ILLUMINATION

Schréder

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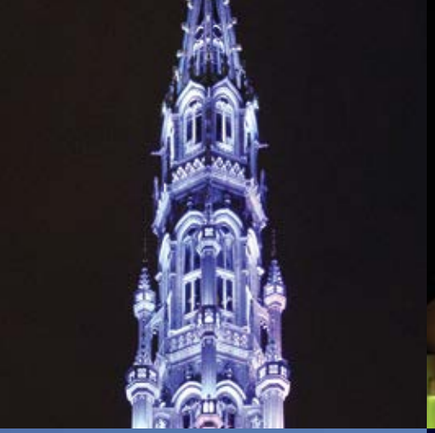
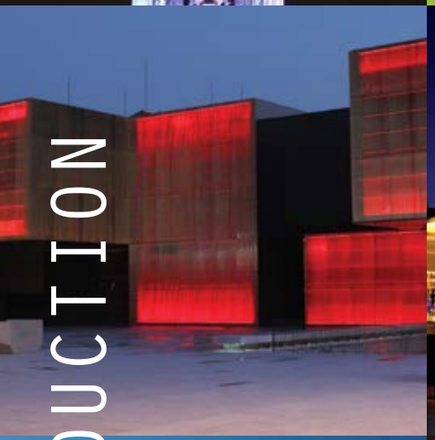
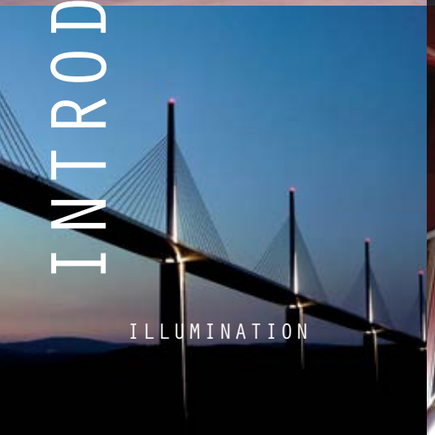
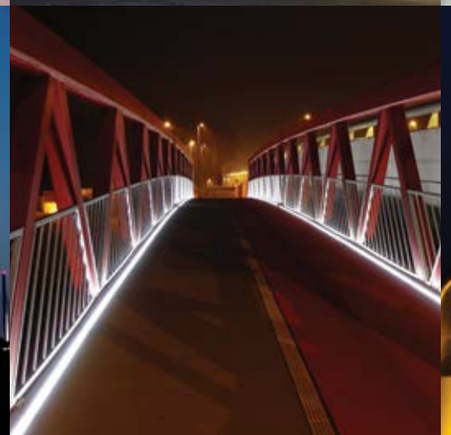
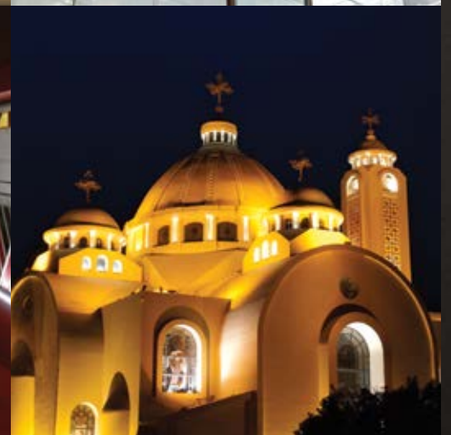


INTRODUCTION

ILLUMINATION

OUTDOOR ILLUMINATION IS AN INCREASING PRESENCE IN OUR WORLD

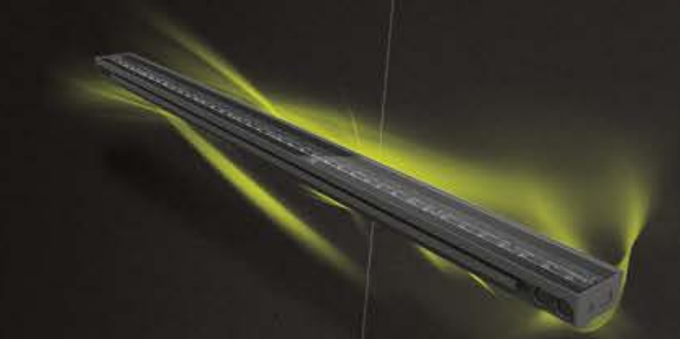
As interest in civic spaces continues to grow, the role of lighting these spaces for the people who use them is becoming ever more important.

Schréder understands that for designers, this presents a many-faceted challenge. On the one hand there are the practical considerations of safety, security, and the avoidance of light pollution. On the other, the exciting creative possibilities and the opportunity to provoke an emotional response – ranging from simply creating a pleasant ambience that people enjoy, through to the inspiration generated by schemes that tell a story about the architecture they reveal, engendering a sense of pride and ownership. Not forgetting of course, that all this must be achieved in a socially responsible and sustainable manner.

At Schréder our aspiration is to fully support this process from inception, through design development, commissioning, live support and after-care. We aim to work alongside designers, drawing on our strong competence in technologies and optics to offer highly flexible, durable solutions with the required impact and a minimum of energy consumption.

SCULPcollection

The result of intensive market research and interaction, the SCULPcollection is a unique new series of products designed to support lighting designers in realising their visions for architectural enhancement.



SCULPline

SCULPdot

SCULPflood 60

SCULPflood 150

THE SCULP CONCEPT

A truer replacement for HID, in lumen packages up to 15000lm (equivalent to 150W HID) but with all the advantages of extra long life, lower system power, minimal lumen depreciation, instant switching and easy dimming, DMX-RDM compatible, as well as a sustainable product life cycle.

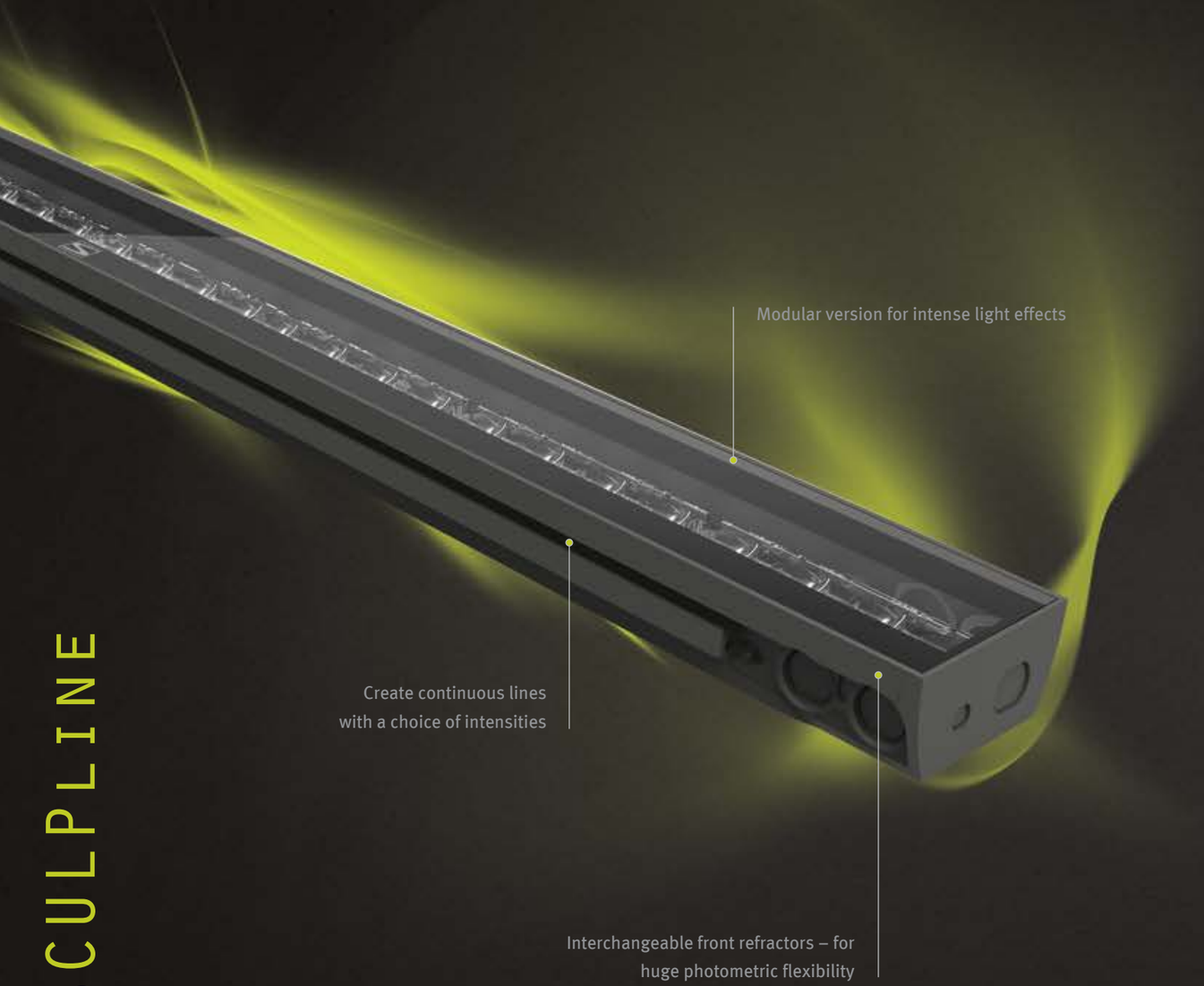
A "soft" LED effect, with single and multi-die technology combined with lenses that creates **ultra-even white colour** and softens out the hard 'edges' that have come to be associated with LED technology.

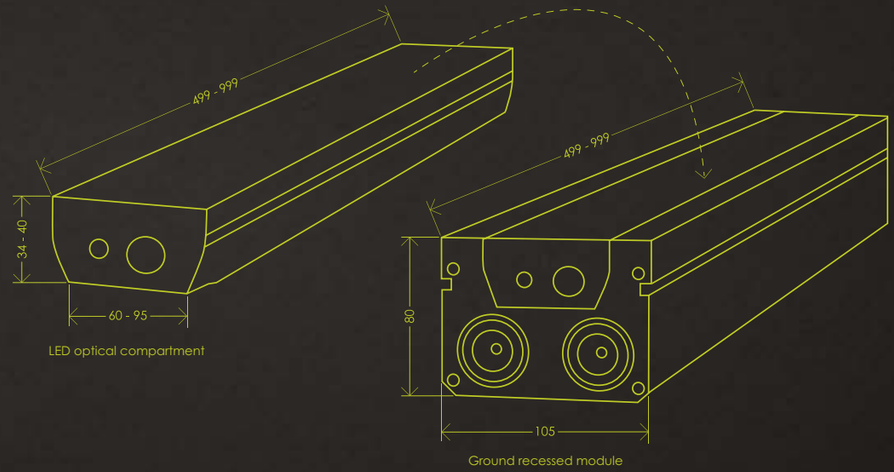
Flexibility in photometric performance – on-site. The products are supplied with standard narrow beam photometry that can be adapted by external refractors to achieve **almost any desired beam distribution.** The lit effect can be adapted in situ to tweak the design, and in the future to meet changing requirements. Refractors are fitted over the product with no front screws and **no impact to the IP or IK rating** of the product.

The SCULPcollection is a **complete family** with a range of 3 sizes in floodlight and a linear version. The styling is simple, discrete and harmonious for ease of integration into any architectural setting.

The product has been developed with a **full and extensive range of accessories** to support all application types.

GET GRAZING WITH SCULPLINE LINEAR WASH LIGHT, IN WALL MOUNT AND RECESSED VERSIONS





All dimensions are given in millimetres (mm)

SCULPline

Version	LEDs	Colour Temperature (K) / Colour	Nominal Flux (lm) / (Wattage W)*	Distribution Options	Mounting & Aiming Options	Installation Notes	Accessories	Weight (kg)	Driver & Control Options
SCULPline Symmetrical	10 or 40 LEDs/m	3000 (Warm White)	450lm/m up to 4800lm/m (max 54W/m)	Spot 8° Medium 22° Wide 27° Elliptical Photometry can be adjusted by interchangeable external refractors	Wall mount with bracket or ground recessed Optional extension arms for wall mount from 200mm to 300mm May also be integrated into handrails, columns or other architectural features Optional ground recessed version for heavy load applications	Driver and power supply are an external component that may be removed to a central location In/out control connector Mains power out to split connector Operating temperature from -20°C to 50°C	None	3 kg/m	2 sizes of power supply DMX 512 protocol with RDM functionality
		4000 (Neutral White)							
		5700 (Cool White)							
		Tunable White							
		Blue							
		RGBA							
		RGBCW							
SCULPline Asymmetrical LensoFlex®2	48/m	3000 (Warm White)	6600lm/m (max 51W/m)						
		4000 (Neutral White)							
		5700 (Cool White)							

NOTES

*The nominal flux is an indicative LED flux @ Tj 25°C based on LED manufacturer's data. The real flux output of the luminaire depends on environmental conditions (e.g. temperature and pollution) and the optical efficiency of luminaire. Nominal flux depends on the type of LED in use and likely to change in accordance with the continuous and rapid developments in LED technology.
To follow the progress of the luminous efficiency of the LEDs used, please visit our website **www.schreder.com**

MATERIALS & FINISH

Extruded aluminium, Polycarbonate end caps, Glass or Polycarbonate protector with customisable (paintable) cover plate

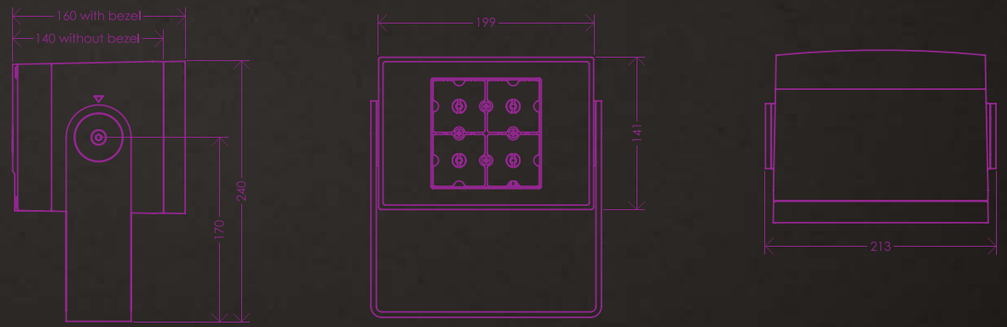
IP66
IK07 or IK08 (depending on options)
230V 50Hz
Class III for the optical block. Class I, II with adequate power supply
Surge Protection 10kV

Superb single and multi-die LED and lens combinations for even whites, and colour mixing with a soft edge beam

Up to 3000lm for high impact accent

Adaptable photometry with interchangeable front refractors – even on-site

FOCUS ON THE DETAILS WITH THE COMPACT AND POWERFUL SCULPDOT ARCHITECTURAL FLOODLIGHT



All dimensions are given in millimetres (mm)

SCULPdot

Version	LEDs	Colour Temperature (K) / Colour	Nominal Flux (lm) / (Wattage W)*	Distribution Options	Mounting & Aiming Options	Installation Notes	Accessories	Weight (kg)	Driver & Control Options
SCULPdot Monochromatic	16	3000 (Warm White)	Up to 3000lm (33W) @ 600mA	Intensive symmetrical 8° lenses as standard (12° on multi-die for colour variation) Photometry is adjusted by interchangeable external refractors Refractors are changed without opening the optical unit, and have no front screws so do not affect the IP rating	Stirrup bracket as standard Degree indicators are marked to allow for precise adjustment Options: - post-top mounting bracket - tree-strap - extension arm	In/out control connector Mains power out to split connector Operating temperature from -20°C to 50°C	Anti-glare louvre Protection grid	7	DMX 512 protocol with RDM feedback
		4000 (Neutral White)							
		5700 (Cool White)							
		Blue Other colours on request	N/A						
SCULPdot Colour Variation	1 multi-die LED (12 dies)	RGBA	1 multi-die LED (12 dies) @ 500mA						
		RGBCW							

NOTES

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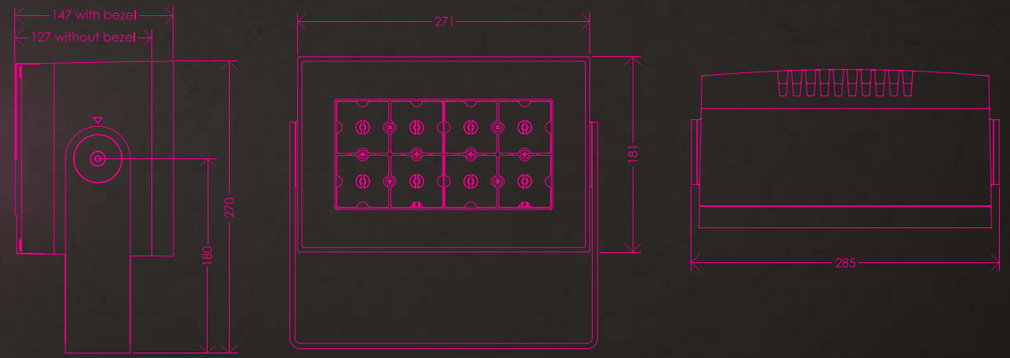
MATERIALS & FINISH

Die-cast aluminum, standard black, dark grey, and white - any RAL on demand

IP66
IK07 or IK08 (depending on options)
230V 50Hz
Class I or II
Surge Protection 10kV

PAINT YOUR WORLD WITH THE MID-SIZE SCULPFLOOD 60, PERFECT FOR ARCHITECTURAL ENHANCEMENT



All dimensions are given in millimetres (mm)

SCULPflood 60

Version	LEDs	Colour Temperature (K) / Colour	Nominal Flux (lm) / (Wattage W)*	Distribution Options	Mounting & Aiming Options	Installation Notes	Accessories	Weight (kg)	Driver & Control Options
SCULPflood60 Monochromatic	32	3000 (Warm White)	Up to 6000lm (66W) @ 600mA	Intensive symmetrical 8° lenses as standard Photometry is adjusted by interchangeable external refractors Refractors are changed without opening the optical unit, and have no front screws so do not affect the IP rating	Stirrup bracket as standard Degree indicators are marked to allow for precise adjustment Options: - post-top mounting bracket - tree-strap - extension arm	In/out control connector Mains power out to split connector Operating temperature from -20°C to 50°C	Anti-glare louvre Protection grid	8.5	DMX 512 protocol with RDM feedback
		4000 (Neutral White)							
		5700 (Cool White)							
		Blue Other colours on request	N/A						
SCULPflood60 Colour Variation		RGBA	N/A						
		RGBCW							

NOTES

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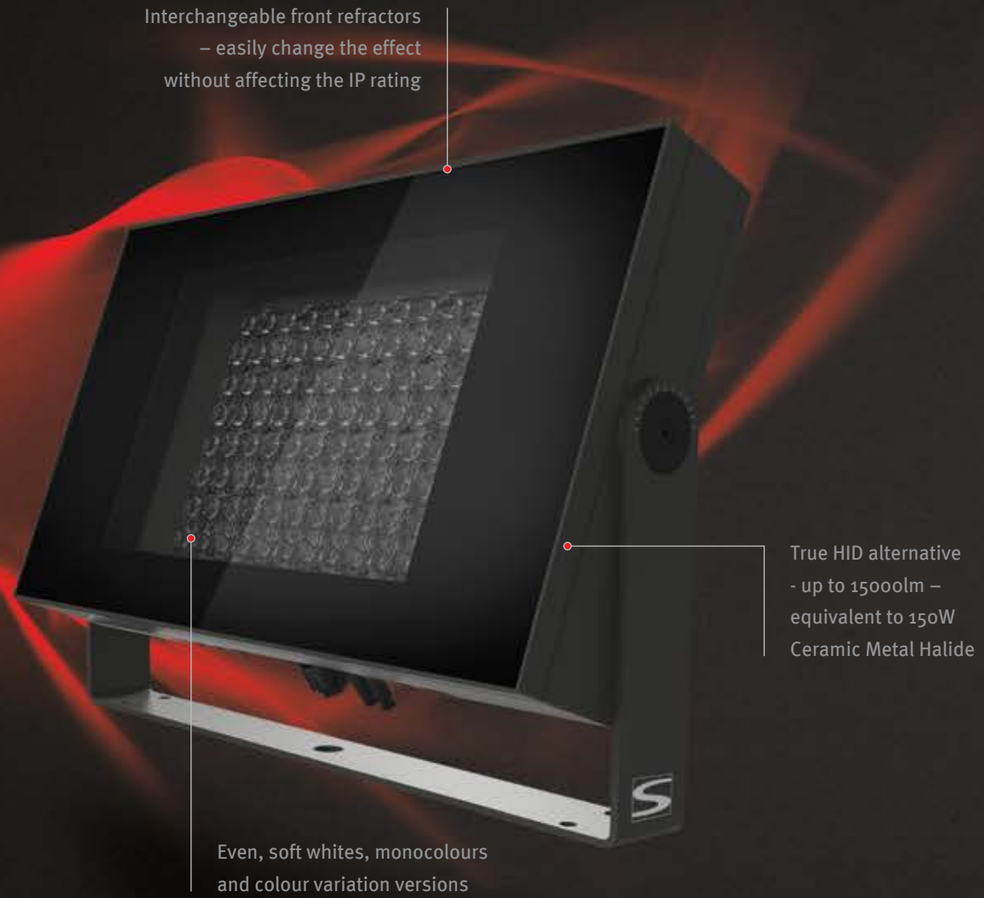
To follow the progress of the luminous efficiency of the LEDs used, please visit our website **www.schreder.com**

MATERIALS & FINISH

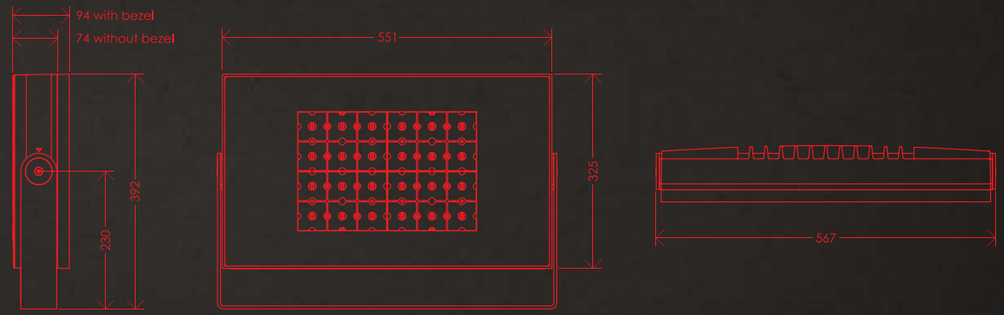
Die-cast aluminum, standard black, dark grey, and white - any RAL on demand

IP66
IK07 or IK08 (depending on options)
230V 50Hz
Class I or II
Surge Protection 10kV

SCULPFLOOD 150



POWER IT UP WITH SCULPFLOOD 150 FOR LARGE-SCALE ARCHITECTURAL ILLUMINATION



All dimensions are given in millimetres (mm)

SCULPflood 150

Version	LEDs	Colour Temperature (K) / Colour	Nominal Flux (lm) / (Wattage W)*	Distribution Options	Mounting & Aiming Options	Installation Notes	Accessories	Weight (kg)	Driver & Control Options
SCULPflood150 Monochromatic	96	3000 (Warm White)	Up to 15000lm (163W) @ 500mA	Intensive symmetrical 8° lenses as standard Photometry is adjusted by interchangeable external refractors Refractors are changed without opening the optical unit, and have no front screws so do not affect the IP rating	Stirrup bracket as standard Degree indicators are marked to allow for precise adjustment Options: - post-top mounting bracket - tree-strap - extension arm	In/out control connector Mains power out to split connector Operating temperature from -20°C to 50°C	Anti-glare louvre Protection grid	18	DMX 512 protocol with RDM feedback
		4000 (Neutral White)							
		5700 (Cool White)							
		Blue Other colours on request	N/A						
SCULPflood150 Colour Variation		RGBA	N/A						
		RGBCW							

NOTES

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MATERIALS & FINISH

Die-cast aluminum, standard black, dark grey, and white - any RAL colour on demand

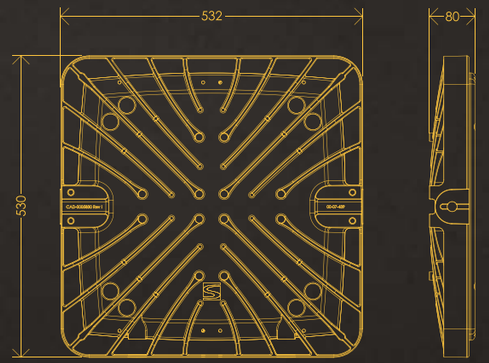
IP66
IK07 or IK08 (depending on options)
230V 50Hz
Class II
Surge Protection 10kV

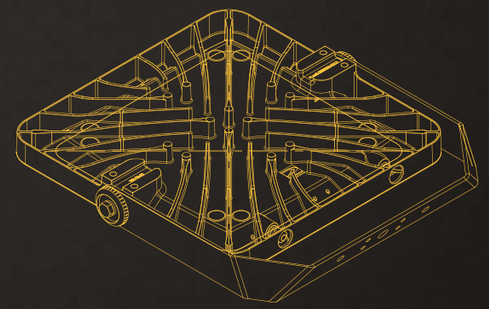
OMNIstar TO BLAST THE POWER OF LEDs FOR LARGE AREA ILLUMINATIONS OR FOCUS WITH A LONG DISTANCE BEAM

Optimised power/form factor and resistant housing

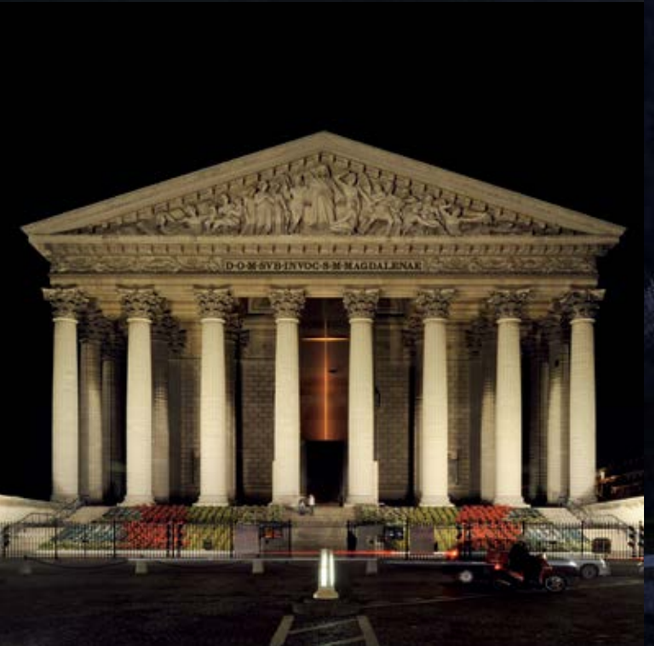
True HID replacement - up to 35000lm per unit (350W equivalent)

High-power LED luminaire for blast or intensive beam illuminations (different photometries: narrow, medium, wide)





All dimensions are given in millimetres (mm)



OMNIstar

Version	LEDs	Colour Temperature (K) / Colour	Nominal Flux (lm) / (Wattage W)*	Distribution Options	Mounting & Aiming Options	Installation Notes	Accessories	Weight (kg)	Driver & Control Options
OMNIstar	144	4200 (Neutral White) Other colours on request	up to 35,000lm @700mA (331W)	Symmetrical Extra Narrow Narrow Medium Wide	Steel bracket for post-top or suspended mounting Bracket available to accomodate 1, 2 or 3 floodlights	N/A	None	15.6 (without gearbox)	Dynamic versions controlled via DALI protocol or 0-10v

NOTES

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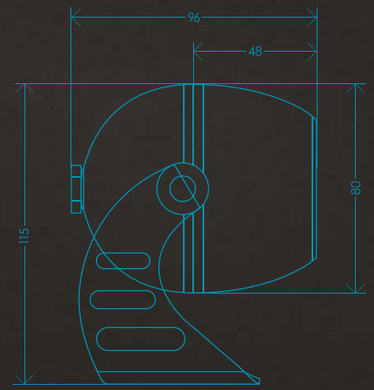
To follow the progress of the luminous efficiency of the LEDs used, please visit our website **www.schreder.com**

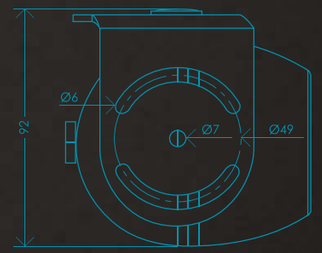
MATERIALS & FINISH

Injected aluminium body, flat glass protector and steel bracket

IP66
IK08
230V - 50Hz
Class I or II

HIGHLIGHT ONLY THE ARCHITECTURAL SPLENDOUR WITH THE ENYO MINIATURE FLOODLIGHT





All dimensions are given in millimetres (mm)

ENYO

Version	LEDs	Colour Temperature (K) / Colour	Nominal Flux (lm) / (Wattage W)*	Distribution Options	Mounting & Aiming Options	Installation Notes	Accessories	Weight (kg)	Driver & Control Options
Static	3 x 1.2W	3250 - 3750 (Warm White)	242lm @350mA	Symmetrical Extra Narrow 8° Narrow 21° Medium 29° Wide 46°	By means of a small bracket for a variety of configurations: on a wall, the ground, a ceiling or suspended and precise adjustment of the inclination	Supplied pre-cabled for power and/or DMX signal	Anti-glare louvre	0.72	Static or Dynamic (colour and/ or intensity variation) Dynamic versions controlled via DMX protocol
		4000 - 4500 (Neutral White)	262lm @350mA						
		5700 - 7000 (Cold White)	300lm @350mA						
		Red, Green, Blue or Amber	N/A						
Dynamic	1 x 3W	RGB	105lm @350mA	Symmetrical Narrow 17° Medium 31° Wide 41°					

NOTES

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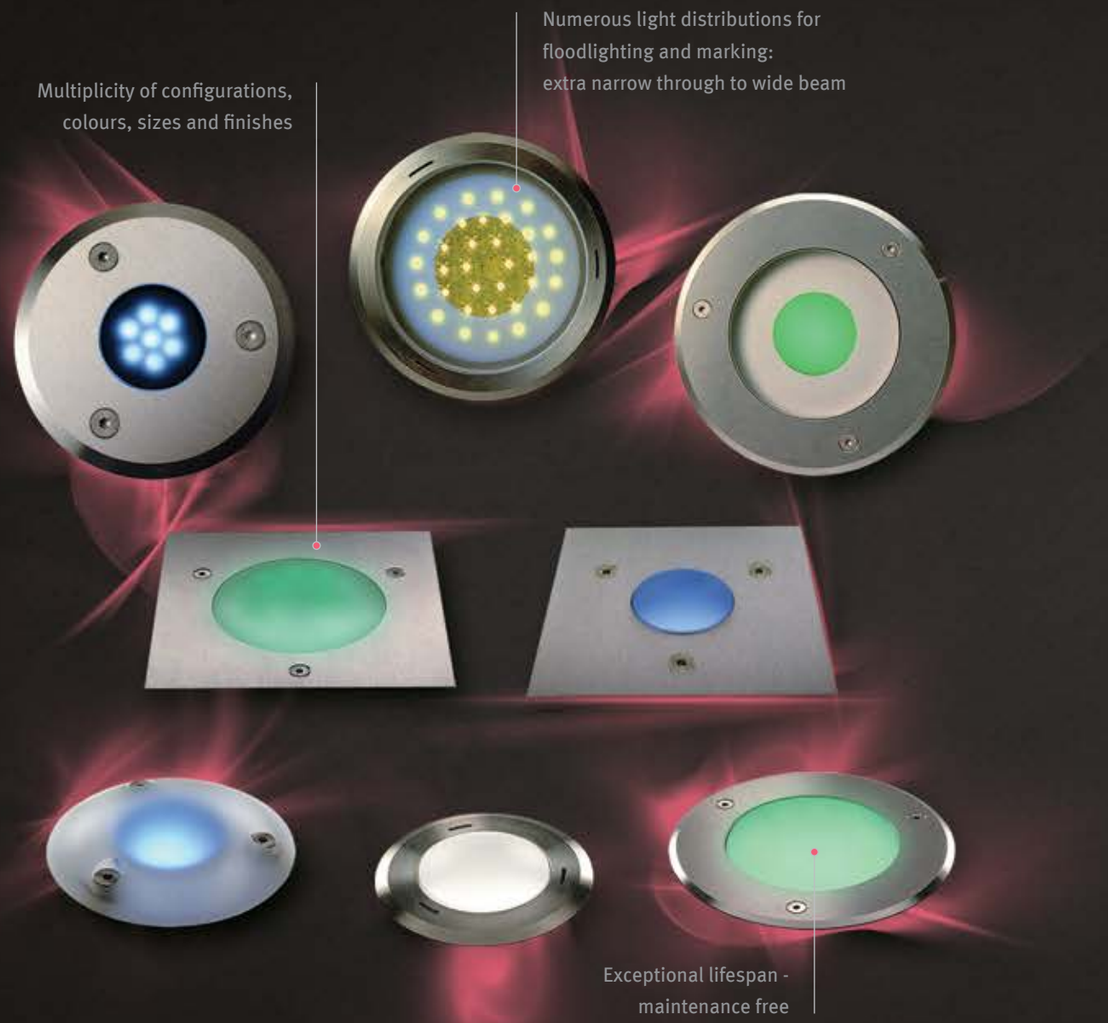
MATERIALS & FINISH

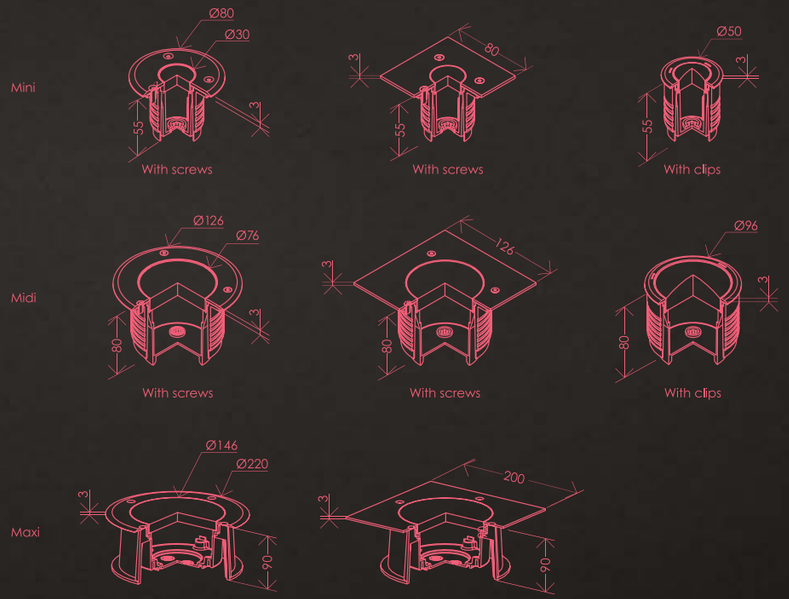
Anodised aluminium body, tempered glass protector and steel bracket

IP67
IK07
Static version: 100 - 240V / 50 - 60Hz
Dynamic version: 12V
Class II



NOCTIS

UNLEASH YOUR CREATIVITY WITH NOCTIS, THE ULTIMATE RANGE OF RECESSED FLOODLIGHTS AND MARKERS



All dimensions are given in millimetres (mm)

NOCTIS

Version	LEDs	Colour Temperature (K) / Colour	Nominal Flux (lm) / (Wattage W)*	Distribution Options*	Mounting & Aiming Options	Installation Notes	Accessories	Weight (kg)	Driver & Control Options
Mini	1	3250 - 3500 (Warm White)	up to 100lm	Symmetrical Elliptic 8 x 47° Narrow 6° Medium 32° Wide 90	Recessed in ground, walls or ceilings Static load resistance: ‹1,000kg Mini ‹2,000kg Midi + Maxi	Installation kit Total recess depth: Mini & Midi 300mm Maxi 350mm	Dichroïc filter PMMA protector Vandal proof clips	0.3	Static or Dynamic (colour and/ or intensity variation) Dynamic versions controlled via DMX protocol
		4000 - 4250 (Neutral White)	up to 114lm						
		6350 - 7000 (Cold White)	up to 130lm						
		Red, Green or Blue	N/A						
Midi	3 high-power or 30 low-power	3250 - 3500 (Warm White)	up to 300lm					1.5	
		4000 - 4250 (Neutral White)	up to 342lm						
		6350 - 7000 (Cold White)	up to 390lm						
		Red, Green or Blue	N/A						
		RGB	N/A						
Maxi	6	3250 - 3500 (Warm White)	up to 600lm					3.9	
		4000 - 4250 (Neutral White)	up to 684lm						
		6350 - 7000 (Cold White)	up to 780lm						
		Red, Green or Blue	N/A						
		RGB	N/A						

NOTES

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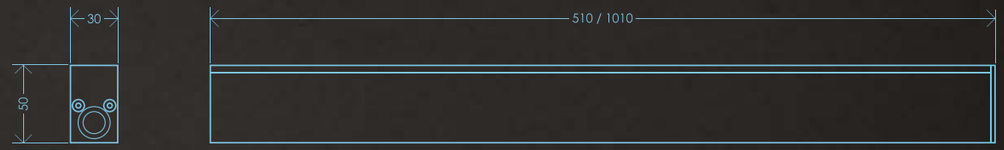
MATERIALS & FINISH

Stainless steel or aluminium body, curved of flat glass protector; transparent or frosted

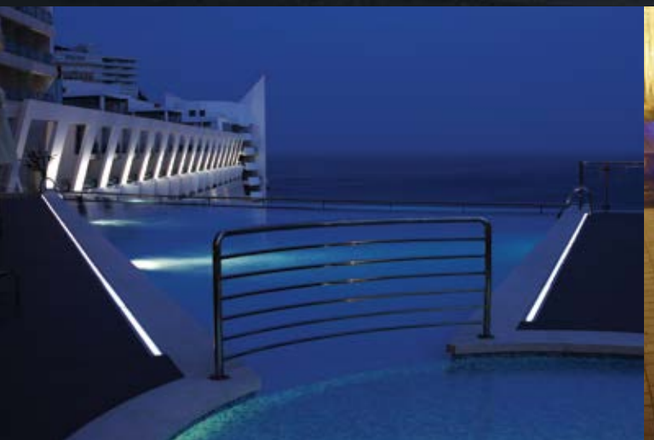
IP67
IK10
Static load resistance: ‹ 500kg
24 - 230V - Class II
24V - Class III

WALK THE LINE WITH LIMARK, A LOW POWERED LED STRIP LIGHT FOR ACCENT OR MARKING



All dimensions are given in millimetres (mm)

LIMARK



LIMARK

Version	LEDs	Colour Temperature (K) / Colour	Nominal Flux (lm) / (Wattage W)*	Distribution Options	Mounting & Aiming Options	Installation Notes	Accessories	Weight (kg)	Driver & Control Options
Limark 1 (510mm)	60 x 0.07W	3050 (Warm White)	374lm/m (8.64W/m)	Symmetrical Suitable for low power accent or marking	Ground recessed May be installed as a continuous line or individual sections	The optical unit is connected to the mounting profile with an easy-click system Static load Resistance <500kg	None	0.6	Maximum of 2 x 8 x Limark 2 units per 150W power supply
		4100 (Neutral White)	405lm/m (8.64W/m)						
		6000 (Cool White)	437lm/m (8.64W/m)						
		Red, Green, Blue, Royal Blue or Amber	9.4W/m						
Limark 2 (1010mm)	120 x 0.07W	3050 (Warm White)	374lm/m (8.64W/m)					1.2	
		4100 (Neutral White)	405lm/m (8.64W/m)						
		6000 (Cool White)	437lm/m (8.64W/m)						
		Red, Green, Blue, Royal Blue or Amber	9.4W/m						

NOTES

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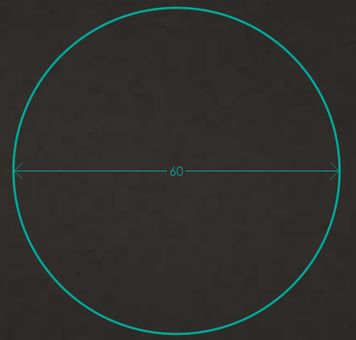
MATERIALS & FINISH

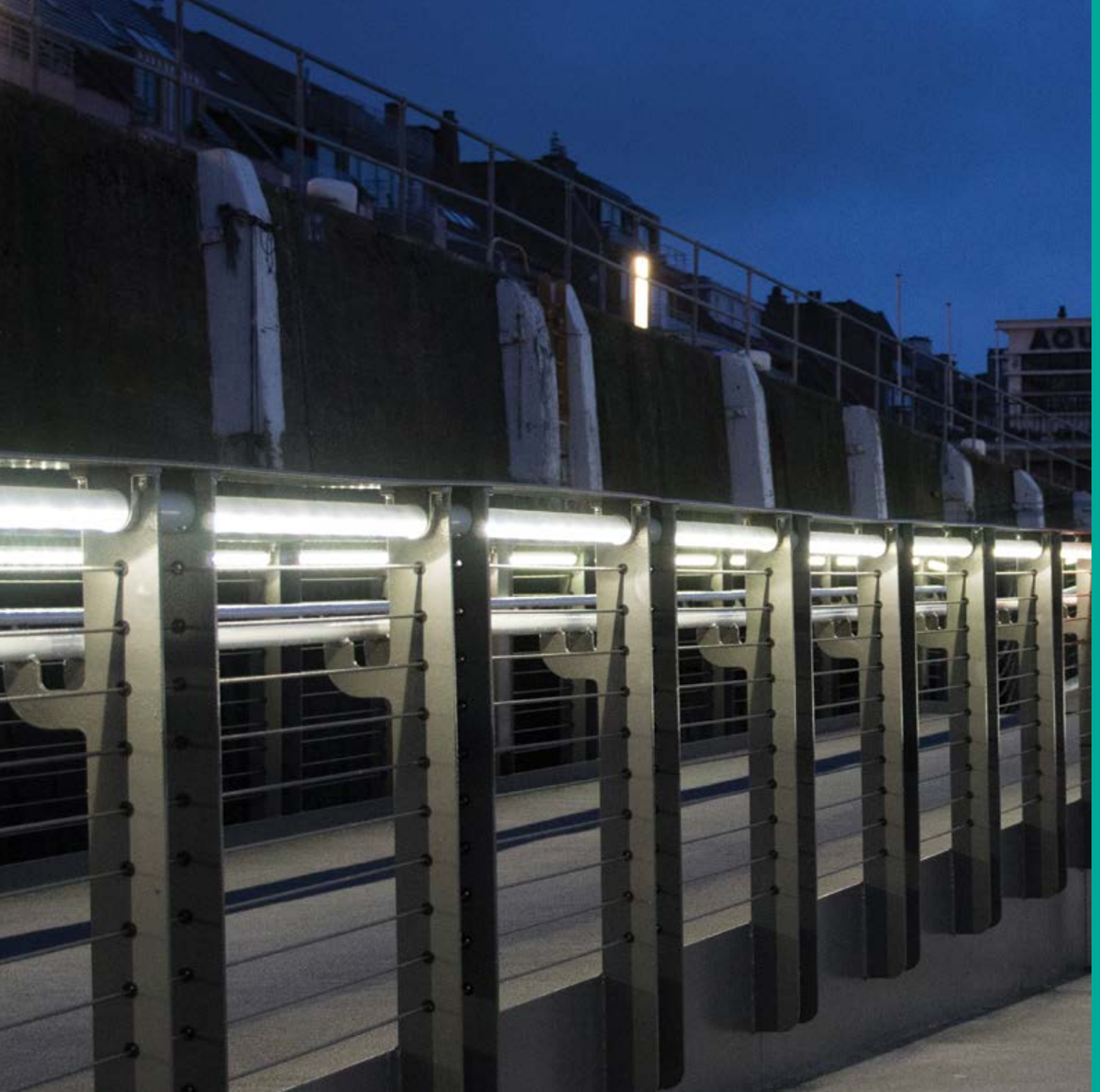
Anodised aluminum body, frosted polycarbonate optical unit

IP67
IK09
24V DC
Class III

HOLD ON TIGHT - IT'S SIXTYLINE, A ROBUST MULTI-PURPOSE ILLUMINATED HANDRAIL



All dimensions are given in millimetres (mm)



SIXTYLINE

Version	LEDs	Colour Temperature (K) / Colour	Nominal Flux (lm) / (Wattage W)*	Distribution Options	Mounting & Aiming Options	Installation Notes	Accessories	Weight (kg)	Driver & Control Options
1000mm	10 LEDs/m up to 20 LEDs/m	3000 (Warm White)	up to 1878 lm/m (up to 28.8W/m)	Symmetrical Narrow 15° Medium 30° Wide 95° Asymmetrical Elliptical	Stand-alone handrail or integration in existing handrail Tiltable (requires tool)	May be installed as a continuous line or individual sections	None	0.6kg/m	Internal 350mA driver
		4000 (Neutral White)	up to 2140 lm/m (up to 28.8W/m)						
2000mm		5500 (Cool White)	up to 2440 lm/m (up to 28.8W/m)						
		Option: Mono colours	N/A						

NOTES

*The nominal flux is an indicative LED flux @ tj 25°C based on LED manufacturer's data. The real flux output of the luminaire depends on environmental conditions (e.g. temperature and pollution) and the optical efficiency of luminaire. Nominal flux depends on the type of LED in use and likely to change in accordance with the continuous and rapid developments in LED technology.
To follow the progress of the luminous efficiency of the LEDs used, please visit our website **www.schreder.com**

MATERIALS & FINISH

UV coated polycarbonate optical unit. Die-cast aluminium end caps and mounting brackets

IP67
IK10
230V 50Hz
Class II
Surge protection 10kV

LIGHTING SOLUTIONS

FOR SAFE COMFORTABLE AND SUSTAINABLE ENVIRONMENTS

Schréder is a multinational company consisting of 48 local companies, spanning 5 continents and employing 2600 people. We share a common belief that quality solutions in outdoor lighting contribute to sustainable well-being of rural and urban communities in which they were installed. We have illuminated some of the most prestigious architectural sites in the world, from the Coliseum in Rome, to the Grand Place in Brussels, the Oscar Niemeyer museum in Brazil and the Bund in Shanghai.

Our approach is based on four core values to ensure that this goal is always achieved.

SAFETY

We meet all the relevant standards for safety and anti-vandalism. All our products are tested to the relevant European Standards, including, but not limited to EN60598 and EN62262.

WELL-BEING

We focus on products that offer visual enhancement. We aim to support projects that transform civic spaces and enrich lives.

SAVINGS

We aim to provide the best combination of light provided for energy consumed, while creating the desired effect. Our complete solutions incorporate the latest technologies to monitor and control your illuminations whilst significantly reducing energy and maintenance costs.

SUSTAINABILITY

We focus on technologies that offer energy savings compared to conventional techniques. We use Product Environmental Profile (PEP) to analyse and improve our product life cycle from design to recycling.

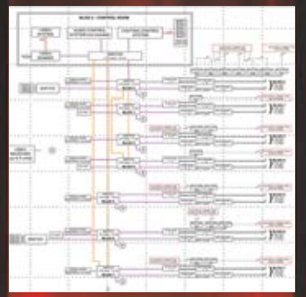
WHAT WE OFFER

We aim to be a one-stop partner; from design to after-sales services, including light, intelligent control systems, urban furniture, finance and many more smart features. Through the design process we coordinate with all the design team, offering:

CONCEPT & CREATIVE DESIGN

- 2D & 3D rendering support
- Visualisations of lit effect based on photometry

DETAILED DESIGN



- Development of engineering solutions including:
  - Luminaires
  - Control systems
  - Fixings
- Modelling of energy efficiencies and savings

INSTALLATION

- Commissioning support
- On-site training and coaching

CONTROL

- Live support
- AV projection
- Webcam
- WiFi
- Remote monitoring

AFTERSALES

- Maintenance
- Customisation

www.schreder.com

Schréder