

# WIBRE



**HIRO**<sup>TM</sup>  
GROUND SERIES

**Highly Robust  
Architectural Lighting**

# Contact

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@wibre



@WibreLighting

# Making the unique visible

Permanent operation and challenging environments are all solved with HIRO.  
Highly robust, 100 % permanently water-resistant – the hero for your lighting needs.

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## We love challenges

We make architecture and its environment visible. Especially environments that drive us to peak performance: salty air, flooding, rough coasts, heavy rain, temperature fluctuations, high traffic areas and much more. We developed HIRO for this. Tough and for long-term use.

Despite their characteristic stability and resistance, these in-ground spotlights also set standards in luminaire design. The clear design language in form and material without any frills ensures elegant and discreet integration into any architecture.





© Church, Hoevelaken, Netherlands  
Partner: ESZET Lighting B.V.

# Built to last

HIRO. The hero for highly robust architectural lighting. Timeless elegance, made for eternity. With outstanding characteristics, this series defies the most adverse conditions.

## Protected to the maximum

Encased in WIBRE-typical epolished 316Ti stainless steel and topped with a robust ultra-clear safety glass provides unparalleled resistance. HIRO has been designed and developed to meet the highest demands with the knowledge garnered from

over 70 years of designing underwater lighting. For absolute watertightness and heavy-duty use, the spotlights have IP68 and IP69 protection. In addition, the maximum standardised mechanical load rating of up to IK11 is ensured and a load of up to two tonnes is approved.



# Engineered to change

With innovations from top to bottom, this series is a game changer for lighting in exterior spaces. Lighting becomes safer and easier and a hero for the long-lasting fascination of architecture.



## Tiny but mighty

The newly developed CapStop™ is a world first and a masterstroke. Water ingress caused by the capillary effect via the cable and the cable core is stopped 100%. Humidity from junction boxes or technical rooms can no longer penetrate the spotlight. As the luminaire is completely encapsulated, droplet formation on the inner glass of the luminaire is a thing of the past. This prevents the lighting from failing due to moisture.

## Rethinking installation

A new type of installation in the ground simplifies mounting and utilisation. The stainless steel installation housing, consisting of three parts, is highly resilient and lightweight due to its structure, yet it is also sustainable and offers sufficient space for junction boxes.



## Eye friendly

The black matt interior significantly reduces glare without the need for additional accessories. Glare is further reduced by mounting the LED unit low down in the housing.



# Align light precisely

HIRO brings light exactly where it is needed. The luminaires can be precisely aligned to illuminate objects effectively and draw the focus to the essentials.



## Focussed illumination

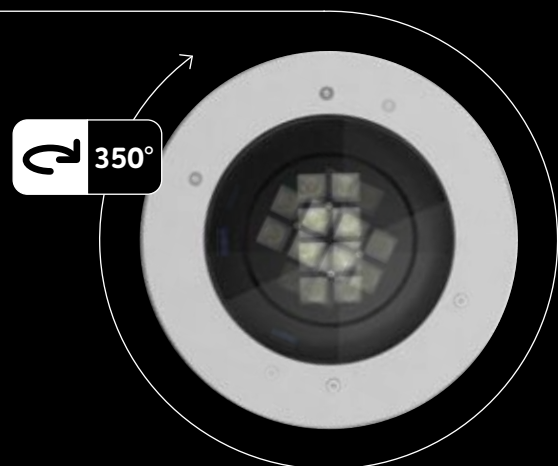
The LED unit can be swivelled by  $20^\circ$  to enable targeted illumination of the object. This reduces light loss and the object to be illuminated is focussed. The tilt angle of the LED unit is set according to specifications during production at the factory.

## Swivelling without opening the luminaire

With a newly developed additional module, the LED unit can also be swivelled by up to  $20^\circ$  on site without the need to open the luminaire. To do this, simply loosen the screw connection on the luminaire housing and set the desired tilt angle using a screwdriver. Then close the screw connection again. That's it. The IP68 and IP69 protection ratings are retained. Another milestone in architectural lighting.

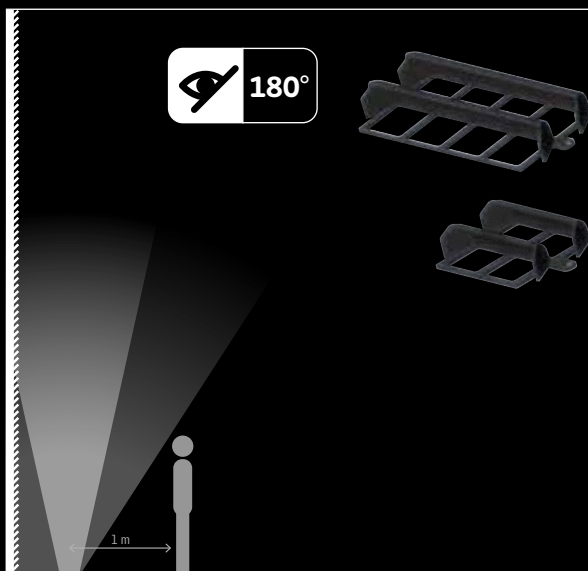
## Rotate perfectly to the object

Even after installation, the spotlight can be rotated by  $350^\circ$  to direct the light perfectly towards the object and react to irregularities in the terrain. This ensures uniform illumination and a consistent appearance in daylight even after installation.



# Perfect and safe additions

Clever additions make every single HIRO luminaire versatile and suitable for individual requirements – heroic and safe from every angle.

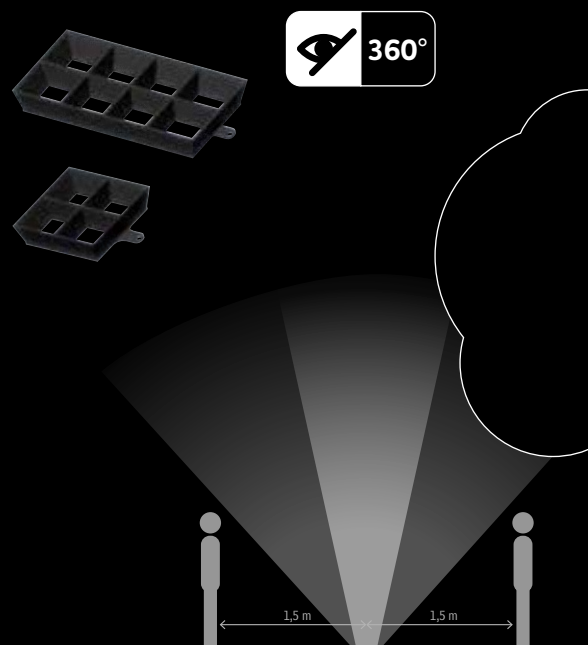


## 180° glare-free light

This innovative accessory provides glare-free illumination in front of and beside the luminaire (180°) from a distance of just one metre. This not only improves visual comfort, but also increases the safety and usability of illuminated areas. A minimal light loss of 4 % ensures that the light output is almost completely retained. Particularly suitable for installations in front of façades, walls or other vertical surfaces where targeted and comfortable lighting is required.

## 360° glare-free light

This special accessory ensures glare-free illumination in all directions (360°) from a distance of 1.50 metres from the luminaire. Uniform light distribution without annoying reflections or glare effects is guaranteed. With an extremely low light loss of just 1 %, the light output is fully maintained. This makes the glare louvre particularly suitable for installations with all-round access where lighting without glare effects is required – for example in public squares, pavements or open landscaped areas.



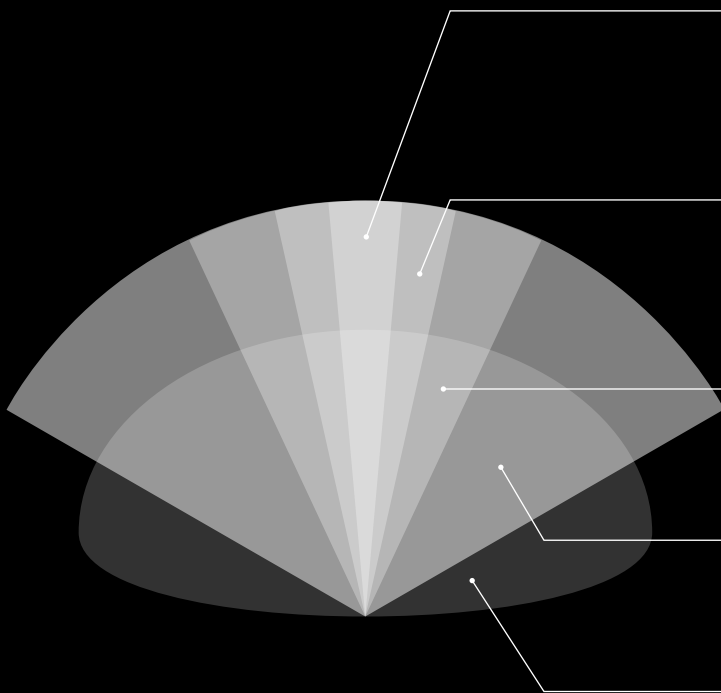
## Maximum anti-slip properties

The use of an anti-slip disc is recommended or mandatory in publicly accessible areas. The optionally available anti-slip discs in the HIRO series fulfil the highest slip resistance class R13. This stands for a very high 'static friction coefficient' and, according to the standard, is slip-resistant up to an angle of inclination of over 35°. This also allows them to be used in water-flowing or very damp and muddy areas.



# Shining character

The choice of different optics and light colours opens up endless possibilities for visual lighting design and guarantees full lighting control in outdoor areas.



## Spot 10°

The very narrowly focussed beam is ideal for targeted lighting and architectural lighting design.

## Medium 25°

The standard beam angle of the HIRO series can be used in many areas of architectural and object lighting.

## Wide 50°

Optimum wide-area illumination of buildings is achieved with a wide light beam.

## Flood 120°

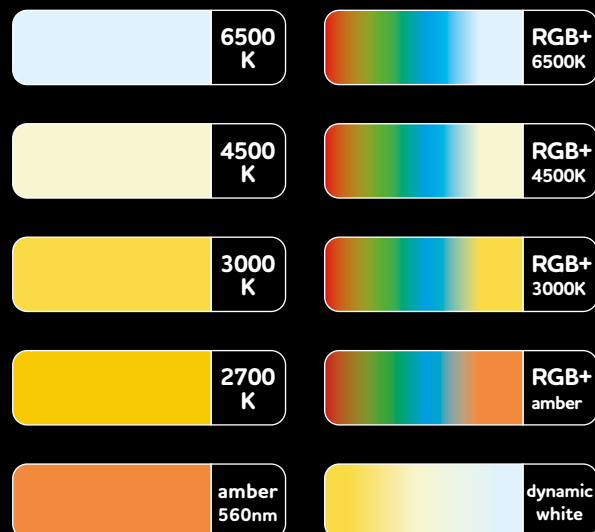
The flat, very wide light distribution ensures homogeneous illumination of large areas.

## Diffuse

An additional frosted disc inside the luminaire ensures diffuse and soft light distribution. The light intensity is barely affected and is still 92 percent.

## Application-related light colours

With exterior lighting, we want to visualise unique architecture as well as urban and natural spaces. Every application has its own characteristics that need to be considered when planning lighting. A central component for a harmonious appearance and human perception is the choice of light colour. HIRO offers a wide range of options for monochrome and dynamic light to precisely match the requirements, the different surfaces and the surroundings.



# Sustainable responsibility

Sensitive ecosystems must be respected, protected and managed sustainably. HIRO makes a decisive and environmentally friendly contribution to this. The lighting.



## Suitable for coastal areas

Extreme loads occur in maritime environments, whether in harbour facilities, on promenades, piers or in coastal towns. In the event of flooding or heavy rain, the maximum protection classes IP68 and IP69 provide safety, and in the case of rockfall, flotsam or wave crashes, HIRO defies them with the highest impact resistance class. The 316Ti stainless steel used protects the luminaire from aggressive environmental influences such as salty air near the sea, salt water and sand. Overall, this results in an extremely long service life, which minimises maintenance work in coastal areas that are often difficult to access.

## Withstands high temperatures

The maximum permissible ambient temperature of 40°C exceeds most standards. This means that the luminaire series can also be used in hot regions. In addition, the integrated intelligent temperature monitoring system protects the LED modules. Carefree use is guaranteed.



## Protection of the night sky

Thanks to the modularity of light colour, glare louvre, swivelling and control of the luminaire, nature-friendly lighting is possible in public spaces. With skilful planning and combination, light pollution at night can be reduced.

## Light in harmony with animals

To ensure that the ecological balance is not jeopardised, it is important to consciously plan artificial lighting in natural and urban spaces. The choice of light colour is crucial in order to minimise the disturbance of nocturnal animals. This applies in particular to insects and coastal sea turtles. Special amber-coloured LEDs are available for this purpose, which have a wavelength of more than 560 nm and therefore a significantly reduced blue component. Insects perceive light with a blue component much more strongly than yellow or red light. Amber LEDs therefore hardly attract any insects and do not disturb their habitat. The glare effect for land animals such as turtles can also be significantly reduced with the available glare louvres.

**4.0108**

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**4.0208**

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**4.0298**

Page 25







© ATMOSPHERE by Krallerhof, Leogang, Austria

# 4.0108 Recessed spotlight

Up to 875 lumen light intensity



### Description

- Luminaire from the HIRO Inground series
- Protection class IP68 (up to 20 m water depth) – protection against flooding
- Protection class IP69 (up to 80°C) – protection against high pressure and high jet water temperatures
- Impact resistance IK11
- Static load capacity 10kN (1,000 kg)
- CapStop™ system against moisture and water drops inside the luminaire
- Luminaire entirely made of stainless steel 316Ti 1.4571, electropolished
- Round or square attachment cover, height 3 mm
- Tempered safety glass (ESG)

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- POW-LED cold white, warm white, neutral white, extra warm white (230 V)
- Multichip POW-LED RGB-W or Amber (operating mode: constant current)
- Rotationally symmetric light distribution
- DALI-2 compatible (via external)
- LED unit can be swivelled plus 20° (factory-set)
- Luminaire can be rotated 350° in the installation sleeve
- Optimised glare control with light-absorbing matt black interior (optionally matt white)
- Max. surface temperature on the luminaire: 50°C
- Max. permissible ambient temperature: 40°C

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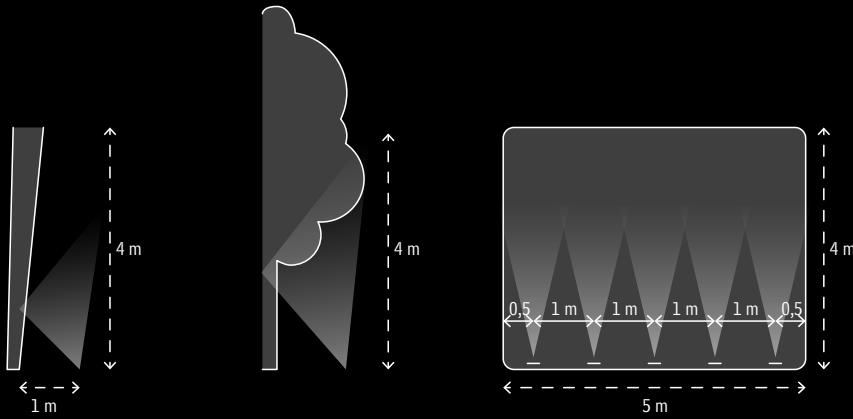
- (Mono) Integrated power supply unit
- (RGB-W) External controller (to be ordered separately)
- (Mono) Supplied with 1.0 m connected cable (H07RN-F)
- (RGB-W) Supplied with 5.0 m connected UW cable
- Innovative installation housing set made of stainless steel 304L (to be ordered separately)



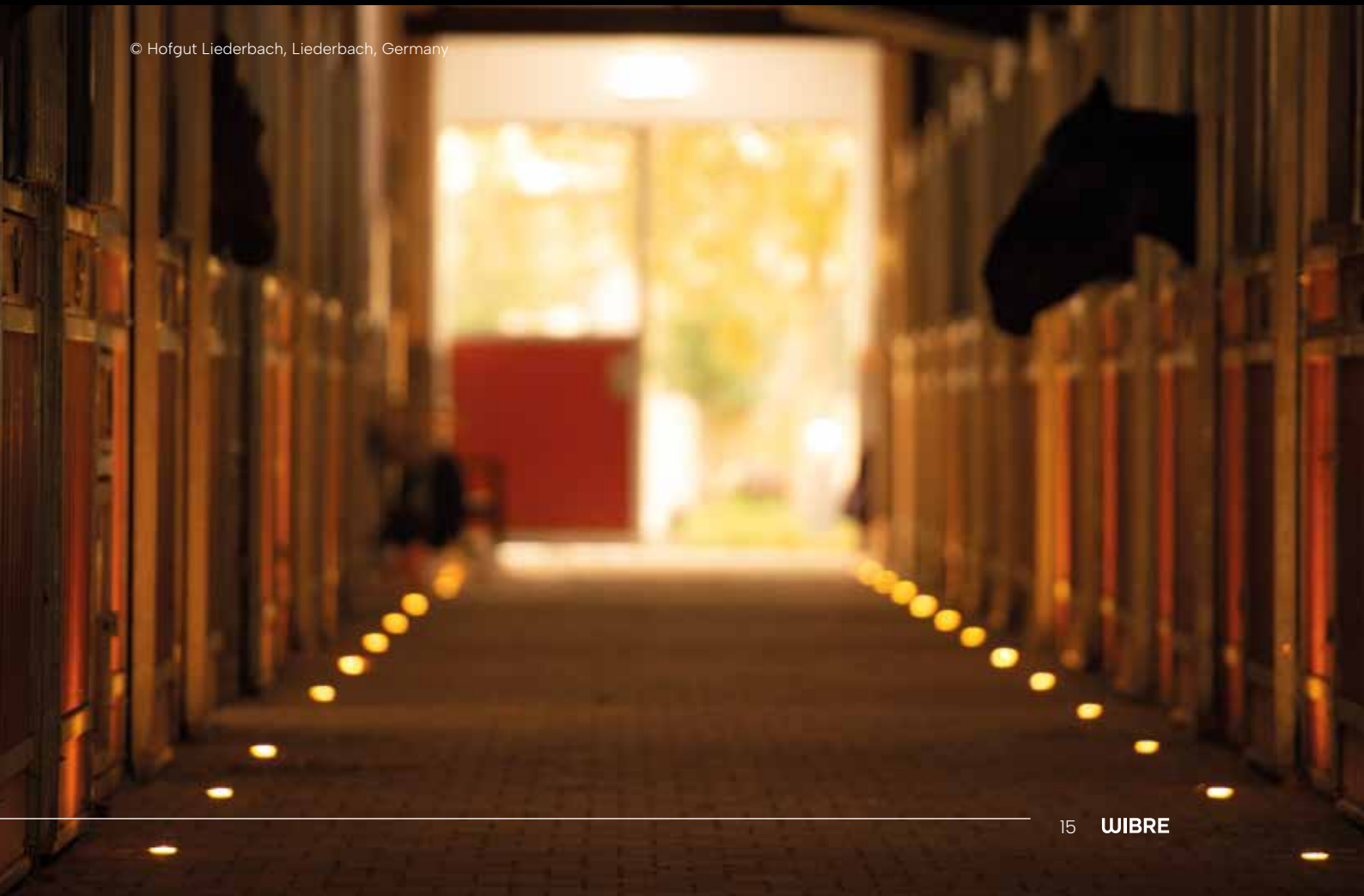
## 4.0108

### Typical applications

To illuminate façades and walls, the luminaires are installed at a distance of around 1 metre. Objects, such as sculptures and trees, are illuminated in a targeted manner using the swivelling LED unit up to a height of 4 metres.

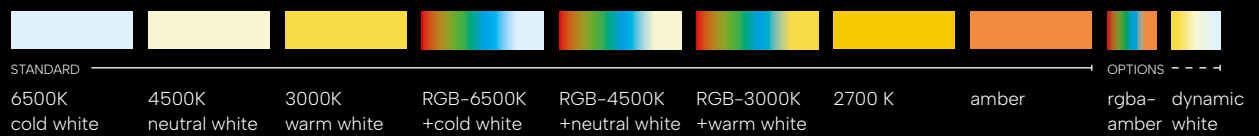


© Hofgut Liederbach, Liederbach, Germany

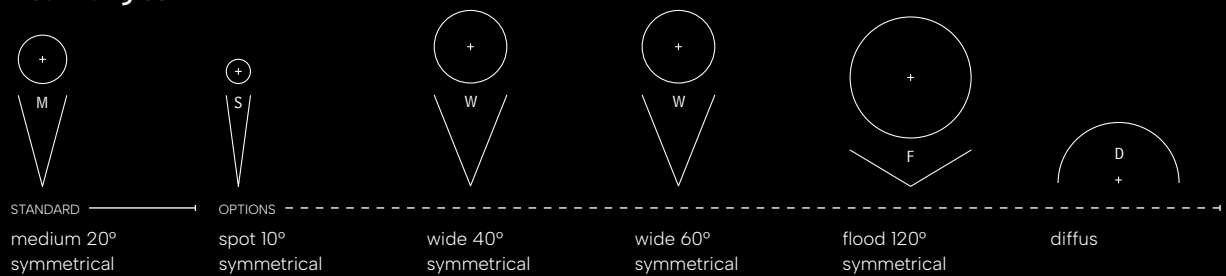


## 4.0108







### Colour temperatures



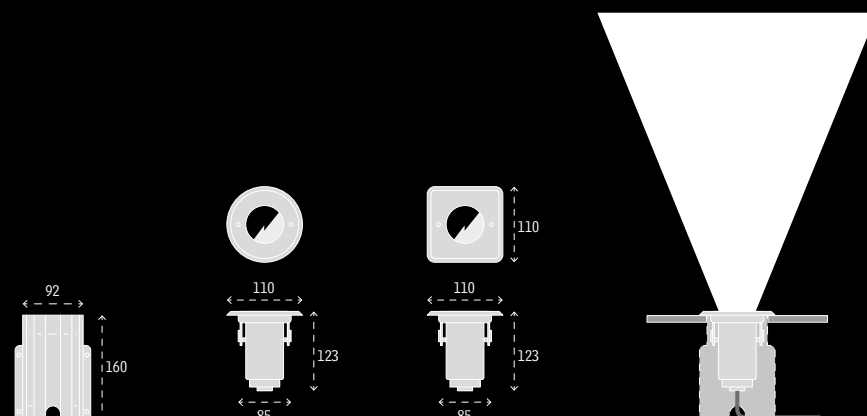
### Beam angles



### Additional parts

					
9.0108.00.20	9.0108.00.50	9.0108.00.51	50.40108.0003	9.0108.00.30	9.9012.00.01
Additional disc, frosted	anti-glare louvre	anti-glare louvre	Anti-skid coating	Interior cover, matt white	Junction box
für 4.0108, for softer light distribution (light loss approx. -8%)	for 4.0108   glare-free light at a distance from 1 m around the luminaire (360 degrees)   light loss 3 %   ideal for installation with all-round access to reduce glare for passers-by   internal, black	for 4.0108   glare-free light at a distance from 0,80m in front and beside the luminaire (180 degrees)   light loss 8 %   ideal for installation in front of façades or similar to reduce glare for passers-by   internal, black	Highest anti-slip class R13	for 4.0108, as an alternative to the standard black cover	Set with 1 junction box   IP68   Encapsulation kit for HIRO series   Suitable for installation housing 4.0208/4.0298 and next to installation housing 4.0108   88 x 88 x 50 mm   Plastic
					9.9012.00.02
					Set with 2 junction boxes

### Dimensions



## 4.0108



IP68 IP69	IK11	1.0t	STAINLESS STEEL V4A 1.4571 316Ti	2.700 K 3.000 K 4.500 K 6.500 K	230 V	RGB-W	CONSTANT CURRENT KONSTANT STROM	DALI 1-10 V OPTIONAL DIMM	CABLE INCL.	ta max 40°C	CAP STOP	↑ ↓	CE
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### Monochrome illumination

Cover	Article	Color	Lumen	Specifications	Control gear	Details
Round Cover	4.0108.20.11	6.500K cold white	875 lm	LED 1 POW-LED	Inclusive (230 V)	→ <a href="#">www</a>
	4.0108.20.12	3.000K warm white	710 lm	Watt total 6 W		
	4.0108.20.13	4.500K neutral white	760 lm	Power 230 V		
	4.0108.20.18	2.700K extra warm white	700 lm	Beam 20° medium		
	4.0108.40.11	6.500K cold white	875 lm	Cable H07RN-F, 3x1,0 qmm		
Square Cover	4.0108.40.12	3.000K warm white	710 lm			
	4.0108.40.13	4.500K neutral white	760 lm			
	4.0108.40.18	2.700K extra warm white	700 lm			

### Dynamic illumination

Cover	Article	Color	Lumen	Specifications	Control gear	Details
Round Cover	4.0108.20.41	RGB-CW cold white 6.500K	CW: 240 lm	LED 1 Multichip POW-LED	5.0670.79.52 max 6	→ <a href="#">www</a>
	4.0108.20.42	RGB-WW warm white 3.000K	WW: 210 lm	Watt all on 8,5 W		
	4.0108.20.43	RGB-NW neutral white 4.500K	NW: 225 lm	Power CC 700 mA, max 3,5 V-DC		
	4.0108.20.24	Amber	390 lm	Beam 20° medium		
	4.0108.40.41	RGB-CW cold white 6.500K	CW: 240 lm	Cable UW, 10x0,25 qmm		
Square Cover	4.0108.40.42	RGB-WW warm white 3.000K	WW: 210 lm			
	4.0108.40.43	RGB-NW neutral white 4.500K	NW: 225 lm			
	4.0108.40.24	Amber	390 lm			

### Installation housings

4.0108.01.00	9.0108.00.10	95.40108.0001
Installation housing made of stainless steel 304L, for installation of HIRO series luminaires in loose or solid surfaces	Mounting kit optional for installation sleeve 4.0108, consisting of 4 floor retaining clips, For fixing the installation housing to the ground	Protective cover optional for installation sleeve 4.0108, Material chipboard water resistant, for closing the installation housing during the construction phase

### Notes

The connection of the luminaire must comply with protection class IP68

When installing the light, any national standards must be observed

The light source of this luminaire may only be replaced by the manufacturer or a service technician authorised by the manufacturer or a similarly qualified person

To avoid hazards, a damaged outer flexible cable of this light may only be replaced by the manufacturer, its service agent or a comparable specialist

The separately available mounting kit is recommended for adjacent compaction of the substrate (e.g. with a vibrating plate)



© Stavros Niarchos Foundation Cultural Center, Athen, Greece  
Lighting Design: ARUP  
Lighting Supplier: Foss SA  
Installer: Joint Venture Salini Impregilo TERNA  
Design Architect: Renzo Piano Building Workshop  
Photos: The Dark Room Photo Production Ltd

# 4.0208 Recessed spotlight

Up to 1925 lumen light intensity



1:1 scale



### Description

- Luminaire from the HIRO Inground series
- Protection class IP68 (up to 20 m water depth) – protection against flooding
- Protection class IP69 (up to 80°C) – protection against high pressure and high jet water temperatures
- Impact resistance IK11
- Static load capacity 20kN (2,000 kg)
- CapStop™ system against moisture and water drops inside the luminaire
- Luminaire entirely made of stainless steel 316Ti 1.4571, electropolished
- Round or square attachment cover, height 3 mm
- Tempered safety glass (ESG)

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- POW-LED cold white, warm white, neutral white, extra warm white (230 V)
- Multichip POW-LED RGB-W or Amber (operating mode: constant current)
- Rotationally symmetric light distribution
- temperature controlled
- (Mono) DALI-2 dimmable
- LED unit can be swivelled plus 20° (factory-set or on site via additional module)
- Luminaire can be rotated 350° in the installation sleeve
- Optimised glare control with light-absorbing matt black interior (optionally matt white)
- Max. surface temperature on the luminaire: 50°C
- Max. permissible ambient temperature: 40°C

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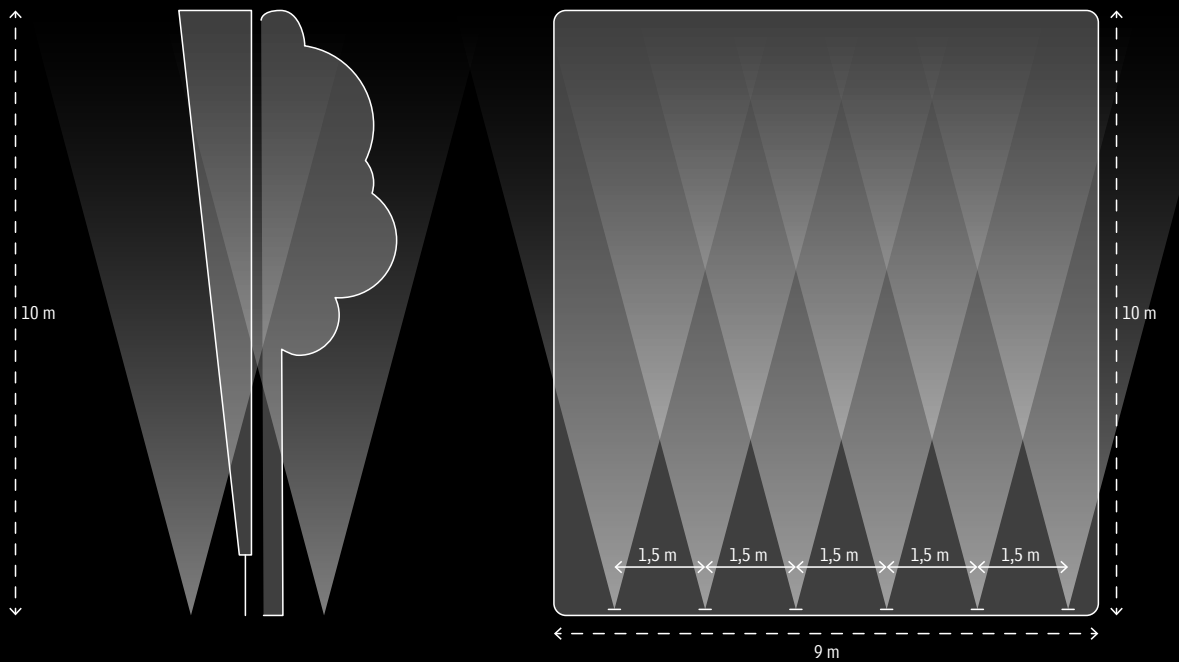
- (Mono) Integrated power supply unit
- (RGB-W) External controller (to be ordered separately)
- (Mono) Supplied with 0.5 m connected cable (H07RN-F)
- (RGB-W) Supplied with 5.0 m connected UW cable
- Innovative installation housing set made of stainless steel 304L (to be ordered separately)



## 4.0208

### Typical applications

For full-surface illumination of façades and walls, the luminaires are arranged at a distance of around 1.5 metres and 1 metre from the wall. Objects such as monuments and trees are illuminated symmetrically from the ground up to a height of 10–12 metres. The use of additional matt discs or anti-glare grids is recommended for orientation lighting, and an anti-slip disc is recommended in public areas with public traffic.



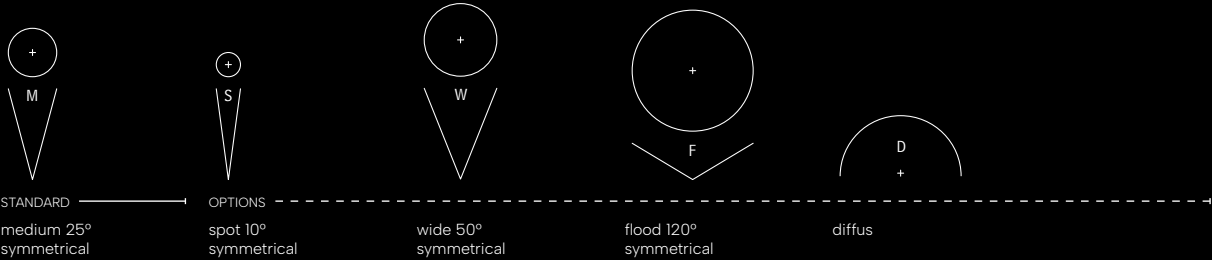
© Vischmarkt Harderwijk, Netherlands  
Partner: ESZET Lighting B.V.  
Photo: Henk Merjenburgh

# 4.0208







## Colour temperatures



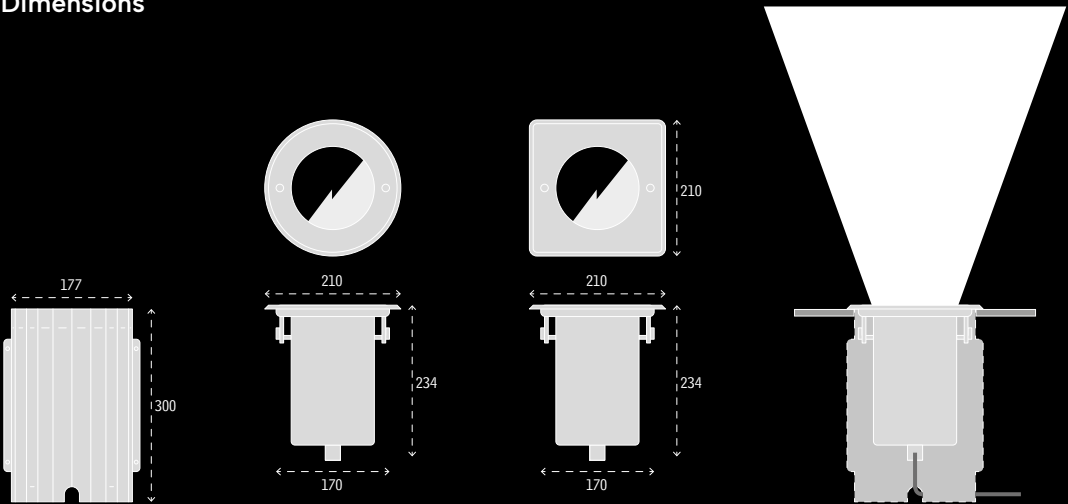
## Beam angles



## Additional parts

					
9.0208.00.20	9.0208.00.50	9.0208.00.51	50.40208.0003	9.0208.00.30	9.9012.00.01
Additional disc, frosted	anti-glare louvre	anti-glare louvre	Anti-skid coating	Interior cover, matt white	Junction box
für 4.0208, for softer light distribution (light loss approx. -8%)	for 4.0208   glare-free light at a distance from 1.50 m around the luminaire (360 degrees)   light loss 1 %   ideal for installation with all-round access to reduce glare for passers-by   internal, black	for 4.0208   glare-free light at a distance from 1.00 m in front and beside the luminaire (180 degrees)   light loss 4 %   ideal for installation in front of façades or similar to reduce glare for passers-by   internal, black	Highest anti-slip class R13	for 4.0208, as an alternative to the standard black cover	Set with 1 junction box   IP68   Encapsulation kit for HIRO series   Suitable for installation housing 4.0208/4.0298 and next to installation housing 4.0108   88 x 88 x 50 mm   Plastic
					9.9012.00.02
					Set with 2 junction boxes

## Dimensions



## 4.0208



IP68 IP69	IK11	2.0t	STAINLESS STEEL V4A 1.4571 316Ti	2.700 K 3.000 K 4.500 K 6.500 K	230 V	RGB-W	CONSTANT CURRENT KONSTANT STROM	DALI 1-10 V OPTIONAL DIMM	CABLE INCL.	ta max 40°C	CAP STOP	↑ ↓	CE
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### Monochrome illumination

Cover	Article	Color	Lumen	Specifications	Control gear	Details
Round Cover	4.0208.2X.11	6.500K cold white	1925 lm	LED 4 POW-LED	Inclusive (230 V)	→ <a href="#">www</a>
	4.0208.2X.12	3.000K warm white	1550 lm	Watt total 12 W		
	4.0208.2X.13	4.500K neutral white	1670 lm	Power 230 V		
	4.0208.2X.18	2.700K extra warm white	1490 lm	Beam 25° medium		
	4.0208.4X.11	6.500K cold white	1925 lm	Cable H07RN-F, 5x1,0 qmm		
Square Cover	4.0208.4X.12	3.000K warm white	1550 lm	Dimm DALI-2		
	4.0208.4X.13	4.500K neutral white	1670 lm			
	4.0208.4X.18	2.700K extra warm white	1490 lm			

**X → 0** = 20° swivelling factory-set / **1** = 20° swivelling on-site

### Dynamic illumination

Cover	Article	Color	Lumen	Specifications	Control gear	Details
Round Cover	4.0208.2X.41	RGB-CW cold white 6.500K	CW: 580 lm	LED 4 Multichip POW-LED	5.0635.79.52 max 2	→ <a href="#">www</a>
	4.0208.2X.42	RGB-WW warm white 3.000K	WW: 500 lm	Watt all on 17 W		
	4.0208.2X.43	RGB-NW neutral white 4.500K	NW: 540 lm	Power CC 350 mA, max 15 V-DC		
	4.0208.2X.24	Amber	1510 lm	Beam 25° medium		
Square Cover	4.0208.4X.41	RGB-CW cold white 6.500K	CW: 580 lm	Cable UW, 10x0,5 qmm		
	4.0208.4X.42	RGB-WW warm white 3.000K	WW: 500 lm			
	4.0208.4X.43	RGB-NW neutral white 4.500K	NW: 540 lm			
	4.0208.4X.24	Amber	1510 lm			

**X → 0** = 20° swivelling factory-set / **1** = 20° swivelling on-site

### Installation housings

4.0208.01.00	9.0208.00.10	95.40208.0001
Installation housing made of stainless steel 304L, for installation of HIRO series luminaires in loose or solid surfaces	Mounting kit optional for installation sleeve 4.0208 and 4.0298, consisting of 4 floor retaining clips, For fixing the installation housing to the ground	Protective cover optional for installation sleeve 4.0208, Material chipboard water resistant, for closing the installation housing during the construction phase

### Notes

The connection of the luminaire must comply with protection class IP68

When installing the light, any national standards must be observed

The light source of this luminaire may only be replaced by the manufacturer or a service technician authorised by the manufacturer or a similarly qualified person

To avoid hazards, a damaged outer flexible cable of this light may only be replaced by the manufacturer, its service agent or a comparable specialist

The separately available mounting kit is recommended for adjacent compaction of the substrate (e.g. with a vibrating plate)





# 4.0298 Recessed spotlight

Up to 3750 lumen light intensity



1:1 scale

### Description

- Luminaire from the HIRO Inground series
- Protection class IP68 (up to 20 m water depth) – protection against flooding
- Protection class IP69 (up to 80°C) – protection against high pressure and high jet water temperatures
- Impact resistance IK11
- Static load capacity 20kN (2,000 kg)
- CapStop™ system against moisture and water drops inside the luminaire
- Luminaire entirely made of stainless steel 316Ti 1.4571, electropolished
- Round or square attachment cover, height 3 mm
- Tempered safety glass (ESG)

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- POW-LED cold white, warm white, neutral white, extra warm white (230 V)
- Multichip POW-LED RGB-W or Amber (operating mode: constant current)
- Rotationally symmetric light distribution
- temperature controlled
- (Mono) DALI-2 dimmable
- LED unit can be swivelled plus 20° (factory-set or on site via additional module)
- Luminaire can be rotated 350° in the installation sleeve
- Optimised glare control with light-absorbing matt black interior (optionally matt white)
- Max. surface temperature on the luminaire: 50°C
- Max. permissible ambient temperature: 40°C

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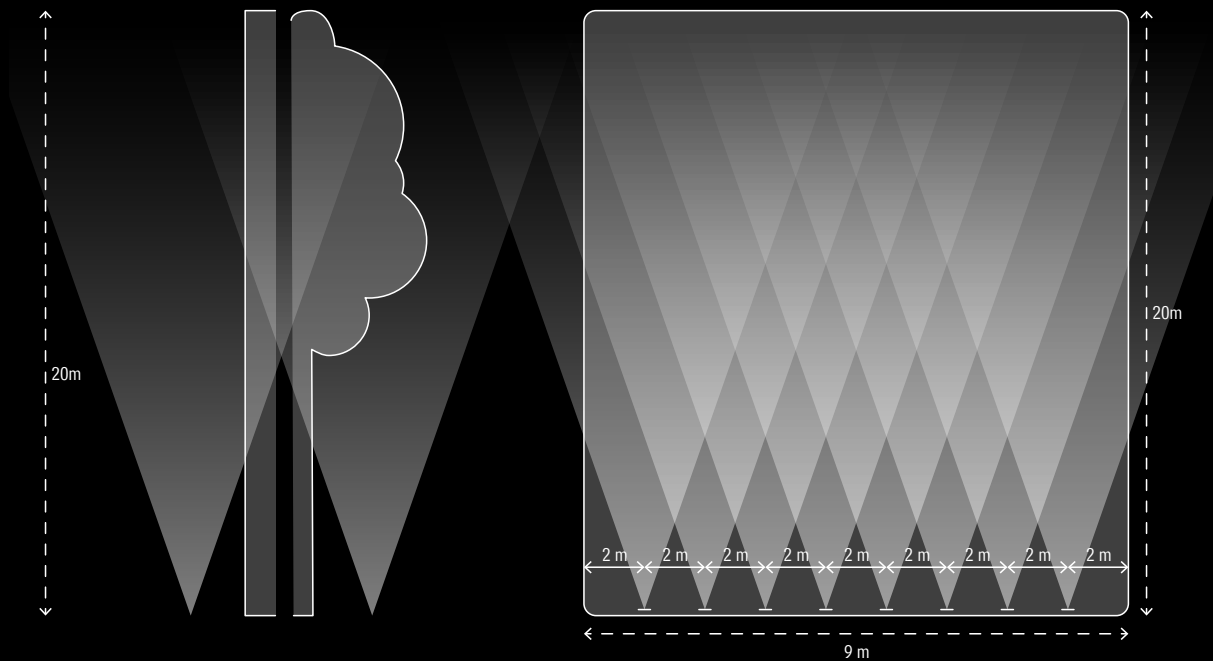
- (Mono) Integrated power supply unit
- (RGB-W) External controller (to be ordered separately)
- (Mono) Supplied with 0.5 m connected cable (H07RN-F)
- (RGB-W) Supplied with 5.0 m connected UW cable
- Innovative installation housing set made of stainless steel 304L (to be ordered separately)



## 4.0298

### Typical applications

For intensive illumination of large façades, the luminaires are arranged at a distance of around 2 metres and 1.5 metres from the wall. Objects such as monuments and trees are illuminated symmetrically from the ground up to a height of 20 metres. In public areas with public traffic, the use of anti-slip discs is recommended.



© Stavros Niarchos Foundation Cultural Center, Athen, Greece  
Lighting Design: ARUP  
Lighting Supplier: Foss SA  
Installer: Joint Venture Salini Impregilo TERNA  
Design Architect: Renzo Piano Building Workshop  
Photos: The Dark Room Photo Production Ltd

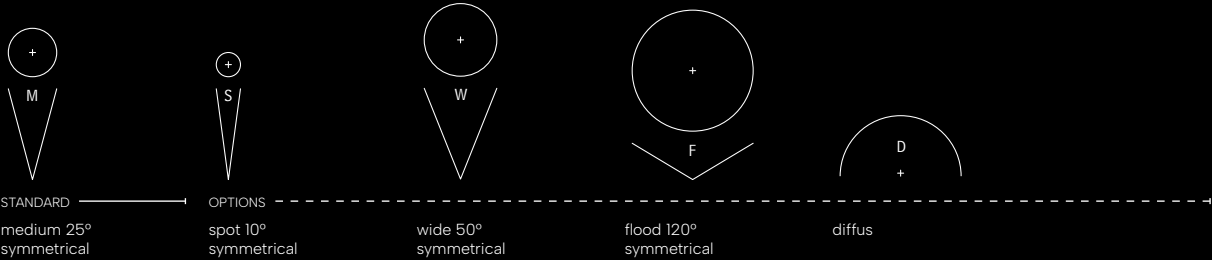


4.0298







Colour temperatures



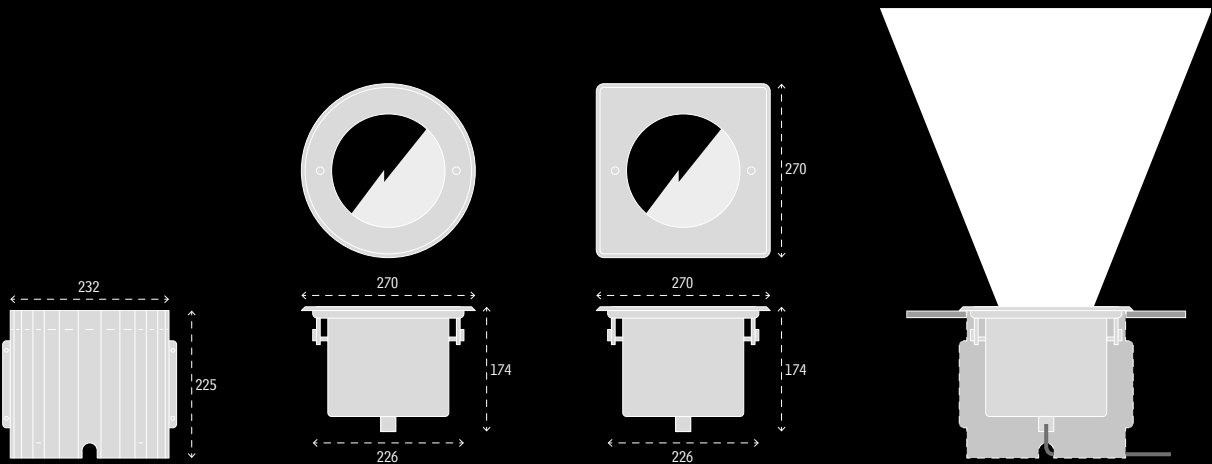
Beam angles



Additional parts

					
9.0298.00.20	9.0298.00.50	9.0298.00.51	50.40298.0004	9.0298.00.30	9.9012.00.01
Additional disc, frosted	anti-glare louvre	anti-glare louvre	Anti-skid coating	Interior cover, matt white	Junction box
für 4.0298, for softer light distribution (light loss approx. -8%)	for 4.0298   glare-free light at a distance from 1.50 m around the luminaire (360 degrees)   light loss 1 %   ideal for installation with all-round access to reduce glare for passers-by   internal, black	for 4.0298   glare-free light at a distance from 1.00 m in front and beside the luminaire (180 degrees)   light loss 4 %   ideal for installation in front of façades or similar to reduce glare for passers-by   internal, black	Highest anti-slip class R13	for 4.0298, as an alternative to the standard black cover	Set with 1 junction box   IP68   Encapsulation kit for HIRO series   Suitable for installation housing 4.0208/4.0298 and next to installation housing 4.0108   88 x 88 x 50 mm   Plastic
					9.9012.00.02
					Set with 2 junction boxes

Dimensions



# 4.0298



IP68 IP69	IK11	2.0t	STAINLESS STEEL V4A 1.4571 316Ti	2.700 K 3.000 K 4.500 K 6.500 K	230 V	RGB-W	CONSTANT CURRENT KONSTANT STROM	DALI 1-10 V OPTIONAL DIMM	CABLE INCL.	ta max 40°C	CAP STOP	↑ ↓	CE
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## Monochrome illumination

Cover	Article	Color	Lumen	Specifications	Control gear	Details
Round Cover	4.0298.2X.11	6.500K cold white	3750 lm	LED 8 POW-LED	Inclusive (230 V)	→ www
	4.0298.2X.12	3.000K warm white	3020 lm	Watt total 24 W		
	4.0298.2X.13	4.500K neutral white	3250 lm	Power 230 V		
	4.0298.2X.18	2.700K extra warm white	2980 lm	Beam 25° medium		
Square Cover	4.0298.4X.11	6.500K cold white	3750 lm	Cable H07RN-F, 5x1,0 qmm		
	4.0298.4X.12	3.000K warm white	3020 lm	Dimm DALI-2		
	4.0298.4X.13	4.500K neutral white	3250 lm			
	4.0298.4X.18	2.700K extra warm white	2980 lm			

**X → 0** = 20° swivelling factory-set / **1** = 20° swivelling on-site

## Dynamic illumination

Cover	Article	Color	Lumen	Specifications	Control gear	Details
Round Cover	4.0298.2X.41	RGB-CW cold white 6.500K	CW: 1160 lm	LED 8 Multichip POW-LED	5.0670.79.52 max 1	→ www
	4.0298.2X.42	RGB-WW warm white 3.000K	WW: 1000 lm	Watt all on 34 W		
	4.0298.2X.43	RGB-NW neutral white 4.500K	NW: 1080 lm	Power CC 700mA, max 15 V-DC		
	4.0298.2X.24	Amber	3020 lm	Beam 25° medium		
Square Cover	4.0298.4X.41	RGB-CW cold white 6.500K	CW: 1160 lm	Cable UW, 10x0,5 qmm		
	4.0298.4X.42	RGB-WW warm white 3.000K	WW: 1000 lm			
	4.0298.4X.43	RGB-NW neutral white 4.500K	NW: 1080 lm			
	4.0298.4X.24	Amber	3020 lm			

**X → 0** = 20° swivelling factory-set / **1** = 20° swivelling on-site

## Installation housings

4.0298.01.00	9.0208.00.10	95.40298.0001
Installation housing made of stainless steel 304L, for installation of HIRO series luminaires in loose or solid surfaces	Mounting kit optional for installation sleeve 4.0208 and 4.0298, consisting of 4 floor retaining clips, For fixing the installation housing to the ground	Protective cover optional for installation sleeve 4.0298, Material chipboard water resistant, for closing the installation housing during the construction phase

## Notes

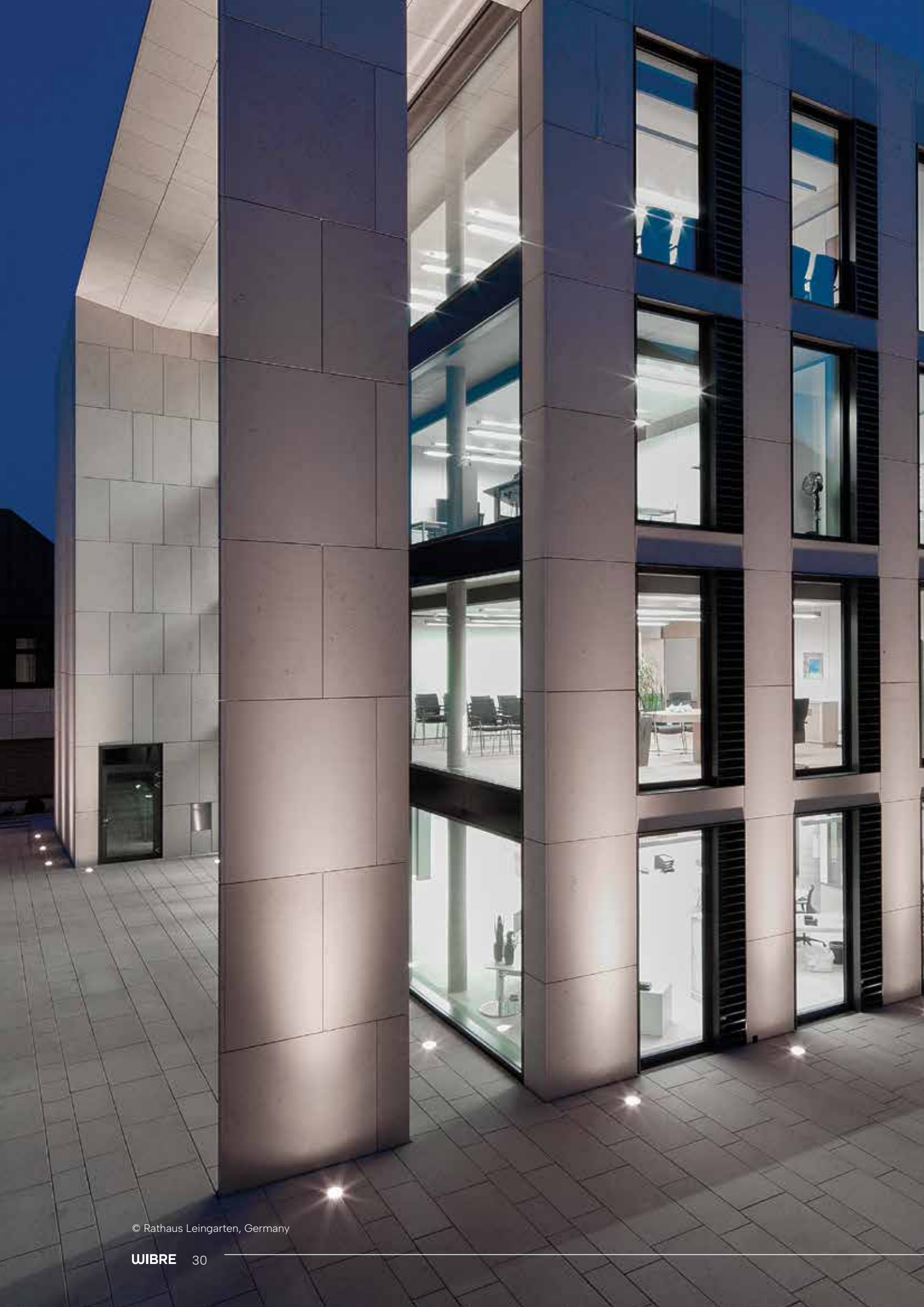
The connection of the luminaire must comply with protection class IP68

When installing the light, any national standards must be observed

The light source of this luminaire may only be replaced by the manufacturer or a service technician authorised by the manufacturer or a similarly qualified person

To avoid hazards, a damaged outer flexible cable of this light may only be replaced by the manufacturer, its service agent or a comparable specialist

The separately available mounting kit is recommended for adjacent compaction of the substrate (e.g. with a vibrating plate)







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# PIONEERS IN IP68-LIGHTING

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