



We want to operate in a sustainable way, with respect for the planet, communities and people





We bring meaningful moments to people by enhancing safety, well-being and **sustainability** in public spaces

#lightability

Overview

- Latest developments regarding our Glassfibre Reinforce Polyester (GRP) Pole Range
- New solar lighting range
- LED optics
- New smart sports lighting control (Schréder ITERRA)
- New lighting management system (Schréder EXEDRA)





Introduction

Market Leaders

Africa's leading manufacturer of Luminaires and Glass Fibre Reinforced Polyester (GRP) Poles

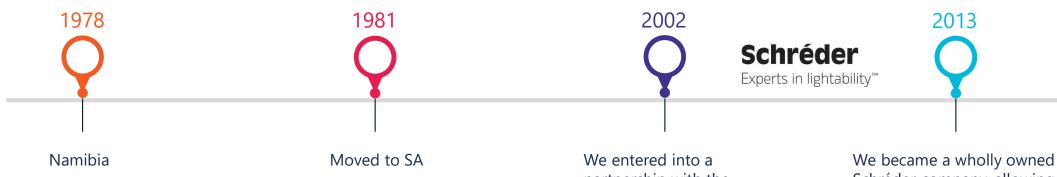






Introduction

Origin





We entered into a partnership with the Belgian company Schréder, a multinational lighting company.

We became a wholly owned Schréder company, allowing us to embrace the latest technologies, such as optimising light control technologies, for which Schréder are well renowned

Introduction

Local Employment





B-BBEE Level 4



Introduction

Providing lighting solutions for safe, comfortable and sustainable environments with local knowledgeable teams with integrated global networks.



Quality Guaranteed

BEKA Schréder became SA's first lighting company to be awarded ISO 9000 certification. This commitment to quality became the company's hallmark, enabling us to become Africa's largest lighting manufacturer and market leader in exterior lighting.



Committed to Save Energy

By combining the best of LED technology with a wide range of control systems, our solutions can offer huge energy savings of up to 85% and radically reduce the payback time of a new installation.



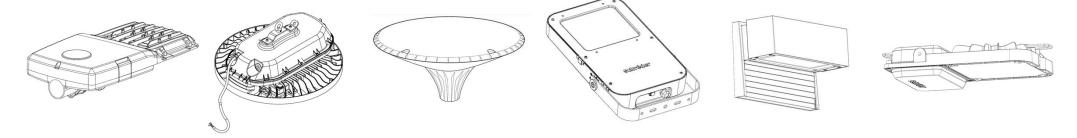
Inhouse R&D

Our success can be attributed to the research and development of our luminaire and pole ranges, ensuring the appropriate mechanical and thermal product integrity in the environmental conditions of the African continent.

Introduction

Localized production with innovation and technology driving high quality products across all segments.

Product Snapshots



Lighting Solution Offer





"Our market strength means customer orientation. We strive to meet our customer expectations while we have the lighting expertise of over 40 years locally and over 110 years globally. We live a strategic culture of innovation."

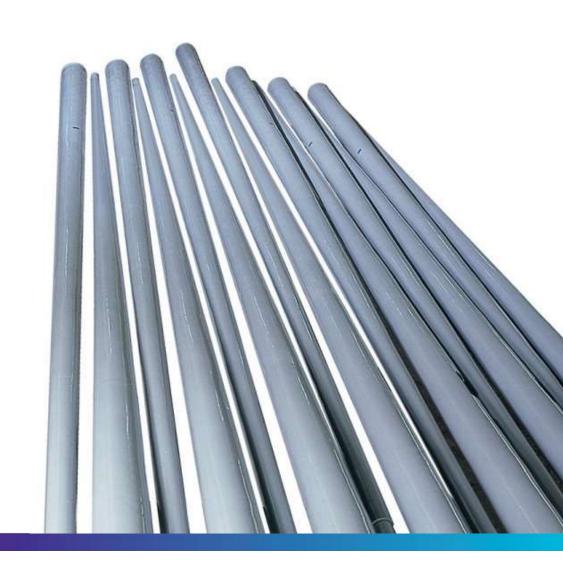
Daniel Kasper

General Manager at BEKA Schréder

BEKAPOLE

Glassfibre Reinforced Polyester (GRP) Pole Range





BEKAPOLE

Applications

The BEKAPOLE is a GRP Pole range and is used not only for its resistance to corrosion, but is preferred by architects, developers and local authorities for its aesthetic appearance, strength, ease of installation and inherent safety for road users.



KEY ADVANTAGES



Light Weight



Versatility



Vandal Resistant



Non-Conductive



Non-Corrosive



Low Inertia



Maintenance-Free



High Bending Strength



Longevity



Sustainable







We offer **sustainable** GRP poles which is not only non-corrosive, maintenance free and light weight but strong enough to project your lighting investment...



APPLICATIONS



Off-grid Areas



Urban & Residential Streets



Car Parks



Squares & Pedestrian Areas



Bike & Pedestrian Paths



Security Lighting



Highmast Lighting



Service Station







SOLARPOLE

Integrated LED solar lighting solution





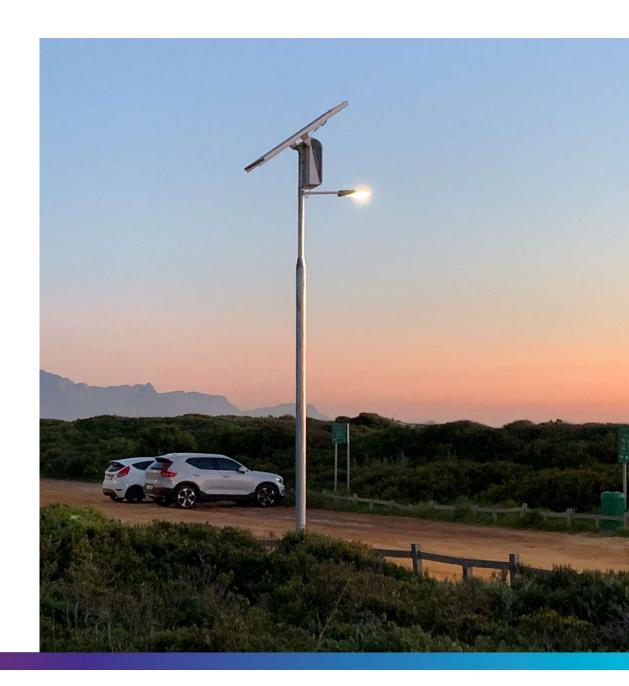




BEKA SOLAR

LED solar lighting solution





BEKA SOLAR



Standard version IP 66 Max. 80W



Median version IP 66 Max. 160W



Post top version IP 66 37W



SOLARFLOOD



Single unit IP 66 Max. 80W



Mast layout IP 66 Max. 480W

Configuration Matrix

		ZIYA-E 4650lm 30W						ZIYA-1 5340tm 36W						ZIYA-1 8060 lm 53W										
Solar module rated at 25°C								160W			260W				260W									
Optidim		4					100% light output			2			100% light output			100% light output		5			2			
Battery technologies		210Ah	B4Ah	100Ah	75Ah	105Ah	100Ah	84Ah	78Ah	+- 105Ah	210Ah	100Ah	75Ah	105Ah	210Ah	100Ah	B4Ah	75Ah	100Ah	210Ah	100Ah	TOAh	B4Ah	210Ah
Autonomy days	5	16	4	(6	4	3		3	3	2	4	40	3	2	4	3	2	2	2	2	3	2	2	3
Geographical lo	cation																							
Angola	Huambo	~	V	V	~	~	~	~	~	V	348	~	~	~	V	~	V	~	V	V	V	~	~	~
	Luanda	/	/	1	1	1	/	~	~	~	-	V	~	~	~	1	/	/	1	1	~	~	~	~
Botswana	Gaborone	/	/	V	~	~	/	~	~	V	~	~	/	/	-	~	~	~	~	1	~	~	/	~
	Shakawe	/	~	1	~	V	1	1	1	1	/	1	1	1	20	1	1	1	1	1	1	4	1	1
DRC	Lumbumbashi	1	1	~	1	~	~	1	~	1		1	1	1	1	1	/	~	1	1	1	1	1	1
	Kinshasa	1	1	1	1	1	1	1	1	1	-	-	-	~	1	4	1	~	1	1	1	1	1	1
eSwatini	Mbabane	~	~	V	V	V	~	~	~	/	-	0.50		V	-	V	/	~	V	~	~	~	~	~
Ivory Coast	Abidjan	V	~	V	/	~	V	V	~	V	-	-	-	V	-	V	~	~	1	~	V	~	~	~
Kenya	Nairobi	V	~	V	/	V	~	V	~	V	-	~	V	V	~	~	~	~	/	~	~	~	~	~
Malawi	Lilongwe	V	V	V	V	V	V	V	V	V	V	V	V	V	-	V	V	~	V	V	V	~	V	~
Mauritius	Agalea	V	~	V	V	V	/	V	~	V	V	V	V	V	20	V	V	~	~	~	~	~	V	~
Mozambique	Pemba	V	V	V	/	/	~	V	~	V		~	/	V	V	~	/	~	~	~	~	~	/	1
	Maputo	V	~	V	~	V	~	/	~	/	V	~	~	~	_ 28	V	/	~	/	~	~	~	~	~
Namibia	Windhoek	V	V	V	/	V	/	~	/	/	/	1	V	V	-	~	/	~	~	V	V	~	/	~
	Tsumeb	V	~	V	/	V	~	~	~	V	~	~	V	V		~	~	~	~	~	~	~	V	~
Nigeria.	Kaduna	~	~	V	V	V	~	~	~	~	~	~	V	V	-	V	V	~	~	V	~	~	~	~
	Lagos	~	~	V	V	~	~	V	/	~		0.53	2.5	V	V	V	~	~	~	~	~	V	~	~
Senegal	Dakar	V	V	V	~	~	~	V	V	~	-	-	-	~	-	V	~	~	~	~	~	V	~	~
South Africa	Cape Town	V	~	V	/	V	~	~	/	~	-	(- c	188	V	~	~	~	/	~	~	~	~	~	~
	Durban	V	V	V	V	V	V	V	V	V	V	V	V	V	-	V	~	~	~	V	V	V	V	V
	Gqeberha	V	~	V	V	V	~	~	/	~	V	V	V	V	20	V	~	V	~	~	~	~	V	V
	Kuruman	V	V	~	~	~	~	V	/	/	V	V	~	~	-	V	~	/	/	~	~	V	~	1
	Pretoria	~	~	~	/	V	~	~	/	/	V	~	~	~	_ 20	~	~	/	~	~	~	~	~	~
	Thabazimbi	~	V	~	/	~	~	V	/	~	~	1	V	V	-	V	/	/	~	V	~	V	~	/
Tanzania	Dar Es Salaam	~	V	~	/	/	/	/	/	/	~	/	/	~	-	V	/	/	/	/	~	/	/	/
Zambia	Lusaka	V	/	V	/	/	/	/	/	/	-	V	~	V	V	V	/	/	/	/	~	/	/	/

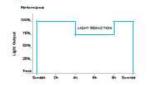
10 BEKA SOLAR

		ZIYA-	106801	n 72W	ZIYA-2 12366lm 80W						
Solar module rated at 25°C			260W		260W						
Optidim		(5)	(9	(7	(9)			
Battery technologies		100Ah	+ - 210Ah	100Ah	100Ah	+ - 210Ah	100Ah	+ - 210Ah			
Autonomy day	· (_)	32	3	3	2	2	2	2			
Geographical I	ocation										
100-040	Huambo	~	V	/	~	V	64.9	84.5			
Angola	Luanda	/	/	/	1	~	125	150			
	Gaborone	~	~	/	~	~	-	-			
Botswana	Shakawe	1	1	1	~	~	128	128			
	Lumburnbashi	~	1	/	~	~	-13				
DRC	Kinshasa	~	1	-	-	-	~	-			
eSwatini	Mbabane	~	-	~	V	V	170	372			
Ivory Coast	Abidjan	V	-	V	V	~	-				
Kenya	Nairobi	/	V	~	V	-	-8	~			
Malawi	Lilongwe	V	V	V	V	V	-	-			
Mauritius	Agalea	V	V	V	V	V	(2)	10-27			
	Pemba	V	V	/	~	/	-	-			
Mozambique	Maputo	~	~	~	~	V	823	323			
Maria Shira	Windhoek	~	~	V	~	V	-	-			
Namibia	Tsumeb	V	~	V	V	V		-5500			
	Kaduna	~	~	V	~	V	-	-			
Nigeria	Lagos	~	~	/	V	-	1.0	V			
Senegal	Dakar	~	-	V	~	V	-				
	Cape Town	~	~	-	V		1-0	V			
	Ourban	1	V	V	V	V	-	-			
South Africa	Gqeberha	~	~	V	V	V	(4)	(-)			
annul Allius	Kuruman	1	V	V	~	V	-	-			
	Pretoria	~	~	~	~	V		120			
	Thabazimbi	~	~	V	~	V	-				
Tanzania	Dar Es Salaam	~	~	/	/	/		- 14.5000			
Zambia	Lusaka	/	/	/	/	V					

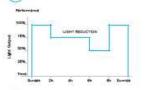
		9	ZELA 532	20lm 37\	N							
	160	w		260W								
	(100% light output								
210Ah	100Ah	75Ah	+ - 105Ah	+ - 210Ah	100Ah	84Ah	75A					
4	4	3	2	4	3	2	2					
120	_	_	V	_	l Na	~	_					
-27	~	~	~	~	1.0	~	~					
~	/	~	_	15.	123	~	/					
1	1	/	~	1.5	195	1	1					
-	/	/	/	/	1	1	1					
-		-	1	1	-	~	~					
-	-			0.50	V	~	~					
-	-	-	-	-	V	~	~					
0.50	~	V	V	~	[83:54	~	~					
V	V	V	V	-	-	V	~					
V	V	V	V	1848	[822	V	~					
-	V	V	V	V	-	V	~					
~	V	V	V	020	3820	~	~					
~	~	✓	~	-	-	V	V					
V	V	V	~	1255		V	V					
V	~	V	~	-	~	V	V					
-	-	-	~	V	-	V	V					
-	-	-	-	-	~	V	V					
-	-	-	V	V	~	V	V					
~	V	V	V	-	-	V	V					
~	~	V	~	100	-	V	V					
~	~	V	~	-	-	V	V					
~	~	V	~	223	3.2	V	V					
V	~	V	~	-	-	V	V					
~	~	V	V		-	V	V					
-	~	~	V	V	-	V	~					

Optidim Profiles

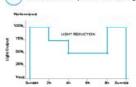




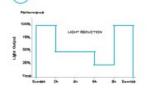




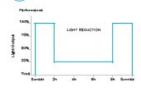
5 Power Consumption: 75% average



7 Power Consumption: 65% average



9 Power Consumption: 55% average



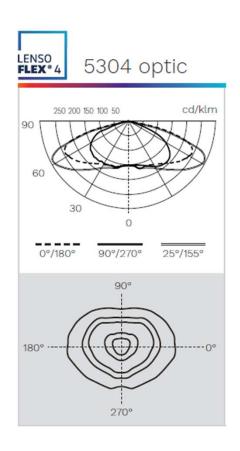


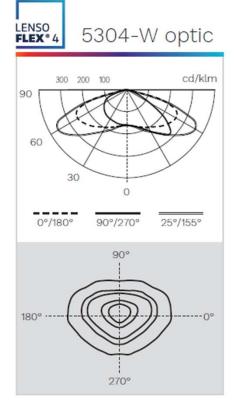
We offer off grid **sustainable,** functional & aesthetic solutions for various applications, with integrated and non-integrated solar components

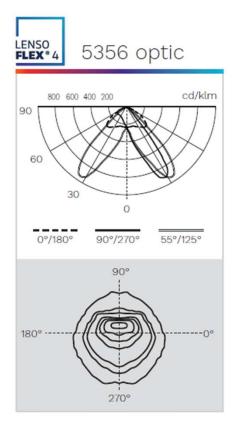


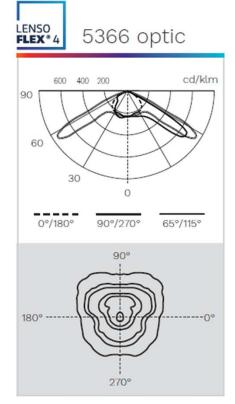
LATEST LED OPTICS

LIGHT DISTRIBUTIONS









LENSOFLEX®4

LensoFlex® 4 maximises the heritage of the LensoFlex® concept with a very compact yet powerful photometric engine based upon the addition principle of photometric distribution.

The number of LEDs in combination with the driving current determines the intensity level of the light distribution.

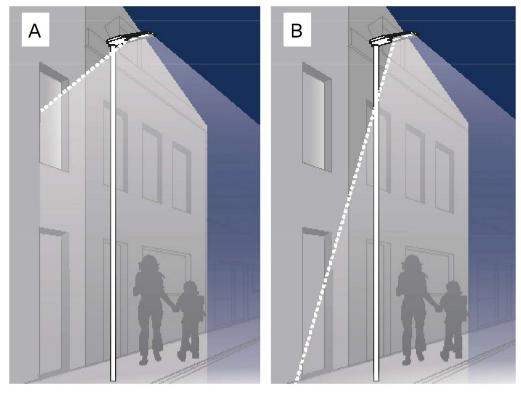
With optimised light distributions and very high efficiency, this fourth generation enables the products to be downsized to meet application requirements with an optimised solution in terms of investment.



LENSOFLEX®4

Back Light control (optional)

The LensoFlex®4 modules can be equipped with a Back Light control louvre. This additional feature minimizes spill light towards the back of the luminaire to avoid intrusive light towards surrounding buildings.



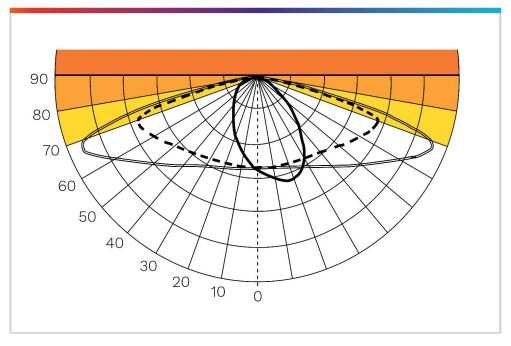
A. Without Back Light control | B. With Back Light control

LENSOFLEX®4

Anti-glare louvre (optional)

For high visual comfort, the antiglare louvre enables a significant glare reduction in case of low glare requirements.

It is designed to cut the light at high angles to still provide very efficient lighting while maintaining exceptional visual comfort.



Anti-glare louvre cuts off light above 70°



We offer a **sustainable** optical system with a powerful photometric engine with optimal photometric distribution that gives you light control, distribution and the reduction of light pollution...



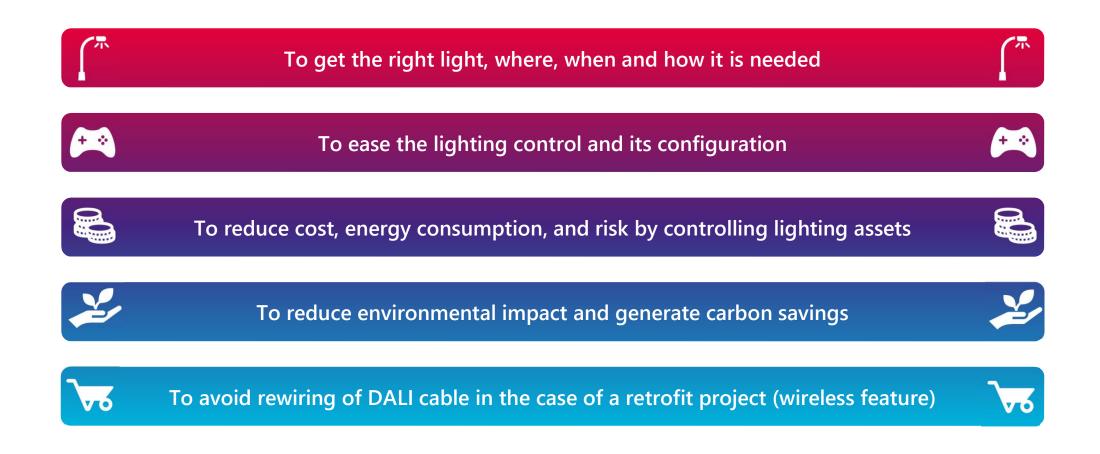
Schréder ITERRA

Smart sports lighting control solution



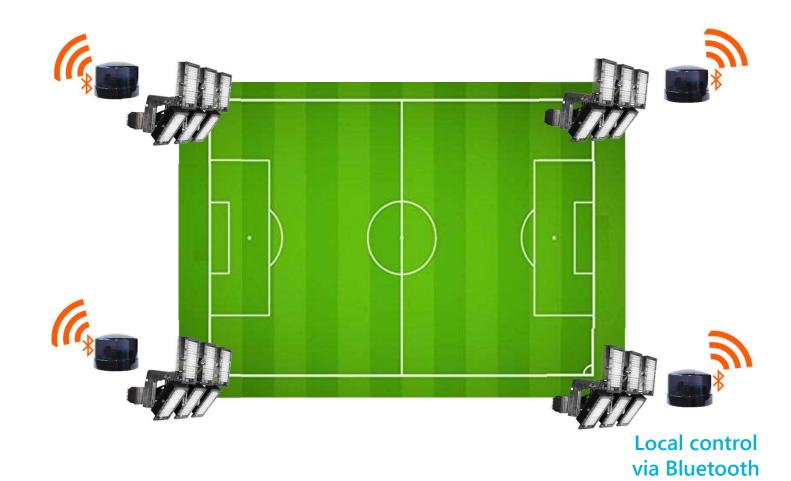


WHY INTEGRATING A CONTROL SYSTEM IS IMPORTANT?









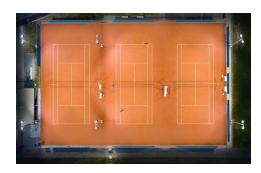
APPLICATIONS

Football Rugby / Hockey Baseball





Tennis Padel



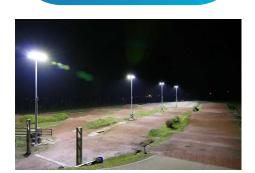


Multisports Playgrounds





Other outdoor recreational sports facilities







LUMINAIRE COMPATIBILITY

All DALI2 luminaires

OMNIBLAST-E



LEDFLOOD



OMNIFLOOD



LEDNOVA



LEDLUME



LEDLUME XP



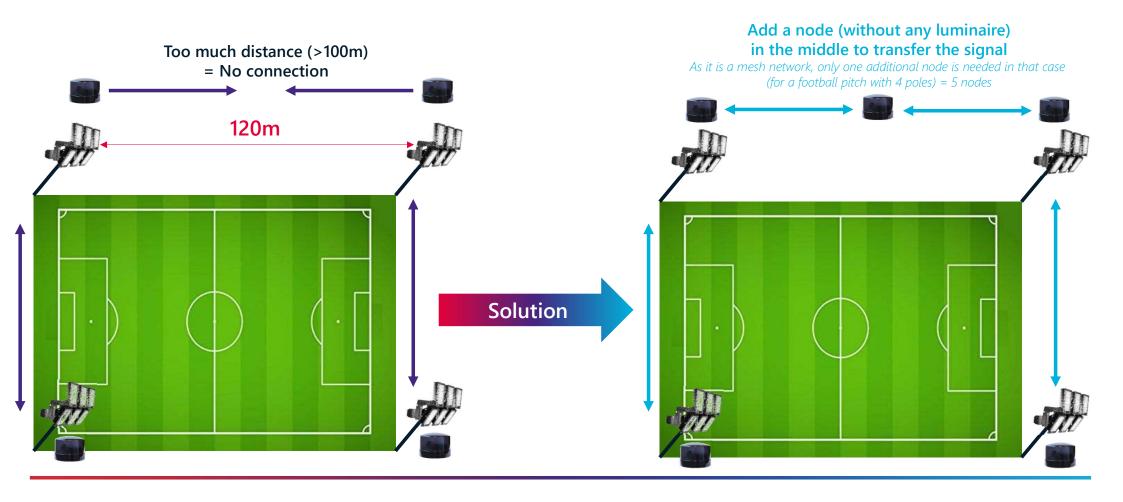
KAZELLE



LEDBAY



WHAT IF I HAVE MORE THAN 100M?



CAPABILITIES



USP



QUICK & EASY IMPLEMENTATION



OPEN TECHNOLOGIES & STANDARDS



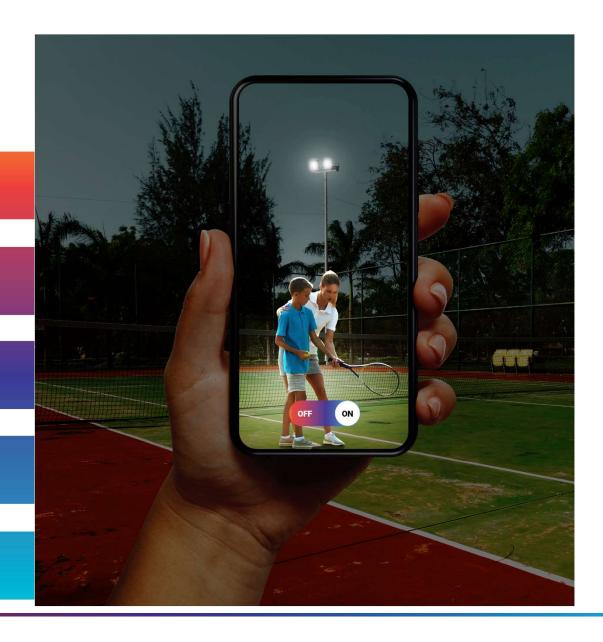
OUTSTANDING USER EXPERIENCE



FUTUREPROOF



COST EFFECTIVE



LUMINAIRES TAB



See and control all your luminaires

Create groups based on your needs

Turn on/off all your luminaire with one tap

Dim your luminaires & groups by sliding

GALLERY TAB



Most natural way of controlling your luminaires

Upload or take pictures from your device

Define luminaires place on the pictures

Control & dim directly from the picture

SCENES TAB



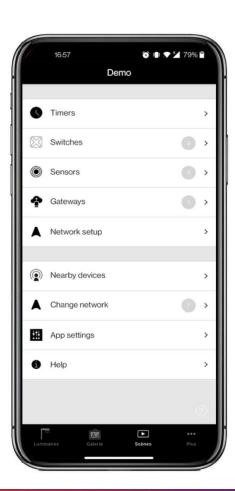
Create scenes for different occasions

Perfect to pre-set match, training, maintenance lighting

Create lighting animations and loops

Control & dim directly the scenes & animation

MORE TAB



Schedule your lighting based on time

Configure your ITERRA press

Organize your network and settings

Modify the application settings

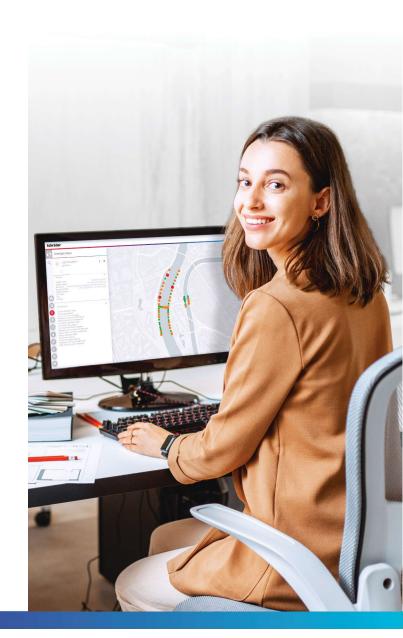


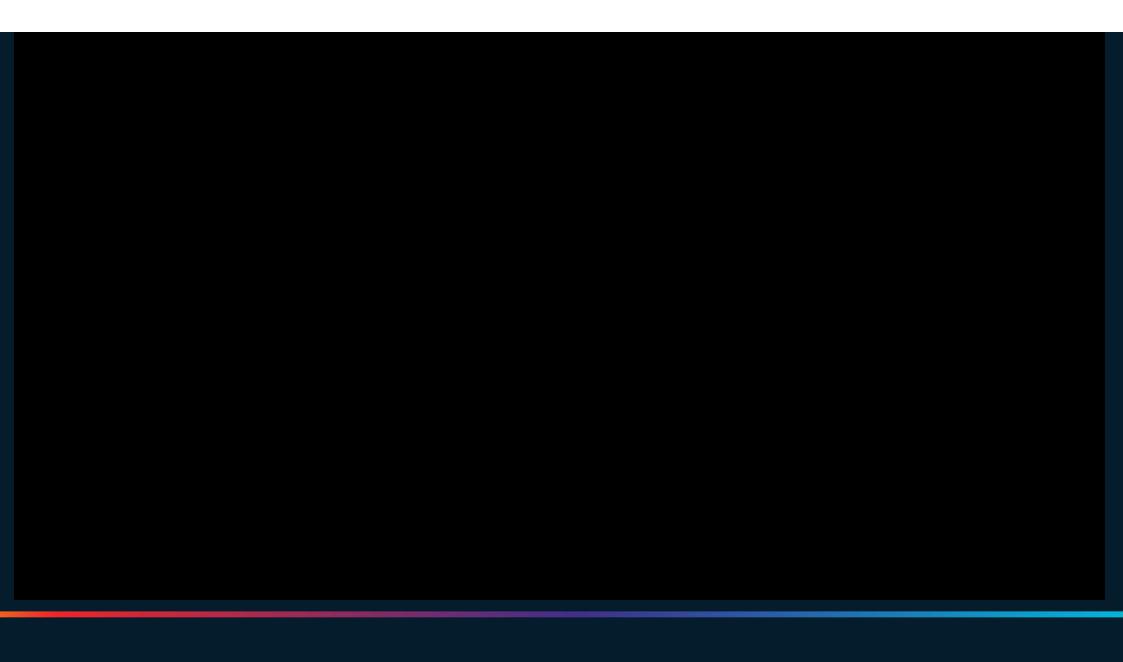
We offer **sustainable** wireless control system to reduce cost, energy consumption and controlling your lighting assets to your needs...



Schréder EXEDRA

The ultimate smart lighting City Management System (CMS)







Schréder EXEDRA

EXEDRA

Understanding the platform

DATA MANAGEMENT



GATEWAYS



USER INTERFACE

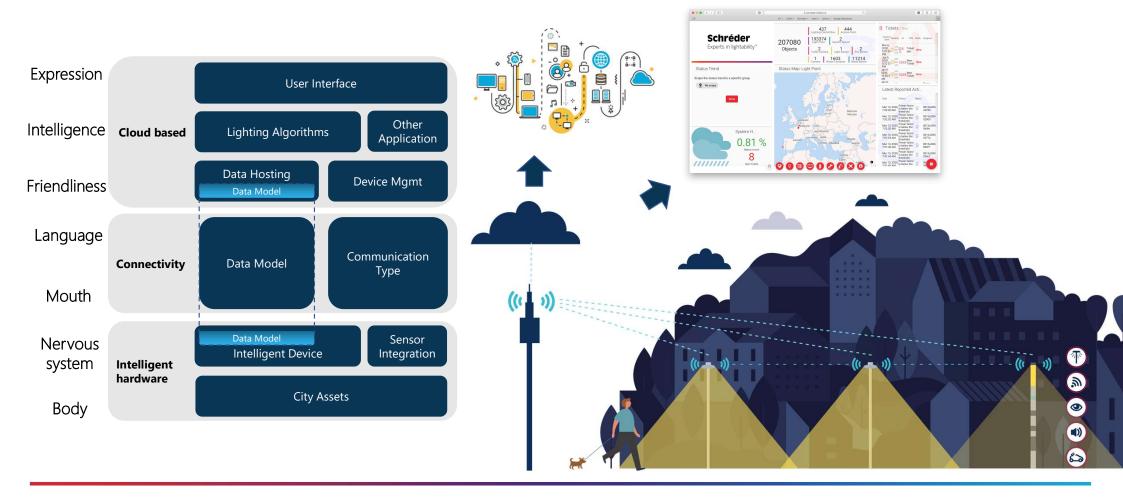






A bit about IoT technology





City-wide connectivity







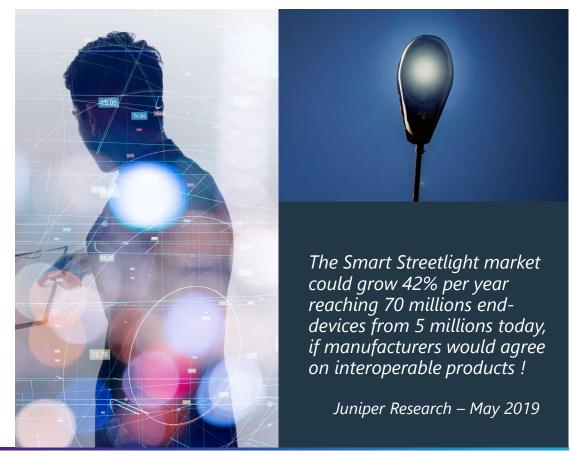
The main challenge for smarter cities



Today, 82% of smart city initiatives fail due to a lack of maturity and openness

Cities, utilities and system integrators:

- Have **no control** on the data generated by sensors and are **dependant** on solution provider
- Spend money and effort on integrating APIs and trying to understand proprietary data formats
- Decide not to deploy rather than commit public money to single-source supplier systems



Technology to enable a smart city journey

Breaking the silos: all layers remain open and futureproof





All for your convenience



A plug-and-play solution

An **intelligent automated commissioning process** recognises, verifies and retrieves the luminaire device data into the User Interface.

Auto-detection

All asset data is automatically brought into the system via an RFID tag.

Geolocation

The precise positioning of the node is automatically imported to the User Interface.

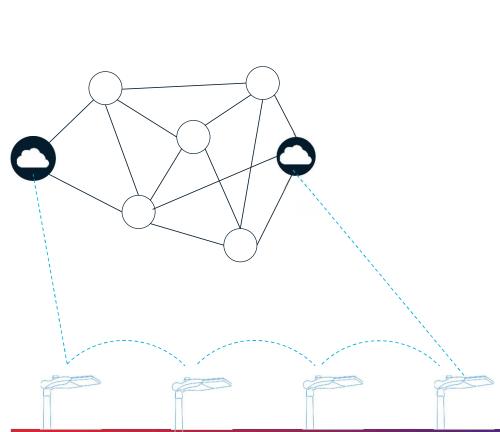


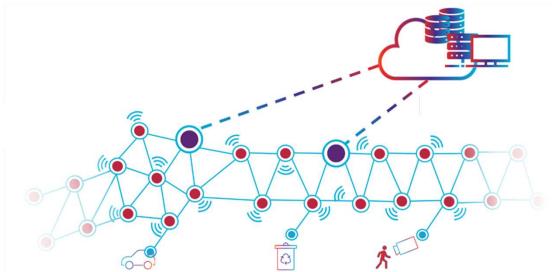


All for your convenience



A self-healing network





Integrated dynamic lighting

The mesh network enables **sensors to be linked to groups of luminaires** in order to create high-added value light-on-demand scenarios.

Take the asset management to the next level User-friendly and feature complete User Interface (UI)





Fully configurable dashboard



Energy consumption management



Integrated inventory and device management



Ticketing system



Device status and real-time insight/control



Automation



Lighting schedules



User Management



Dynamic lighting



Multi-tenant



Reports, alarms and data analytics



Application solution



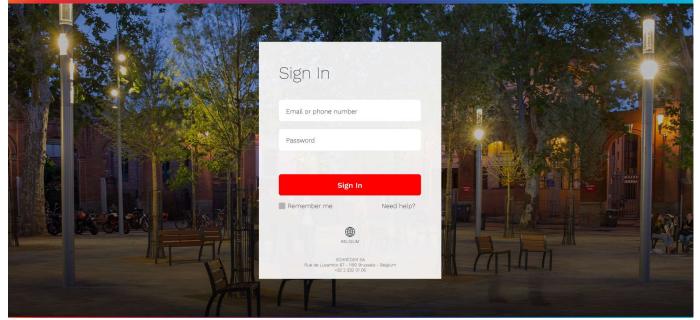


Providing end-to-end security



From the controller to the user





© Schréder 2020



Secure Login

- Compatible active directory
- Two-step authentication

User Access Rights based on:

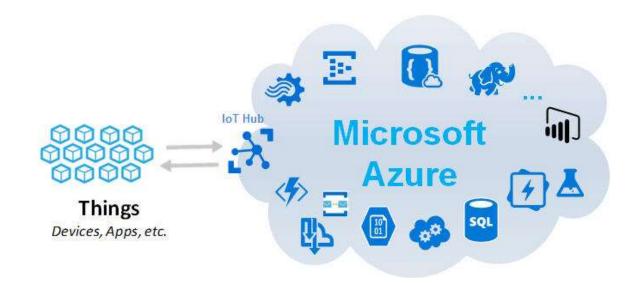
- Geographical areas
- Type of objects
- Features



Security, reliability and scalability



Data processed and managed with a leading company in cloud computing





- Scalable
- Ruggedized
- Secure
- Adaptable

Building, testing, deploying, and managing applications and services through Microsoft-managed data centers.



A 5-star solution



Unique combination of advanced technology and customer-friendly features











- NEMA & ZHAGA
- UCIFI DATA MODEL
- LWM2M STANDARD
- OPEN DATA MODEL
- 3RD PARTY DEVICES
- TALQ2 COMPATIBLE

- MULTI-DALI
- LAST GASP MESSAGE
- DYNAMIC LIGHTING
- SENSORS

- GATEWAYLESS
- AUTO COMMISSIONING
- AUTO-INVENTORY

- ASSET MANAGEMENT
- DATA ANALYSIS
- REPORTS
- ALARMS
- AUTOMATION

- OTA FIRMWARE
 - **UPDATE**
- END-TO-END
 SECURITY
- MICROSOFT CLOUD



We offer a **sustainable** smart lighting city management system to reduce cost, energy consumption, with full control over your lighting assets



We bring meaningful moments to people by enhancing safety, well-being and **sustainability** in public spaces

This is only part of our Sustainability offer we pass on to you...

Experts in lightability™

THANK YOU