



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)

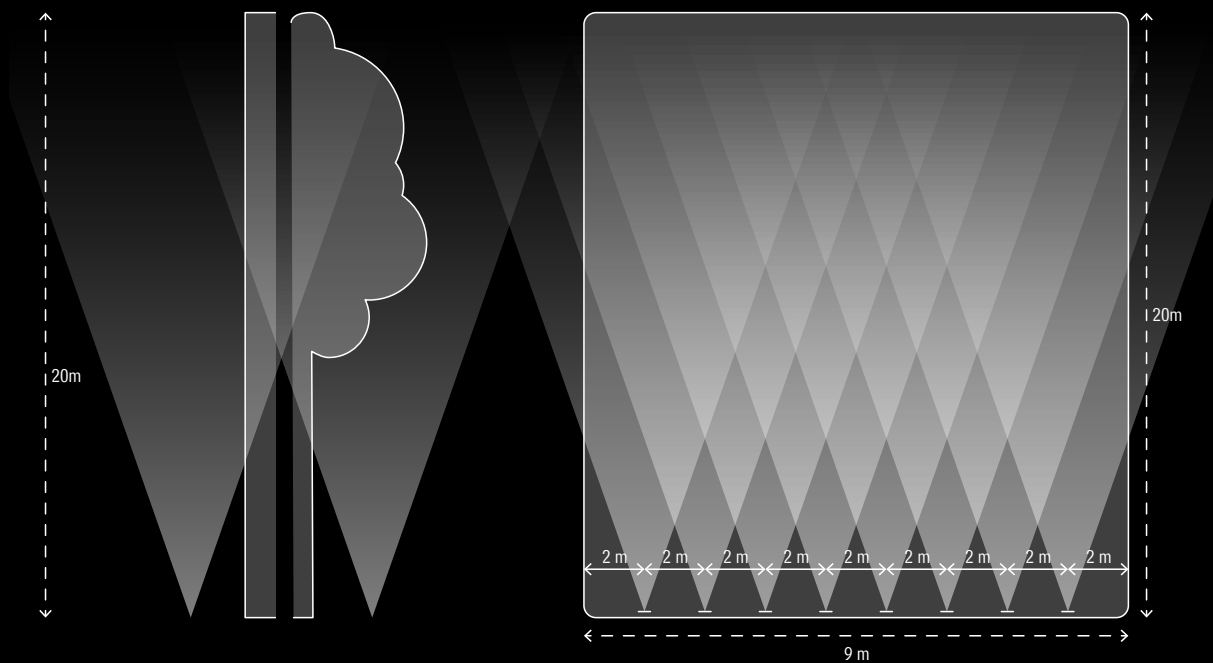
- POW-LED cold white, warm white, neutral white, extra warm white (230 V)
- Multichip POW-LED RGB-W or Amber (operating mode: constant current)
- Rotationally symmetric light distribution
- temperature controlled
- (Mono) DALI-2 dimmable
- LED unit can be swivelled plus 20° (factory-set or on site via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

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

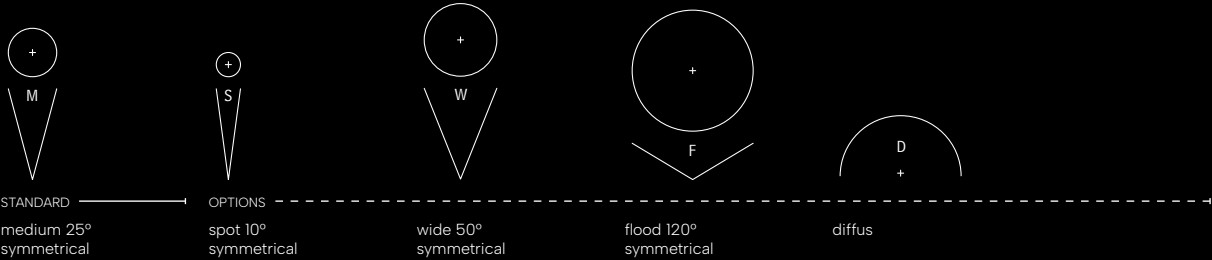


4.0298







Colour temperatures



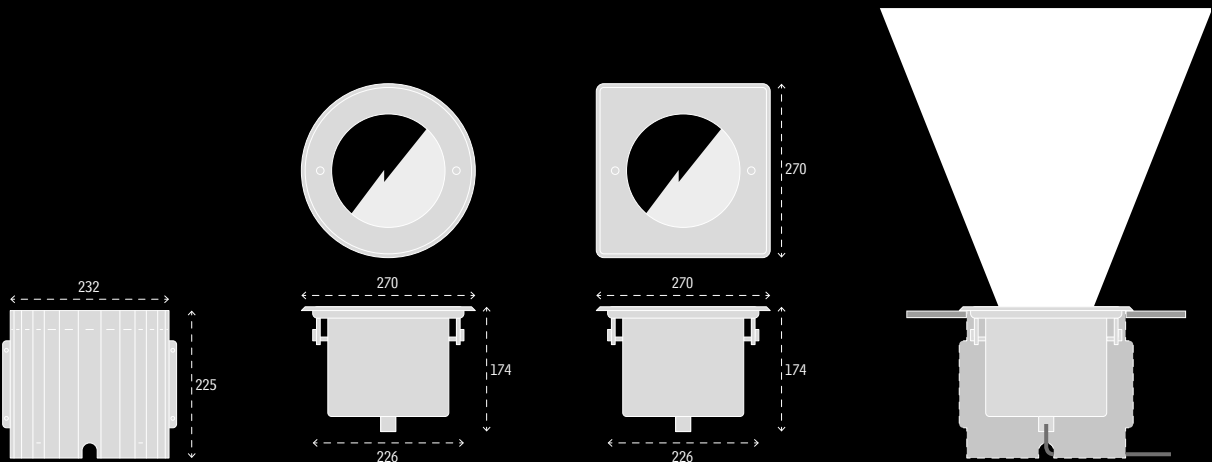
Beam angles



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
--------------	------	------	-------------------------------------------	------------------------------------------	-------	-------	------------------------------------------	------------------------------------	----------------	----------------	-------------	--------	----

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)