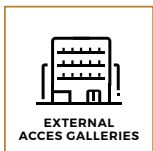
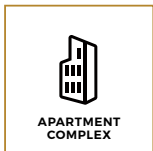
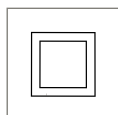
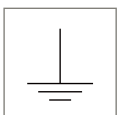
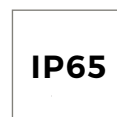


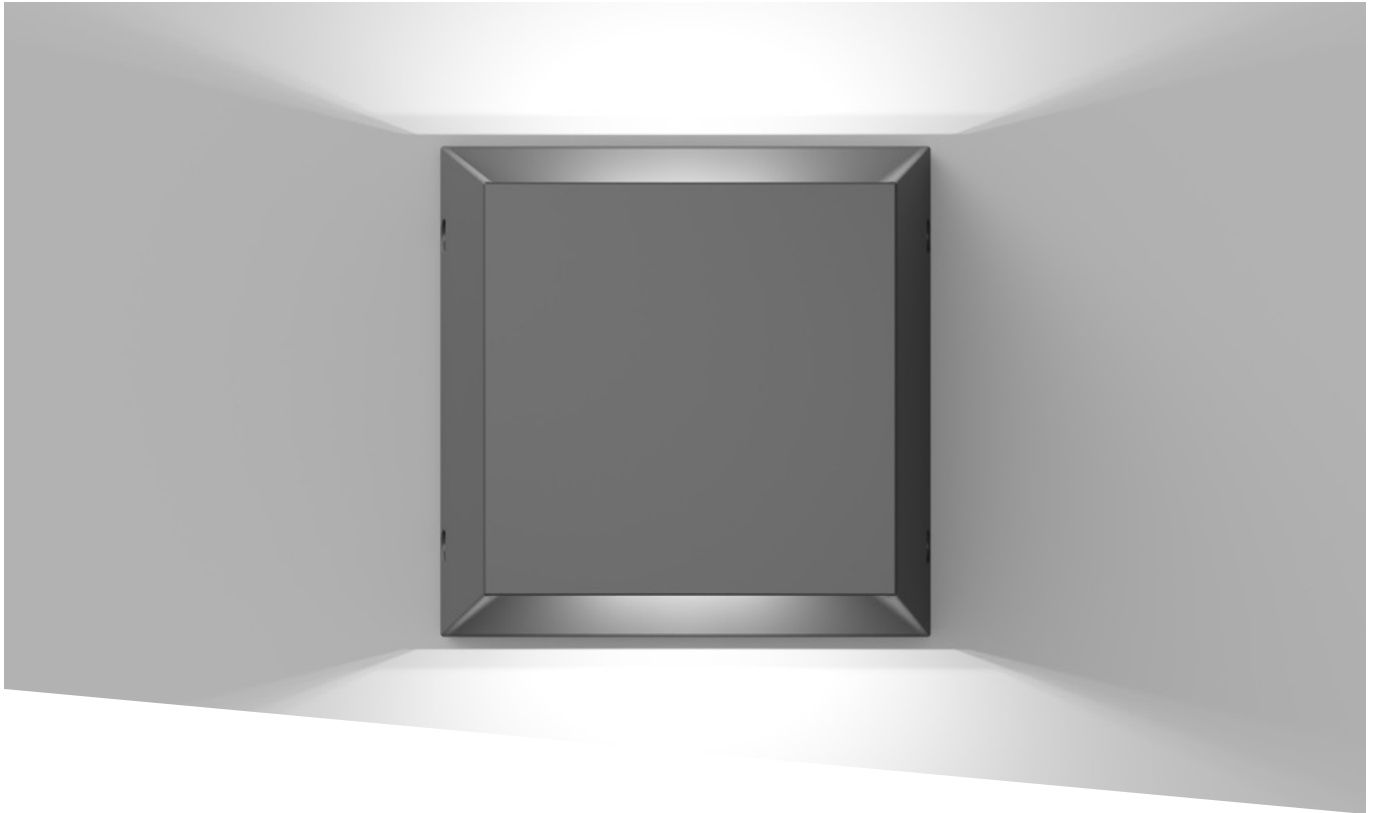
SYMM

HOGRO PLUS



SYMM is a high-quality up and downlighter from the HOGRO Plus luminaire range. The luminaire provides comfortable light and attractive façade accents. There are four light bundles: spot, area, galleries and opal. Partly thanks to the mounting plate, the luminaire is quick to install.





BENEFITS

- ▶ Decorative up/downlighter with aluminium housing
- ▶ Choice of downlighting or up and downlighting
- ▶ Offers lighting comfort and light control thanks to the four light bundles
- ▶ Quick to install thanks to the mounting plate
- ▶ Long lifespan with retention of lumens (L96/B10)
- ▶ Available in DB 703, RAL 9010 and RAL 9011

SMART LIGHTING

Twilight switch
(optional)



Want to speak to a specialist?
Click on / scan the QR code!

GENERAL INFORMATION		
Recommended installation	How is the SYMM / SYMM Plus mounted?	Wall mounting
Light management system	Which light management system is the luminaire suitable for?	DALI-2
CE Marking	Does the product comply with the legal requirements for safety, health and the environment (CE marking)?	Yes
ROHS certified	Does the product comply with the requirements as stated in the RoHS guidelines? RoHS stands for Restriction of Hazardous Substances.	Yes
HOUSING AND FINISH		
Housing material	From what material is the luminaire's housing made?	Aluminium
Light cover	From what material is the light cover made?	Polycarbonate UV stabilised: Clear Frosted Opal
Colours	In which RAL colours is the product available?	DB 703 (Anthracite Gray) RAL 9010 (White) RAL 9011 (Graphite black)
Dust and humidity tightness	Classification of resistance to dust and humidity?	IP65
Impact resistant	What is the impact resistance of the luminaire?	Housing: IK10 (IK10 = 20 Joules)
Cable access	Where is the cable access located?	Central rear mounting plate
OPERATING CONDITIONS		
Operating temperature range	What is the operating temperature range?	- 40 °C to + 35 °C Protected from high temperatures
Lifespan luminaire	What is the specified number of burning hours?	100,000 hours at 25 °C 25 years at 4,000 burning hours per year
Light intensity retention LED module	After the number of burning hours, the L(x) indicates the percentage of light retention and B(x) the percentage number of LEDs that have deteriorated by more than the specified percentage.	L96/B10
Failure classification luminaire	What is the maximum failure rate for the specified lifespan?	F10

ELECTRICAL INFORMATION

Insulation class	With which electrical safety class does the luminaire comply?	I II	
Rated voltage	What is the rated voltage?	230V AC	
Inrush current	How many luminaires can be run on an MCB 16A B-type fuse?	SYMM Not dimmable	Number 40 max.
Surge	To what level is the luminaire protected from surge as standard?	2 kV	
Optional Sensor	Is there an optional presence detector?	Easy Light	
Control protocols	With which control protocols is the luminaire compatible?	Twilight switch	

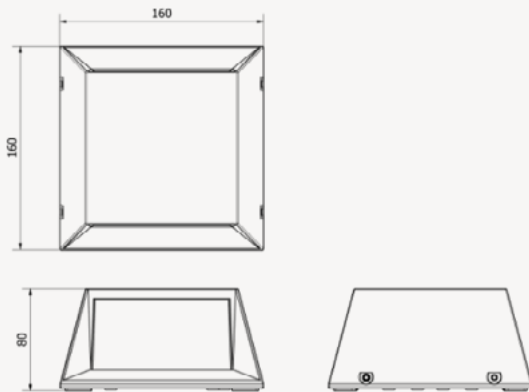
OPTICAL INFORMATION

Lumen range (LED board)	Various LED boards and with lumen range? Lumen in area dependent on optics. Power and lumen per colour/CRI in annex)	Lumen range SYMM: 280 - 1,120 Lumen
LED colour temperature	With which colour temperatures is the luminaire available?	3,000K (warm white) 4,000K (cool white)
Colour rendering index (CRI)	To what extent does the light source faithfully reproduce the colours of the objects (scale 0-100)?	70
Upper Light Output Ratio (ULOR)	Which percentage of the light distribution from the luminaire shines upwards (above the horizontal line of the luminaire)?	<3 depending on the model
LED module	With which light technology is the luminaire available?	LED2WELL Core 16
Optics	Which light bundles are possible? (Polar diagram in annex)	4 light bundles (clear and frosted) Spot Area Gallery Opal

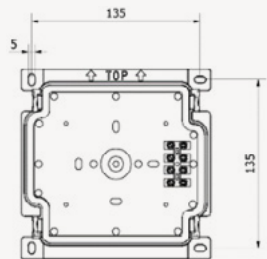
DIMENSIONS SYMM



Protective cover SYMM (dimensions in mm)



Mounting plate SYMM (dimensions in mm)



DIMENSIONS AND MOUNTING SYMM

L x W x H in mm	160 x 160 x 80 mm
Weight in kg (basic model)	+/- 1.2 kg
Mounting options	Wall mounting with pre-installable mounting plate

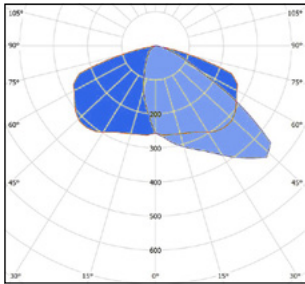


Luminaires in the Easy Light range can be programmed for various luminous flux. They can be also equipped, as an option, with a twilight switch so that the luminaire automatically responds to light and darkness. The sensitivity of the sensor can be set with DIP switches.

SYMM lighting solutions

SYMM	Lumen	CRI > 70	
		STANDARD 3000K System- capacity (W)	STANDARD 4000K System- capacity (W)
Up or Down	280	2.5	2.5
	440	3.5	3.5
	560	4.3	4.3
Up and Down	560	4.0	4.0
	880	5.9	5.9
	1120	7.4	7.4

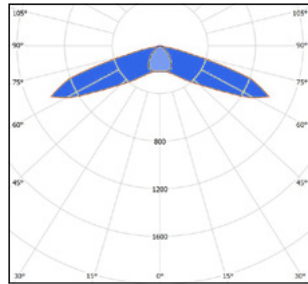
SYMM



AREA

Up or Downlighting

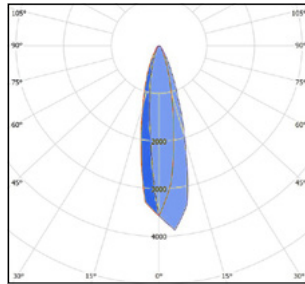
SYMM



GALLERY

Up or Downlighting

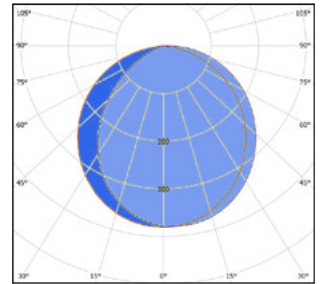
SYMM



SPOT

Up or Downlighting

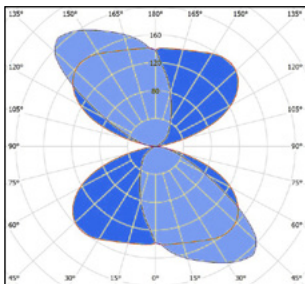
SYMM



OPAL

Up or Downlighting

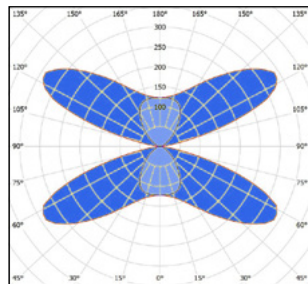
SYMM



AREA

Up and Downlighting

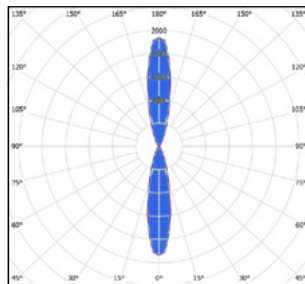
SYMM



GALLERY

Up and Downlighting

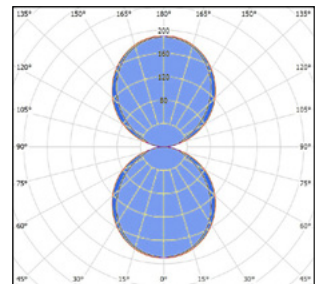
SYMM



SPOT

Up and Downlighting

SYMM



OPAL

Up and Downlighting