

bsi
IERGO SERIES
Urban Area
Lighting



SMART LIGHTING TRENDS

BSI® Lighting Technologies follows smart, sustainable and ecologically responsible outdoor lighting principles using new technologies and best practices in lighting design and production.

We provide the most current research and information to our clients on smart lighting solutions based on their performance and real effectiveness.



Total lighting solution

BSI® Lighting Technologies lighting luminaires combine high technology and stylish design, from classic to modern, with high-efficiency LED technology.

Our portfolio brings in optimal lighting solutions for architectural, architainment, commercial and public applications. All products from urban, roadway lighting to residential, parking, area, pedestrian, tunnel & underpass, flood, landscape and indoor lighting are specifically designed to provide efficient visual comfort and enjoyment.





urban area lighting

The range inspires architects, designers and system integrators with its exceptional quality, a variety of beam angles and remarkable creativity.

Cities alive lighting the urban night-time.

24-hour cities

Well-designed night-time lighting can influence the way you use and enjoy a city, the way you move around its streets and even the way you feel.

Project-Centred

The company team studies each project with a unique approach and creates custom-made systems that allow greater integration into the architecture.

In the Field

Urban lighting is not just about meeting safety needs through code compliance, or achieving an aesthetic effect. It presents a significant opportunity to fundamentally improve the quality of life of urban citizens.

Exploring the Future of Urban Lighting

For lighting to become truly integrated to the urban environment, we work together with lighting designers, urban planners and public utilities to have a common goal the desire to create harmonious, environmentally, and contextually sensitive lighting around the globe.

Innovations for future

The power and impact of light are prominent, lighting components are less visible and more integrated with the architecture, and the boundary between lighting and design is nebulous. We see great opportunities to create spaces with interactive light, where its intensity, color, and movement respond to occupants or to programming, changing the use of any space, on any given days.

Timeless design for all outdoor areas

iErgo Urban Lighting Series provide an elegant solution for lighting various environments in towns and cities such as urban and residential streets, squares and parks, pedestrian areas and car parks.

The Company

BSI® Lighting Technologies; designs and manufactures creative lighting solutions for the international architectural lighting market. BSI® offers a wide range of services, from consultation and advice to architects and architectural lighting designers during the initial project design phase to helping to identify and develop technology solutions, customized products or custom-designed, project specific products.

A Commitment to Better Lighting

The Company's core technology, innovative designs and superior customer service enable the next generation of illumination continuing to change the way we light the world.

In-House Research & Development

BSI® Lighting Technologies has extensive experience in designing luminaires for a range of extreme environments. With a growing portfolio of products and an increasingly comprehensive range of services our investment in Research and Technology is very important.

Warranty & Support

BSI® Lighting Technologies offers factory-direct warranty and application support. With BSI® Lighting Technologies standing behind the technology, design and manufacturing of our products, you can feel confident that you have chosen the right partner. If you ever have a question or problem, you can talk to us directly.



Committed to Excellence

The company was created to complement a variety of design styles for urban, public, hospitality, retail and residential spaces. We strive to provide our clients with innovative designs, precision metal work and unique materials. BSI® is committed to energy efficiency in design and the use of renewable and reclaimable resources.

Solid Experience

BSI® Lighting Technologies collaborates with landscape designers, architects, lighting designers and lighting specifiers to develop custom lighting solutions specific to their needs. Having an in-house design staff increases productivity and gives the client all the tools necessary to bring their ideas to life.

Design Focussed

BSI® supports all phases of the design process: from concept, through a collaborative design work-flow, to final realization within the architectural space. We offer 3D CAD modeling, photorealistic renderings and video animations to support each project.

Flexible and Independent

BSI® Lighting Technologies is an independent and flexible supplier whose know-how and knowledge is operating in many industry verticals all over Europe, Asia, Africa and the Middle East. BSI® has the full flexibility and processes to cooperate with its business partners wherever they are located.



iErgo Series

iErgo system is an extremely adaptable, modular luminaire range with an apparent, purist, modern design. The column is available with supporting columns in various different heights , and can be equipped according to needs with the desired lighting technology, optics and diverse light management.

iErgo FL



LED projector ideal to highlight and emphasize architectural details and also perfect to illuminate walls, facades and monumental structures.

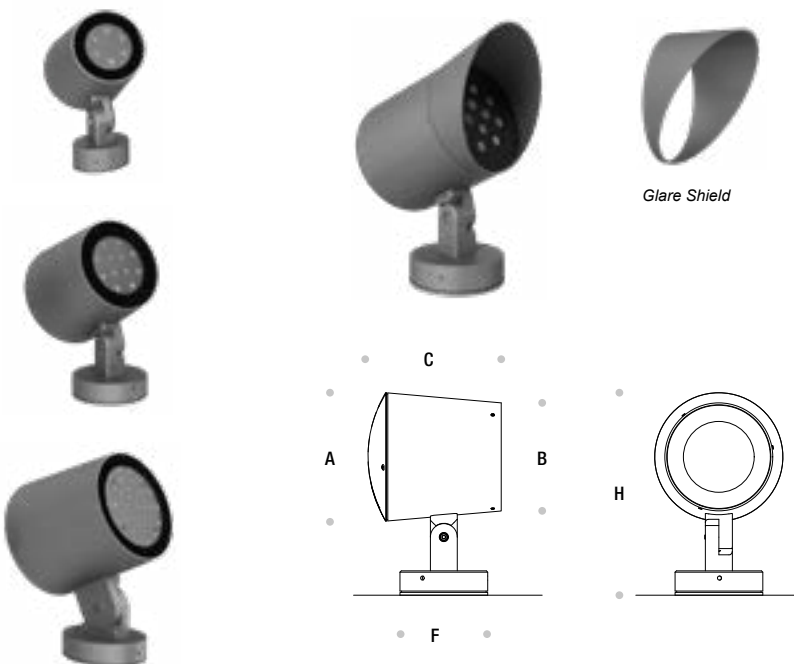
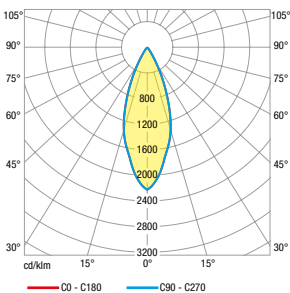
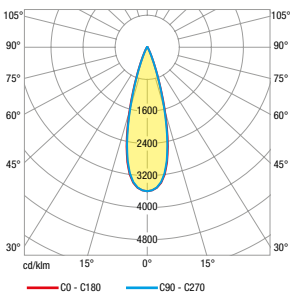
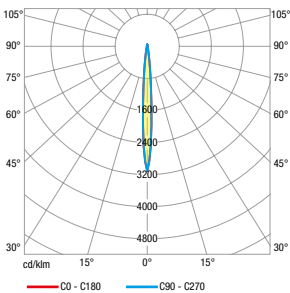
iErgo provides a high-intensity wash of light with customisable beam angles for floodlighting, spotlighting, wall washing and grazing. The head is adjustable, making it easy to focus incident light on the exposed element. Two sizes. Advanced thermal design with cutting-edge manufacturing process and materials.

Designed to last in extremely harsh environments.



CODE	POWER CONSUMPTION	LUMEN OUTPUT (lm) 3000K / 4000K	COLOUR TEMPERATURE	A (mm)	B (mm)	C (mm)	H (mm)	F (mm)
FL9222	12W	1320 / 1440	3000K / 4000K	127	108	130	210	80
FL9224	24W	2640 / 2880	3000K / 4000K	127	108	130	210	80
FL9226	36W	3940 / 4320	3000K / 4000K	190	160	197	300	120
FL9228	48W	5280 / 5760	3000K / 4000K	190	160	197	300	120
FL9230	72W	7920 / 8640	3000K / 4000K	238	200	240	365	150
FL9232	108W	11880 / 12960	3000K / 4000K	238	200	240	365	150
FL9234	144W	15840 / 17280	3000K / 4000K	238	200	240	365	150

LED Type	High efficiency LEDs, available in 2700K, 3000K, 4000K, 5000K, 6500K CCT tolerance within a 3-step MacAdams ellipse and LM80 compliant.
Nominal Voltage	220V-240V AC, 50/60Hz
Color Rendering Index	CRI> 80 standard and CRI>90 on request.
Optics	Spot beam, Medium beam, Flood beam.
Materials	Corrosion resistant double layer polyester powder coated paint finish die cast aluminium housing with stainless steel screws (A4 grade) and silicone gaskets. Power unit is built in. Available in anthracite gray as a standard finish or any desired RAL colour. Mounting bracket made of aluminium with polyester powder coating.
Optional Coating	Marine grade.
Mounting	Adjustable Bracket.
Accessories	Glare Shield
Diffuser	Thermal-shock resistant tempered glass with no visible screws.
LED Specification	L90B50 > 100000 hours life time.
Energy Efficiency Class (EEC)	A++
Operating Temperature	-40°C / +55°C
Power Factor	>0.95
Control Systems	RGB DMX512 - RGBW DMX512, DALI Interface.
Protection Class	IP66
Impact Resistance	IK09
Insulation Class	Class I
Conformity	Complies with European Standards EN 60598 and CE certified.



iErgo Platz

iErgo Platz is a multi purpose urban lighting column suitable for squares, roads, pedestrian precincts, car parks and sports grounds. Advanced thermal design with cutting-edge manufacturing process and materials. The system offers rotationally symmetrical light distribution narrow to wide beam.

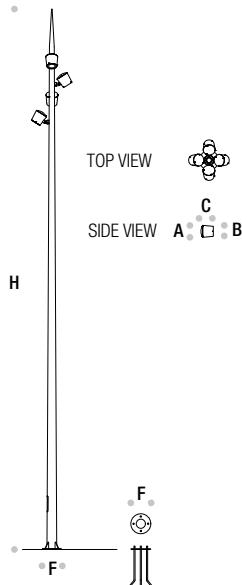
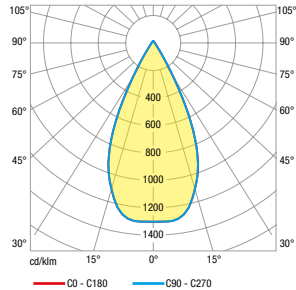
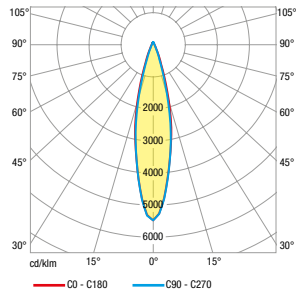
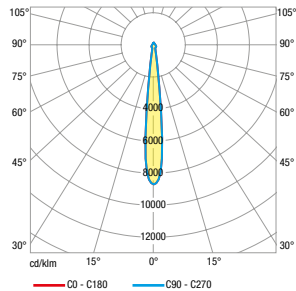
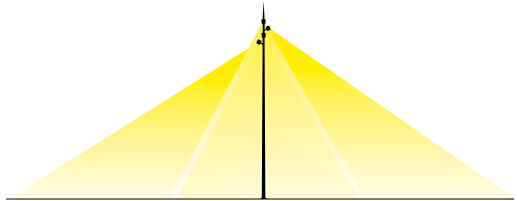
Designed to last in extremely harsh environments.



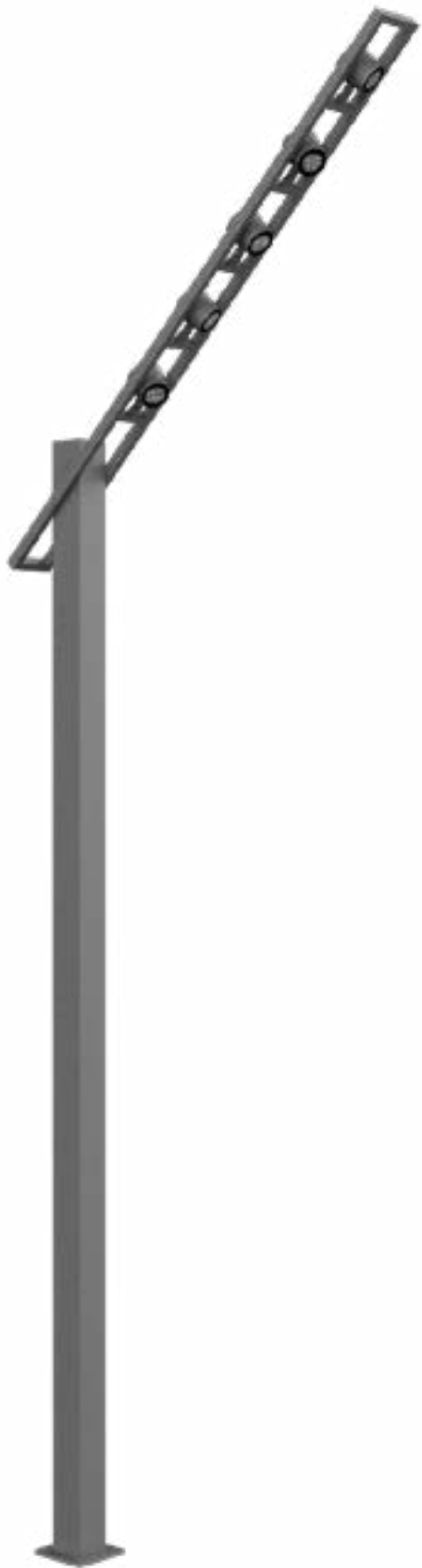
CODE	POWER CONSUMPTION	LUMEN OUTPUT (lm) 3000K / 4000K	COLOUR TEMPERATURE	A (mm)	B (mm)	C (mm)	H (mm)
UA18111	48W	5280 / 5760	3000K / 4000K	190	160	197	4000 / 6000
UA18112	72W	7920 / 8640	3000K / 4000K	190	160	197	6000 / 8000
UA18113	108W	11880 / 12960	3000K / 4000K	190	160	197	8000 / 10000
UA18114	144W	15840 / 17280	3000K / 4000K	190	160	197	8000 / 10000

*Poles to be ordered separately. See tables on pages 386-391

LED Type	High efficiency LEDs, available in 2700K, 3000K, 4000K, 5000K, 6500K CCT tolerance within a 3-step MacAdams ellipse and LM80 compliant.
Nominal Voltage	220V-240V AC, 50/60Hz
Color Rendering Index	CRI> 80 standard and CRI>90 on request.
Optics	Rotationally symmetrical narrow - medium - wide distribution.
Materials	Corrosion resistant double layer polyester powder coated paint finish die cast aluminium housing with stainless steel screws (A4 grade) and silicone gaskets. Power unit is built in. Available in anthracite gray as a standard finish or any desired RAL colour. Adjustable mounting bracket made of aluminium with polyester powder coating. Conical poles are in galvanized steel or aluminium, available in different heights from 4m to 10m.
Optional Coating	Marine grade.
Mounting	Adjustable Bracket.
Accessories	Glare Shield
Diffuser	Thermal-shock resistant tempered glass.
LED Specification	L90B50 > 100000 hours life time.
Energy Efficiency Class (EEC)	A++
Operating Temperature	-40°C / +55°C
Power Factor	>0.95
Control Systems	DALI Interface.
Protection Class	IP66
Impact Resistance	IK09
Insulation Class	Class I
Conformity	Complies with European Standards EN 60598 and CE certified.

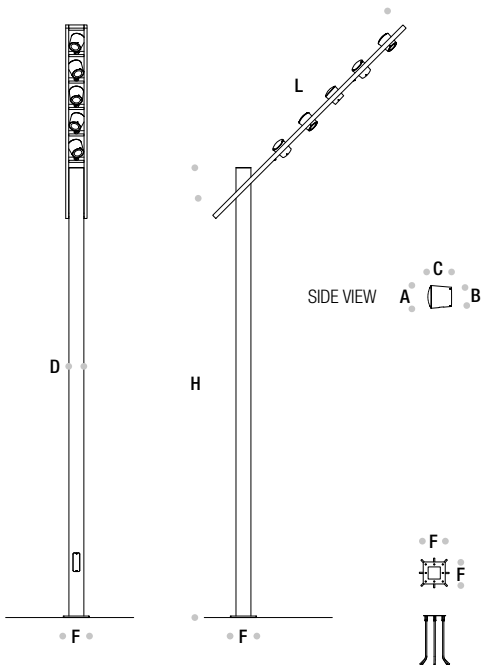


iErgo Supra



iErgo Supra is a multi purpose urban lighting column suitable for squares, roads, pedestrian precincts, car parks and sports grounds. Advanced thermal design with cutting-edge manufacturing process and materials. The system offers rotationally symmetrical light distribution narrow to wide beam.

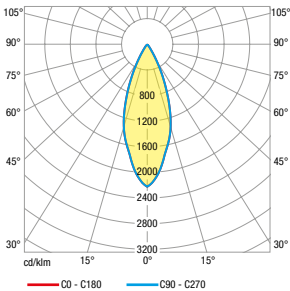
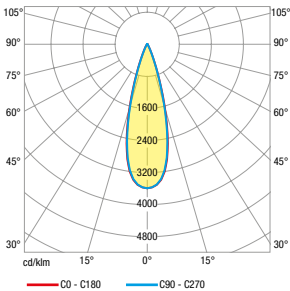
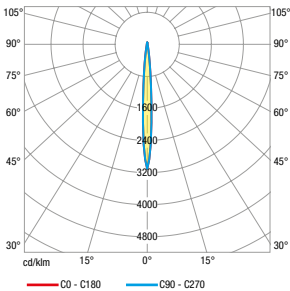
Designed to last in extremely harsh environments.



CODE	POWER CONSUMPTION	LUMEN OUTPUT (lm) 3000K / 4000K	COLOUR TEMPERATURE	A (mm)	B (mm)	C (mm)	L (mm)	D (mm)	H (mm)	F (mm)
UA19111	48W	5280 / 5760	3000K / 4000K	190	160	197	3600	200x200	6000 / 8000	350
UA19112	72W	7920 / 8640	3000K / 4000K	238	200	240	3600	200x200	6000 / 8000	350
UA19113	108W	11880 / 12960	3000K / 4000K	238	200	240	3600	200x200	6000 / 8000	350
UA19114	144W	15840 / 17280	3000K / 4000K	238	200	240	3600	200x200	6000 / 8000	350

*Poles to be ordered separately. See tables on pages 386-391

LED Type	High efficiency LEDs, available in 2700K, 3000K, 4000K, 5000K, 6500K CCT tolerance within a 3-step MacAdams ellipse and LM80 compliant.
Nominal Voltage	220V-240V AC, 50/60Hz
Color Rendering Index	CRI> 80 standard and CRI>90 on request.
Optics	Rotationally symmetrical narrow - medium - wide distribution.
Materials	Corrosion resistant double layer polyester powder coated paint finish die cast aluminium housing with stainless steel screws (A4 grade) and silicone gaskets. Power unit is built in. Tilttable by up to 45° horizontal and vertical axis. Available in anthracite gray as a standard finish or any desired RAL colour. Adjustable mounting bracket made of aluminium with polyester powder coating. Aluminium pole 200x200mm. Optional pole heights and floodlight arrangements.
Optional Coating	Marine grade.
Mounting	Adjustable Bracket.
Accessories	Glare Shield
Diffuser	Thermal-shock resistant tempered glass with no visible screws.
LED Specification	L90B50 > 100000 hours life time.
Energy Efficiency Class (EEC)	A++
Operating Temperature	-40°C / +55°C
Power Factor	>0.95
Control Systems	DALI Interface, DMX.
Protection Class	IP66
Impact Resistance	IK09
Insulation Class	Class I
Conformity	Complies with European Standards EN 60598 and CE certified.



iErgo Flow

iErgo Flow is a multi purpose urban lighting column suitable for squares, roads, pedestrian precincts, car parks and sports grounds. Advanced thermal design with cutting-edge manufacturing process and materials. The system offers rotationally symmetrical light distribution narrow to wide beam.

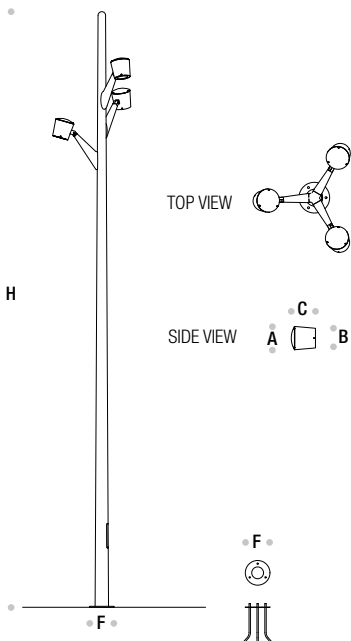
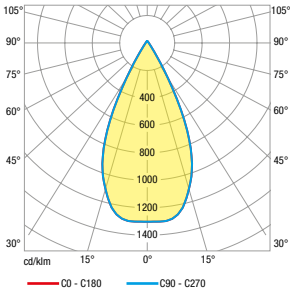
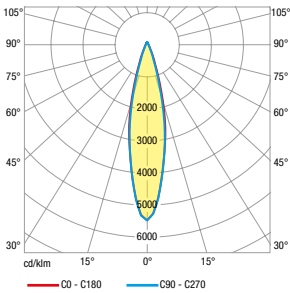
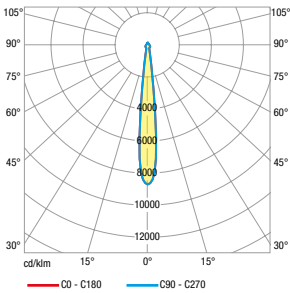
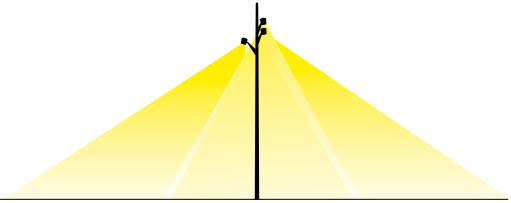
Designed to last in extremely harsh environments.



CODE	POWER CONSUMPTION	LUMEN OUTPUT (lm) 3000K / 4000K	COLOUR TEMPERATURE	A (mm)	B (mm)	C (mm)	H (mm)	F (mm)
UA18711	48W	5280 / 5760	3000K / 4000K	190	160	197	4000 - 6000	250
UA18713	72W	7920 / 8640	3000K / 4000K	238	200	240	6000 - 8000	250
UA18715	108W	11880 / 12960	3000K / 4000K	238	200	240	8000 - 10000	250
UA18717	144W	15840 / 17280	3000K / 4000K	238	200	240	8000 - 10000	250

*Poles to be ordered separately. See tables on pages 386-391

LED Type	High efficiency LEDs, available in 2700K, 3000K, 4000K, 5000K, 6500K CCT tolerance within a 3-step MacAdams ellipse and LM80 compliant.
Nominal Voltage	220V-240V AC, 50/60Hz
Color Rendering Index	CRI> 80 standard and CRI>90 on request.
Optics	Rotationally symmetrical narrow - medium - wide distribution.
Materials	Corrosion resistant double layer polyester powder coated paint finish die cast aluminium housing with stainless steel screws (A4 grade) and silicone gaskets. Power unit is built in. Available in anthracite gray as a standard finish or any desired RAL colour. Adjustable mounting bracket made of aluminium with polyester powder coating. Conical poles are in galvanized steel or aluminium, available in different heights from 4m to 10m.
Optional Coating	Marine grade.
Mounting	Adjustable Bracket.
Accessories	Glare Shield
Diffuser	Thermal-shock resistant tempered glass.
LED Specification	L90B50 > 100000 hours life time.
Energy Efficiency Class (EEC)	A++
Operating Temperature	-40°C / +55°C
Power Factor	>0.95
Control Systems	DALI Interface.
Protection Class	IP66
Impact Resistance	IK09
Insulation Class	Class I
Conformity	Complies with European Standards EN 60598 and CE certified.





A new and fresh approach to lighting products and manufacturing

BSI® Lighting Technologies controls every aspect of the production process; design, development, manufacturing, and distribution. The result; high quality, from product performance to customer service.

Integrated development, production, and quality assurance

At BSI® Lighting Technologies; the product development location with planning, development, production, and quality control units are collected in one place.



Cutting-edge technology and artisan perfection in lighting

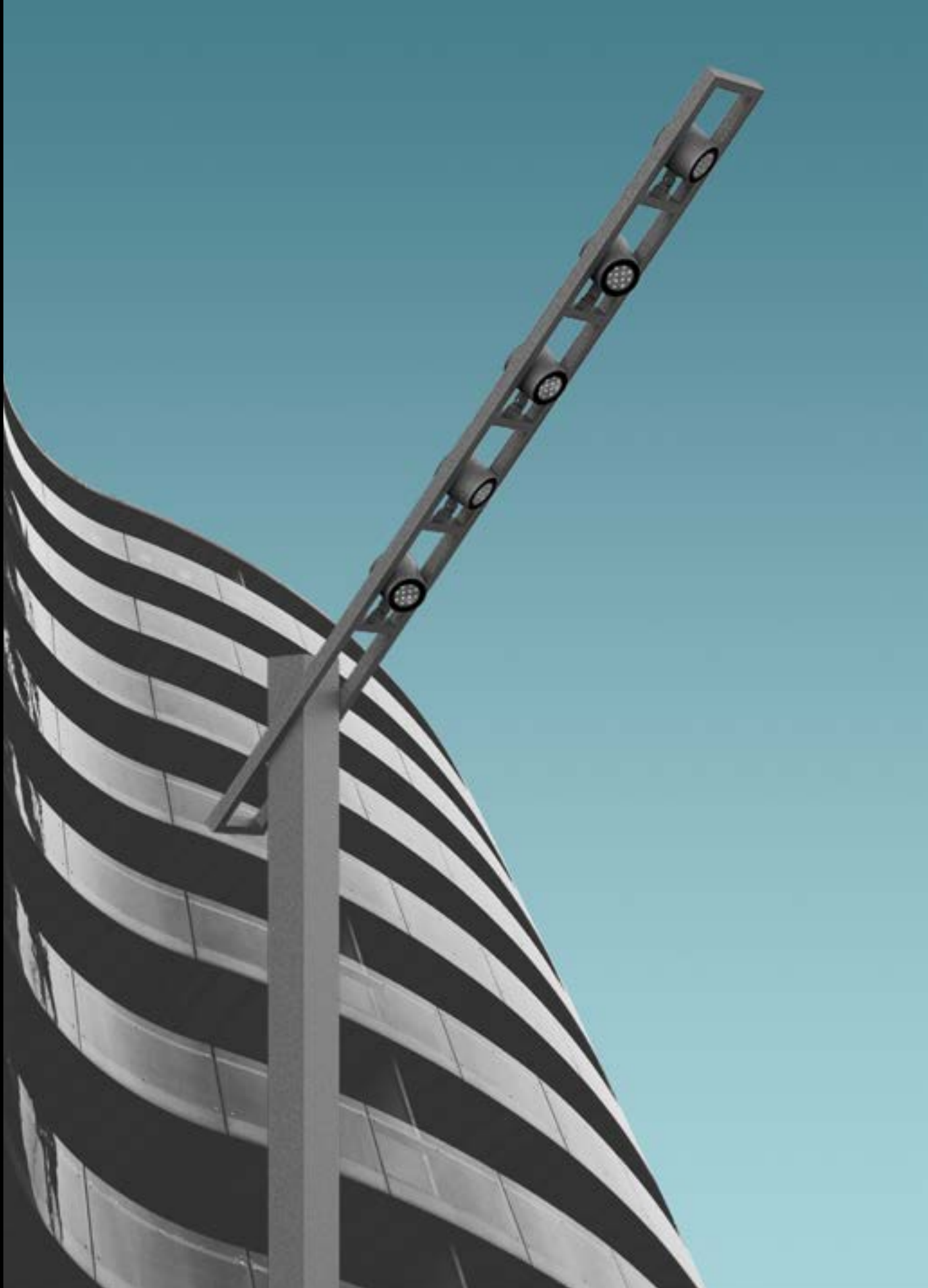
We created a new concept stands for artisan and trendy LED lighting luminaires with an appealing design and high-quality manufacturing.

Lighting solutions, in harmony with architecture and nature

We stand for innovative lighting technology and combined light expertise; from large-scale projects to customer project solutions.

We are the dynamic partner for high-quality lighting solutions

The comprehensive know-how of the BSI® lighting engineers stands for Quality Made in Turkey and the continuous optimisation of productivity, safety, health and energy-saving.



Customised lighting solutions for unlimited freedom

BSI® Lighting Technologies is a global manufacturer offers architectural and technical energy-efficient, high quality, sustainable lighting solutions, both for indoor and outdoor spaces.

From product engineering and design to the prototyping and manufacturing of LED luminaires, the company uses the latest technologies to satisfy clients' needs and guarantee long lasting quality. We have a total lighting product range for commercial, educational, public, residential, industrial and sports areas.

The company is also known for custom-made solutions. We are constantly working on improving products for the new generation lighting requirements. Our innovation is based on the continuous renewal of products and processes, creative system solutions for the customer needs.



glossary



Light emitting diode

LED is a semiconductor component that emits light when voltage is applied to it.



Color Rendering Index

Color Rendering international system to rate lighting device ability to render object colors. The higher the CRI (based on a 0-100 scale) Natural outdoor light has a CRI of 100.



No Ultraviolet (UV) Radiation

Radiant energy in the range of about 100-380 nanometers (nm).



No Infrared Radiation

Electromagnetic energy radiated in the wavelength of about 770 to 1.000.000 nanometers (nm).



Low Carbon Dioxide Output (VCO₂)

The amount of CO₂ exhaled from the body in to the atmosphere per unit time, expressed in milliliters (mL) or liters (L) per minute.



Fully Rated Life

Life time LED-module L90B50 100.000h. 100.000 h the luminaires will on average produce 90% of the initial lumens. Replacement of some drivers is inevitable after 50.000h.



Energy Savings

LED is a highly energy efficient lighting technology and has the potential to fundamentally change the future of lighting in the world.



Recycling

Unlike low-energy lamps, LED contains no mercury and is therefore not treated as special waste.



European Union Energy Label

The energy efficiency of the appliance is rated in terms of a set of energy efficiency classes from A to G on the label, A being the most energy efficient, G the least efficient.



Ingress Protection

The first numerical digit describes the rating that is given for solid objects. The 6 here is the highest rating and means the LED is dust tight. The second numerical digit defines how well the LED can keep liquid out.



Impact Resistance

The IK code is an international numeric classification for the degrees of protection provided by enclosures for electrical equipment against external mechanical impacts. The classification is based on the regulations IEC 50102 (IEC 70-3), that ranges from a minimum value IK00 (unprotected), up to the value IK10 (protected from equivalent impact to the force exerted by a weight of 2 kg dropped from a 1 meter level).



Safety Classifications Class I

The luminaires in this class have basic electrical insulation and all of their potentially electrically conductive parts are connected to a protective conductor. The protective conductor terminal displays this marking.



Safety Classifications Class II

Live parts are fitted with additional insulation. Connection to a protective conductor is not permitted.



Safety Classifications Class III

Protection against electrical shock is based on use of safety extra low voltage (SELV).



CE Certificate

Certifies product has met EU (European) consumer safety, health and or environmental requirements.



RoHs Compliance

Restricts the use of certain dangerous substances commonly used in electrical and electronic equipment.



Dimming

Device that regulates the intensity of the light source.



DMX RDM

Remote Device Management is a protocol that sits on top of the normal DMX512 data standard. DMX512 is a unidirectional protocol which means that the data flows in one direction - from the control desk to the lights.



RGB

Red, Blue and Green LEDs. RGB LED products combine these three colors to produce over 16 million hues of light.

The luminaires are designed and manufactured in accordance with below quality procedures and constructed in conformity to the European EN 60598 standards and CE-marked.

*Quality Management System ISO 9001:2015 *Customer Satisfaction Management System ISO 10002:2018 *Environmental Management System ISO 14001:2015 *Occupational Health & Safety Management System ISO 45001:2018 In compliance with regulations in force, BSI® LIGHTING reserves the right to make unannounced technical amendments to improve the features and performance of products. Illustrations are not binding. The Lumen (lm) listed in the catalogue are "typical" values of LED Modules and may be subject to change due to the continuous evolving LED technology.

The standard finishing of the products are specified in the product description. The products can also be finished in RAL colours on request subject to availability.

All changes, errors or involuntary omissions in this catalogue, will be published on the website bsilighting.com

Editorial supervision BSI® LIGHTING TECHNOLOGIES

Designed and Styled by Mithat Tekin ® www.bbmt.com.tr

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BSI AYDINLATMA ELEK. ELEKT. SAN. TIC. A.Ş.

HQ : Konutkent Mah. 3029 Cad. No: 3/91 06810 Çankaya - Ankara / TURKEY

Tel : +90 312 472 42 50

Fax : +90 312 502 74 75

Web : bsilighting.com

E-mail : info@bsilighting.com

For sales agent please contact: info@bsilighting.com

