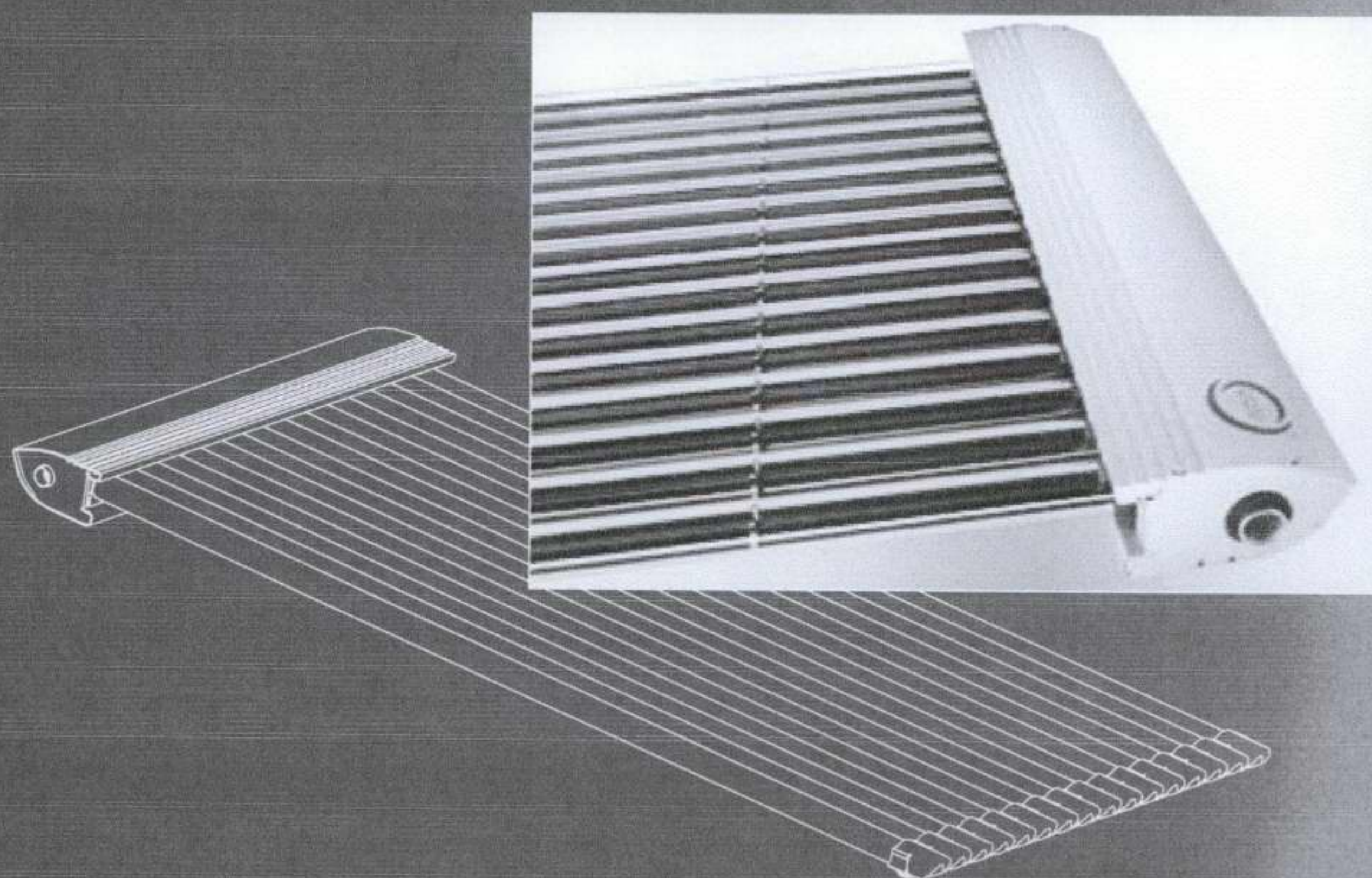




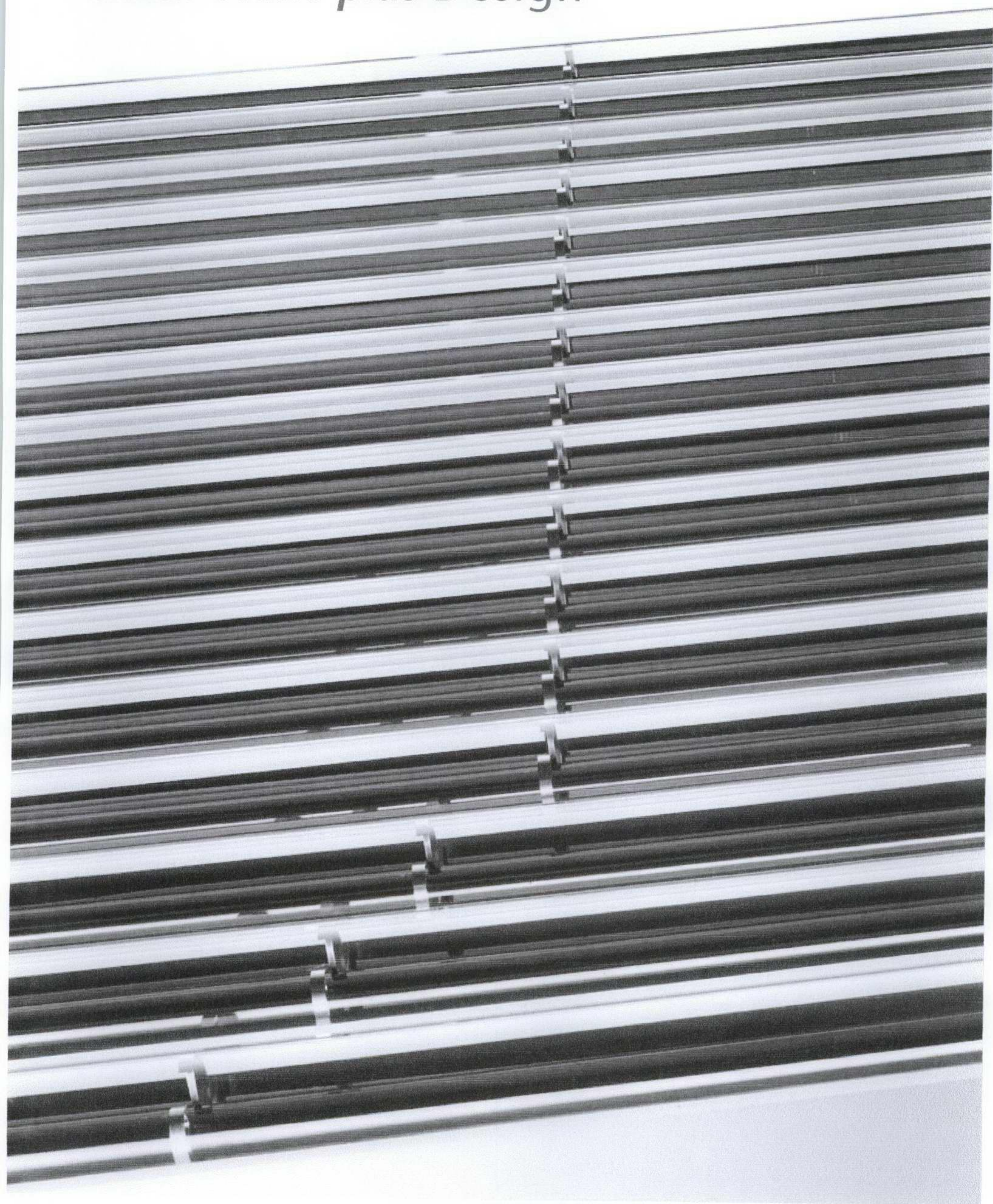
SCHOTT Evacuated Tube Collector ETC 16


With SCHOTT ICR® Collector Tube and Aluxid® Absorber



SCHOTT
glass made of ideas

Solar Heat *plus* Design





The ETC 16 Evacuated Tube Collector

The SCHOTT ICR® Collector Tube with its innovative connection to the manifold make for a vacuum tube collector with numerous benefits.

Highly efficient: high performance on a small scale

Durable: simple glass-to-glass joint as with a thermos flask;
provides a lifelong vacuum with highest insulation

Constant: the vacuum protects the absorber and mirror films
from environmental influences and thus from degradation,
ensuring constant efficiency

Flexible: modular design which can be adapted to fit
the available roof space

Highly aesthetic: elegant design due to small tube
diameters and optimized spacing between tubes

Easy to fit: only 20 kg in weight;
compact and easy to handle;
pre-assembled, ready for installation



approved quality
SPF  not number
C589
by order of Swiss Federal Office of Energy

CE 0036

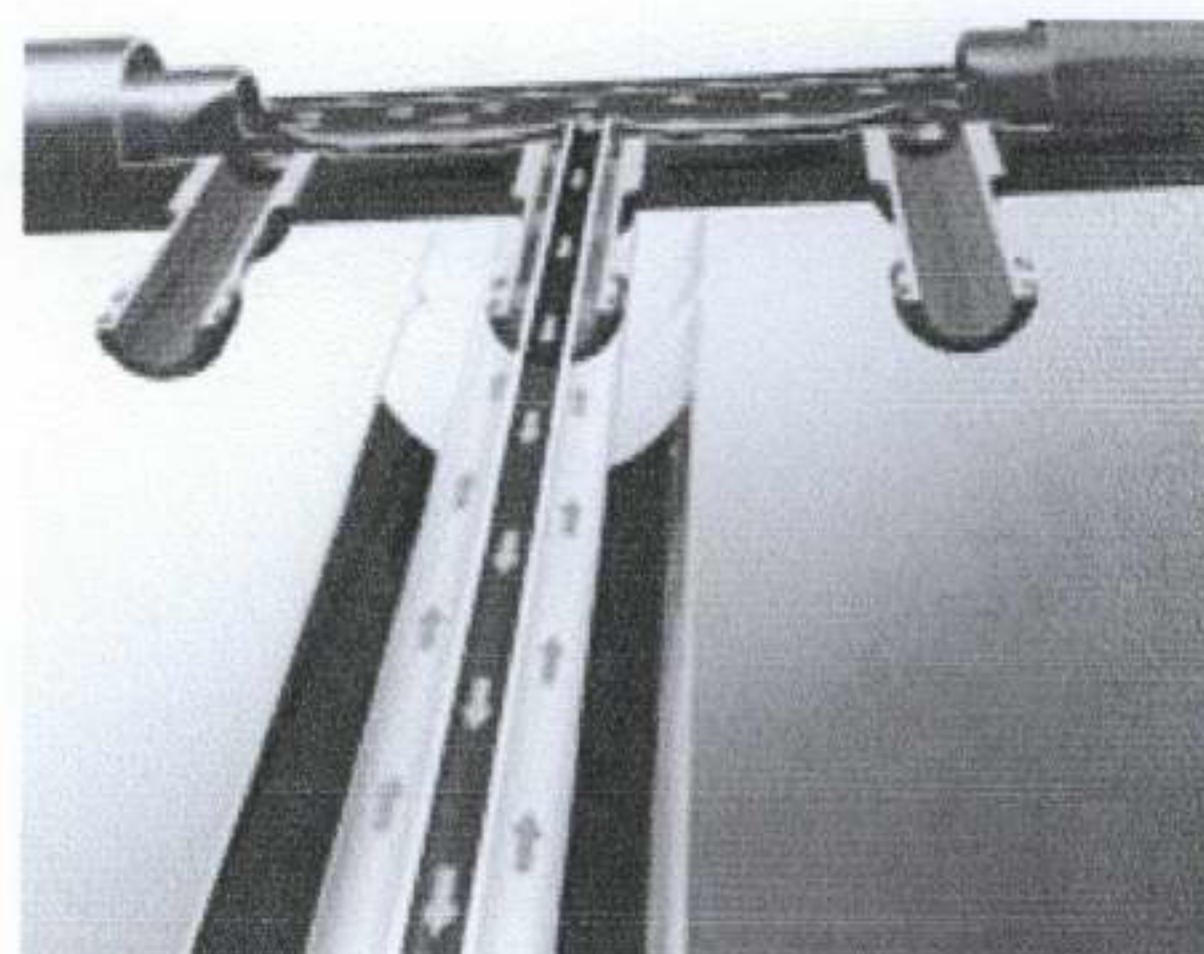


"powered by SCHOTT" labels
products for solar thermal
which have been devel-
oped and manufactured
according to the high
quality standards set
by SCHOTT. This
stamp of quality is
also used by our
sales partners.

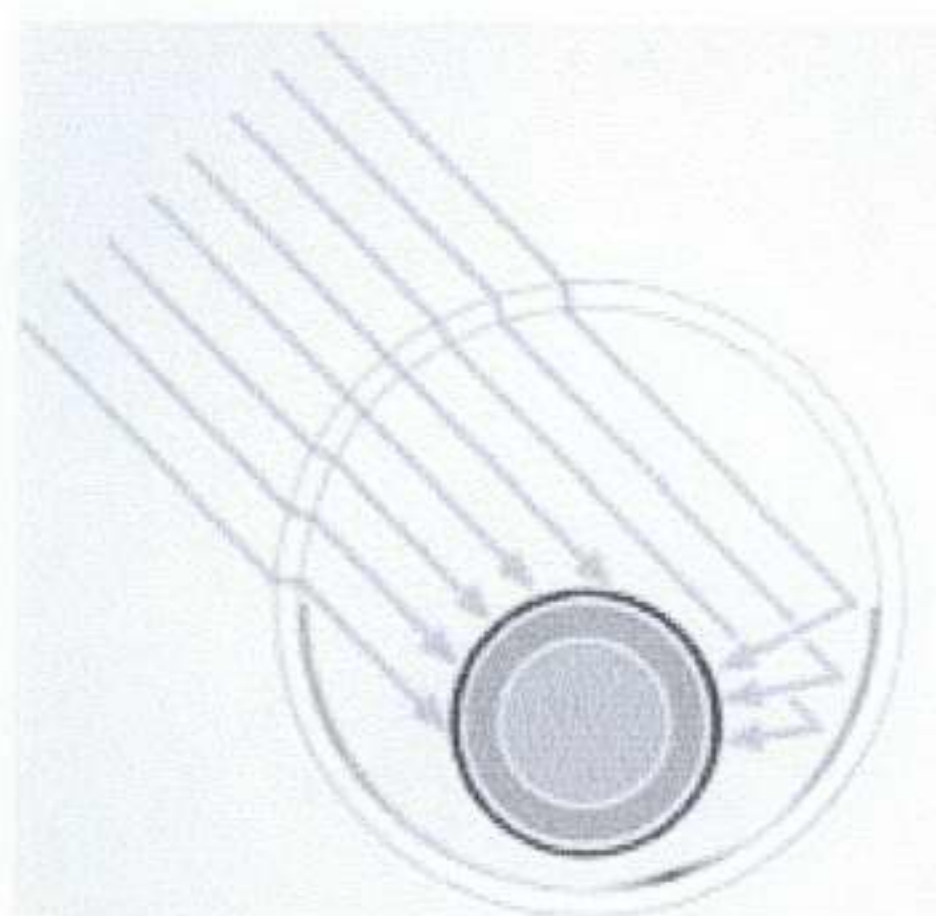


Technical Data

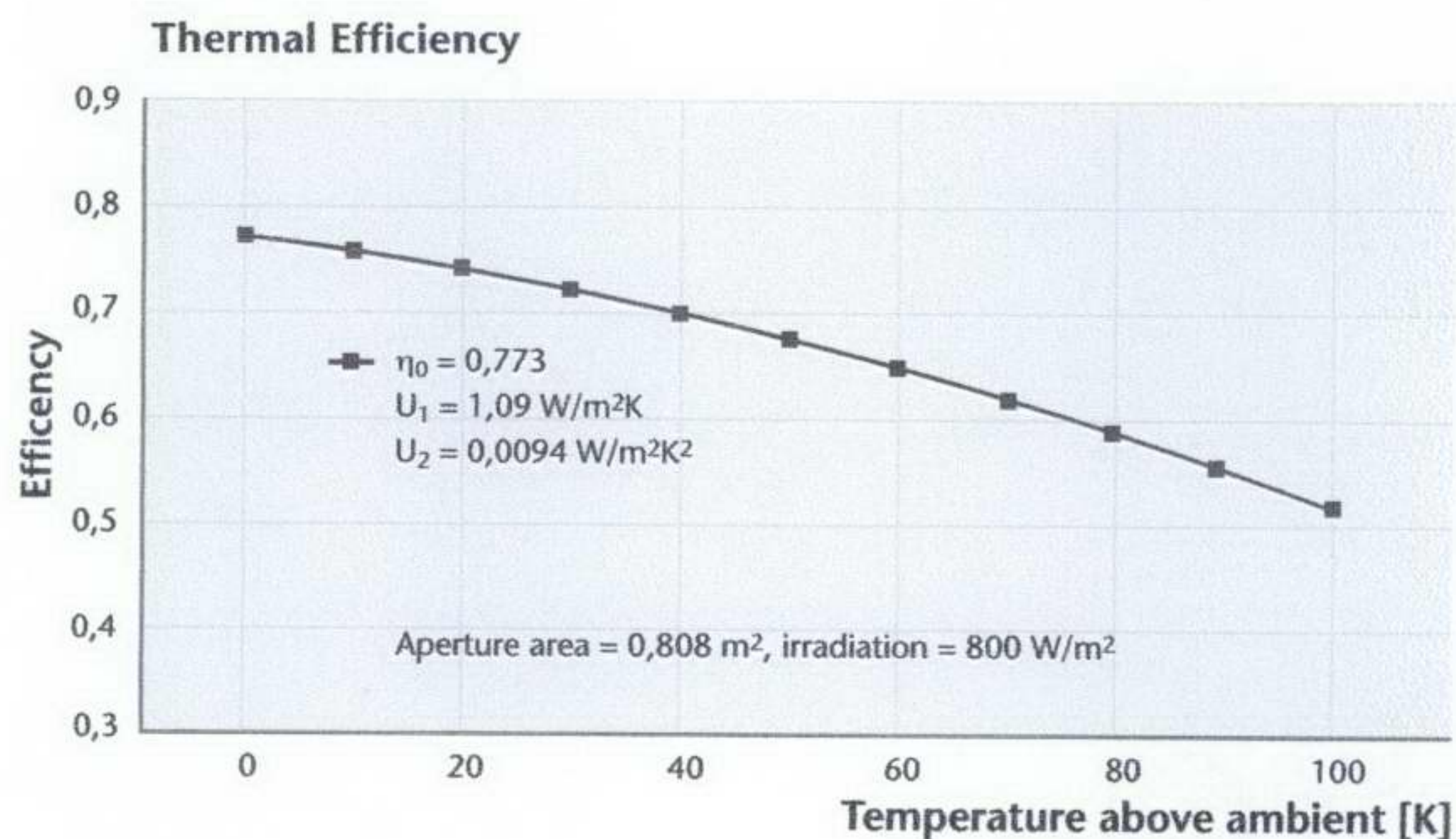
| | |
|--|-----------------------------------|
| Dimensions* | 1684 x 765 x 100 mm |
| Aperture area* | 0.808 m ² |
| Gross area* | 1.29 m ² |
| Weight* | 20 kg |
| Maximum operating pressure* | 6 bar |
| Heat transfer fluid | Tyfocor HTL/G-LS |
| Filling volume* | 3.5 l |
| Yearly energy yield for a system with 4 collectors for hot water production (3,2 m ² , ITW-conditions, location Würzburg) | |
| | 730 kWh/m ² |
| Efficiency and reliability | DIN / EN 12975-2 |
| Hail resistance | certificate acc. DIN / EN 12975-2 |
| | by TÜV Rheinland |
| CE mark according to 97/23/EG | TÜV approved |
| Blue Angel | applied to RAL UZ 73 |
| *All data per collector. | |



Detail: heat removal inside the collector



Cross-section through a SCHOTT ICR® Collector Tube showing the thin-film mirror and ALUXID® absorber coating in a high-vacuum insulation



Model



14 collectors for solar water heating and solar heating support for a multi-family apartment building.

SCHOTT is a global leader in the field of solar energy. The international technology company provides components for all areas of application in photovoltaics (PV) and solar thermal.

PV modules manufactured by SCHOTT Solar GmbH are used for electricity generation. Receivers are the key components of solar parabolic trough power plants, a future technology for generating power from the earth's sunbelt. Highly-efficient evacuated tube collectors provide solar thermal energy for heating water, additional space heating and air conditioning.

SCHOTT has supplied glass tubes for solar thermal applications for over 15 years. The innovative SCHOTT evacuated tube collectors are manufactured in highly-automated volume production processes.

SCHOTT-Rohrglas GmbH

Solar Thermal

Erich-Schott-Strasse 14

95666 Mitterteich

Germany

Phone +49(0)96 33/80-291

Fax +49(0)96 33/80-757

info.solarthermal@schott.com

www.schott.com/solar

www.schott.com/solarthermal

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