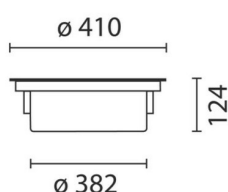
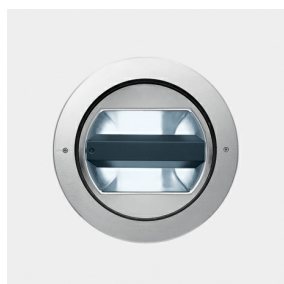


Last information update: May 2024

Product configuration: B021+1765

B021: Metal-halide/Sodium-vapour projector - 70W HIT-DE/HST-DE - symmetrical optic

**Product code**B021: Metal-halide/Sodium-vapour projector - 70W HIT-DE/HST-DE - symmetrical optic **Attention! Code no longer in production****Technical description**

Luminaire recessed into the ground with die-cast aluminium body and outer casing; stainless-steel frame and screws; anodised polished superpure aluminium reflector. It is designed to use metal-halide/sodium-vapour lamps with symmetrical optic. The outer casing for installation can be ordered separately from the optical assembly. Visual comfort is guaranteed by the a black steel antiglare screen. The optical assembly is closed at the top by a hardened sodium-lime glass (thickness 19 mm) with silicone gasket compressed by an AISI 304 stainless-steel frame. The optical assembly houses a hardened sodium-lime intermediate glass (thickness 4 mm). The lower section houses a decompression box for cascade wiring by 6-pole terminal block and double stainless-steel cable-clamp M24x1.5. This section is connected to the optical assembly through a nickel-plated brass cable clamp M15x1. This makes it easier to open the upper glass by eliminating negative pressure inside the optical assembly and the pump effect on the supply cable. The body-optical assembly is equipped with a locking system with two stainless-steel captive screws on which two extruded aluminium supports can slide. The locking system ensures positioning and anchoring of the optical assembly to the outer casing. The acrylic painting of the body-optical assembly and outer casing guarantees protection against UV rays and the external environment. The coupling of frame, glass, optical assembly and outer casing guarantees resistance to a static load of 5000 kg. Glass surface temperature does not exceed 95°C (HIT-DE) and 100° (HST-DE).

Installation

Recessed into the ground by means of an outer casing. The upper rim of the installed outer casing should protrude out of the pavement by 1mm MAX. The outer casing has an upper diameter of 385 mm, a lower diameter of 495 mm, and is 126 mm high.

Colour

Steel (13)

Mounting

ground recessed

Wiring

Control gear inside the body of the fitting.

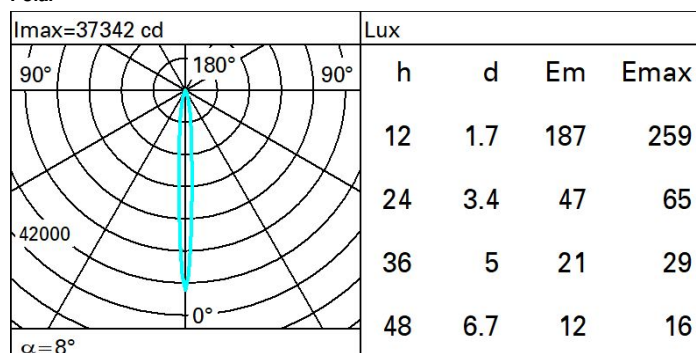
Notes

Available accessories: outer casing, coloured filters, suction cup and end cap for the outer casing. Version with antislip glass supplied upon request.

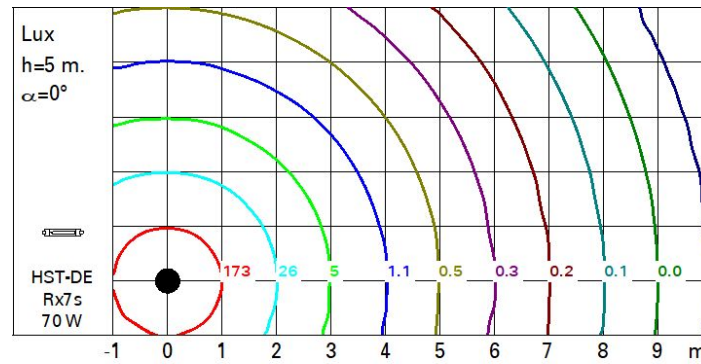
Complies with EN60598-1 and pertinent regulations

**Technical data**

lm system:	2228	CRI:	20
W system:	82	Colour temperature [K]:	2000
lm source:	7000	Voltage [Vin]:	230
W source:	70	Lamp code:	1765
Luminous efficiency (lm/W, real value):	27.2	Socket:	Rx7s
lm in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	0	ZVEI Code:	HST-DE
Light Output Ratio (L.O.R.) [%]:	32	Number of optical assemblies:	1
Beam angle [°]:	8°	Intervallo temperatura ambiente:	from -20°C to +35°C.

Polar

Isolux



UGR diagram

Corrected UGR values (at 7000 lm bare lamp luminous flux)											
Reflect.:		viewed crosswise					viewed endwise				
ceiling/cav		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
walls		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
work pl.		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Room dim		viewed crosswise					viewed endwise				
x	y										
2H	2H	-0.1	2.0	0.3	2.3	2.6	-0.1	2.0	0.3	2.3	2.6
	3H	-0.1	1.2	0.2	1.6	1.9	-0.0	1.3	0.3	1.6	2.0
	4H	-0.2	0.9	0.2	1.2	1.6	-0.1	1.0	0.3	1.3	1.6
	6H	-0.2	0.6	0.2	0.9	1.3	-0.1	0.7	0.2	1.0	1.3
	8H	-0.3	0.6	0.1	0.9	1.3	-0.2	0.7	0.2	1.0	1.4
	12H	-0.3	0.6	0.1	1.0	1.3	-0.3	0.7	0.1	1.0	1.4
4H	2H	-0.1	1.0	0.3	1.3	1.6	-0.2	0.9	0.2	1.2	1.6
	3H	-0.2	0.7	0.2	1.1	1.4	-0.2	0.7	0.2	1.1	1.4
	4H	-0.4	0.7	0.0	1.1	1.5	-0.4	0.7	0.0	1.1	1.5
	6H	-0.7	1.0	-0.2	1.5	1.9	-0.7	1.0	-0.2	1.4	1.9
	8H	-0.8	1.1	-0.3	1.5	2.0	-0.8	1.0	-0.3	1.5	2.0
	12H	-0.9	1.0	-0.4	1.5	2.0	-0.9	1.0	-0.4	1.5	2.0
8H	4H	-0.8	1.0	-0.3	1.5	2.0	-0.8	1.1	-0.3	1.5	2.0
	6H	-0.9	0.8	-0.4	1.3	1.8	-0.9	0.8	-0.4	1.3	1.8
	8H	-0.8	0.5	-0.3	1.0	1.5	-0.8	0.5	-0.3	1.0	1.5
	12H	-0.7	0.1	-0.2	0.6	1.2	-0.7	0.1	-0.2	0.6	1.2
12H	4H	-0.9	1.0	-0.4	1.5	2.0	-0.9	1.0	-0.4	1.5	2.0
	6H	-0.8	0.5	-0.3	1.0	1.5	-0.8	0.5	-0.3	1.0	1.5
	8H	-0.7	0.1	-0.2	0.6	1.2	-0.7	0.1	-0.2	0.6	1.2
Variations with the observer position at spacing:											
S =		1.0H	3.1	/ -2.4				3.1	/ -2.4		
		1.5H	5.4	/ -8.9				5.4	/ -8.9		
		2.0H	7.3	/ -10.8				7.3	/ -10.8		