b Architectural FLOODLIGHT SERIES



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.









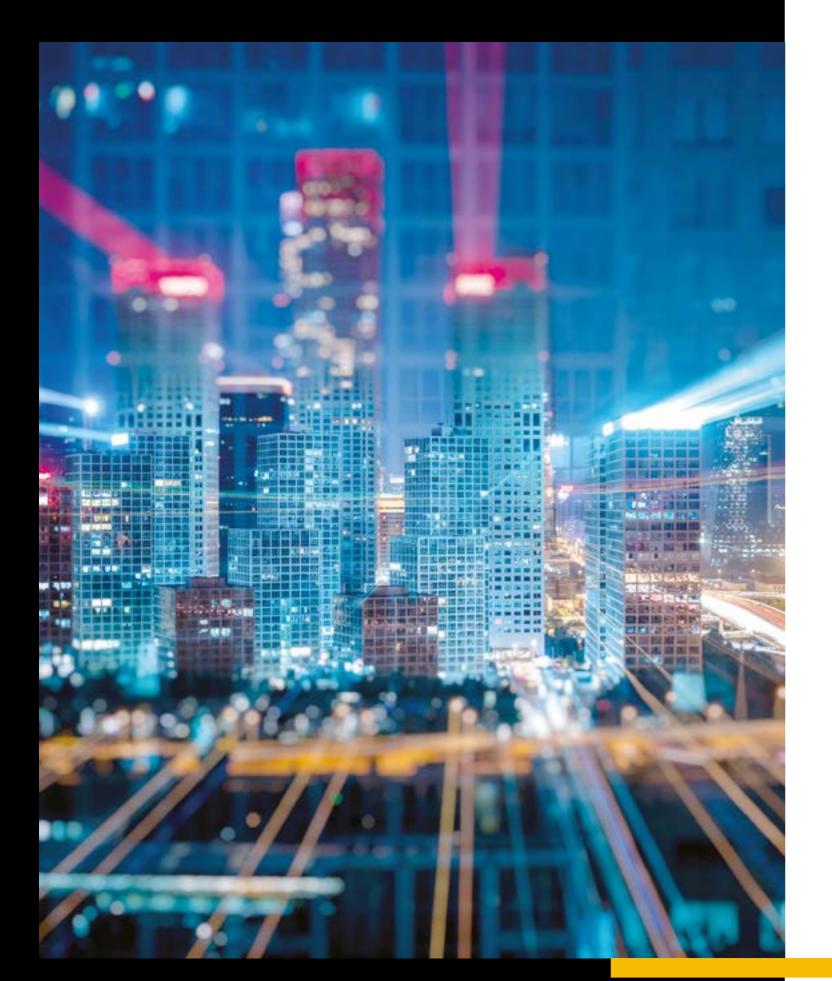
Total lighting solution

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.





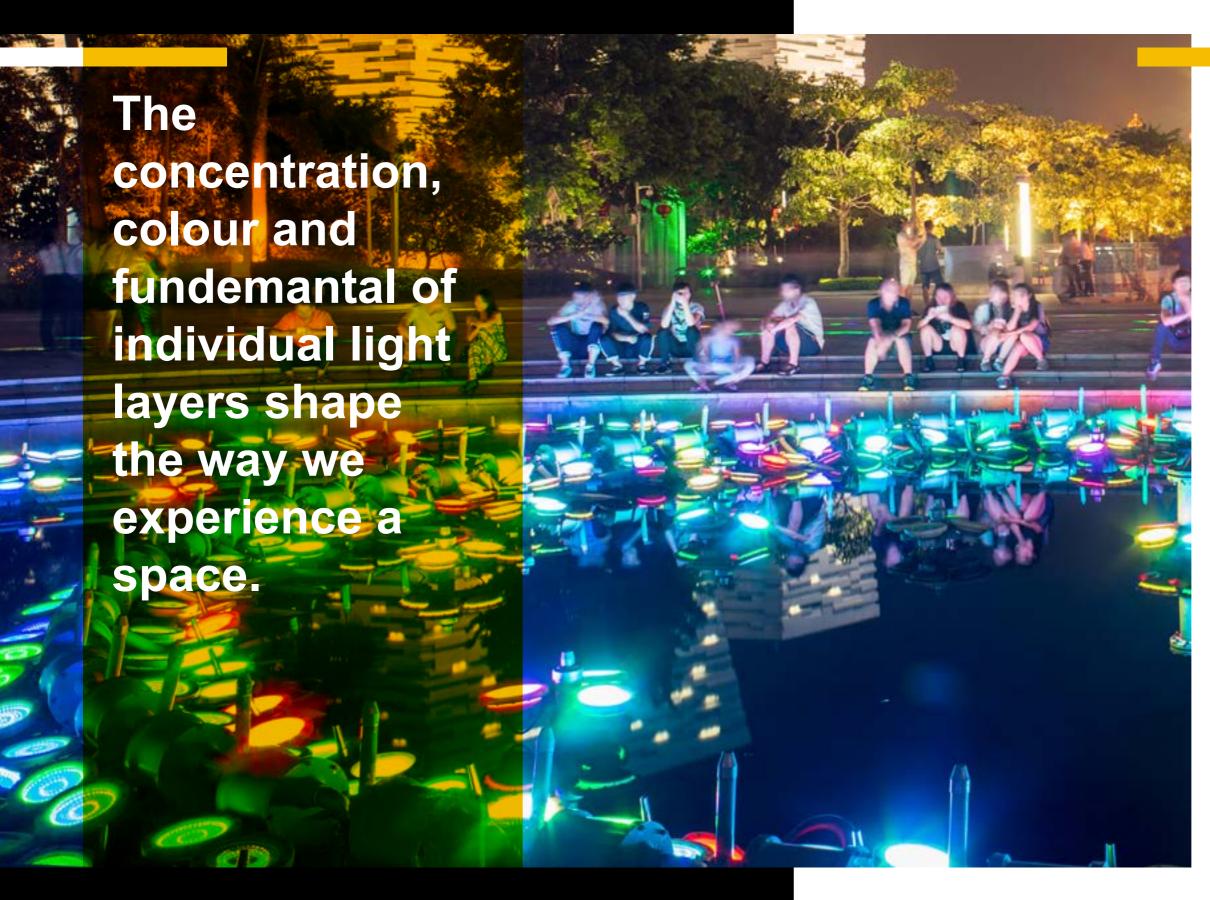




architectural flood lighting

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





Light for architecture

To enhance outdoor spaces and architecture with thoughtful, adaptive, multi-layered lighting concepts.

Project approach

We advise, we design, we produce and make your technical lighting projects.

Dimension of the architecture

Lighting is not just about illumination, it adds an entirely new dimension to the design.

Digital Era

The latest requirements from practice as specified by architects, lighting designers and electrical contractors consistently flow into our development processes.

Dynamic lighting

BSI® offers tuneable white systems, allowing you to change the character of a space using variable colour temperatures from warm 2700K to cool

Right colour

Option of choosing RGBW as an alternative to RGB is available, providing a mix of RGB with cool or warm white colours.

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.

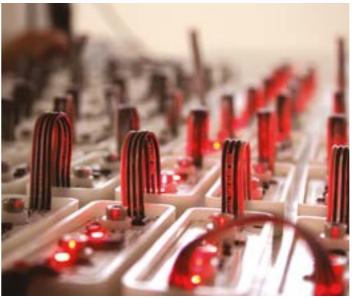
Warranty & Support

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.



Architectural Floodlight Series

Architectural flood lighting in particular, can showcase and transform the visual appearance of a range of structures. From creating focal points to highlighting special features, architectural lighting can add considerable visual impact.

Architectural lighting applications can be used in a variety of different ways. Whether enhancing visibility and ensuring a building is well-lit and safe for users or attracting more visitors by creating alternative uses for a venue, effective lighting can achieve far more than an improved appearance.

LEDs are available in an almost unlimited range of colours and beam angles and can be controlled and changed as requirements develop over time. From rich, saturated colours to white light for wall-washing and spot lighting, BSI° LED floodlights provide a bright and even light output, ideal for external applications.

10

iPlasma SQ

LED Floodlight ideal for lighting facades, large structures, bridges, sports areas, retail spaces and perimeter areas.

iPlasma SQ provides a high-intensity wash of light with customisable beam angles for floodlighting, spotlighting, wall washing and grazing. Three sizes: small, medium and large. Advanced thermal design with cutting-edge manufacturing process and materials.

Designed to last in extremely harsh environments.





















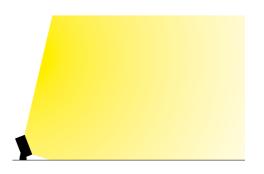


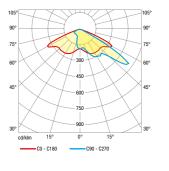


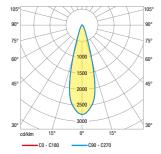
CODE	POWER CONSUMPTION	LUMEN OUTPUT (lm) 3000K / 4000K 700mA	COLOUR TEMPERATURE	A (mm)	B (mm)	C (mm)	H (mm)
FL93121/S MONO	32W	3520 / 3840	3000K / 4000K	240	200	80	260
FL93122/S MONO	48W	5280 / 5760	3000K / 4000K	240	200	80	260
FL93123/S MONO	64W	7040 / 7680	3000K / 4000K	240	200	80	260
FL93131/M MONO	72W	7920 / 8640	3000K / 4000K	320	280	80	340
FL93132/M MONO	108W	18480 / 20160	3000K / 4000K	320	280	80	340
FL93133/M MONO	144W	15840 / 17280	3000K / 4000K	320	280	80	340
FL93141/L MONO	192W	21120 / 23040	3000K / 4000K	410	370	80	430

CODE	POWER CONSUMPTION	LUMEN OUTPUT (Im) RGB/RGBW	COLOUR TEMPERATURE	A (mm)	B (mm)	C (mm)	H (mm)
FL93122/S RGB-RGBW	48W	2880 / 3360	RGB-RGBW	240	200	80	260
FL93132/M RGB-RGBW	108W	6480 / 7560	RGB-RGBW	320	280	80	340
FL93141/L RGB-RGBW	192W	11520 / 13440	RGB-RGBW	410	370	80	430

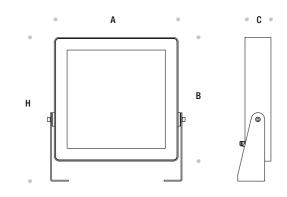
LED Type	High efficiency LEDs, available in 2700K, 3000K, 4000K, 5000K, 6500K CCT tolerance within a 3-step MacAdams ellipse and LM80 compliant.
Nominal Voltage	220V-240V AC, 50/60Hz
Color Rendering Index	CRI> 80 standard and CRI>90 on request.
Optics	Asymmetrical or rotationally symmetrical distribution 8° / 12° / 30° / 45° / 60° / 90°
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.
Optional Coating	Marine grade.
Accessories	Adjustable Bracket.
Diffuser	Thermal-shock resistant tempered glass. 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, RGB DMX512, RGBW DMX512
Protection Class	IP66
Impact Resistance	IK09
Insulation Class	Class I
Conformity	Complies with European Standards EN 60598 and CE certified.







13





iPlasma REC

LED luminaire ideal for lighting facades, large structures, bridges, sports areas, retail spaces and perimeter areas.

iPlasma REC provides a high-intensity wash of light with customisable beam angles for floodlighting, spotlighting, wall washing and grazing. Three sizes: small, medium and large. Advanced thermal design with cutting-edge manufacturing process and materials.

Designed to last in extremely harsh environments.



























CODE	POWER CONSUMPTION	LUMEN OUTPUT (Im) 3000K / 4000K	COLOUR TEMPERATURE	A (mm)	B (mm)	C (mm)	H (mm)
FL92121/S MONO	72W	7920 / 8640	3000K / 4000K	330	130	223	260
FL92122/S MONO	96W	10560 / 11520	3000K / 4000K	330	130	223	260
FL92141/M MONO	144W	15840 / 17280	3000K / 4000K	536	160	296	356
FL92142/M MONO	216W	23760 / 25920	3000K / 4000K	536	160	296	356
FL92143/M MONO	288W	31680 / 34560	3000K / 4000K	536	160	296	356
FL92161/L MONO	384W	42240 / 46080	3000K / 4000K	746	160	328	378
FL92162/L MONO	512W	56320 / 61440	3000K / 4000K	746	160	328	378

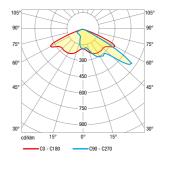
CODE	POWER CONSUMPTION	LUMEN OUTPUT (Im) RGB / RGBW	COLOUR TEMPERATURE	A (mm)	B (mm)	C (mm)	H (mm)
FL92181/S RGB-RGBW	72W	4320 / 5040	RGB-RGBW	330	130	223	260
FL92182/M RGB-RGBW	216W	12960 / 15120	RGB-RGBW	536	160	296	356
FL92183/L RGB-RGBW	384W	23040 / 26880	RGB-RGBW	746	160	328	378

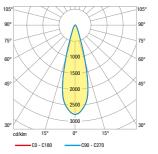
LED Type	High efficiency LEDs, available in 2700K, 3000K, 4000K, 5000K, 6500K CCT tolerance within a 3-step MacAdams ellipse and LM80 compliant.
Nominal Voltage	220V-240V AC, 50/60Hz
Color Rendering Index	CRI> 80 standard and CRI>90 on request.
Optics	Asymmetrical or rotationally symmetrical distribution 8° / 12° / 30° / 45° / 60° / 90°
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.
Optional Coating	Marine grade.
Mounting	Adjustable Bracket.
Diffuser	Thermal-shock resistant tempered glass. 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, RGB DMX512 - RGBW DMX512
Protection Class	IP66
Impact Resistance	IK09

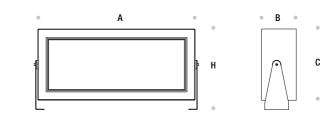
Class I

Insulation Class









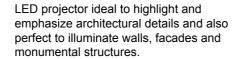
Complies with European Standards EN 60598 and CE certified.

iErgo FL









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 cuttingedge manufacturing process and materials.

Designed to last in extremely harsh environments.

















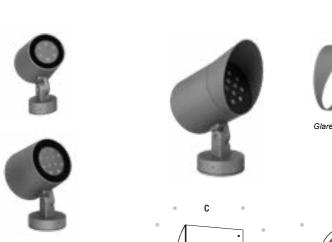




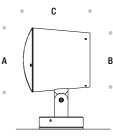


CODE	POWER CONSUMPTION	LUMEN OUTPUT (Im) 3000K / 4000K	COLOUR TEMPERATURE	A (mm)	B (mm)	C (mm)	H (mm)	F (mm)
FL9222	12W	1320 / 1440	3000K / 4000K	127	108	130	210	80
FL9224	24W	2640 / 2880	3000K / 4000K	127	108	130	210	80
FL9226	36W	3940 / 4320	3000K / 4000K	190	160	197	300	120
FL9228	48W	5280 / 5760	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

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. 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.		
Color Rendering Index CRI> 80 standard and CRI>90 on request. Optics Spot beam, Medium beam, Flood beam. 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 RGB DMX512 - RGBW DMX512, DALI Interface.	LED Type	6500K CCT tolerance within a 3-step MacAdams ellipse and
Optics Spot beam, Medium beam, Flood beam. 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 RGB DMX512 - RGBW DMX512, DALI Interface.	Nominal Voltage	220V-240V AC, 50/60Hz
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 LED Specification L90B50 > 100000 hours life time. Energy Efficiency Class (EEC) A++ Operating Temperature -40°C / +55°C Power Factor Control Systems Corrol Systems Corrol Systems Corrol Specification RYBIN Steel Power footh paint finish die cast aluminium housing with stainless steel screws (A4 grade) and silicone gaskets. Power powder coating. Adjustable Bracket. Accessories Glare Shield Thermal-shock resistant tempered glass with no visible screws. LPD Specification L90B50 > 100000 hours life time. A++ Operating Temperature -40°C / +55°C Power Factor RGB DMX512 - RGBW DMX512, DALI Interface.	Color Rendering Index	CRI> 80 standard and CRI>90 on request.
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.	Optics	Spot beam, Medium beam, Flood beam.
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.	Materials	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
Accessories Glare Shield Diffuser Thermal-shock resistant tempered glass with no visible screws. LED Specification L90B50 > 1000000 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.	Optional Coating	Marine grade.
Diffuser Thermal-shock resistant tempered glass with no visible screws. LED Specification L90B50 > 1000000 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.	Mounting	Adjustable Bracket.
LED Specification L90B50 > 100000 hours life time. Energy Efficiency Class (EEC) A++ Operating Temperature -40°C / +55°C Power Factor Control Systems RGB DMX512 - RGBW DMX512, DALI Interface.	Accessories	Glare Shield
Energy Efficiency Class (EEC) Operating Temperature -40°C / +55°C Power Factor Control Systems A++ -40°C / +55°C >0.95 RGB DMX512 - RGBW DMX512, DALI Interface.	Diffuser	Thermal-shock resistant tempered glass with no visible screws.
Operating Temperature -40°C / +55°C Power Factor >0.95 Control Systems RGB DMX512 - RGBW DMX512, DALI Interface.	LED Specification	L90B50 > 100000 hours life time.
Power Factor >0.95 Control Systems RGB DMX512 - RGBW DMX512, DALI Interface.	Energy Efficiency Class (EEC)	A++
Control Systems RGB DMX512 - RGBW DMX512, DALI Interface.	Operating Temperature	-40°C / +55°C
·	Power Factor	>0.95
B t tl Bi	Control Systems	RGB DMX512 - RGBW DMX512, DALI Interface.
Protection Class IP66	Protection Class	IP66
Impact Resistance IK09	Impact Resistance	IK09
Insulation Class Class I	Insulation Class	Class I
Conformity Complies with European Standards EN 60598 and CE certified.	Conformity	Complies with European Standards EN 60598 and CE certified.



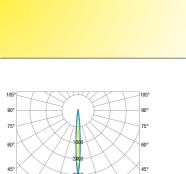


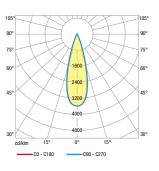


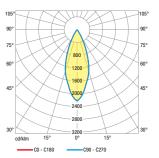










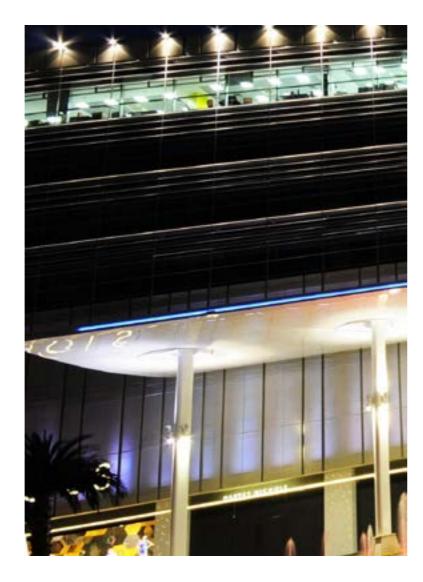


iOvi is perfect for highlighting features on buildings or in gardens. LED light source for waterproofed, powerful, versatile spotlight, mounted on an adjustable bracket. Its compact size makes this light fitting ideally suited to any number of applications. Designed to last in extremely harsh environments.

Monochrome or DALI controllable. Easy to install with the integrated universal power supply and connect via combined cable gland.

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Insulation Class









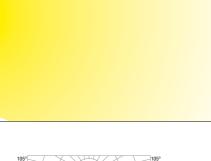


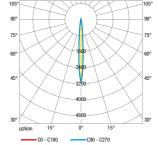


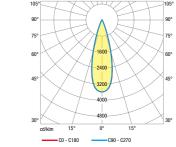
CODE	POWER CONSUMPTION	LUMEN OUTPUT (Im) 3000K / 4000K	COLOUR TEMPERATURE	A (mm)	B (mm)	H (mm)
FL9142	3W	330 / 360	3000K / 4000K	92	110	125
FL9143	6W	660 / 720	3000K / 4000K	92	110	125
FL9144	9W	990 / 1080	3000K / 4000K	140	170	250
FL9145	12W	1320 / 1440	3000K / 4000K	140	170	250
FL9146	18W	1980 / 2160	3000K / 4000K	140	170	250

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 fnish 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.
Optional Coating	Marine grade.
Accessories	Earth Spike (Stainless steel)
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	IK08

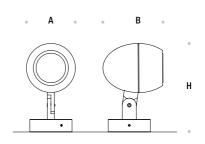
Complies with European Standards EN 60598 and CE certified.







FL9142 - FL9143



FL9144 - FL9145 - FL9146





iClax

iClax is a high output LED floodlight with perfect beam control. Glare free and available with narrow, medium and wide beam optics. Ideally suited as a spotlight for accent light from a large distance or as a floodlight for the illumination of large building facades and sculptures. Designed to last in extremely harsh environments.

Monochrome, RGB, RGBW, DMX or DALI controllable, easy to install with the integrated universal power supply and connect via combined power and data connectors.

















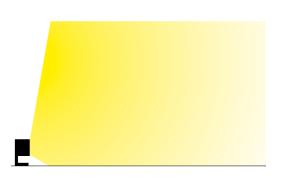


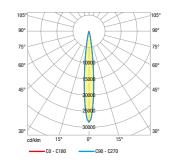


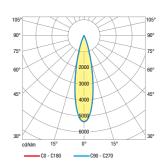


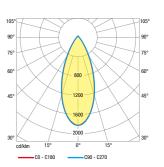
CODE	POWER CONSUMPTION	LUMEN OUTPUT (Im) 3000/4000K	COLOUR TEMPERATURE	A (mm)	B (mm)	C (mm)	F (mm)
FL9172	8W	880 / 960	3000K / 4000K	90	130	105	90
FL9174	18W	1980 / 2160	3000K / 4000K	150	190	120	110
FL9176	24W	2640 / 2880	3000K / 4000K	170	210	135	110
FL9178	32W	3520 / 3840	3000K / 4000K	200	240	150	110

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 steel with polyester powder coating.
Optional Coating	Marine grade.
Accessories	Glare Shield
Diffuser	High impact and heat resistant polycarbonate with UV protection.
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
Installation	Connection via junction boxes.
Conformity	Complies with European Standards EN 60598 and CE certified.



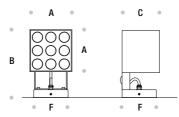






23





Glare Shield



FL9172



FL9174



FL9176





FL9178



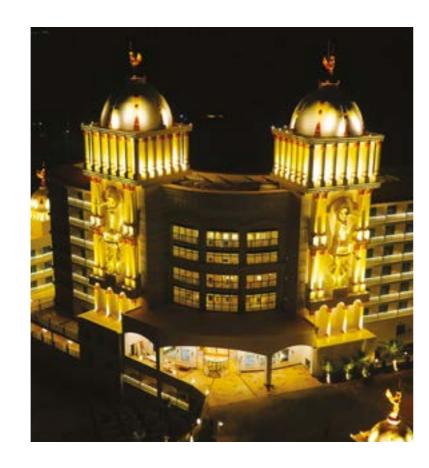
iCelia

iCelia is a stylish and versatile luminaire, ideal for general and dynamic accent, spot or food lighting of large areas with a wide selection of optics. The product is suitable for applications where a powerful light output is required. Provides exterior long throw dynamic light for building facades, bridges, shopping malls, halls, hotels and sporting facilities. Designed to last in extremely harsh environments.

RGB, RGBW, DMX or DALI controllable, easy to install with the integrated universal power supply and connect via combined power and data connectors.























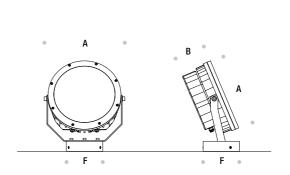


CODE	POWER CONSUMPTION	LUMEN OUTPUT (lm) 3000/4000K	A (mm)	B (mm)	F (mm)
FL9202 MONO	36W	3960 / 4320	270	110	150
FL9203 MONO	72W	7920 / 8640	270	110	150
FL9204 MONO	120W	13200 / 14400	320	130	170
FL9205 MONO	170W	18700 / 20400	320	130	170

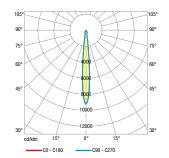
CODE	POWER CONSUMPTION	LUMEN OUTPUT (lm) RGB/RGBW	A (mm)	B (mm)	F (mm)
FL9206 RGB	36W	2160	270	110	150
FL9207 RGBW	36W	2520	270	110	150
FL9208 RGB	72W	4320	270	110	150
FL9209 RGBW	72W	5040	270	110	150
FL9210 RGB	120W	7200	320	130	170
FL9211 RGBW	120W	8400	320	130	170
FL9212 RGB	170W	10200	320	130	170
FL9213 RGBW	170W	11900	320	130	170

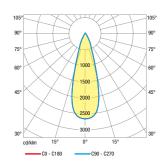
CODE	POWER CONSUMPTION	LUMEN OUTPUT (Im) 4000K	A (mm)	B (mm)	F (mm)
FL9214 DYNAMIC	36W	4320	270	110	150
FL9215 DYNAMIC	72W	8640	270	110	150
FL9216 DYNAMIC	120W	14400	320	130	170
FL9217 DYNAMIC	170W	20400	320	130	170

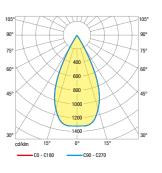
LED Type	High efficiency LEDs, available in 2700K, 3000K, 4000K, 5000K, 6500K CCT tolerance within a 3-step MacAdams ellipse and LM80 compliant.
Nominal Voltage	220V-240V AC, 50/60Hz
Color Rendering Index	CRI> 80 standard and CRI>90 on request.
Optics	Spot beam, Medium beam, Flood beam.
Materials	Corrosion 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 steel with polyester powder coating.
Optional Coating	Marine grade.
Accessories	Louvre
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	RGB DMX512 - RGBW DMX512, DALI Interface.
Protection Class	IP66
Impact Resistance	IK09
Insulation Class	Class I
Cabling and Connection	Power and Data.



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 highquality 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 custommade 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.







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 teh 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.



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).



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.



Dimmina

Device that regulates the intensity of the light



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.



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 (Im) 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

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