

Bluelight lining Ltd

Paired to Perfection with a Partner, not just a Product

LED equipment and materials
from a single supplier



More than
900,000
metres laid
throughout Europe

More than
100,000
single installations

More than
17
years practical
development and
site experience

New

Interchangeable
curing reels

Ergonomic
transport trolley

Slimline
control unit



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LED Equipment

(European patent: EP 2 129 956 B1)



Product data	Unit	Bluelight LED mini head	Bluelight LED spherical head	Bluelight LED cylinder head
Input power	watt	292.3	705.6	1,461.6
Output power	watt	200.4	470.4	974.4
Efficiency at 50 degrees Celsius	%	69	66.7	
Length of the light source	cm	5.2	6.5	13.2
Width/Diameter of the light source	cm	4.1	5.2	
Weight of the light source	gram	79	165	375
Output power/weight	watt/gram	2.5	2.9	2.6
Number of diodes per light source	pcs	144	336	696
Manufacturer diodes			Osram	
Operating temperature diode	centigrade		-40 ... 120	
Junction temperature absolute diode	centigrade		150	
Wavelength	nm		444 ... 457	
Viewing angle	degree			120



CIPP Lining System

(WRC approved: PT/437/0519)



CIPP liner carrier

Flexible synthetic fiber with PU coating or GRP carrier



Resin

Styrene and odour free resins, based on Vinylester



Cure

Pure LED technology in the light wavelength of Bluelight



Curing speeds

0,30-1,65 m/min (0.98-5.41 ft./min) / 18-99 m/h (59-324 ft./h) depending on type of liner, diameter, wall thickness and LED light head



Production

According to the standard DIN EN ISO 9001



Installation

DN70 - DN600 in felt and glass liners

Change of nominal diameter: possible depending on the product

Lengths: up to 125 metres – longer available by special request

Bends up to 90° depending on product

Open ends: possible by using a special translucent calibration hose

Glass Liner

PAA-GF-Liner™ is designed for renewal of gravity pipes. The PAA-GF-Liner™ is tailored to each individual installation. The specialist polyester impregnated liner is cured by means of Bluelight and can be used for different applications such as stormwater pipes, wastewater pipes and industrial pipes with a size range of DN150 – DN600 and in standard thicknesses of 3.2mm, 4mm, 5mm.



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Why is Bluelight unique?

Proven and documented
safety process

Process technology certified by the WRC
(Water Research Centre) and DIBt
(German Civil Engineering Institute)

Between 90% and 99% CO₂ savings
compared to heat-curing systems

Environmentally friendly resin,
odourless and low-emission technology

Minimum installation time – quick
recommissioning of the
renovated sections

High quality result: top end product
with a minimum 50 years life expectancy

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Advantages for contractors

Liner installation is two to five times more efficient

Possibility to check the liner before curing using
the integrated camera on the LED head

Storage of up to 3 months for impregnated liners

Fully automated quality assurance and
documentation of all relevant parameters

Instruction manual including definitions
of all procedure steps

Low space requirement for the installation
equipment with maximum equipment mobility

Fully software controlled system technology

Reduction of error potential compared with
multi-component systems

Maximum flexibility thanks to a choice of impregnating
on site or using pre impregnated materials

User support by a global player in trenchless
renovation of drainage systems; remote
maintenance and remote sessions are
possible

Less waste (re-usable silicone calibration
hoses) excess resins from impregnation
can be re-used

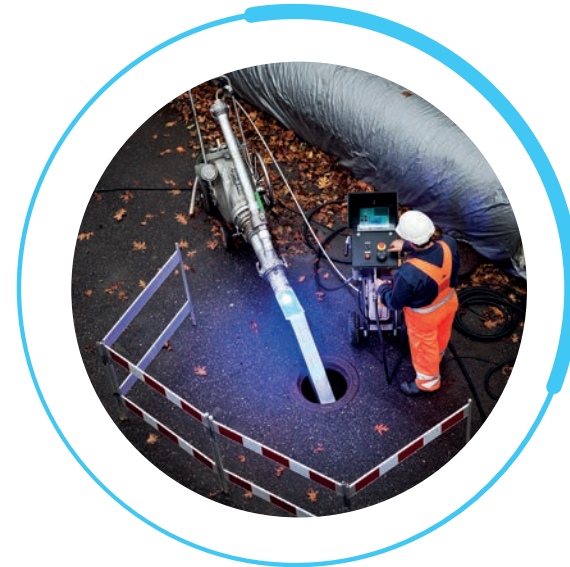


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Advantages for engineers,
planners and architects



Advantages for private, public and
industrial property owners as well
as managers

Quick and reliable project management

Fully automated quality assurance
and documentation of all relevant
parameters

Reduction of error potential compared
with multi-component systems

Installation lengths of up to 125 m (410 ft)

Proven safety process

Certified by DIBt (Germany), WRC (UK)
and CCFAT (France)



Appreciation of real estate and property
through sustainable investment

Long-term compliance with official and
general drainage requirements

Restoration of water tightness and static
load capacity of the pipeline, with an
improved flow capacity

Maximum efficiency and minimum
disruption thanks to speed

No chemical odours during work



Testimonials



"Due to our works we required reliability and high quality, Bluelight fit this bill in its entirety. The ease of use, its growing capabilities along with the dealer backup was unparalleled by anyone else."



Dalrod Milton Keynes and Leicester
"We have always looked at ways of improving efficiency but not compromise on quality. Bluelight fits this bill perfectly. Materials are exceptional quality and the consistency is fantastic. The back up and support we get from Bluelight Lining Ltd is the best available, we couldn't wish for a better system."



"We are now operating 3 systems one of which is their full vehicle build system. I wouldn't use anything else for its reliability and quality, the customers love the speed and quality, the crews love the ease of use and knowing they will never have an issue during the installation or curing process."



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