



HE-ST-20-3500-210 / HE-ST-20-5000-210 LED- Retrofit

Optional with optics for mushroom/bell-shaped luminaires

As a version of our proven HE-ST-20, we have developed this lamp specially for use in mushroom and bell-shaped luminaires. The LED circuit board is designed in such a way that the lamp no longer emits its light over the entire circumference of 360°, but only over 210°. When mounted vertically, this asymmetric beam characteristic is eminently suited for park and path illumination, e.g. in residential streets, without shining into gardens or adjacent houses.



This lamp, which has been developed in-house and is manufactured at our production plant near Hamburg, allows for direct entry into LED technology with minimal investment. As the original luminaires are retained, laborious and costly replanning of lighting according to standards is also avoided.

The patented design allows 108 mid-power LEDs to be fitted, which drastically reduces the glare and prevents rapid ageing of the lamp as a result of overheating. Our lamps have successfully been used for years, from the North Sea coast in Germany right up to the hot metropolises in the south of Europe.

Thanks to the Helecta-typical modular design, our retrofit is maintainable, which means repair or partial replacement is possible at any time.

This LED lamp enables a reduction of up to 75% and more in energy demand, CO2 emissions and maintenance costs associated with the illumination of public roads and squares – all without cost-intensive complete retrofitting.

Our HE-ST-30 is available in cold white (5000K) and in warm white (3500K) as a standard. Other light colours are also available on request.

Optical parameters

Light colour	Cold white (5000K)	Warm white (3500K)
Total flux	2700 lumens	2450 lumens

Electrical parameters:

LED	108x 5050 SMD LEDs
Voltage supply	90-260V, 50-60Hz
Connected load	20 watts

Additional parameters:

Temp. range/humidity	-30°C ~ 40°C/10%-85%
Storage	-30°C ~ 60°C
Dimensions	Ø102xH160mm
Colour reproduction index	Ra 80
Material	Aluminium, ABS GFRP
Net weight	0.27 kg
Protection class lamps	IP20
Protection class power supply	IP 67
Protection class	II
Surge protection	3 kV
Base	E27 / E40
L70 (according to TM-21):	> 54,000 hours
Declarations	CE, RoHS

Errors and modifications excepted

You can also lease our lamps. Further information available at www.helecta.com

Helecta GmbH
Bremer Str. 17A
D-21255 Tostedt
Tel.: +49 (0) 4182 2202116, Fax: +49 (0) 4182 2202118