



**LED LIGHTING
FOR MUNICIPALITIES**



EFFICIENCY MEETS DESIGN

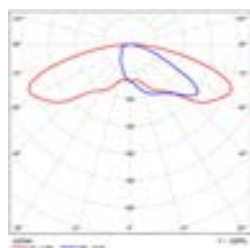
THE CITY OF THE FUTURE: ECONOMIC AND ATTRACTIVE

A city environment provides the ideal design space not just for modern architecture but also for creative light technologies. We have always considered this as an invitation to use the means and opportunities offered by the modular HELLA LED light technology to make inner-city traffic routes, parks and plazas lighter, safer and more attractive. Our architectural lighting not only perfectly fulfills this task but, moreover, it sets a unique highlight when it comes to the issue of economically effective, ecologically sustainable and optically impressive urbanity.

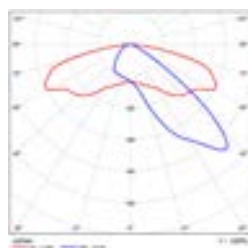
HELLA INDUSTRIES MODULE SYSTEMS – ENDLESS OPTIONS



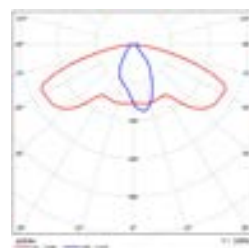
Eco module
variants



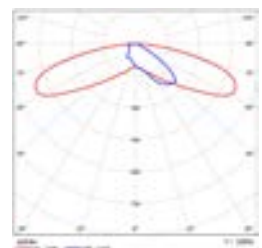
S S optics
S lighting class
streets



M M optics
ME lighting class streets



C C optics
Streets with
projecting light points
(mast poles with circular
curved brackets)



U U optics
Streets with low light
point heights (4-6 m)



The latest module generation now with 5,000 lm

Modular luminous flux – from 600 lm to 5,000 lm

In our modular designed system, each individual module makes its contribution to an effective system luminous flux. In detail, this is carried out as follows: The luminous flux of each module is 600 lm to 5,000 lm. The effective system luminous flux of an Eco luminaire is thus comprised of the number and the luminaire fluxes of the modules.

To the right the Circle modul that – thanks to high-tech and superior thermal management – allows decorative street lamps to be put into a good light, also when it comes to aspects of economy and ecology. The module and adapter plate are available in customized versions.



The VDE-tested LED module (light-in-light)

More flexibility thanks to lighting control

A strictly demand-oriented, four-level structured system. From autonomous control through to individual control:



Level 1: The basic solution

Network interface control. 2-phase switching 50% / 100%.



Level 2: Flexible profile

Programmable logic control module. Stepless autonomous control (Astrodim).



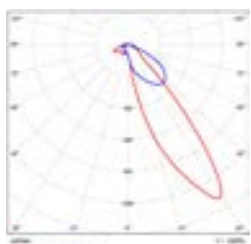
Level 3: Intelligent control

Open interface to control the lights (1-10 V/DALI).



Level 4: Maximum flexibility

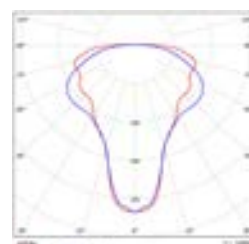
Simple integration of control components for highest flexibility. (Eco StateLine SMART-BOX)



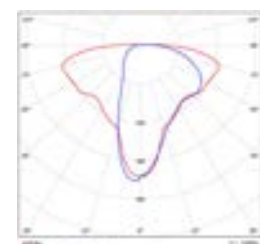
F F optics
Pedestrian crossings



Eco Circle variants



Rectangular symmetrical distribution



Rectangular asymmetrical distribution

GREEN LIGHT FOR THE CITY OF THE FUTURE

Main roads

Eco StateLine
STL 17"



Eco StreetLine
Case



Eco StreetLine
Slim Twin



Service roads

Eco StateLine
STL 17"



Eco StreetLine
Case



Eco StreetLine
Slim



Eco StreetLine
Park



Eco StreetLine
Twin

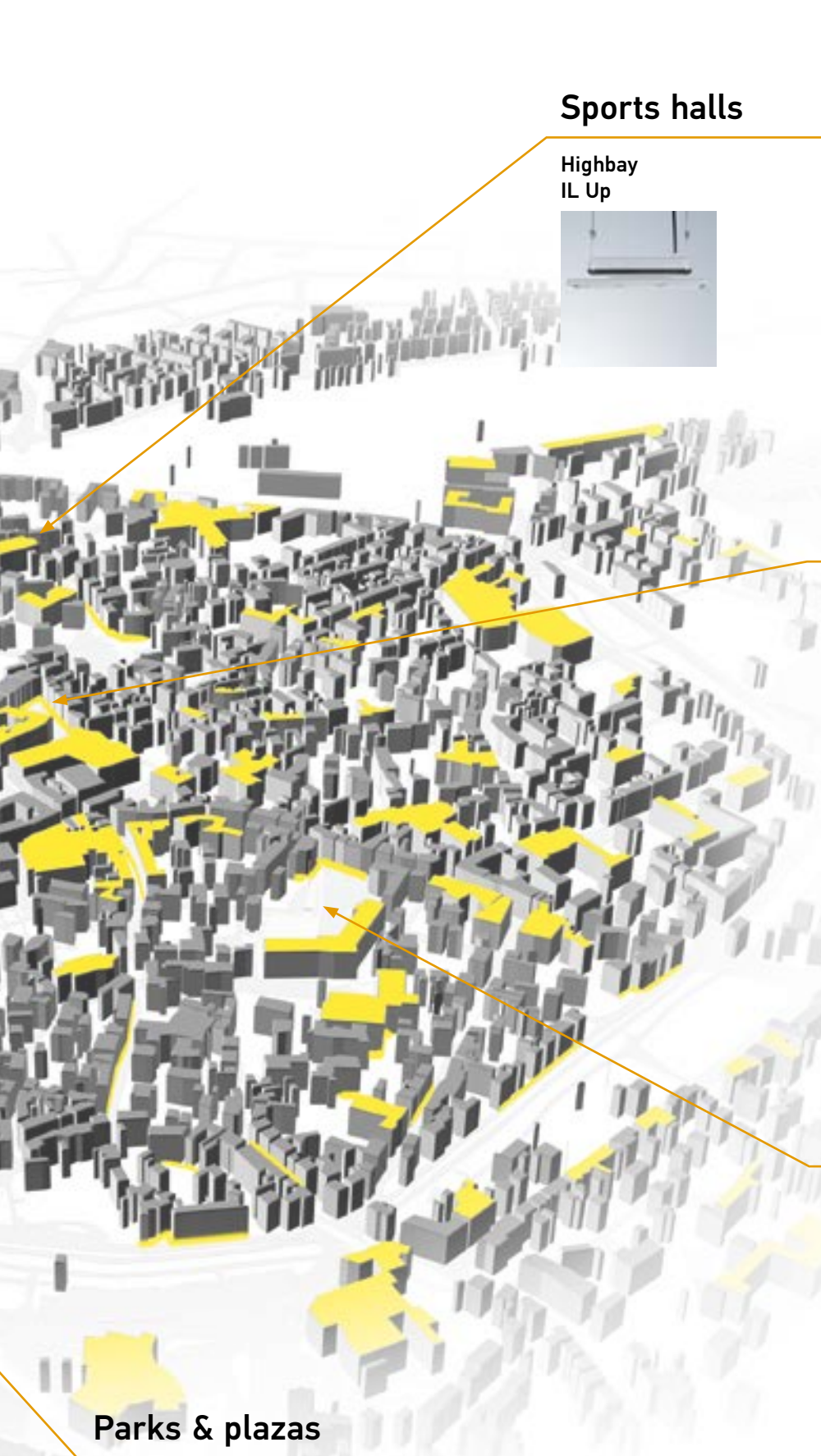


Eco CityLine
Shade



Eco CityLine
Moon





Sports halls

Highbay
IL Up



Administrative buildings and schools

Office Eco
series



Downlight
D300



Pedestrian zones

Eco CityLine
Shade



Eco CityLine
Moon



Eco StreetLine
Square



Parking lots

Eco StreetLine
Case



Eco StateLine
STL 17"



Parks & plazas

Eco StreetLine
Park



Eco StreetLine
Twin



Eco CityLine
Shade



Eco CityLine
Moon



Eco CubeLine
Park



Eco CubeLine
Twin



ECO STREETLINE | PARK

Side-mounted and top-mounted luminaires

Typical "Park"! Equipped with an autonomous LED module and integrated electronics. Energy and cost-saving light for illuminating bicycle and walking paths, guaranteed to be perfectly adapted.

Site of operation:

→ Service roads, parks & plazas

Dimensions (L x W x H)	680 x 160 x 110 mm
IP Certification (Luminaire)	IP 67 / IP 69K
Protection class	Protection class II
Power consumption	7 – 40 W (depending on luminous flux)
Effective system luminous flux	600 lm / 800 lm / 1,250 lm / 1,700 lm / 2,200 lm / 2,500 lm / 3,000 lm / 3,500 lm / 4,000 lm / 4,500 lm / 5,000 lm



ECO STREETLINE | TWIN

Side-mounted and top-mounted luminaires

With its two autonomous LED modules, "Twin" is just the light for illuminating a dark evening. Ideal for increased visibility and safety.

Site of operation:

→ Service roads, parks & plazas

Dimensions (L x W x H)	680 x 240 x 110 mm
IP Certification (Luminaire)	IP 67 / IP 69K
Protection class	Protection class II
Power consumption	14 – 80 W (depending on luminous flux)
Effective system luminous flux	1,200 lm / 1,600 lm / 2,500 lm / 3,400 lm / 4,400 lm / 5,000 lm / 6,000 lm / 7,000 lm / 8,000 lm / 9,000 lm / 10,000 lm



ECO STREETLINE | CASE

Side-mounted and top-mounted luminaires

With integrated electronics, the four powerful, autonomous "Case" LED modules guarantee ideal, homogeneous illumination, especially in places where there is a lot of action.

Site of operation:

→ Main roads, service roads, parking lots

Dimensions (L x W x H)	680 x 440 x 110 mm
IP Certification (Luminaire)	IP 67 / IP 69K
Protection class	Protection class II
Power consumption	28 – 160 W (depending on luminous flux)
Effective system luminous flux	2,400 lm / 3,200 lm / 5,000 lm / 6,800 lm / 8,800 lm / 10,000 lm / 12,000 lm / 14,000 lm / 16,000 lm / 18,000 lm / 20,000 lm



ECO STREETLINE | SQUARE

Decorative top-mounted luminaire

"Square" – the attractive street lamp with 4 LED modules. Ideal for areas with uptown tastes. High lighting performance. Variable light distribution. Sophisticated design.

Site of operation:

→ Pedestrian zones

Dimensions (L x W x H)	700 x 700 x 500 mm
IP Certification (Luminaire)	IP 65
Protection class	Protection class II
Power consumption	28 – 84 W (depending on luminous flux)
Effective system luminous flux	2,400 lm / 3,200 lm / 5,000 lm / 6,800 lm



ECO STREETLINE | SLIM

Side-mounted luminaire

Featuring a classic appearance, equipped with all the benefits of the Eco StreetLine family, and tailored to the illumination of bikeways and small streets – typical "Slim"!

Site of operation:

→ Service roads

Dimensions (L x W x H)	700 x 135 x 90 mm
IP Certification (Luminaire)	IP 66 / IP 69K
Protection class	Protection class II
Power consumption	15 – 40 W (depending on luminous flux)
Effective system luminous flux	1,250 lm / 1,700 lm / 2,200 lm / 2,500 lm / 3,000 lm / 3,500 lm / 4,000 lm / 4,500 lm / 5,000 lm



ECO STREETLINE | SLIM TWIN

Side-mounted luminaire

The "Slim Twin" with two autonomous LED modules provides optimally adjusted lighting power above all for light and homogeneous illumination of main roads.

Site of operation:

→ Main roads

Dimensions (L x W x H)	42 spigot size: 1,440 x 135 x 90 mm 60 / 65 spigot size: 1,160 x 135 x 90 mm
IP Certification (Luminaire)	IP 66 / IP 69K
Protection class	Protection class II
Power consumption	30 – 80 W (depending on luminous flux)
Effective system luminous flux	1,200 lm / 1,600 lm / 2,500 lm / 3,400 lm / 4,400 lm / 5,000 lm / 6,000 lm / 7,000 lm / 8,000 lm / 9,000 lm / 10,000 lm



ECO STATELINE | STL 17"

Side-mounted and top-mounted luminaires

New and unique. Individually adaptable electronic concept. Freely definable, intelligent modules. Extends functionality. Manufacturer independence. Free system selection.

Site of operation:

→ Main roads, service roads, parking lots

Dimensions (L x W x H)	815 x 350 x 130 mm
IP Certification (Luminaire)	IP 67 / IP 69K
Protection class	Protection class II
Power consumption	15 – 180 W
Effective system luminous flux	2,000 – 20,000 lm



ECO CITYLINE | SHADE

Top-mounted luminaire

Superior light quality and decorative element in one: "Shade". Well designed light with autonomous Eco Circle module. Extremely efficient, peak economy and ecology.

Site of operation:

→ Service roads, pedestrian zones, parks & plazas

Dimensions	650 x 425 mm
IP Certification (Luminaire)	IP 65
Protection class	Protection class III
Power consumption	23 W
Effective system luminous flux	1,450 lm (2,700 K) / 1,800 lm (3,000 K) / 1,950 lm (4,000 K)



ECO CITYLINE | MOON

Top-mounted luminaire

"Moon" – the highlight of inner-city lighting. High-performance, efficient, and extremely attractive. With first-class light quality, perfect light distribution, and a long lifetime – guaranteed.

Site of operation:

→ Service roads, pedestrian zones, parks & plazas

Sphere diameter (mm)	400 / 450 / 500
IP Certification (Luminaire)	IP 67
Protection class	Protection class III
Power consumption	23 W
Effective system luminous flux	1,700 lm (2,700 K) / 2,120 lm (3,000 K) / 2,300 lm (4,000 K)



ECO CUBELINE | PARK

Pole mounted luminaire

Bright and decorative: the "Park"! Our design light. Optimal for parks & plazas, bicycle/pedestrian paths. Sets attractive accents. Preassembled with connection cables and module.

Site of operation:

→ Parks & plazas

Mast	4 m / 5 m light point height
IP Certification (Luminaire)	IP 66
Protection class	Protection class II
Power consumption	9 – 40 W (depending on luminous flux)
Effective system luminous flux	600 lm / 800 lm / 1,250 lm / 1,700 lm / 2,200 lm / 2,500 lm / 3,000 lm / 3,500 lm / 4,000 lm / 4,500 lm / 5,000 lm



ECO CUBELINE | PARK²

Pole mounted luminaire

The "Park²" impresses with its combination of intelligent light technologies, decorative design, and first-class lighting power. The result: Best visibility and outlook!

Site of operation:

→ Parks & plazas

Mast	4 m / 5 m light point height
IP Certification (Luminaire)	IP 66
Protection class	Protection class II
Power consumption	18 – 80 W (depending on luminous flux)
Effective system luminous flux	1,600 lm / 2,500 lm / 3,400 lm / 5,000 lm / 6,000 lm / 7,000 lm / 8,000 lm / 9,000 lm / 10,000 lm



HIGHBAY | IL UP

High-bay lights

Aluminum lightweight in 3 variants. Sets benchmarks with superior light quality, optimal illumination, minimal energy costs, and simple installation. What's more: flat design, no cooling fins.

Site of operation:

→ Sports halls

Dimensions (L x W x H)	IL Up M: 480 x 405 x 125 mm IL Up L: 585 x 480 x 125 mm
IP Certification (Luminaire)	IP 65
Protection class	Protection class I
Power consumption	100 W / 160 W / 230 W
Effective system luminous flux	14,000 lm / 20,000 lm / 30,000 lm



OFFICE ECO SERIES

Panel lighting 600 and 1200

Sets an example for convincing design combined with superior lighting performance. This light also features an extremely flat design, patented light control, and homogeneous illumination.

Site of operation:

→ Administrative buildings and schools

Dimensions (L x W x H)	Eco 600: 595 x 595 x 10 mm / 622 x 622 x 10 mm Eco 1200: 1,195 x 295 x 10 mm / 1,245 x 308 x 10 mm
IP Certification (Luminaire)	IP 20
Protection class	Protection class II
Power consumption	34 W (Eco 600) / 40 W (Eco 1200)
Effective system luminous flux	Eco 600: 3,200 lm (3,000 K) / 3,400 lm (4,000 K) Eco 1200: 3,600 lm (3,000 K) / 3,800 lm (4,000 K)



DOWNLIGHT | D300

LED Downlight features outstanding optics and light quality that optimally meet different demands. More special features: patented light control and particularly homogeneous illumination.

Site of operation:

→ Administrative buildings and schools

Dimensions	Height: 100 mm Diameter: 265 mm (external)
IP Certification (Luminaire)	IP 20 (IP 54 room side)
Protection class	Protection class II
Power consumption	25 W / 43 W
Effective system luminous flux	2,700 K: 2,100 lm (25 W) / 4,400 lm (43 W) 3,000 K: 2,200 lm (25 W) / 4,500 lm (43 W) 4,000 K: 2,300 lm (25 W) / 4,800 lm (43 W)





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A COMPANY OF  **WÜNSCHE**
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HELLA INDUSTRIES

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Industrial lighting

Interior lighting

You can find more information at:
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