

HT Cover Smart



The ceiling and wall mounted HT Cover Smart offers the possibility of circadian lighting for intensive care and patient rooms. This daylight-based lighting supports the patient's natural sleep-wake rhythm, reducing the risk of delirium and increasing the quality of stay for patients and staff. The optimized design and high luminosity increase the biological effect on the patient. During the night, discreet ambient light in a freely adjustable color provides immediate orientation for entering staff without disturbing the patient's sleep. A 7" touch display

with an intuitive user interface allows the staff to activate a lighting scene optimised for the use case or the automatic sequence. Divided into partial elements, this luminous ceiling with its extremely low construction depth of only 40 mm can also be easily retrofitted in existing buildings. Our modular system offers high flexibility with the elements "Smart 100" "Smart 200" and "Smart Bogen". The position and number of the individual elements is variable to allow, for example, the installation of a ceiling supply unit between the elements.

Construction

Frame light housing	aluminium profiles RAL 9016		
Front	translucent covering (polyester) wipeable, replaceable		
Dimensions standard elements (B x L x T)	Smart 100	Smart 200	Smart Arc
	1145 x 875 x 40 mm	1145 x 1955 x 40 mm	1145 x 450 x 540 x 40 mm
extendable in width and length in a grid of 270 mm			

Electrical connections

	Smart 100	Smart 200	Smart Arc
Voltage	230 VAC	230 VAC	230 VAC
Frequency	50 Hz	50 Hz	50 Hz
Power consumption	170 W	380 W	204 W

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Lighting values (The values apply to a luminous ceiling consisting of the three elements Smart 100, Smart 200, Smart Arc)

CCT temperature (100% warm white)	2700 K
CCT temperature (100% cold white)	6500 K
Light output (100% warm white)	120 lm/W (inside the covering)
Light output (100% cold white)	148 lm/W (inside the covering)
Luminance	2500 cd/m ²
Illuminance	2300 lx (2.0 m below light ceiling, corresponds approximately to bed height)
Light scene	light scenes parameterized and measured on site according to the required values in DIN 12464

Heating values

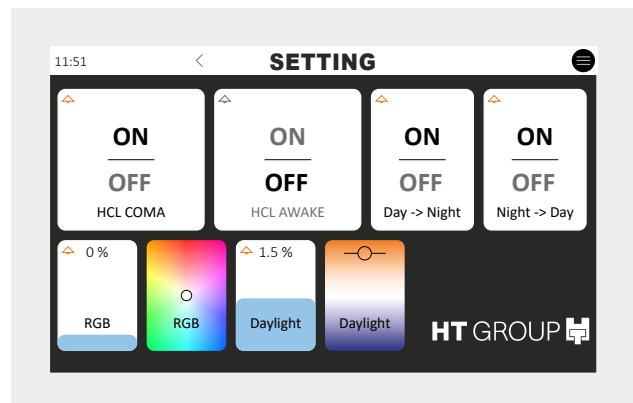
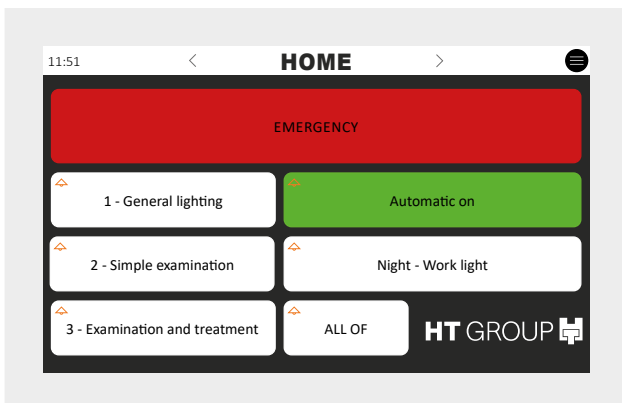
	Smart 100	Smart 200	Smart Arc
Heat transfer of the room (maximum values)	116 W	260 W	140 W

Control

Power supply	box 550 x 550 x 80 mm
Distance power supply - light ceiling	max. 5 m
Operation	touch-display 7"

Delivery

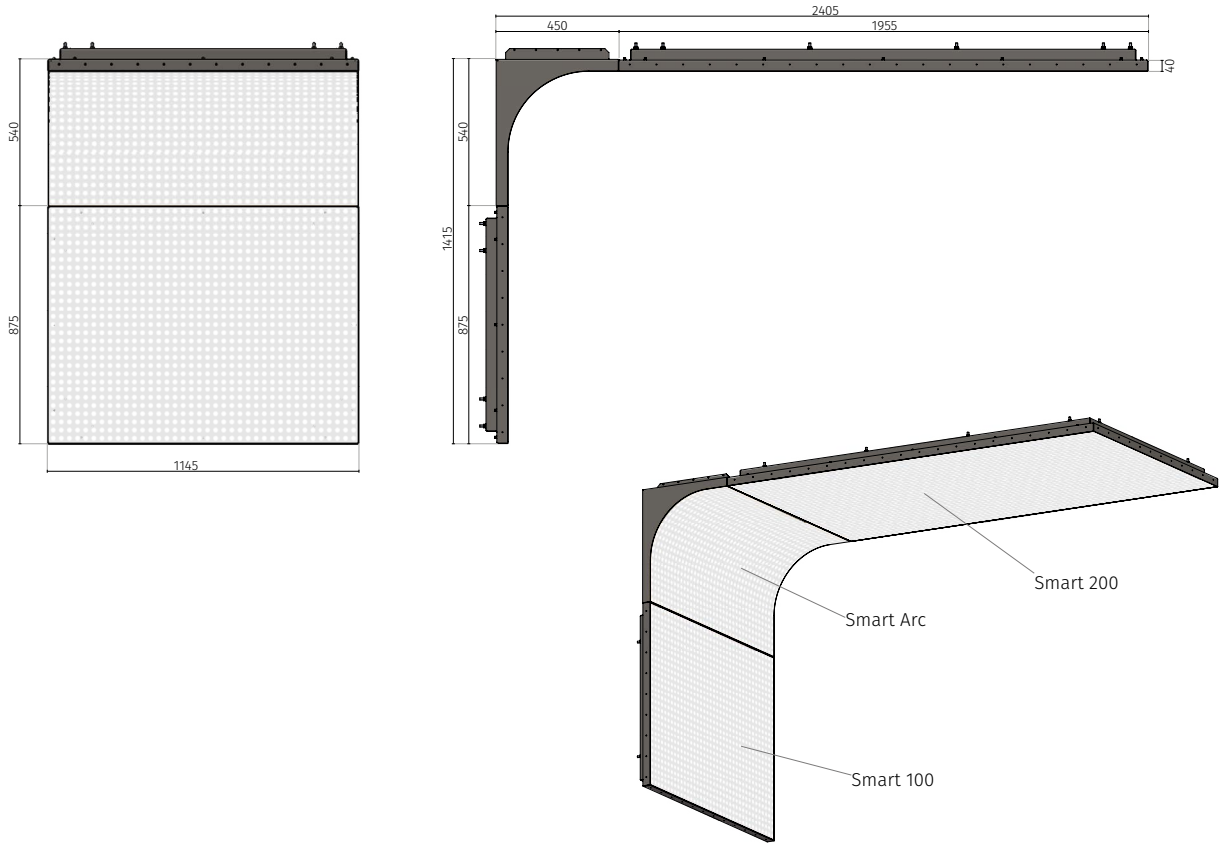
Light ceiling
Power supply
Operating unit
Cable, pre-assembled and labeled



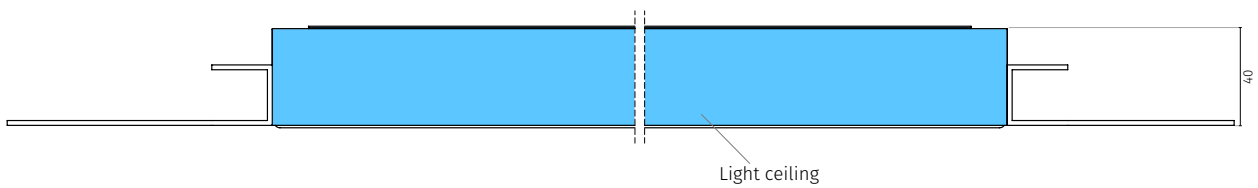
Operation via touch display

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Dimensions light ceiling



Installation situation - ceiling integrated



Installation situation - placed on ceiling

