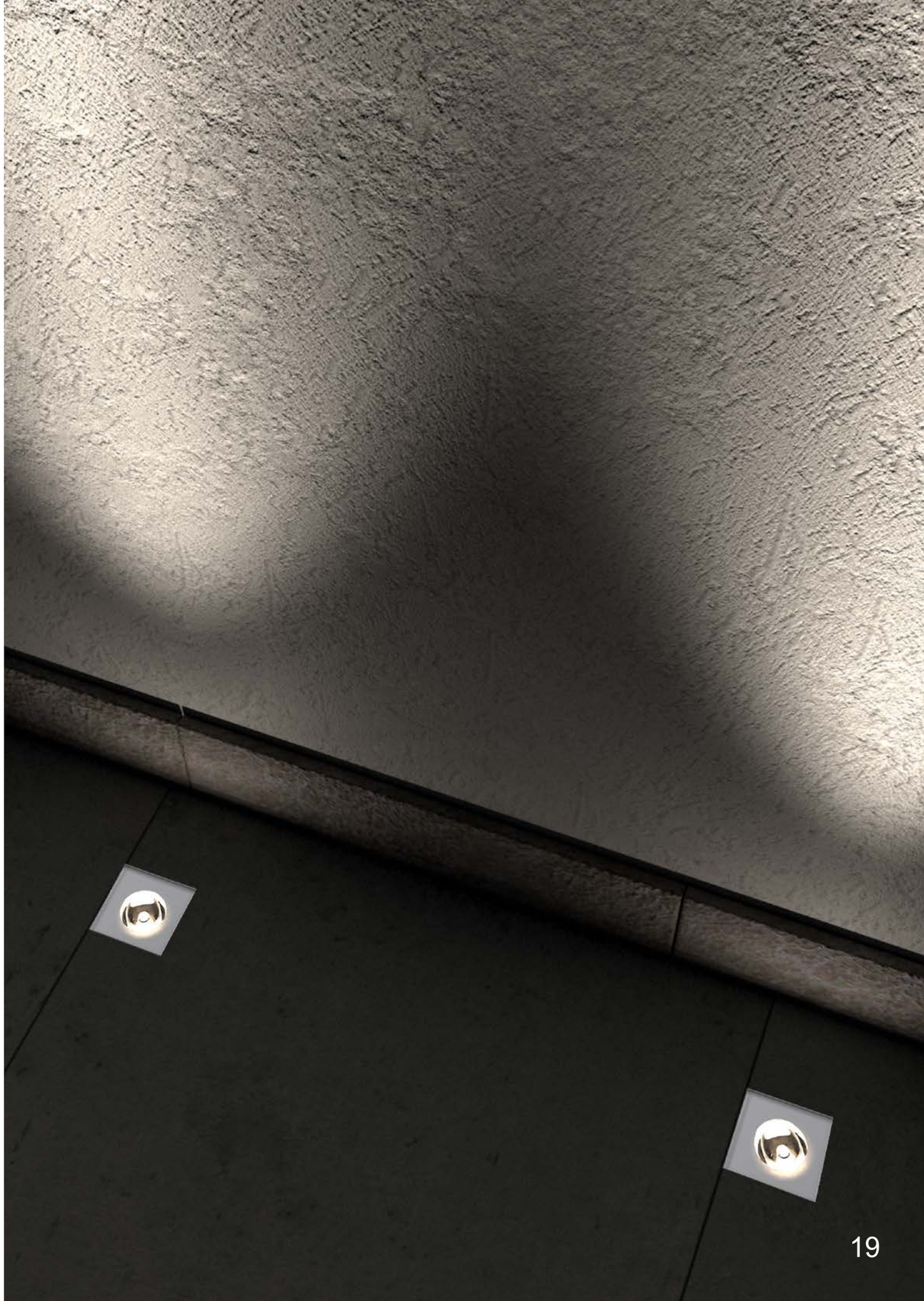
Vitrum Quadro 3.0

● ○

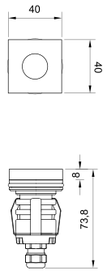


Vitrum Quadro 3.1

● ○

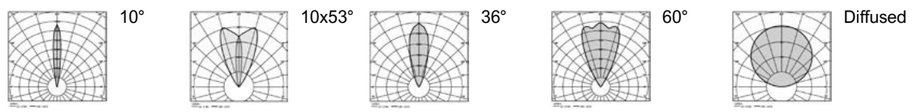


Vitrum Quadro

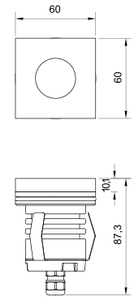


	1.0	1.1
Source type	single chip power LED	single chip power LED
CCT	2700K	2700K
	3000K	3000K
	4000K	4000K
CRI	>90	>90
Step MacAdam	2	2
Lumen output	up to 99 lm	up to 64 lm
Beam angle	10°	Diffused
	36°	
	60°	
	10°x53°	
Optical optional	None	None
	Honeycomb	
	Louvre	
Lifetime	L80 B10 50.000h	L80 B10 50.000h
IP rating	IP66 / 68	IP66 / 68
IK rating	IK10	IK10
Finishing colour	Black silk-print	Black silk-print
	White silk-print	White silk-print
Body material	Anodized aluminum 20µ anticorodal	Anodized aluminum 20µ anticorodal
Diffuser material	6082	6082
Diffuser thickness	Extraclear tempered glass	Extraclear tempered glass
Class ISO 9223	8mm	8mm
Operating temperature	CX	CX
Static load	-20° C / +50° C	-20° C / +50° C
Walk-over	500 kg (5 kN)	500 kg (5 kN)
Drive-over	Yes	Yes
Power	No	No
Input power supply	2W	2W
Ballast	Costant voltage 24V	Costant voltage 24V
Insulation class	Remote	Remote
Dimmable	III Class	III Class
Cable type	Yes	Yes
Electrical connetion	H05RN-F 2x0,75mm²	H05RN-F 2x0,75mm²
Idroskud® protection	Parallel	Parallel
	Yes	Yes

Photometry

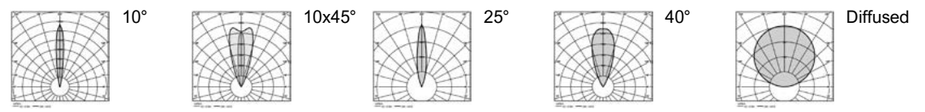


Vitrum Quadro

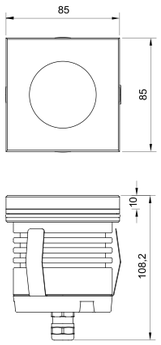


	2.0	2.1
Source type	single chip power LED	single chip power LED
CCT	2700K	2700K
	3000K	3000K
	4000K	4000K
CRI	>90	>90
Step MacAdam	2	2
Lumen output	up to 152 lm	up to 101 lm
Beam angle	10°	Diffused
	25°	
	40°	
	10°x45°	
Optical optional	None	None
	Honeycomb	
	Louvre	
Lifetime	L80 B10 50.000h	L80 B10 50.000h
IP rating	IP66 / 68	IP66 / 68
IK rating	IK10	IK10
Finishing colour	Black silk-print	Black silk-print
	White silk-print	White silk-print
Body material	Anodized aluminum 20µ anticorodal	Anodized aluminum 20µ anticorodal
Diffuser material	6082	6082
Diffuser thickness	Extraclear tempered glass	Extraclear tempered glass
Class ISO 9223	10mm	10mm
Operating temperature	CX	CX
Static load	-20° C / +50° C	-20° C / +50° C
Walk-over	500 kg (5 kN)	500 kg (5 kN)
Drive-over	Yes	Yes
Power	No	No
Input power supply	3W	3W
Ballast	Costant voltage 24V	Costant voltage 24V
Insulation class	Remote	Remote
Dimmable	III Class	III Class
Cable type	Yes	Yes
Electrical connetion	H05RN-F 2x0,75mm²	H05RN-F 2x0,75mm²
Idroskud® protection	Parallel	Parallel
	Yes	Yes

Photometry

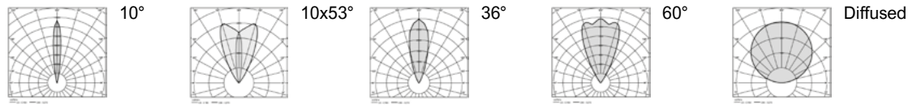


Vitrum Quadro



	3.0	3.1
Source type	single chip power LED	single chip power LED
CCT	2700K	2700K
	3000K	3000K
	4000K	4000K
CRI	>90	>90
Step MacAdam	2	2
Lumen output	up to 370 lm	up to 258 lm
Beam angle	5°	Diffused
	20°	
	60°	
	15°x60°	
Optical optional	None	None
	Honeycomb	
	Louvre	
Lifetime	L80 B10 50.000h	L80 B10 50.000h
IP rating	IP66 / 68	IP66 / 68
IK rating	IK10	IK10
Finishing colour	Black silk-print	Black silk-print
	White silk-print	White silk-print
Body material	Anodized aluminum 20µ anticorodal	Anodized aluminum 20µ anticorodal
Diffuser material	6082	6082
Diffuser thickness	Extraclear tempered glass	Extraclear tempered glass
Class ISO 9223	10mm	10mm
Operating temperature	CX	CX
Static load	-20° C / +50° C	-20° C / +50° C
Walk-over	500 kg (5 kN)	500 kg (5 kN)
Drive-over	Yes	Yes
Power	No	No
Input power supply	7W	7W
Ballast	Costant voltage 24V	Costant voltage 24V
Insulation class	Remote	Remote
Dimmable	III Class	III Class
Cable type	Yes	Yes
Electrical connetion	H05RN-F 2x0,75mm²	H05RN-F 2x0,75mm²
Idroskud® protection	Parallel	Parallel
	Yes	Yes

Photometry



Caelum

[ʻcè:lum]

CAELUM is the flush-mounted glass fixture that combines robustness and discretion, designed to seamlessly integrate into any environment.
Its drywall housing allows for quick and easy installation in any type of ceiling, ensuring flawless and refined results.

Available in three different sizes, each with three selectable optics plus an opal glass version, CAELUM offers maximum design flexibility, adapting to any lighting requirement without compromising on style.

Caelum 1.0

● ○

Caelum 1.1

● ○

Caelum 2.0

● ○

Caelum 2.1

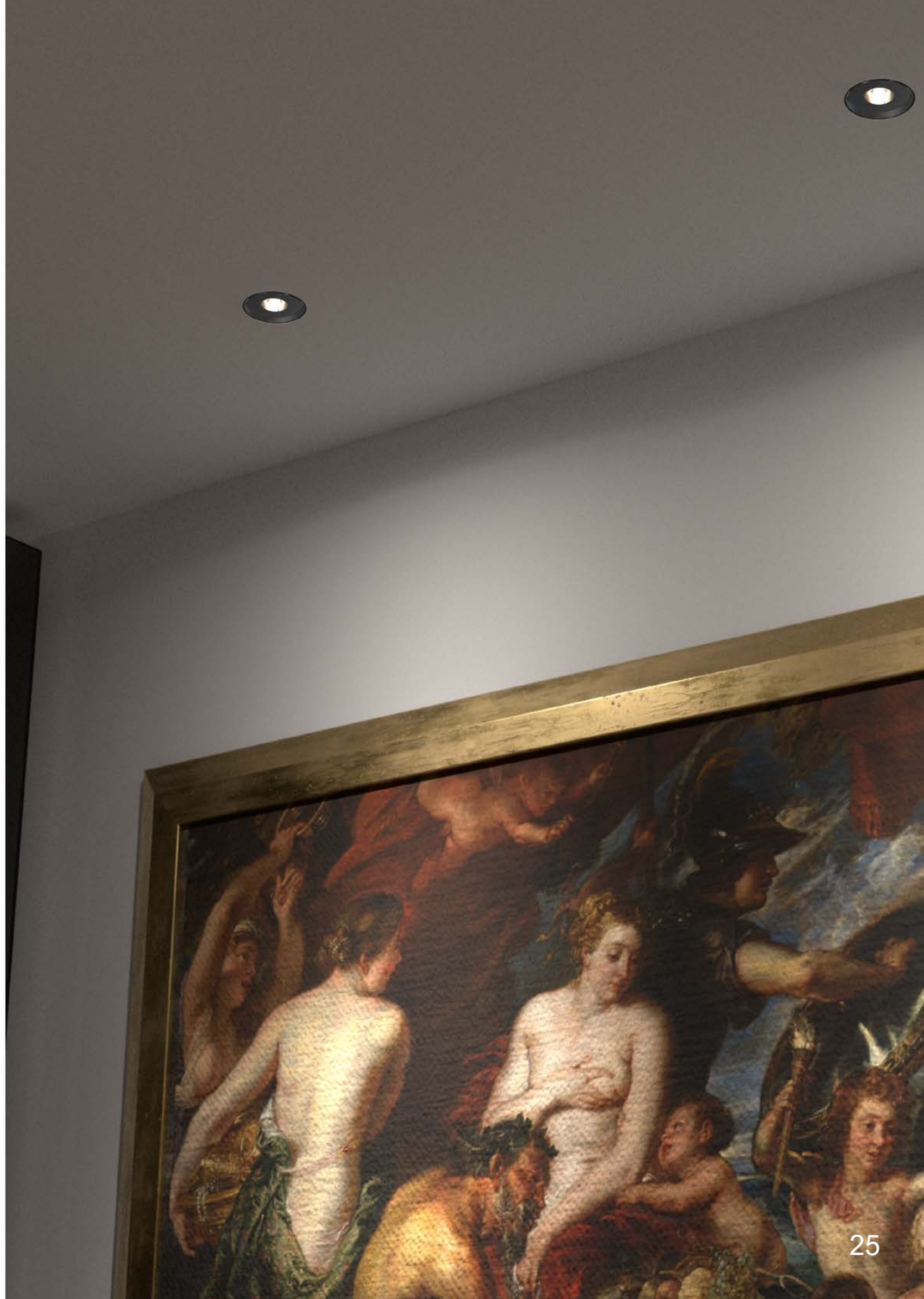
● ○

Caelum 3.0

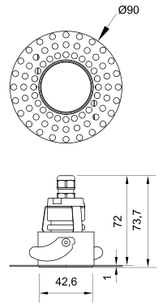
● ○

Caelum 3.1

● ○

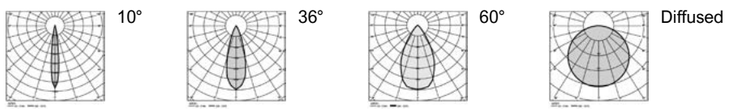


Caelum

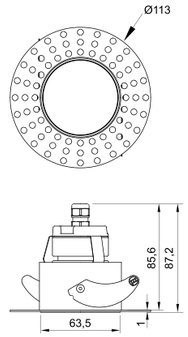


	1.0	1.1
Source type	single chip power LED	single chip power LED
CCT	2700K	2700K
	3000K	3000K
	4000K	4000K
CRI	>90	>90
Step MacAdam	2	2
Lumen output	up to 99 lm	up to 64 lm
Beam angle	10°	Diffused
	36°	
	60°	
Optical optional	None	None
	Honeycomb	
	Louvre	
Lifetime	L80 B10 50.000h	L80 B10 50.000h
IP rating	IP66 / 68	IP66 / 68
IK rating	IK10	IK10
Finishing colour	Black silk-print	Black silk-print
	White silk-print	White silk-print
Body material	Anodized aluminum 20µ anticorodal 6082	Anodized aluminum 20µ anticorodal 6082
Diffuser material	Extraclear tempered glass	Extraclear tempered glass
Diffuser thickness	8 mm	8 mm
Class ISO 9223	CX	CX
Operating temperature	-20° C / +50° C	-20° C / +50° C
Power	2W	2W
Input power supply	Costant voltage 24V	Costant voltage 24V
Ballast	Remote	Remote
Insulation class	III Class	III Class
Dimmable	Yes	Yes
Cable type	H05RN-F 2x0,75 mm²	H05RN-F 2x0,75 mm²
Electrical connetion	Parallel	Parallel
Idroskud® protection	Yes	Yes

Photometry

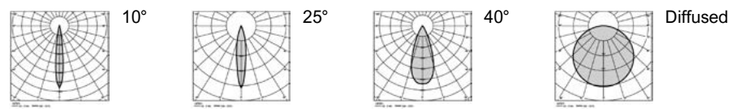


Caelum

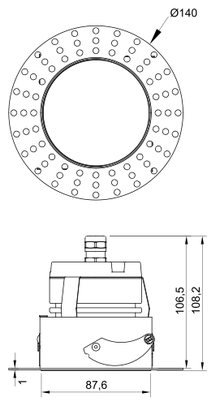


	2.0	2.1
Source type	single chip power LED	single chip power LED
CCT	2700K	2700K
	3000K	3000K
	4000K	4000K
CRI	>90	>90
Step MacAdam	2	2
Lumen output	up to 152 lm	up to 101 lm
Beam angle	10°	Diffused
	25°	
	40°	
Optical optional	None	None
	Honeycomb	
	Louvre	
Lifetime	L80 B10 50.000h	L80 B10 50.000h
IP rating	IP66 / 68	IP66 / 68
IK rating	IK10	IK10
Finishing colour	Black silk-print	Black silk-print
	White silk-print	White silk-print
Body material	Anodized aluminum 20µ anticorodal 6082	Anodized aluminum 20µ anticorodal 6082
Diffuser material	Extraclear tempered glass	Extraclear tempered glass
Diffuser thickness	10 mm	10 mm
Class ISO 9223	CX	CX
Operating temperature	-20° C / +50° C	-20° C / +50° C
Power	3W	3W
Input power supply	Costant voltage 24V	Costant voltage 24V
Ballast	Remote	Remote
Insulation class	III Class	III Class
Dimmable	Yes	Yes
Cable type	H05RN-F 2x0,75 mm²	H05RN-F 2x0,75 mm²
Electrical connetion	Parallel	Parallel
Idroskud® protection	Yes	Yes

Photometry

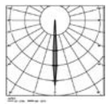


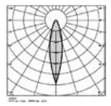
Caelum

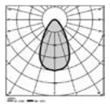


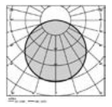
	3.0	3.1
Source type	single chip power LED	single chip power LED
CCT	2700K	2700K
	3000K	3000K
	4000K	4000K
CRI	>90	>90
Step MacAdam	2	2
Lumen output	up to 370 lm	up to 258 lm
Beam angle	5°	Diffused
	20°	
	60°	
Optical optional	None	None
	Honeycomb	
	Louvre	
Lifetime	L80 B10 50.000h	L80 B10 50.000h
IP rating	IP66 / 68	IP66 / 68
IK rating	IK10	IK10
Finishing colour	Black silk-print	Black silk-print
	White silk-print	White silk-print
Body material	Anodized aluminum 20µ anticorodal 6082	Anodized aluminum 20µ anticorodal 6082
Diffuser material	Extraclear tempered glass	Extraclear tempered glass
Diffuser thickness	10 mm	10 mm
Class ISO 9223	CX	CX
Operating temperature	-20° C / +50° C	-20° C / +50° C
Power	7W	7W
Input power supply	Costant voltage 24V	Costant voltage 24V
Ballast	Remote	Remote
Insulation class	III Class	III Class
Dimmable	Yes	Yes
Cable type	H05RN-F 2x0,75 mm²	H05RN-F 2x0,75 mm²
Electrical connetion	Parallel	Parallel
Idroskud® protection	Yes	Yes

Photometry


5°


20°


60°


Diffused

Lamina

[‘là:mi:na]

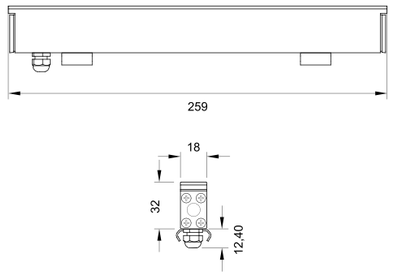
LAMINA, the slim and discreet linear recessed fixture, designed to illuminate with elegance while seamlessly integrating into the space. Its minimalist profile, combined with a PMMA diffused optic, ensures visual comfort and a perfect harmony between light and architecture.

Ideal for subtly enhancing pathways, green areas and façades, LAMINA is modular, dimmable, load-bearing (carrable), and also available with an RGBW light source, adapting flexibly to any public or private setting.

Lamina 2.0 / 5.0 / 10.0 / 15.0

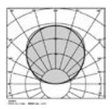
Lamina 2.1 / 5.1 / 10.1 / 15.1

Lamina



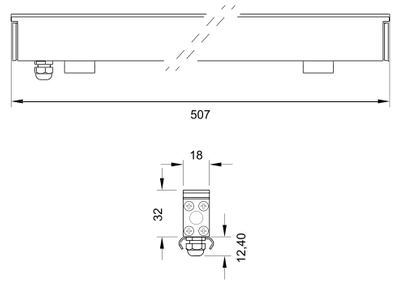
	2.0	2.1
Source type	chip SMD 3014	chip SMD 3014 + chip SMD 3528
CCT	2700K	RGBW (4000K)
	3000K	
	4000K	
CRI	>80	>80
Step MacAdam	3	3
Lumen output	up to 96 lm	up to 107 lm
Beam angle	Diffused 120°	Diffused 120°
Optical optional	None	None
Lifetime	L80 B10 50.000h	L80 B10 50.000h
IP rating	IP66 / 67	IP66 / 67
IK rating	IK10	IK10
Body material	Transparent PMMA	Transparent PMMA
Diffuser material	Opal PMMA	Opal PMMA
Class ISO 9223	CX	CX
Operating temperature	-20° C / +50° C	-20° C / +50° C
Static load	2000 kg (20 kN)	2000 kg (20 kN)
Walk-over	Yes	Yes
Drive-over	Yes	Yes
Power	3,5W	6,5W
Input power supply	Costant voltage 24V	Costant voltage 24V
Ballast	Remote	Remote
Insulation class	III Class	III Class
Dimmable	Yes (PWM)	Yes (PWM)
Connector type	M12 5 poles IP67	M12 5 poles IP67
Electrical conetion	Parallel	Parallel
Idroskud® protection	Yes	Yes

Photometry



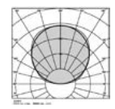
Diffused

Lamina



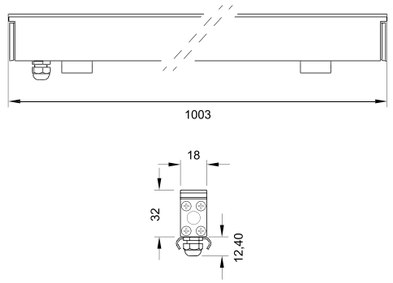
	5.0	5.1
Source type	chip SMD 3014	chip SMD 3014 + chip SMD 3528
CCT	2700K	RGBW (4000K)
	3000K	
	4000K	
CRI	>80	>80
Step MacAdam	3	3
Lumen output	up to 191 lm	up to 213 lm
Beam angle	Diffused 120°	Diffused 120°
Optical optional	None	None
Lifetime	L80 B10 50.000h	L80 B10 50.000h
IP rating	IP66 / 67	IP66 / 67
IK rating	IK10	IK10
Body material	Transparent PMMA	Transparent PMMA
Diffuser material	Opal PMMA	Opal PMMA
Class ISO 9223	CX	CX
Operating temperature	-20° C / +50° C	-20° C / +50° C
Static load	2000 kg (20 kN)	2000 kg (20 kN)
Walk-over	Yes	Yes
Drive-over	Yes	Yes
Power	7W	13W
Input power supply	Costant voltage 24V	Costant voltage 24V
Ballast	Remote	Remote
Insulation class	III Class	III Class
Dimmable	Yes (PWM)	Yes (PWM)
Connector type	M12 5 poles IP67	M12 5 poles IP67
Electrical conetion	Parallel	Parallel
Idroskud® protection	Yes	Yes

Photometry



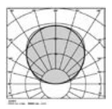
Diffused

Lamina



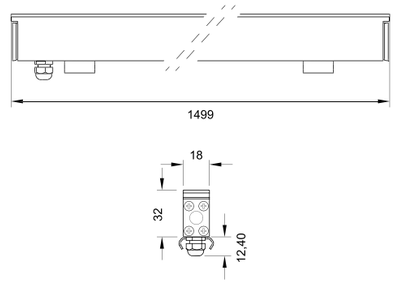
	10.0	10.1
Source type	chip SMD 3014	chip SMD 3014 + chip SMD 3528
CCT	2700K	RGBW (4000K)
	3000K	
	4000K	
CRI	>80	>80
Step MacAdam	3	3
Lumen output	up to 381 lm	up to 426 lm
Beam angle	Diffused 120°	Diffused 120°
Optical optional	None	None
Lifetime	L80 B10 50.000h	L80 B10 50.000h
IP rating	IP66 / 67	IP66 / 67
IK rating	IK10	IK10
Body material	Transparent PMMA	Transparent PMMA
Diffuser material	Opal PMMA	Opal PMMA
Class ISO 9223	CX	CX
Operating temperature	-20° C / +50° C	-20° C / +50° C
Static load	2000 kg (20 kN)	2000 kg (20 kN)
Walk-over	Yes	Yes
Drive-over	Yes	Yes
Power	13W	26W
Input power supply	Costant voltage 24V	Costant voltage 24V
Ballast	Remote	Remote
Insulation class	III Class	III Class
Dimmable	Yes (PWM)	Yes (PWM)
Connector type	M12 5 poles IP67	M12 5 poles IP67
Electrical conetion	Parallel	Parallel
Idroskud® protection	Yes	Yes

Photometry



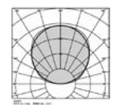
Diffused

Lamina



	15.0	15.1
Source type	chip SMD 3014	chip SMD 3014 + chip SMD 3528
CCT	2700K	RGBW (4000K)
	3000K	
	4000K	
CRI	>80	>80
Step MacAdam	3	3
Lumen output	up to 572 lm	up to 638 lm
Beam angle	Diffused 120°	Diffused 120°
Optical optional	None	None
Lifetime	L80 B10 50.000h	L80 B10 50.000h
IP rating	IP66 / 67	IP66 / 67
IK rating	IK10	IK10
Body material	Transparent PMMA	Transparent PMMA
Diffuser material	Opal PMMA	Opal PMMA
Class ISO 9223	CX	CX
Operating temperature	-20° C / +50° C	-20° C / +50° C
Static load	2000 kg (20 kN)	2000 kg (20 kN)
Walk-over	Yes	Yes
Drive-over	Yes	Yes
Power	20W	39W
Input power supply	Costant voltage 24V	Costant voltage 24V
Ballast	Remote	Remote
Insulation class	III Class	III Class
Dimmable	Yes (PWM)	Yes (PWM)
Connector type	M12 5 poles IP67	M12 5 poles IP67
Electrical conetion	Parallel	Parallel
Idroskud® protection	Yes	Yes

Photometry



Diffused

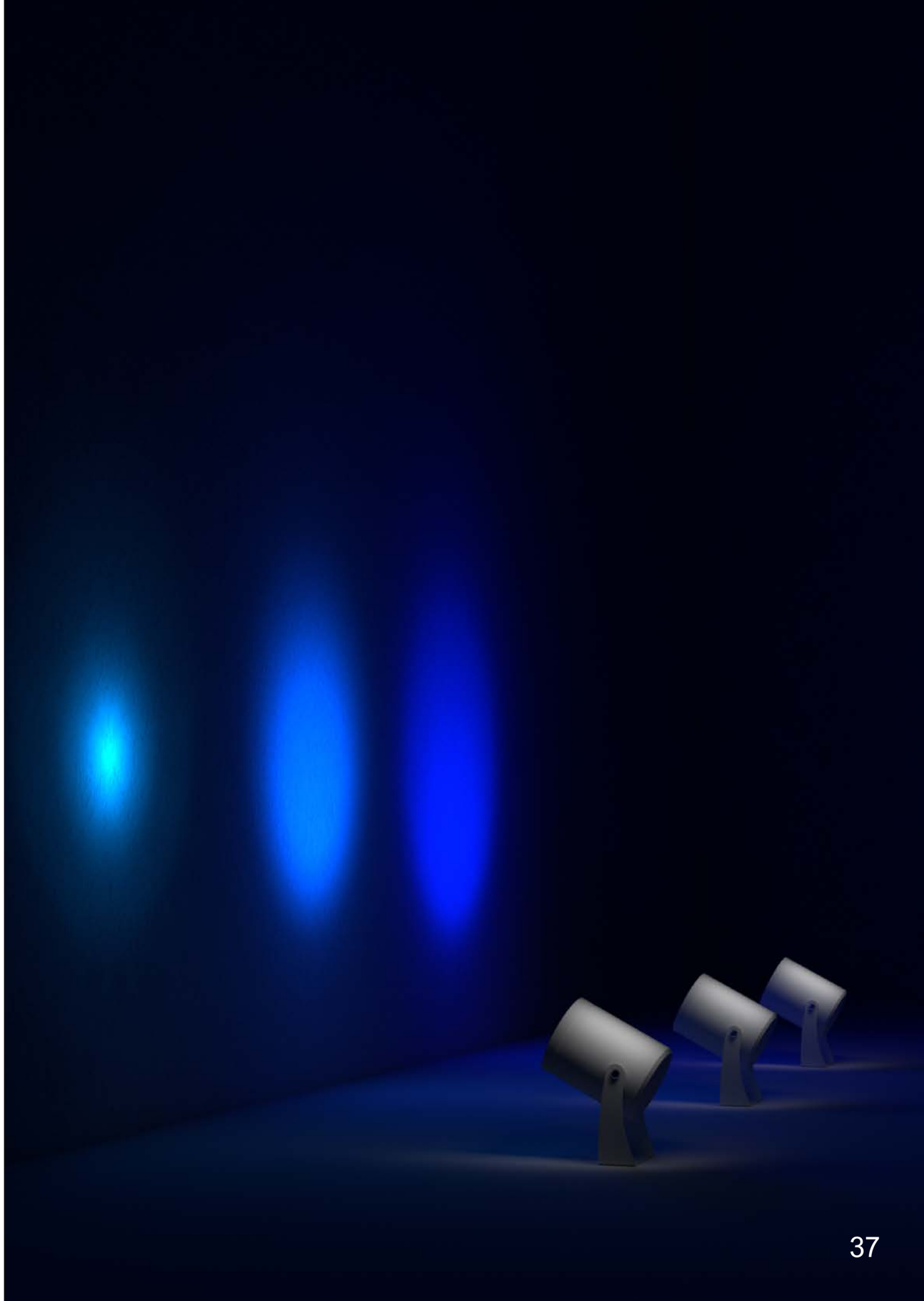
Flumen 3.1

[‘flu:men]

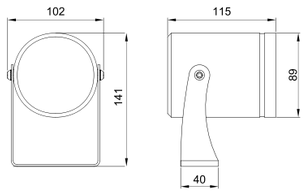
FLUMEN is a versatile lighting line that transforms every project into a unique experience. With a wide range of sizes and power options, it offers complete customization, with external accessories such as visors and snoots to meet any requirement.

Now, FLUMEN is also available in a RGBW version, allowing the creation of dynamic and exciting lighting scenes that bring tailor-made atmospheres to life in any setting.

Flumen 3.1



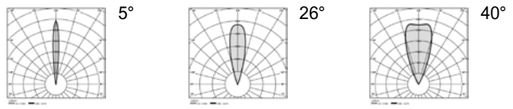
Flumen 3.1 RGBW



3.1

Source type	LED multi-chip
CCT	RGBW (4000K)
CRI	>80
Step MacAdam	3
Lumen output	up to 546 lm
Beam angle	5°
	26°
	40°
Optical optional	None
	Honeycomb
Lifetime	L80 B10 50.000h
IP rating	IP66 / 67
IK rating	IK10
Type of finishing	Epoxy-polyester powder coating
Finishing colour	Anthracite RAL7016
	Black RAL9005
	Corten
	Green RAL6009
	White RAL9003
Body material	Anodized aluminum anticorodal 6082
Braket material	Shot peened stainless steel 316L
Diffuser material	Extraclear tempered glass
Diffuser thickness	10mm
Class ISO 9223	C5
Operating temperature	-20° C / +50° C
Power	13W
Input power supply	Costant voltage 24V
Ballast	Remote
Insulation class	III Class
Dimmable	Yes (PWM)
Cable type	FR5FOEM7-AD8 6x0,5 mm²
Electrical connetion	Parallel
Idroskud® protection	Yes

Photometry



Coming soon

Vertigo

[‘ver:tì:go]

VERTIGO is the modular linear inground that combines discretion and effectiveness, designed to enhance large façades with elegance. Available in two versions (with trim and trimless), it offers a wide range of optics to meet every lighting requirement, providing tailor-made solutions perfectly integrated into the space.

Vector

[‘vèc:tor]

VECTOR is a linear floodlight designed for surface-mounted installations that require minimal visual impact. Mounted on adjustable brackets, it provides maximum flexibility and precision in directing light, while maintaining elegance and discretion.

With its wide range of optics, VECTOR is ideal for highlighting the façades of monuments, historic buildings, and churches, delivering uniform and evocative illumination without compromising architectural integrity.

Robur
Double Sensor

[‘rò:bur]

ROBUR will also be available in a new version equipped with two individual sensors and integrated CASAMBI control system.
It can be conveniently managed via an app, offering smart and flexible solutions for any urban or private project.

The double sensor further increases the already remarkable design flexibility of this innovative bollard.
It allows you to create separate scenes, triggered, for example, by the passage of a car on one side and a pedestrian on the other.

Nota

[‘nò:ta]

NOTA is the new bollard expanding the Mizar collection, combining minimalist design with high performance. Available in three sizes with efficient, high-performing asymmetrical optics, it ensures precise, uniform and comfortable lighting.

Designed for residential outdoor spaces, it is ideal for gardens, pathways and entrances, enhancing exterior areas with discretion and elegance.

Available in powder-coated anodized aluminum or in the refined WOOD version with treated IROKO wood body, NOTA blends harmoniously into any architectural or landscape setting.

Mizar online tools

IT

EN

The Mizar website is not just an online catalog, but a real professional tool designed to support architects, lighting designers, planners, and installers at every stage of their work. Every project is a vision to be realized: Mizar is at your side to illuminate it, step by step.

Browsing mizar.it means accessing a tool designed to simplify every stage of product research and selection. Thanks to advanced search, Thanks to advanced search functions, users can filter by key parameters such as type, application, light source, and degree of protection. This makes it easy to find the solution best suited to your design needs, saving time and optimizing results.

Once you have identified the type of device, you can proceed with customization using the configurator, a simple and intuitive tool that allows you to quickly define the product specifications and generate the correct code to access the relevant product sheet.

Within the sheet, you will find all the technical materials necessary for design available for download: images, technical drawings, 3D models, .IES files for lighting simulations, assembly instructions, certifications, and much more.

Mizar
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LIGHTING YOUR WAY