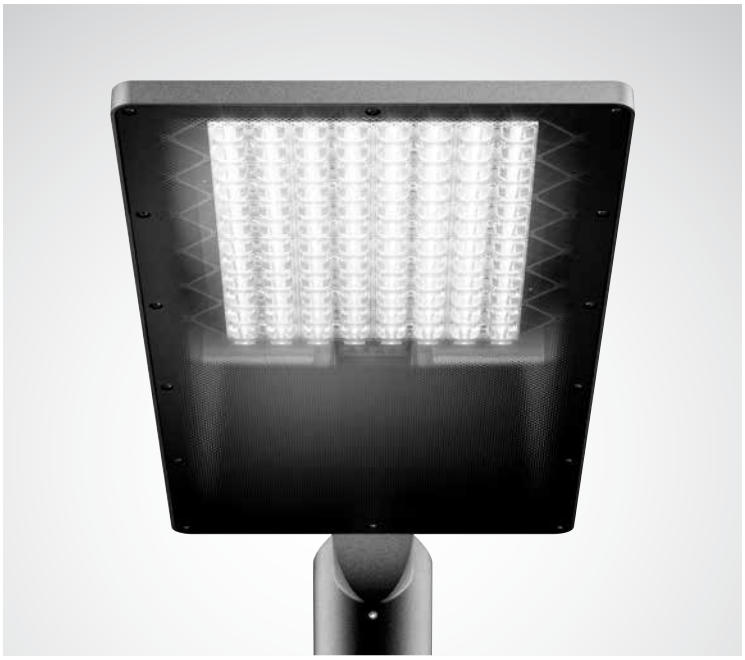
TRILUX
SIMPLIFY YOUR LIGHT.

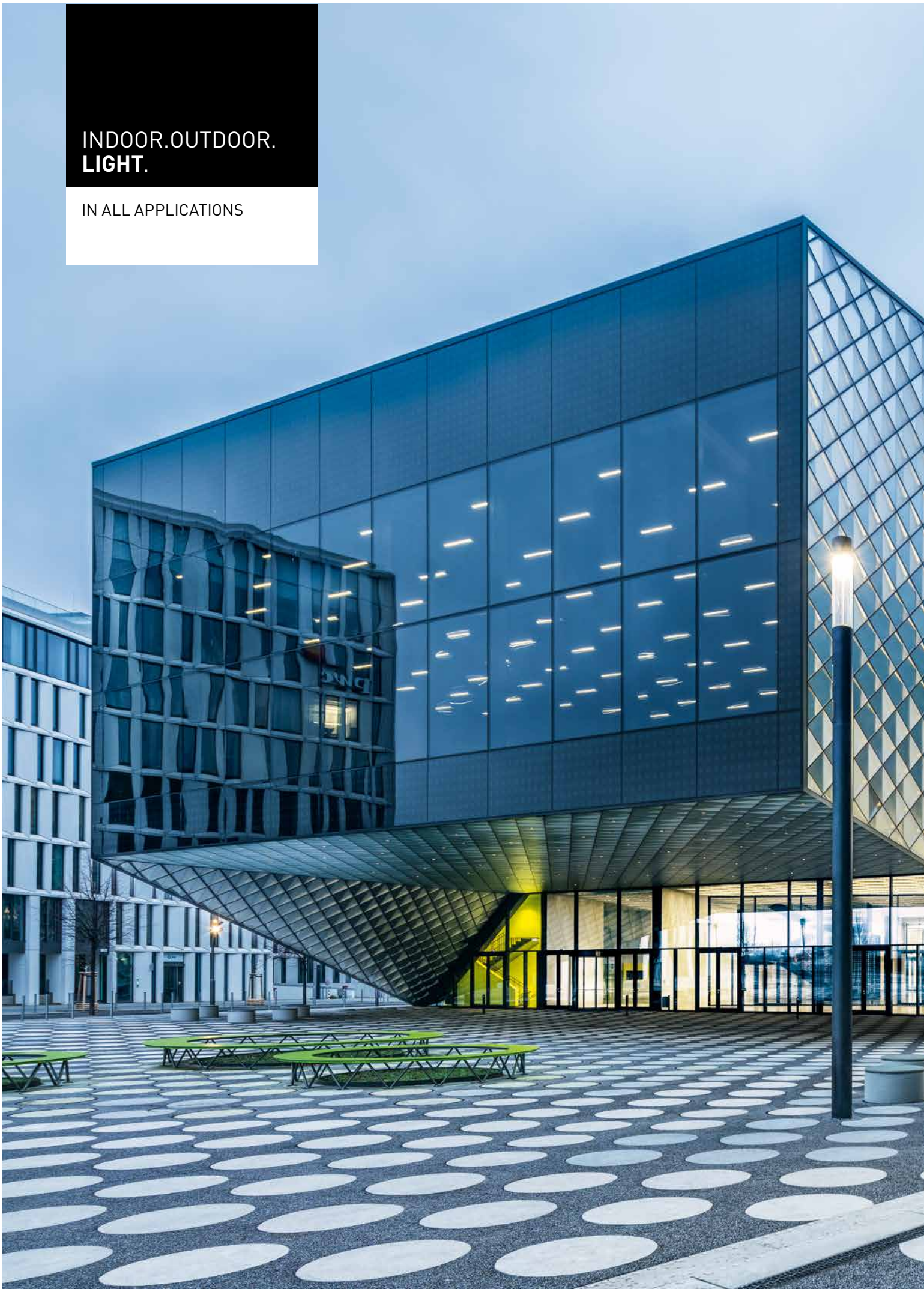
JOVIE LED

FLEXIBLE, ATTRACTIVE
AND FIT FOR THE FUTURE

JOVIE LED

SLIM DESIGN,
BIG IMPACT





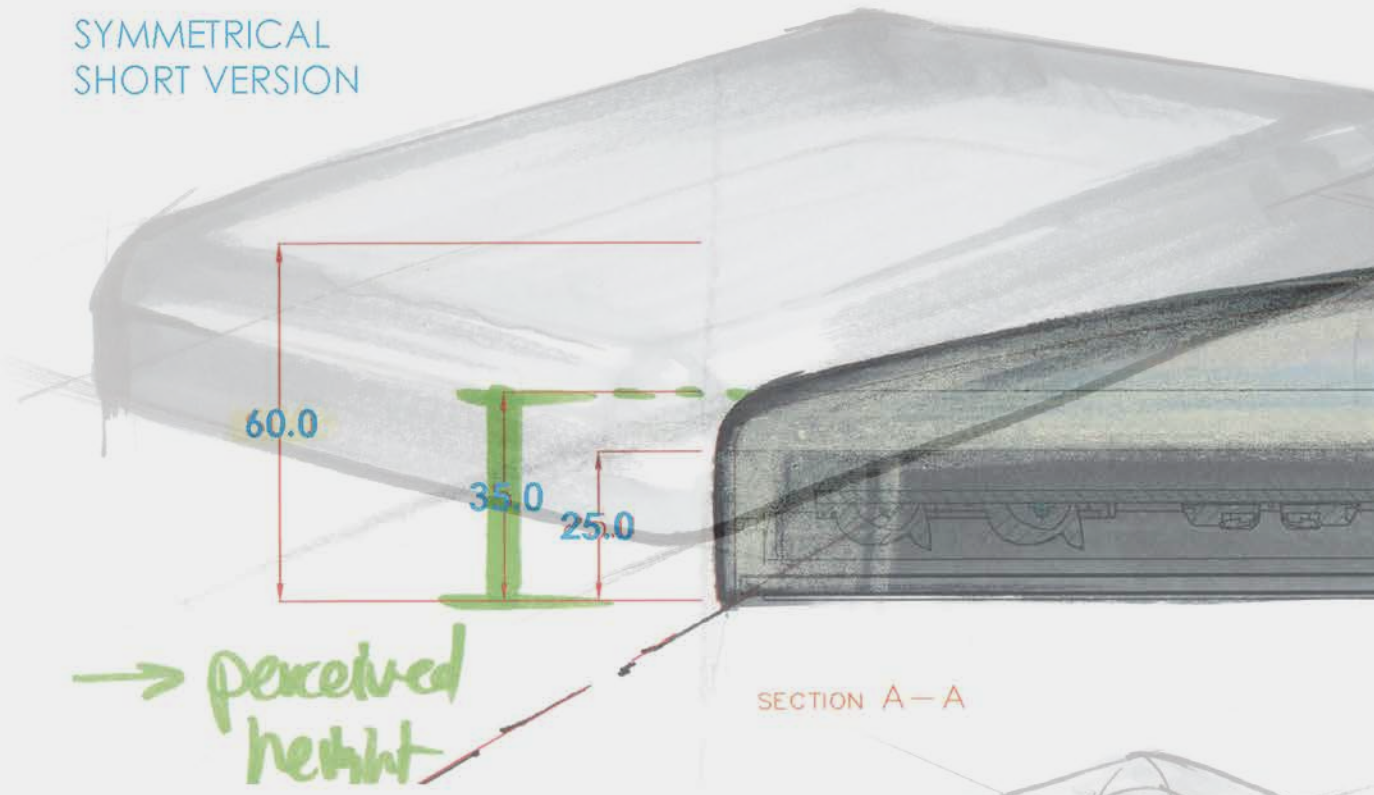
INDOOR.OUTDOOR.
LIGHT.

IN ALL APPLICATIONS

TRILUX offers pioneering lighting solutions for office, industry, retail, education, health & care and outdoor applications. With its complete product portfolio for light around buildings, TRILUX becomes a full supplier and enables lighting concepts for both the interior and exterior of buildings from a single source.

Lighting installations for paths and circulation zones around the building provide not only orientation but also safety and security, as well as helping to avoid theft and vandalism. Shops and administrative buildings also gain differentiation and individuality via accent lighting. Light however offers much more than the classic functions of lighting: which is why we dedicate ourselves today to such topics as New Work, Smart City, Connectivity and Industry 4.0.

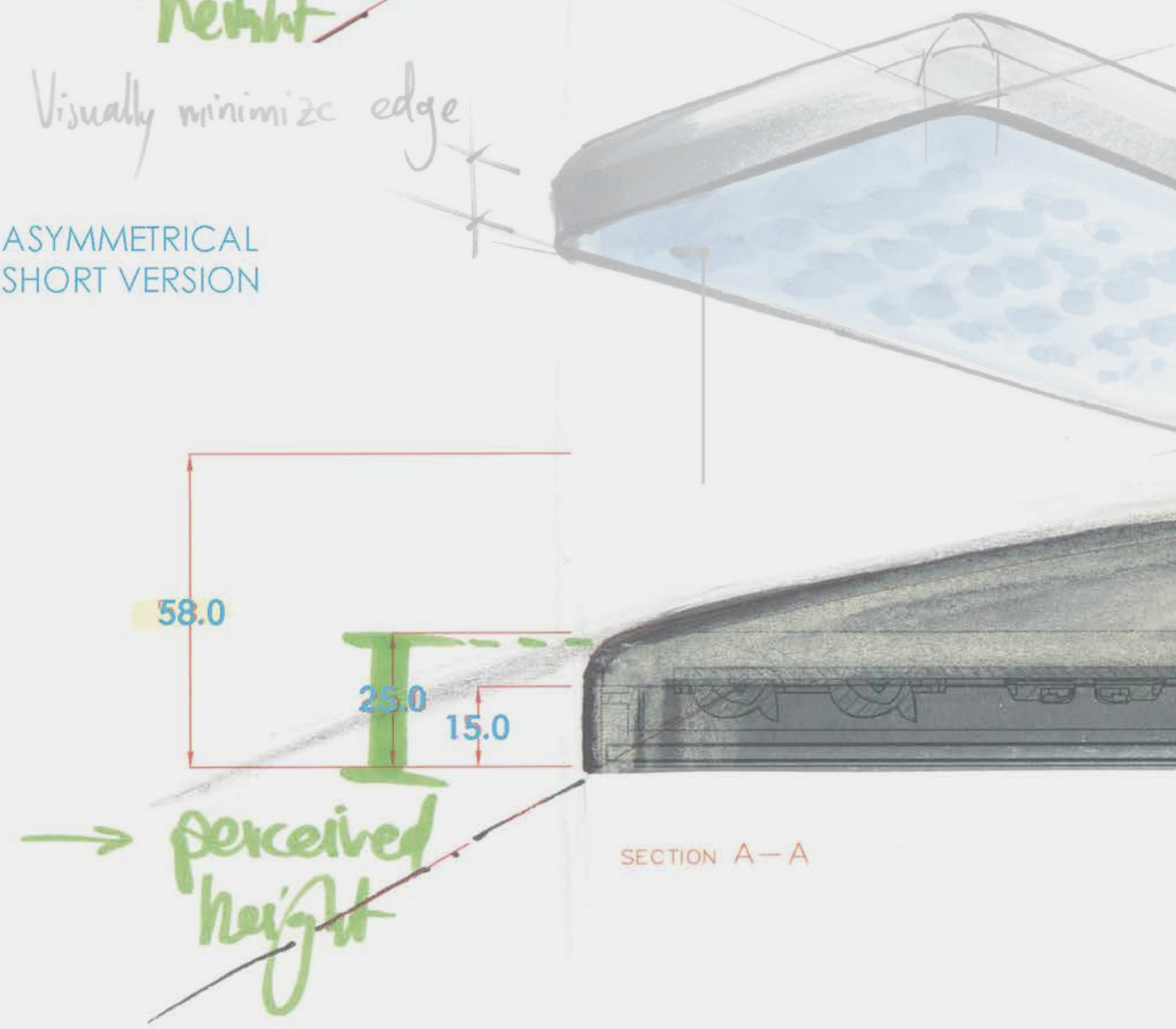
SYMMETRICAL
SHORT VERSION



SECTION A—A

Visually minimize edge

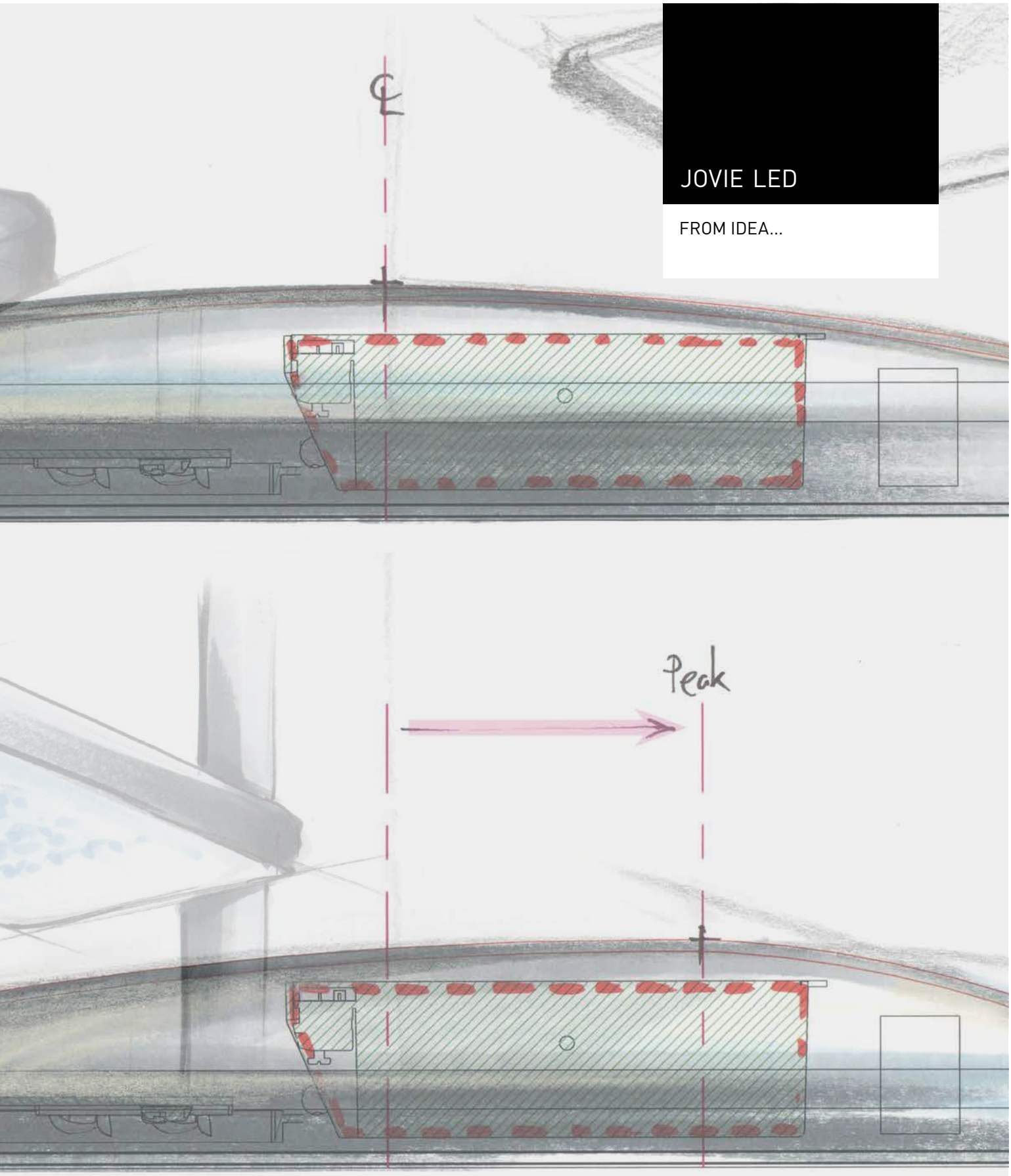
ASYMMETRICAL
SHORT VERSION



SECTION A—A

JOVIE LED

FROM IDEA...

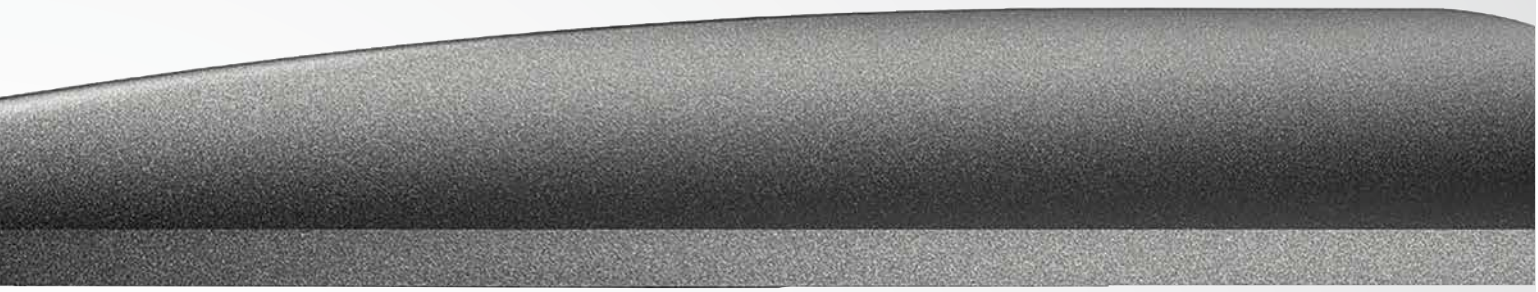


Reduced to the essentials – Reliable LED technology „made in Germany“ with a timelessly purist design

The lines and material thickness of the aluminium housing lend Jovie LED a flat appearance, and at the same time ensure balanced temperature management of the LED technology inside the luminaire. Thanks to its minimalist suspension with settable inclination Jovie LED gives the impression of floating in the air. Form and function complement the surroundings and ensure energy-conscious, sustainable and networked lighting architecture.

JOVIE LED

...TO IMPLEMENTATION



A versatile outdoor luminaire for all requirements

Be it streets, squares or areas around buildings in industry, office and retail: With Multi Lens Technology (MLTIQ) and Constant Light Output (CLO), Jovie LED ensures optimum visual conditions everywhere – and also gets noticed with its high quality design. Thanks to various component and switching variants, the flexible product range can be perfectly adapted to the individual requirements in the project.

TECHNOLOGY

FEATURES THAT SPEAK
FOR THEMSELVES

1

2

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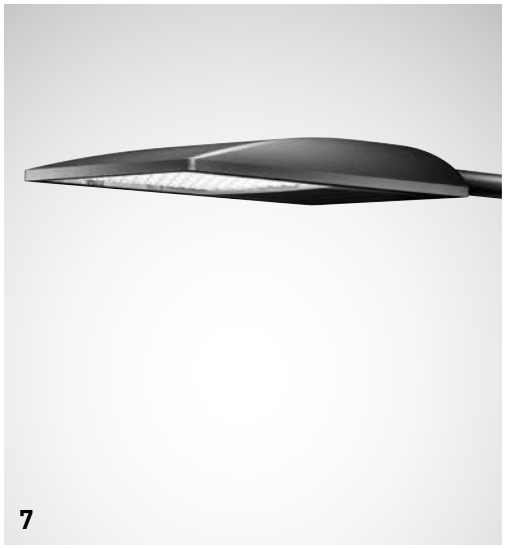


7

8

1 A versatile outdoor luminaire for all applications.
One luminaire for all requirements: Jovie LED provides lighting designers with a versatile lighting solution in various construction sizes and switching variants for an extremely wide range of applications. Ideal for car parks, paths, factory roads, outdoor workplaces and areas around buildings in industry, office and retail, as well as inner-city streets and squares.

2 Slim design, big impact
Thanks to its modern, slender design, Jovie LED blends harmoniously into almost any environment. The visually floating luminaire body is particularly eye-catching.

3 Manage light in the right way. And save energy and costs.
A focus topic in our times is the efficient operation of exterior lighting. Power reduction options, switched or self-regulated and dimming have become the norm – and are standard with Jovie LED. Integrated light management systems enable the regulation, control and monitoring of outdoor lighting systems via digital services such as light monitoring and energy monitoring.

4 Smart Lighting Ready – Maximum flexibility.
In the Smart Lighting Ready (SLR) version, Jovie LED has up to two Zhaga-standardised sockets that allow the luminaire to be retrofitted with a light management system and various sensors. This means that the post-top luminaire offers maximum flexibility even after installation, and remains state-of-the-art in the future.

5 Multi Lumen – Individually adaptable.
Luminous flux and dimming profiles can be set in the Multi Lumen (ML) version via NFC technology using a user-friendly app. Jovie LED can thus be flexibly adapted to lighting requirements and proves that it is already today fit for the future.

6 MLT^{IQ} – Customised light.
Differing photometric requirements demand custom-designed lighting solutions. Thanks to Multi Lens Technology (MLT^{IQ}), Jovie LED provides perfect illumination even with wide luminaire spacing, thus ensuring ideal visual conditions everywhere, whether in streets and squares, industrial areas or areas around buildings. Two special lenses are also available for the illumination of pedestrian crossings.

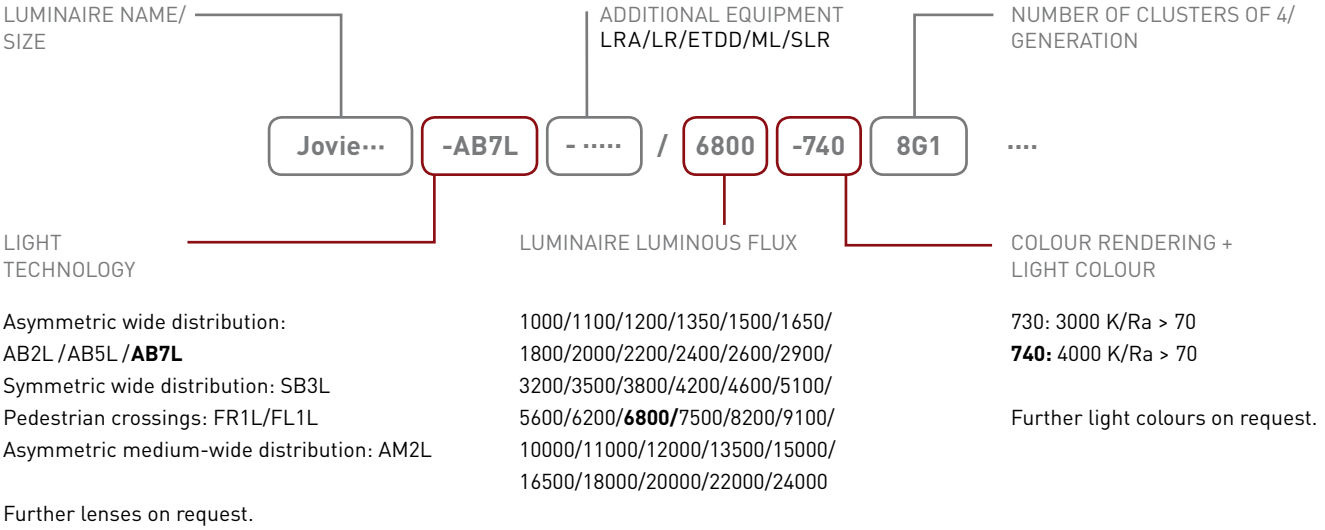
7 Constant Light Output – Performative and energy-saving.
Constant Light Output (CLO) not only ensures a high quality of light via constant luminous flux over the complete service life, but also reduces the Jovie LED's energy consumption. This saves energy costs, so that the investment costs pay for themselves more quickly.

8 Printed cover – An attractive option.
A special eye-catcher: the cover of Jovie LED can be individually designed on request, for example with a (company) logo or (city) coat of arms.

MLT[IQ]

MAXIMUM FLEXIBILITY

MLT[IQ] and luminaire designation



Asymmetric wide distribution:
AB2L /AB5L /**AB7L**
Symmetric wide distribution: SB3L
Pedestrian crossings: FR1L/FL1L
Asymmetric medium-wide distribution: AM2L

Further lenses on request.

1000/1100/1200/1350/1500/1650/
1800/2000/2200/2400/2600/2900/
3200/3500/3800/4200/4600/5100/
5600/6200/**6800/**7500/8200/9100/
10000/11000/12000/13500/15000/
16500/18000/20000/22000/24000

730: 3000 K/Ra > 70
740: 4000 K/Ra > 70

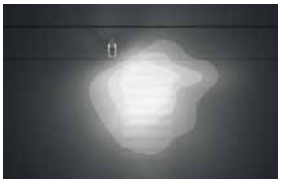
Further light colours on request.

Greater flexibility in use

The following overview shows which requirements can be fulfilled with a selection of MLT lenses. Flexibility is further increased via rotation of the lenses in 90° steps. Additional reduction of light emission to the rear can optionally be achieved with shielding on the building side.
Simply contact us.

Road	**Lens**/description
P class	
	**AB2L:** Asymmetric wide light distribution for road illumination in compliance with P and M lighting classes.
	**SB3L:** Symmetric wide light distribution for illuminating paths, especially cycle paths.
M class	
	**AB5L:** Asymmetric wide distribution for road illumination in compliance with M lighting classes with positive light point overhang and inclination angle to 15°.
	**AB7L:** Asymmetric wide light distribution for road illumination in compliance with M3 to M6 lighting classes with road width to mounting height ratio of 0.5 to 1.7.

Squares	**Lens**/description
	**AM2L:** Asymmetric medium-wide light distribution for planar lighting, e.g. car parks and storage areas.

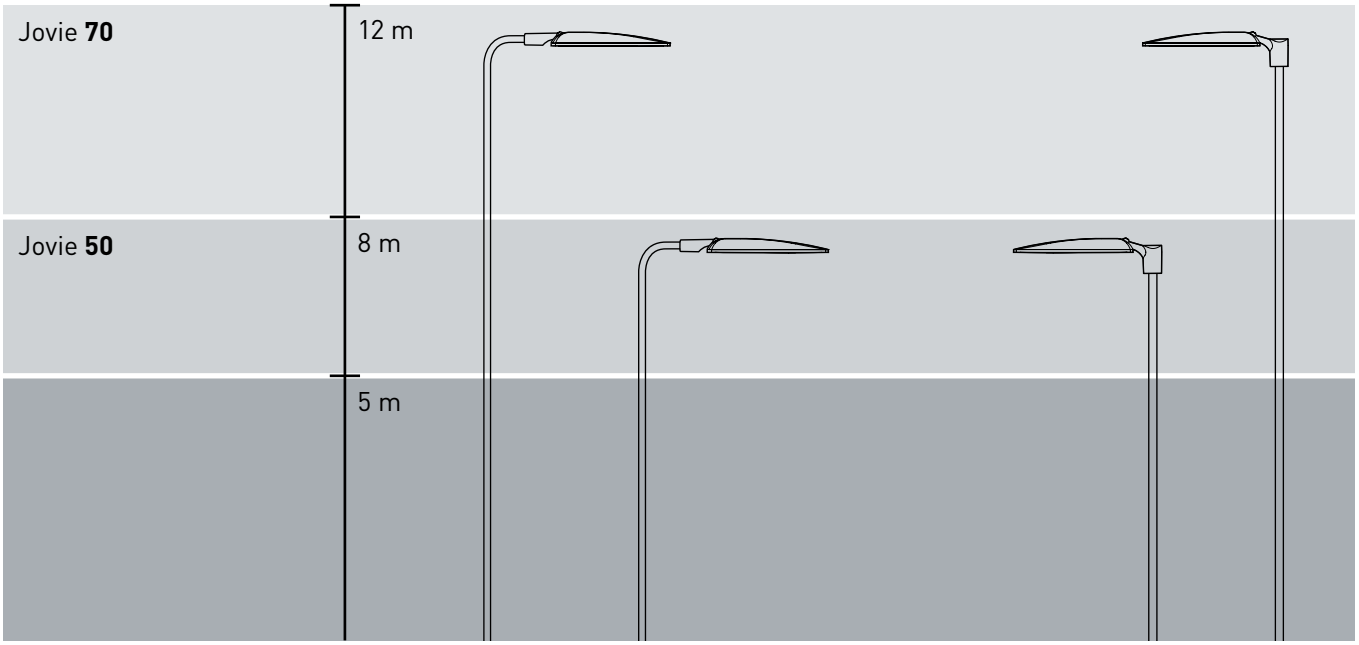
Pedestrian crossings	**Lens**/description
	**FR1L:** Extremely asymmetric light distribution for illuminating pedestrian crossings (illumination on right).
	**FL1L:** Extremely asymmetric light distribution for illuminating pedestrian crossings (illumination on left).

JOVIE LED

SIMPLY PLANNED

One luminaire for all requirements

Jovie LED provides lighting designers with a versatile lighting solution in various construction sizes for an extremely wide range of applications. Jovie LED cuts a fine figure not only as a post-top luminaire but also as a bracket-mounted luminaire. Ideal for car parks, paths, factory roads, outdoor workplaces and areas around buildings in industry, office and retail, as well as inner-city streets and squares.

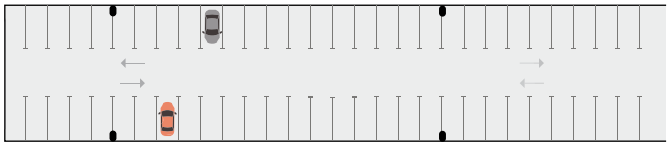


Instead of saying DIN EN 13201, please can we say EN 13201, then it is applicable to all European countries.

Reference	Recommended mounting height	Luminaire luminous flux	Lighting classes									
						P1	P2	P3	P4	P5	P6	
				M1	M2	M3	M4	M5	M6			
			C0	C1	C2	C3	C4	C5				
Jovie 50	up to 6 m	1,000 - 2,000 lm									•	
Jovie 50	up to 6 m	1,350 - 3,200 lm								•		
Jovie 50	6 - 8 m	2,200 - 5,100 lm							•			
Jovie 50	6 - 8 m	3,200 - 6,800 lm						•				
Jovie 50	6 - 8 m	5,100 - 6,800 lm					•					
Jovie 70	6 - 8 m	6,800 - 9,100 lm					•					
Jovie 70	8 - 10 m	6,800 - 12,000 lm				•						
Jovie 70	8 - 12 m	10,000 - 18,000 lm			•							
Jovie 70	8 - 12 m	13,500 - 24,000 lm		•								
Jovie 70	8 - 12 m	20,000 - 24,000 lm	•									

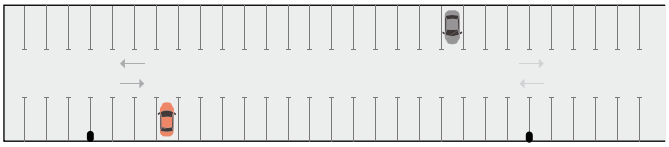
APPLICATION: CAR PARKS

Two-sided arrangement, opposite



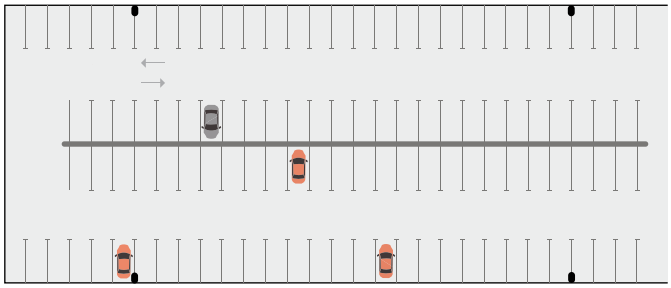
Parking lot width	16 m
Post height	6 m
Inclination angle	0°
Luminaire for 5 lux (low traffic)	Jovie 50-AB2L/2200-740 2G1 ETDD
Distance of start of parking lot to 1st luminaire	12.5 m
Distance from luminaire to luminaire	35.0 m
Luminaire for 10 lux (average traffic)	Jovie 50-AB2L/4200-740 4G1 ETDD
Distance of start of parking lot to 1st luminaire	12.5 m
Distance from luminaire to luminaire	35.0 m
Luminaire for 20 lux (heavy traffic)	Jovie 70-AB7L/8200-740 8G1 ETDD
Distance of start of parking lot to 1st luminaire	12.5 m
Distance from luminaire to luminaire	35.0 m

Arrangement on one side



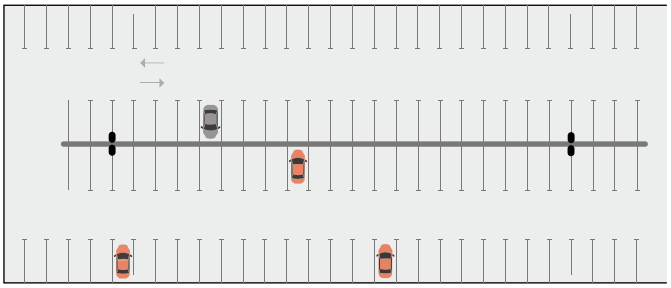
Parking lot width	16 m
Post height	8 m
Inclination angle	15°
Luminaire for 5 lux (low traffic)	Jovie 50-AB2L/6800-740 6G1 ETDD
Distance of start of parking lot to 1st luminaire	17.5 m
Distance from luminaire to luminaire	50.0 m
Luminaire for 10 lux (average traffic)	Jovie 70-AB7L/13500-740 12G1 ETDD
Distance of start of parking lot to 1st luminaire	17.5 m
Distance from luminaire to luminaire	42.5 m
Luminaire for 20 lux (heavy traffic)	Jovie 70-AB7L/24000-740 24G1 ETDD
Distance of start of parking lot to 1st luminaire	17.5 m
Distance from luminaire to luminaire	42.5 m

Two-sided arrangement, opposite



Parking lot width	32 m
Post height	8 m
Inclination angle	15°
Luminaire for 5 lux (low traffic)	Jovie 50-AB2L/5100-740 6G1 ETDD
Distance of start of parking lot to 1st luminaire	20.0 m
Distance from luminaire to luminaire	50.0 m
Luminaire for 10 lux (average traffic)	Jovie 70-AB7L/13500-740 12G1 ETDD
Distance of start of parking lot to 1st luminaire	20.0 m
Distance from luminaire to luminaire	50.0 m
Luminaire for 20 lux (heavy traffic)	Jovie 70-AB7L/24000-740 24G1 ETDD
Distance of start of parking lot to 1st luminaire	20.0 m
Distance from luminaire to luminaire	50.0 m

Two-sided arrangement, central



Parking lot width	32 m
Post height	8 m
Inclination angle	15°
Luminaire for 5 lux (low traffic)	Jovie 50-AB2L/6800-740 6G1 ETDD
Distance of start of parking lot to 1st luminaire	20,0 m
Distance from luminaire to luminaire	57.5 m
Luminaire for 10 lux (average traffic)	Jovie 70-AB7L/10000-740 8G1 ETDD
Distance of start of parking lot to 1st luminaire	15.0 m
Distance from luminaire to luminaire	47.5 m
Luminaire for 20 lux (heavy traffic)	Jovie 70-AB7L/20000-740 24G1 ETDD
Distance of start of parking lot to 1st luminaire	15.0 m
Distance from luminaire to luminaire	47.5 m

APPLICATION: PUBLIC LIGHTING

Cycle path (P5 lighting class)

	Example 1	Example 2
Cycle path width	2.5 m	2.5 m
Post height	5.0 m	6.0 m
Luminaire arrangement	on one side	on one side
Inclination angle	0°	0°
Luminaire	Jovie 50-SB3L-LR/1350-740 2G1 ET	Jovie 50-SB3L-LR/1800-740 2G1 ET
Light point spacing	52.0 m	60.0 m
Light point overhang	-0.5 m	-0.5 m

Service road (P5 lighting class)

	Example 1	Example 2
Carriageway width	5.5 m	6.5 m
Post height	5.0 m	6.0 m
Luminaire arrangement	on one side	on one side
Inclination angle	5°	15°
Luminaire	Jovie 50-AB2L/1350-740 2G1 ETDD	Jovie 50-AB2L/1800-740 2G1 ETDD
Light point spacing	38.0 m	47.0 m
Light point overhang	-1.0 m	-1.0 m

Main through-road (M5 lighting class)

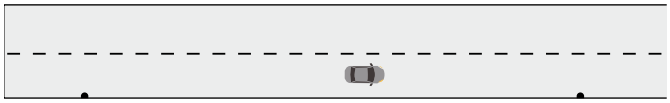
	Example 1
Carriageway width	7.0 m
Post height	8.0 m
Luminaire arrangement	on one side
Inclination angle	10°
Luminaire	Jovie 70-AB7L/8200-740 8G1 ETDD
Light point spacing	49.5 m
Light point overhang	-1.0 m

Main road (M4 lighting class)

	Example 1
Carriageway width	7.5 m
Post height	10.0 m
Luminaire arrangement	on one side
Inclination angle	5°
Luminaire	Jovie 70-AB7L/13500-740 12G1 ETDD
Light point spacing	44.5 m
Light point overhang	-1.0 m

APPLICATION: FACTORY ROADS

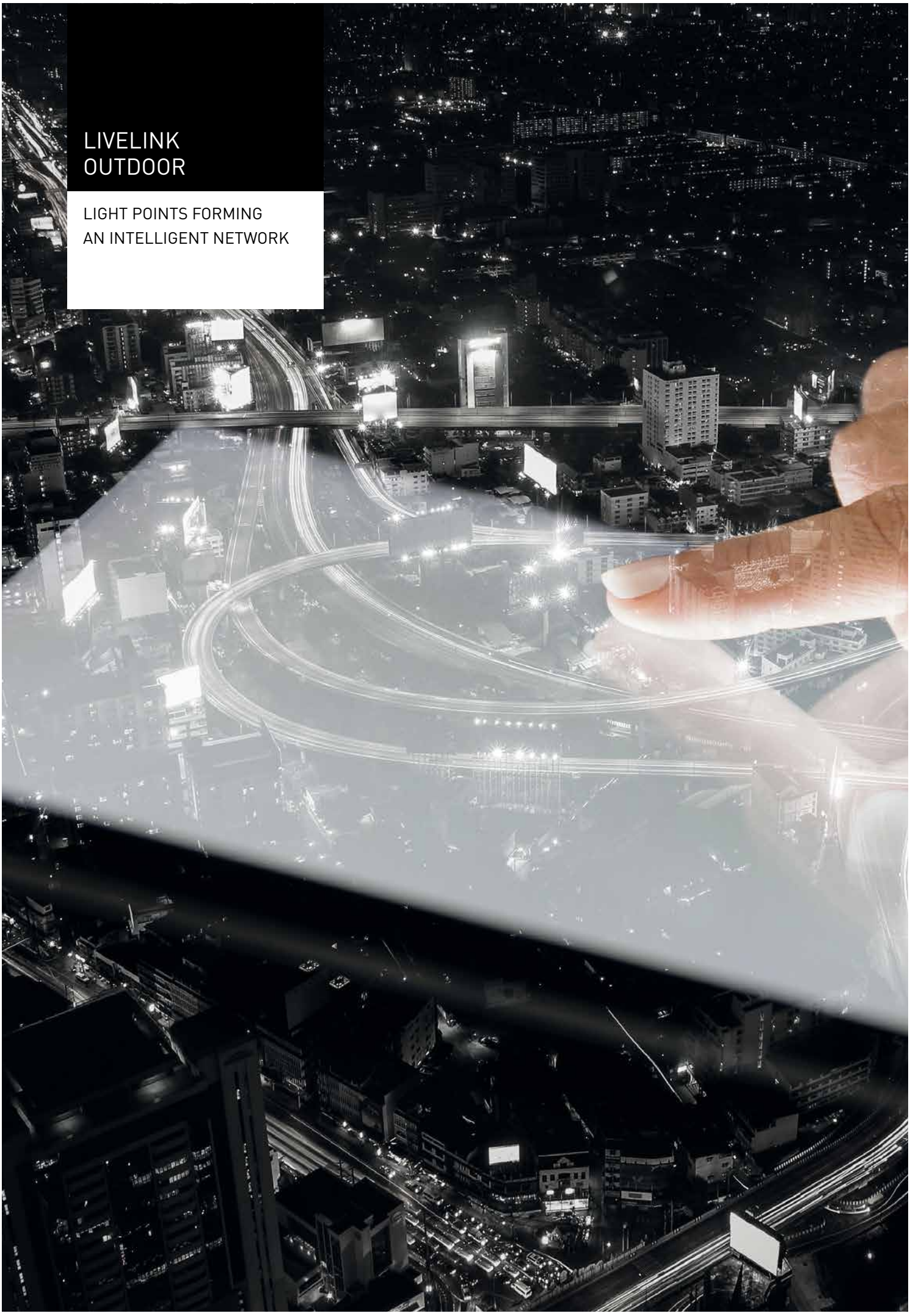
Arrangement on one side



Carriageway width	8 m
Post height	8 m
Luminaire arrangement	on one side
Inclination angle	0°
Luminaire for 10 lux	Jovie 70-AB7L/8200-740 8G1 ETDD
Luminaire for 20 lux	Jovie 70-AB7L/16500-740 18G1 ETDD
Light point spacing	39.0 m
Light point overhang	0 m

LIVELINK OUTDOOR

LIGHT POINTS FORMING
AN INTELLIGENT NETWORK



TRILUX outdoor light management – For the Smart City of tomorrow
Broadband internet access, mobile data, the Internet of Things and cloud computing – the future is networked and connectivity is one of the major trends approaching us.

The use of TRILUX LED luminaires with light management systems enables savings exceeding 80% compared to obsolete lighting installations. The remote management and control of streetlighting offers greater efficiency and increased public safety. Various dimming profiles and other settings can also be created and modified at any time and from anywhere.

Your advantages at a glance

Smart City compatible
Open interfaces (APIs) enable the integration of third-party software and hardware.

Light according to needs
Sensors save additional energy and avoid unnecessary light pollution.

Control, regulate, monitor
Simple remote management of the entire lighting system via web-based software.

Secure communication
Safeguarded against system failures and unauthorised access.

Simple installation
Quick installation and commissioning (with GPS location).
The existing lighting infrastructure need not be modified.

Proactive maintenance
Automatic forwarding of fault reports and status reports via the web-based software.

Software features
- Readout of current luminaire state
- Setting of dimming levels
- Grouping of luminaires
- Display and positioning of luminaires on a map
- Energy consumption readouts for single luminaires and luminaire groups
- Display of current traffic density

JOVIE LED

POST-TOP AND BRACKET-MOUNTED LUMINAIRE

Jovie 50: small design
Jovie 70: large design

MLT[IQ]

- Asymmetric wide distribution
- Asymmetric medium-wide distribution
- Extremely asymmetric distribution/ pedestrian crossings
- Symmetric wide distribution/ paths and cycle paths

&

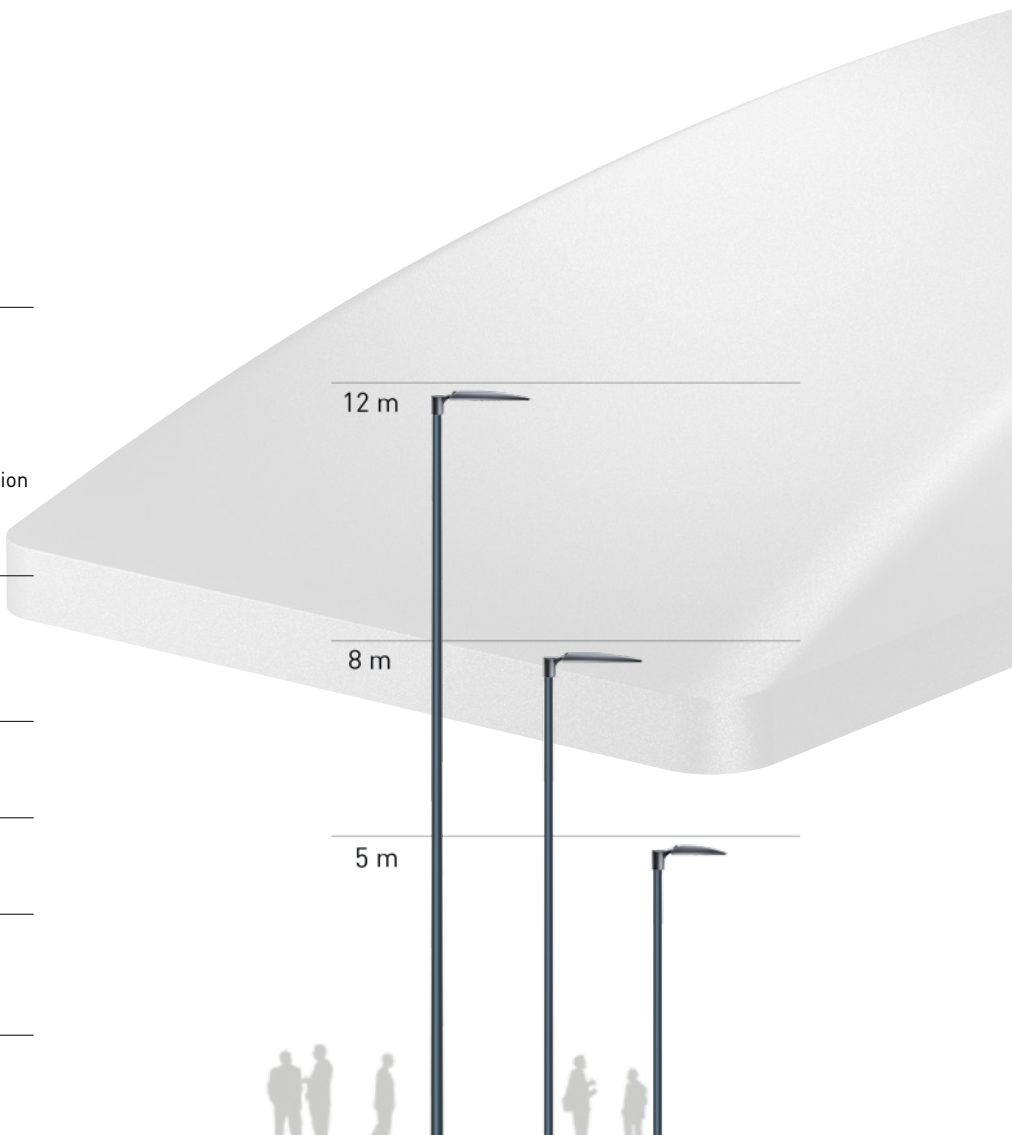
- Power reduction, control phase (LR)
- Power reduction, self-regulated (LRA)
- Switchable and dimmable (DALI)
- Smart Lighting Ready (SLR) enables the integration of light management and sensor technology
- Multi Lumen (ML)
- Constant Light Output (CLO)

Jovie 50: 1,000 lm – 6,800 lm
Jovie 70: 6,800 lm – 24,000 lm

K 3000 K 4000 K

> 100,000 h

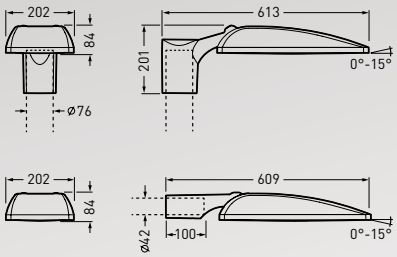
Accessories:
- Multiple post brackets
- Wall mountings
- Reduction piece for Ø 60 mm



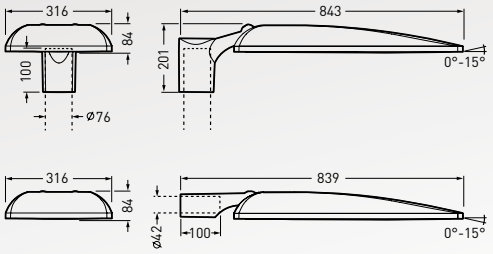
Separately ordered post fixing for mounting as post-top luminaire (spigot size Ø 76 mm, Jovie Z MB D76 26)

Separately ordered post fixing for mounting as bracket-mounted luminaire (spigot size Ø 42 mm, Jovie A Z MB D42 26)

JOVIE 50



JOVIE 70



IP66 IK09

ACCESSORIES FOR TECHNICAL POST LUMINAIRES

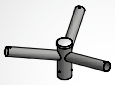
Jovie 50 +
Jovie A Z MB D42 26

Jovie 70 +
Jovie A Z MB D42 26

MULTIPLE POST BRACKETS

0803/2/76-200-42

Post spigot	Ø 76 mm
Supports	Ø 42 x 200 mm
Inclination angle	15°
Colour	galvanised



0803/3/76-200-42

Post spigot	Ø 76 mm
Supports	Ø 42 x 200 mm
Inclination angle	15°
Colour	galvanised

Jovie 50 +
Jovie A Z MB D42 26

Jovie 70 +
Jovie A Z MB D42 26

WALL MOUNTINGS

0803WB/100-42 26

Supports	Ø 42 x 100 mm
Inclination angle	15°
Colour	DB 703

The luminaire fulfils the requirements of EN 60598 and is designed for the effects of wind compliant to EN 1991 (Eurocode) with basic wind velocity of up to 30 m/s (corresponding to wind zone 4 in Germany) in terrain category 1. A snow load (up to 1 kN/m²) and icing (up to 2 cm) at a mounting height in accordance with the mounting instructions are taken into account. Not considered are exposed locations (e.g. bridges, installation on buildings or directly adjacent to railway tracks). Impact loads are not considered.

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All technical data including dimensional and weight specifications have been compiled with due care. Errors reserved. Possible colour deviations are due to printing processes. We reserve the right to modify in the interest of progress. Luminaires are partly shown with separately ordered accessories. Images of installations may show custom-manufactured luminaires. This publication was printed on PEFC-certified paper in an environmentally friendly way.