



© 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)

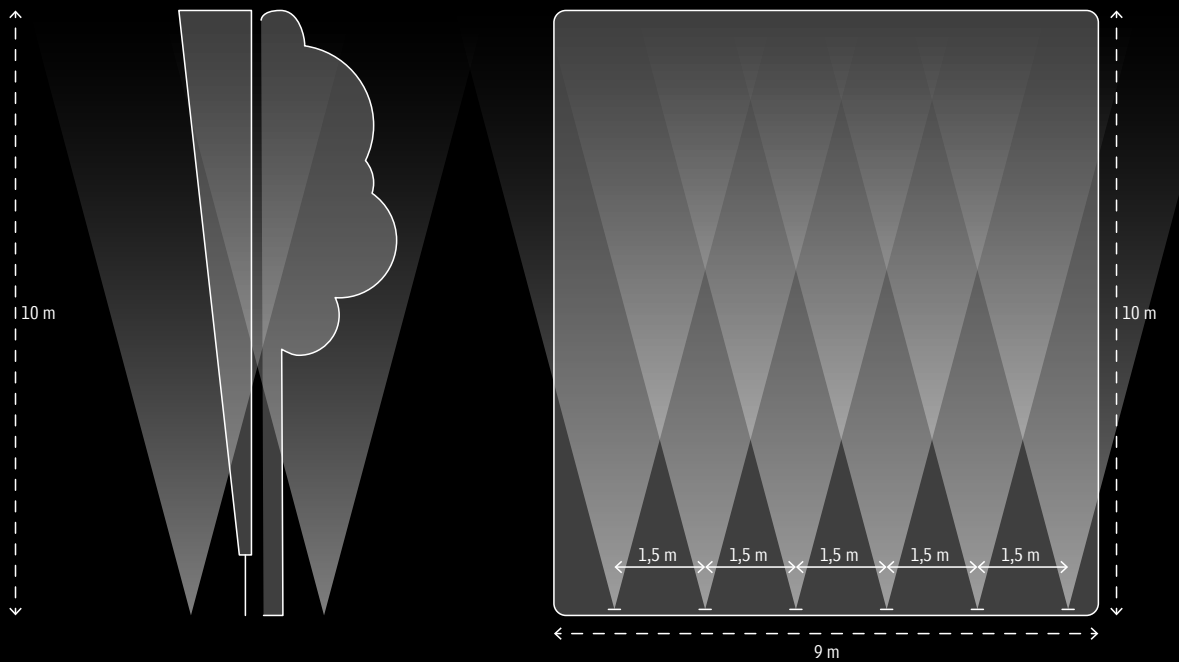
- POW-LED cold white, warm white, neutral white, extra warm white (230 V)
- Multichip POW-LED RGB-W or Amber (operating mode: constant current)
- Rotationally symmetric light distribution
- temperature controlled
- (Mono) DALI-2 dimmable
- LED unit can be swivelled plus 20° (factory-set or on site via 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

- (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)

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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.

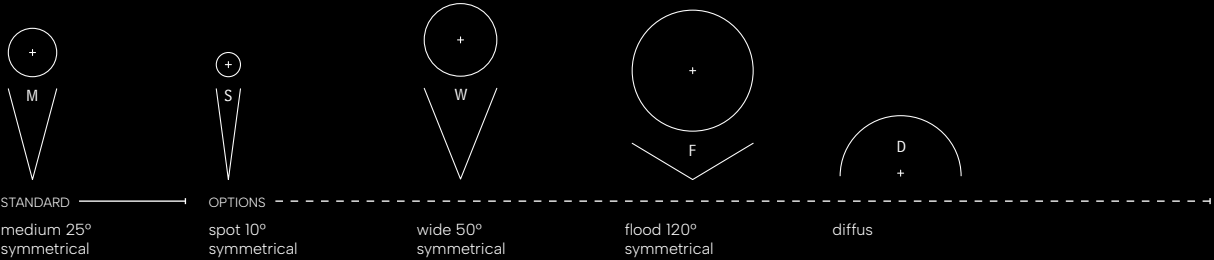


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
Colour temperatures



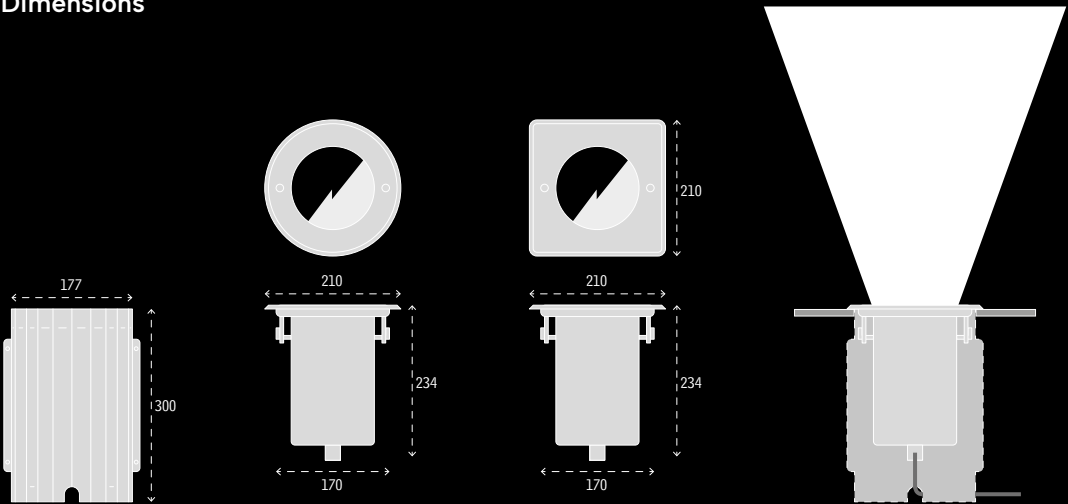
Beam angles



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



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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)	→ www
	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	→ www
	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)