

VANE^{LED}

Efficient lighting for the future.



innovative lighting technology

Stührenberg[®]

Advanced LED technology
toolless opening



Publication data

PUBLISHER

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PHOTOGRAPHS

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CONCEPT

flowconcept
Agentur für Kommunikation GmbH
Detmold

- Energy savings of up to 90%
- Optimum luminous efficacy
- Virtually no CO₂ emissions
- Service life > 60,000 hours
- Low investment costs
- Low maintenance effort
- Modern, unobtrusive design



Quality made by Stührenberg



LED technology is revolutionizing the world of lighting. With a distinctly longer service life, considerably lower energy consumption, lower CO₂ emissions and perfect light control, the technology is ideal for saving money. Due to its high efficiency and optimum luminous efficacy, savings of up to 90% can be achieved with our **VIATEC**.

What's more, the high-grade materials and durability of **VIATEC LED** technology also reduce the maintenance effort, thus yielding further savings. Their functionality and low electricity consumption make the **VIATEC LED** lamps cost-efficient and representative. With our competence and experience, we can offer our customers an intelligent, modern and extremely energy-efficient lighting system.



high cost-efficiency, low CO₂ emissions, low investment costs, easy installation, low main

LED street lighting

Traffic thoroughfares, residential roads and pedestrian precincts

The most important aspects to be considered when converting conventional street lighting to modern LED technology in the communal sector are cost-effective energy potentials, environmental compatibility and high product quality.

The pioneering technology of **VIATEC LED** combines all the advantages of a highly efficient lighting solution: it offers maximum light output while reducing energy consumption by up to 90%.

Low CO₂ emissions sustainably help to protect the environment. The technically sophisticated **VIATEC LED** guarantees a long service life and low operating costs, as well as high cost-efficiency. It ensures that public roads of every kind, hazard areas and pedestrian precincts are illuminated in conformity with the standards.



tenance effort, maximum light output, long service life, timeless design, high cost-efficiency

LED industrial lighting

Buildings, company sites, industrial plants and industrial estates

Facades, industrial buildings and outdoor areas can be effectively presented with **VIATEC LED** light. The high luminous efficacy creates highlights in the outdoor arena and simultaneously reduces risks. A variable assembly bracket for the mast-top or side-mounted lamps with LED technology ensures that the lighting can be optimally angled so that even the darkest corners are flooded with light.

The brightness of the LED lamp can be individually adjusted. The light colour may be warm white, neutral white or cold white. High-grade materials, such as cast aluminium and stainless steel with polycarbonate enclosure, ensure durable outdoor use. In addition, the **VIATEC LED** also stands out through its exceedingly quick and simple installation.



timeless design, low CO₂ emissions, low investment costs, easy installation, low maintenance

LED in public spaces

Pathways, car parks and public gardens for perfect lighting

The right light makes for security, protection and a pleasant atmosphere in outdoor areas used by the public. **VIATEC LED** is superior to all conventional systems here, particularly in terms of efficiency, service life and cost-effectiveness.

Changing over to LED technology from Stührenberg not only saves energy and protects the environment, but is also significantly more cost-efficient in the long term on account of the system's enormous

service life and low maintenance effort.

At the same time, **VIATEC LED** is distinguished by its elegant, timeless design. And its functionality is also top: intelligent control and optimized motion detection allow individual or neighbouring lamps to be activated for a variable period of time. Additional wiring is not required for communication between the light fixtures.

Variable functionality

for perfect lighting

STB



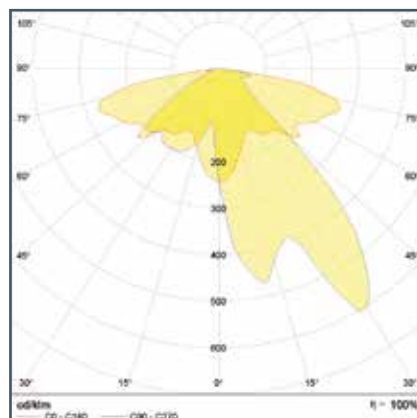
STG



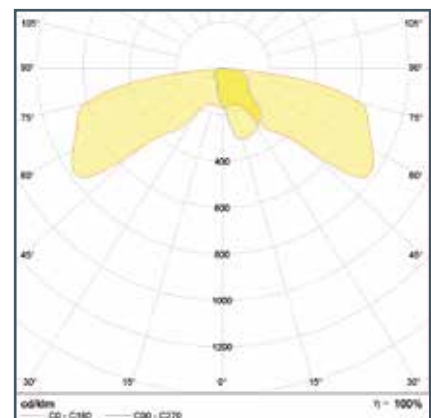
Housing	Cast aluminium, powder-coated	Cast aluminium, powder-coated
Colour	Anthracite Other colours on request	Anthracite Other colours on request
Colour rendering properties (RA)	> 75	> 75
Service temperature	-30 °C to +50 °C	-30 °C to +50 °C
Operating voltage	230 V AC 50 Hz +10 %/-15 %	230 V AC 50 Hz +10 %/-15 %
Effective luminous flux	up to 5.900 lm	up to 7.100 lm
Power factor	typ. 0.95 at rated output	typ. 0.95 at rated output
System output	variable up to 75 W	variable up to 90 W
Overnight set-back	via control input (live phase)	via control input (live phase)
Type of protection	IP 65	IP 65
Protection class	SK I as per EN 60958 SK II as per EN 60958 (VDE/ENEC)	SK I as per EN 60958 SK II as per EN 60958
Installation	<ul style="list-style-type: none"> • Mast-top/side mounting • Inserted length 120 mm • Angle adjustable from 0 to 90° (in 7.5° increments) • toolless opening 	<ul style="list-style-type: none"> • Mast-top/side mounting • Inserted length 120 mm • Angle adjustable from 0 to 90° (in 7.5° increments) • toolless opening
Weight	approx. 10 kg	approx. 13 kg
Options	Motion detection Monitoring and dimming functions	Monitoring and dimming functions
Dimensions	approx. 610 x 385 x 110 mm (L x W x H)	approx. 705 x 460 x 120 mm (L x W x H)
Accessories	Mast adapter ø 60 mm/ø 42 mm optionally available	Mast adapter ø 60 mm/ø 42 mm optionally available

Intensity distribution curve of VIATEC LED

Photometric measurements have confirmed the top values achieved by VIATEC LED. Models STB and STG are characterized by precise light control and uniform distribution of the light.



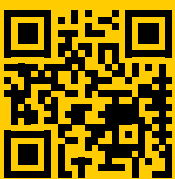
VIATEC with lens type 2



VIATEC with lens type 3

(Light measurement undertaken by Dial GmbH, Lüdenscheid, 09.03.2012)

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