



office

industry

traffic

shopping

public

sports

**siteco**  
AN OSRAM BUSINESS

DL® 500 Aluminium.  
Efficiency, functionality, a long life.



18 m

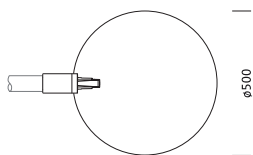
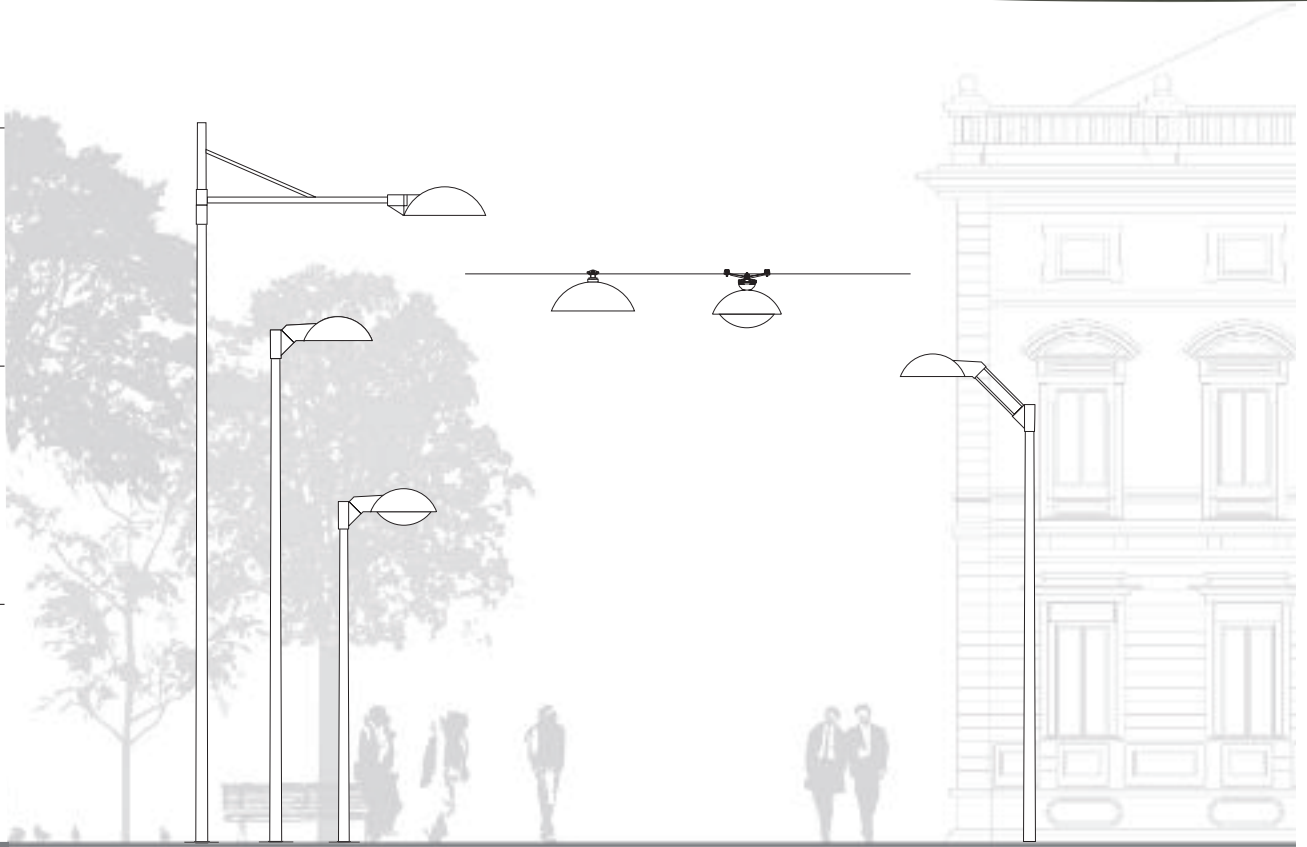
12 m

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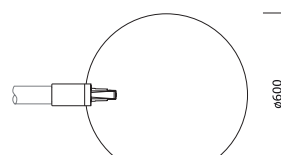
6 m

3 m

0 m



DL® 500 MIDI



DL® 500 MAXI



## Flexibility and a long service life

High quality materials, excellent workmanship and innovative lighting technology characterise the luminaires of the DL® 500 family. The tough diecast aluminium housing lends them an extremely long service life and precise machining of the individual components qualifies them for an IP 65 protection rating.

The minimised, semi-spherical design of the luminaires allows them to blend harmoniously in both modern as well as traditional urban environments. Various mounting possibilities, optical enclosures and reflector technologies give the DL® 500 luminaires a high level of functionality and make them suited to a wide spectrum of applications:

In MIDI or MAXI versions, the DL® 500 luminaires can be deployed both for the design of squares and residential areas as well as for the standardised lighting of main roads and service and collection roads.





In terms of maintenance and servicing, the DL® 500 is able to convince with functionality and easy serviceability: the lamp enclosure is fixed with two twist-lock catches and can be opened downwards without use of tools.

A further twist-lock catch secures the gear tray with lamp socket and lamp; these can also be folded downwards, thus cutting off the power supply - maintenance and control work as well as gear tray replacement can be carried out without danger.



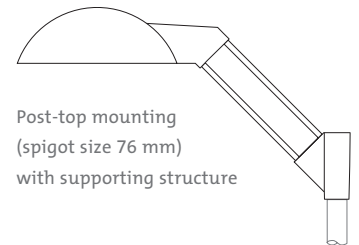
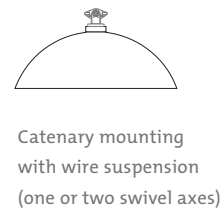
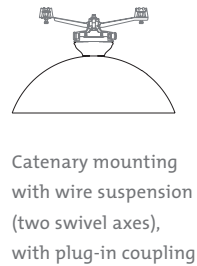
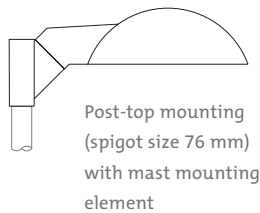
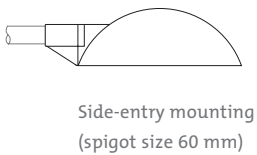
Opening: two twist-lock catches secure the cover. It is folded downwards via a hinge.

Relamping and maintenance: a twist-lock catch secures the gear tray. When hinged down, automatic load disconnection of the luminaire on all poles is triggered.

## Cost-efficiency and functionality

The complete construction principle of the DL® 500 has to be oriented towards cost-efficiency and functionality: a highly precise radial faceted reflector with exactly optimised optical enclosures as well as various lamp possibilities allows wide luminaire spacing, guaranteeing lighting quality according to current standards and the implementation of lighting with a high degree of energy efficiency. In addition, the versatility of the components allows a user-oriented configuration while at the same time ensuring a homogenous appearance of the illuminated road.

In this respect the DL® 500 luminaires can be adapted according to specific applications and mounting situations with various mounting possibilities:



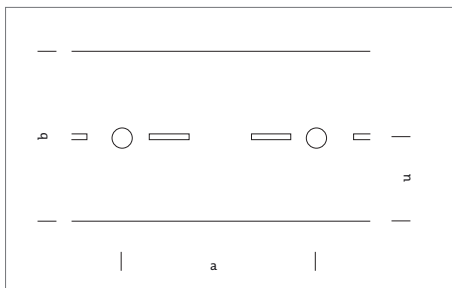
Complete replacement:  
the gear tray can be removed and replaced.





**Calculation example:  
1 x HST 150W lamp**

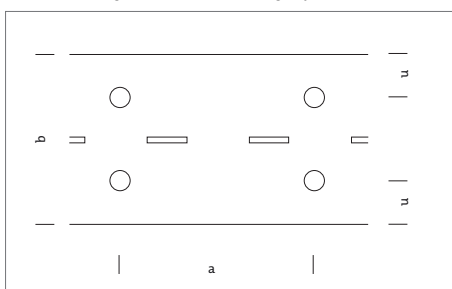
A) Single-row arrangement above centre of carriageway



Road geometry minimum requirements according to ME 3b (DIN EN 13201)

b (m)	h (m)	u (m)	LP distance a (m)	L cd/m <sup>2</sup>	U <sub>0</sub>	U <sub>1</sub>	T <sub>r</sub> (%)	SR
			ME 3b	≥ 1	≥ 0.4	≥ 0.6	≤ 15	≥ 0.5
6	6	3.0 (Fig. A)	30.0	2.11	0.47	0.62	12	0.52
6	7	3.0 (Fig. A)	34.5	1.66	0.48	0.61	11	0.59
6	8	3.0 (Fig. A)	39.0	1.34	0.49	0.60	9	0.66
8	8	4.0 (Fig. A)	39.0	1.21	0.45	0.61	10	0.52
10	8	2.50 (Fig. B)	41.0	1.92	0.48	0.60	11	0.52

B) Double-row arrangement above centre of carriageway





Maintenance of the DL® 500 is especially simple with catenary mounting and plug-in coupling. A steel bracket secures the luminaire to the mounting module. A single hand movement unlocks the locking device and the luminaire can be folded down via its hinge and released from the mounting. Load disconnection from the luminaire takes place on all poles, ensuring safety at all times.

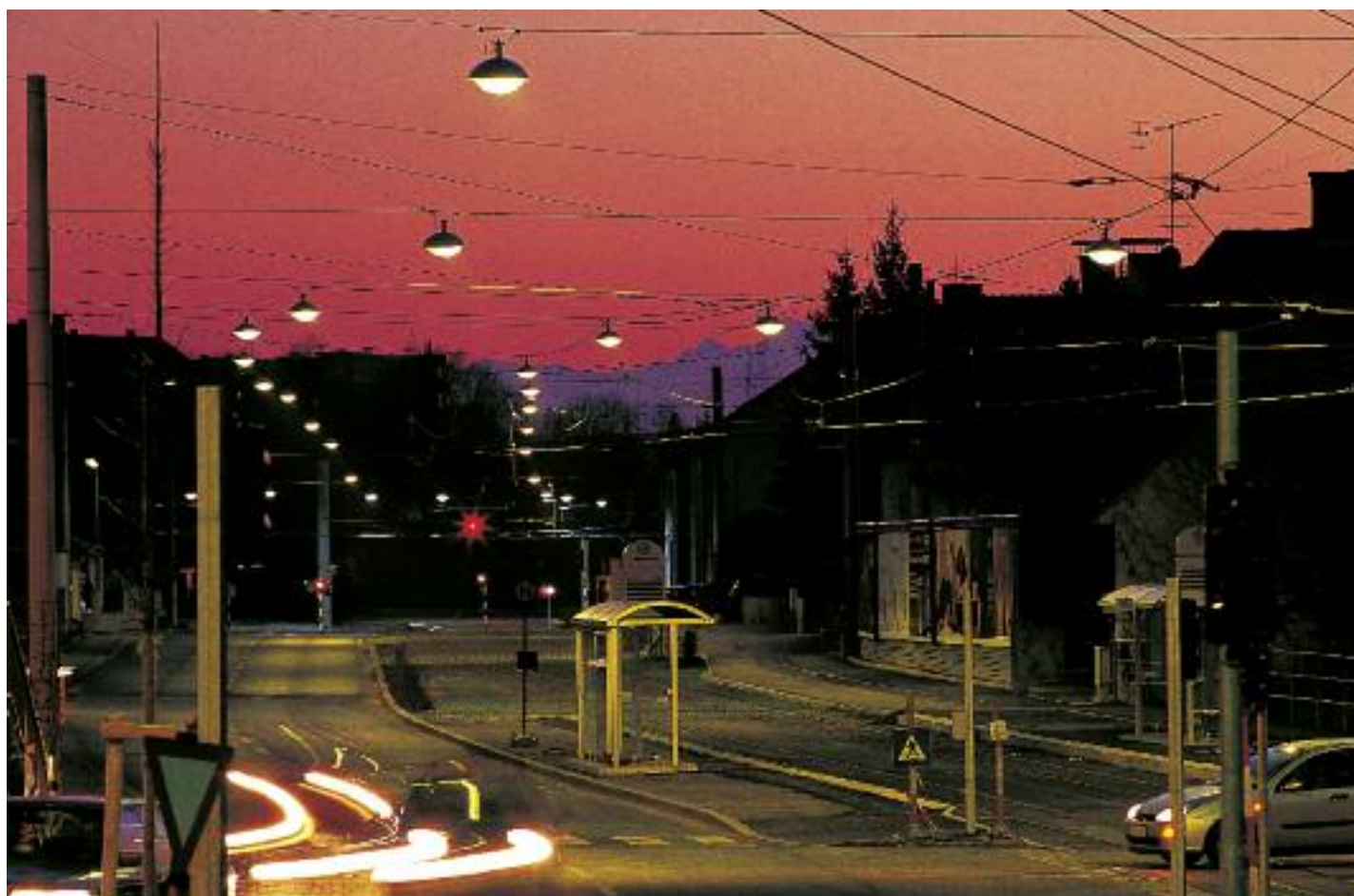


## Catenary mounting and optimal luminaire spacing

The DL® 500 can be suspended by cables. It can thus be precisely positioned above the application area in situations with difficult infrastructure conditions. In this way, large crossroads, broad squares with high traffic densities and wide thoroughfares and boulevards can be precisely illuminated according to standards.

A suspension unit with either one or two swivel axes fixes the luminaire securely to the cable. It can also be mounted via a plug-in coupling that automatically disconnects the luminaire on all poles during maintenance work.

With these mounting variations the DL® 500 MAXI can be equipped with a symmetrical specular reflector and flat cover. This combination achieves ideal lighting results and is suitable for both double arrangements with wider traffic routes and single arrangements for narrower traffic routes above the centre of the carriageway. This in turn allows extremely large luminaire spacing of up to 40 metres with simultaneous conformity to standards. This makes possible both optimal, homogenous light distribution and high levels of system efficiency for good costefficiency.



## Light immission and glare control



Light immission is an urban phenomenon that is a strain on the environment and that has already become a focus of attention in several European countries. Immission in terms of lighting refers to the output of artificial light to the environment, and is therefore seen as a pollutant. Light pollution is an often-used term in this sense.

In order to avoid this in future and to minimise burdens on the environment from light immission, it is now more than ever necessary to guide light exactly to where it is needed, thus increasing luminous efficiency levels with identical levels of power consumption.

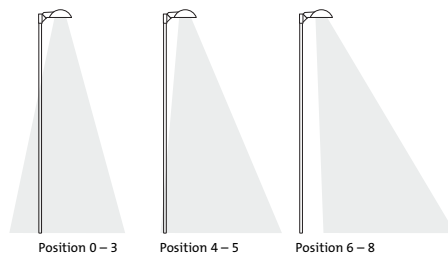
There are three factors that influence the level of light immission with a lighting system:

- For optimal results, the luminaires must be equipped with a flat cover.
- Luminaires must be controlled and switched exactly according to needs.
- The lighting system must be planned so that as much light as possible is available with minimal lighting hardware.

With corresponding configuration of the components, the DL® 500 luminaires are highly suitable for achieving zero light immission demands:

The luminaires can be equipped with an optical enclosure of flat, toughened safety glass that reduces light spill to zero percent. The flat cover in combination with radial faceted optics also has the advantage of reducing glare so much that the DL® 500 luminaires are able to satisfy the stringent conditions for the illumination of particularly sensitive areas such as waiting zones, security areas and rail marshalling yards.





The radial faceted reflector of the DL® 500 has been designed for maximum efficiency and minimum glare. According to lighting requirements it can be aligned to eight different horizontal positions. Combined with the flat cover the highly efficient radial faceted reflector reduces light immission to zero percent.





	HST/HSE	HIT-CE-od	HIT-CE	TC-L	HME
Lamp rating [W]	50 – 250	45 – 140	35 – 150	18	50 – 125
Lamp lumen output [lm]	3500 – 33200	4300 – 16500	3300 – 14500	1200	1800 – 6800
Luminous efficacy [lm/W]	70 – 133	96 – 117	94 – 107	65 – 75	36 – 54
Colour temperature [K]	1900 – 2000	2600 – 2800	2800 – 4200	3000 – 3500	3000 – 4200



## Cost efficiency and energy efficiency

Energy efficiency is the decisive factor for road lighting with good environmental and operational cost balances. The more cost-efficient a luminaire functions, the greater the gains for the complete system. The potential for saving is enormous: in Europe, yearly costs to a total of approximately 17.5 billion euros could be saved with the use of energy optimised lighting systems. Germany would have a significant part of this, because with the three to four billion kWh of electricity used in Germany for the lighting of roads, squares and bridges, the country is at the forefront in comparison with the rest of Europe.

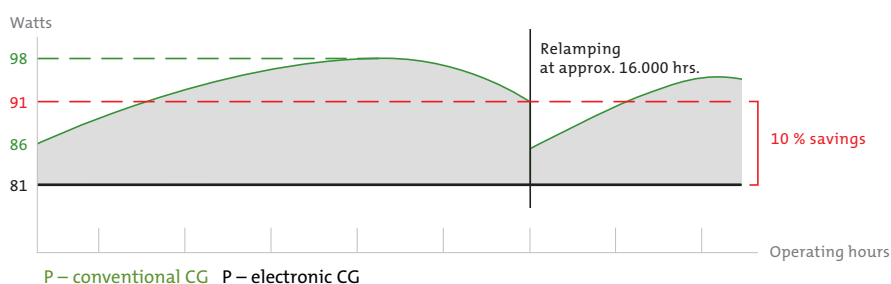
Potential for improvement can be seen when existing lighting systems are looked at: around one third of road lighting systems in Germany are older than 20 years. They are often equipped with inefficient high pressure mercury vapour lamps, poor reflectors and obsolete luminaires. However, the preconditions for an energy efficient luminaire are primarily a high light output ratio for each individual luminaire, modern electronic control gear and efficient lamps. With such simple modernisation factors, it is relatively easy to update an outdated lighting system to a greater level of efficiency.

Efficiency can be further improved with the integration of electronic control gear (ECG) that can be positioned onto the gear tray with all DL® 500 versions. Because ECGs guarantee constant light output over the complete lamp service life, they require less power consumption for the same output than conventional control gear. In addition the constant utilisation increases the service life of the lamp by 20 to 30 percent, giving a clear maintenance advantage compared to conventionally operated luminaires. ECGs for high pressure discharge lamps can also precisely control lamp output, being able to reduce it by up to 30 percent according to requirements. With lamp failures, automatic switch-off of the ECG takes place.

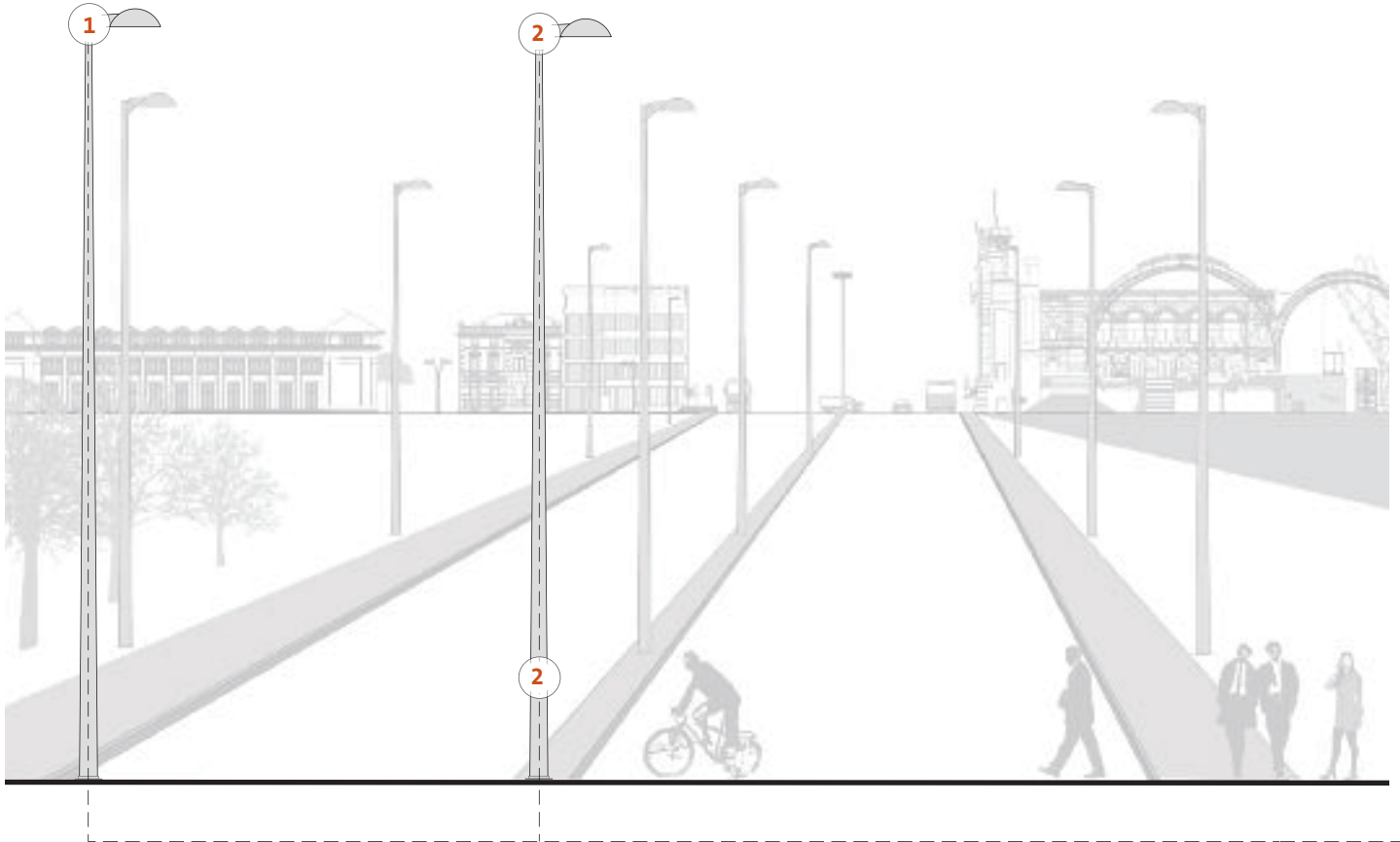
Lamps based on ceramic arc tubes (HIT-CE, HIT-CE-od) are characterised by greater luminous efficacy of up to 70 percent in relation to energy consumption (lumens/watt) when compared to high pressure mercury vapour lamps, thus minimising a correspondingly high level of CO<sub>2</sub>. They also display a natural and pleasant light colour (colour rendition grades 1a and 1b), that are particularly attractive for urban areas.



Power consumption HST/HSE 70 watt over lamp service life



Note: increased service life of the lamp with operation of ECG has not been taken into account.



**1 DL® 500 with ECG 1...10 volts and SLC**  
Especially suitable for new systems

The DL® 500 Aluminium with integrated luminaire controller is especially suitable for new systems, complete light point refurbishments and for mounting without a mast (catenary mounting). With integration of a luminaire controller, the luminaire can be individually connected via the standardised LON protocol to a lighting control system without supplementary control wires.



**2 Luminaire controller for mast mounting**

Especially suitable for the step-by-step refurbishment of old systems.

The luminaire controller for recessed mast installation is especially suitable for the successive conversion of existing lighting systems. When the luminaire controller is mounted in the mast, the light point can initially be operated with the "old" luminaire with conventional control gear. The device features a switched output and output for the control of an electronic reducing relay. A progressive replacement of old luminaires for DL® 500 luminaires with 1...10 volt ECG is simple. Because the luminaire controller already features a 1...10 volt interface, this does not need to be replaced.

In systems with ripple control signal, the luminaire controller in the first upgrade step can still be switched via the ripple control signal. Without replacement of the controller, this can then be integrated in a standard LON Powerline system without additional control wires and individually controlled and monitored. With the use of open interfaces, the luminaire controller offers maximum flexibility and investment safety.

# Intelligent lighting control with Siteco Light Control (SLC)

Outdoor lighting will become increasingly judged according to its CO<sub>2</sub> balance. But DL® 500 luminaires have been designed to be future-fit: they can be equipped with Siteco Light Control (SLC) outdoor lighting control. SLC can control lighting systems individually and according to needs, and not only improves road safety but reduces energy consumption, light pollution and operating costs.

Siteco Light Control is based upon PowerLine technology with which complete lighting systems can be expanded to become communicating data networks, without the need for installing additional control cables. Via remote monitoring, the condition of each luminaire can be tested at any time, luminaire failures can be precisely located and logging of consumption data and error analysis is possible anytime.

This opens up new chances for energy saving. For example by flexible dimming of the installation, e.g. when more light than normal is required for places where accidents have occurred or with bad weather conditions, but also with moonlit nights and low traffic densities when less light is needed.

Through the use of open, standardised interfaces and protocols, Siteco Light Control offers maximum compatibility and investment safety. This enables existing DL® 500 lighting systems to be retroactively and successively upgraded.



## Functional overview of variants

Function	1 Luminaire with ECG and integrated controller	2 Luminaire with conventional CG and mast recessed controller	2 Luminaire with ECG and mast recessed controller
Individual switching on/off	■	■	■
Individual dimming	■		■
Maintenance factor compensation function	■		■
Control via possibly existing ripple control technology	■		■
Burning period with various power ratings	■	■	■
Input voltage to luminaire	■	■	■
Luminaire current	■	■	■
Phase shift (cos φ) of luminaire	■	■	■
Power input of luminaire	■	■	■
Energy consumption of luminaire	■	■	■
Breach of defined limit values (voltage, current)	■	■	■
Luminaire failure	■	■	■
Defect of luminaire controller	■	■	■

More detailed information about lighting control can be found at [www.siteco.de](http://www.siteco.de)

## DL® 500 Aluminium

The DL® 500 outdoor luminaire in two construction sizes (MIDI, MAXI) for mast or catenary mounting is characterised by a modern design, high quality materials (luminaire housing of diecast aluminium) and excellent workmanship. Equipped with state-of-the-art lighting technology and precise optics, these luminaires offer outstanding solutions in relation to energy efficiency, luminaire spacing, light quality and service life.

The optical system consists of a high performance radial faceted reflector and high grade luminaire enclosure. This is available either as a transparent PMMA enclosure or as a cover of toughened safety glass designed for maximum light spill reduction. The highly efficient optics, combined with HST/E or HIT-CE lamps, allow the implementation of large luminaire distances, and also create homogenous illumination. The DL® 500 catenary luminaires are equipped either with a symmetrical reflector (MAXI) or radial faceted optics (MIDI, MAXI) for the fulfilment of specific lighting requirements.



The DL® 500 is highly suitable for the illumination of service and collection roads, main thoroughfares and residential areas. Despite its robust construction and high IP65 protection rating, the DL® 500 is easy to handle: the lamp enclosure is hinged downwards by releasing two tough twist-lock catches. A further twist-lock catch secures the gear tray with lamp socket and lamp that can also be folded downwards. This cuts off the power supply; maintenance and control work as well as gear tray replacement can be carried out without danger. The efficient radial faceted reflector for extremely wide, asymmetrical light distribution can

be variably positioned: it can be adjusted via simple pushing in the horizontal plane, thus allowing it to be precisely matched to the specific lighting task at hand.

### Housing technology

Luminaire housing and mast mounting of diecast aluminium | carrying elements of V4A stainless steel | all-round EPDM seal within housing profile | luminaire enclosure as PMMA enclosure or as flat cover of toughened safety glass | opened without tools and hinged downwards | high quality, weather-resistant Siteco metallic grey coating (DB702S) | insulation class: II | protection rating: IP 65

### Electrics

Housing opened without tools and hinged downwards; automatic all-pole power disconnection when hinged downwards | tool-free relamping | all electrical components mounted on removable gear tray | connection via plug-in coupling | ECO reducing circuit for all high pressure lamping | also available with efficient electronic control gear (ECG) and Siteco Light Control (SLC) lighting management components (SLC: central control and monitoring of intelligent light points)

### Lighting technology

Extremely wide distribution and high uniformity via highly efficient radial faceted optics | variable light-band deflection via adjustable optics | high levels of system efficiency via optimised light distribution and wide luminaire spacing | optical enclosure with flat cover (toughened safety glass) for minimised light immission, or transparent enclosure (PMMA)

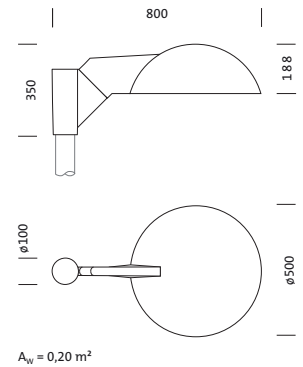


- + Family character via two construction sizes with various lamp possibilities
- + Luminaire with side-entry, post-top or catenary mounting with uniform design appearance, for all applications within a town
- + Efficient radial faceted optics for wide luminaire spacing with highly homogenous illuminance
- + Radial faceted optics with flat cover for minimised light spill
- + Tool-free relamping and gear tray replacement
- + Minimised energy input with optimal lighting results due to use of efficient electronic control gear and Siteco Light Control (SLC) lighting management components
- + All electric components mounted on removable gear tray; gear tray opened without tools and hinged downwards; automatic all-pole disconnection when hinged downwards
- + Insulation class: II
- + Extremely weather-resistant coating



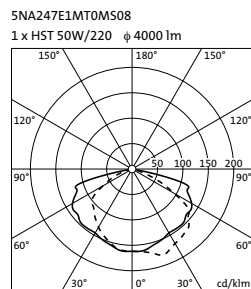
**DL® 500 MIDI - M | for post-top mounting | with mast mounting element | with cover**

Semi-spherical luminaire with integral mast mounting element for spigot size 76mm. Radial faceted optics for HIT-CE-od, HIE/HIT-CE, HSE/HST, TC-L lamps. With cover (toughened safety glass). Optionally in combination with state-of-the-art electronic control gear (ECG) technology and SLC lighting management components. Aluminium housing, mast mounting of diecast aluminium, surface coated Siteco metallic grey (DB702S). Insulation class: II. Protection rating: IP65. (Mast mounting with 2 or 3-fold arrangements on request)

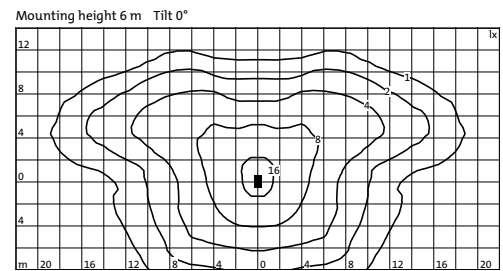


Lamps	Socket	Wt. (kg)	Order No.
<b>with ECG</b>			
1xHIT-CE 70W	E27	14.0	5NA24771LT6MS08
1xHIT-CE-od 45W	PGZ12	14.1	5NA24771AW0MS08
1xHIT-CE-od 60W	PGZ12	14.1	5NA24771BW0MS08
2xTC-L 18W	2G11	14.2	5LA24772KA0MS08
<b>with ECG(1..10V)</b>			
1xHST/HSE 70W	E27	14.0	5NA24771MT6MS08
<b>with ECG(1..10V), with luminaire controller</b>			
1xHST/HSE 70W	E27	14.2	5NA24791MT6MS08
<b>with LLCG</b>			
2xTC-L 18W	2G11	14.6	5LA24712KA0MS08
<b>with CCG w. th. prot., p.f. corr.</b>			
1xHIE-CE 35W	E27	14.8	5NA247E1HT0MS08
1xHST/HSE 50W <sup>4)</sup>	E27	14.8	5NA247E1MT0MS08
1xHST/HSE 70W	E27	ECO	5NA247E1MT1MS08

4) control gear with 2x power tapping 50/70W  
 • expected availability for versions with ECG from end of first quarter 2009



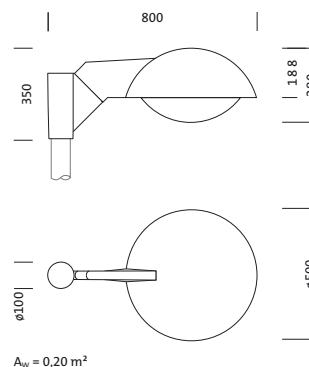
— C 0/180  
 - - - C 90/270  
 Luminous intensity class according to EN13201-2: G4





**DL® 500 MIDI - M | for post-top mounting | with mast mounting element | with enclosure**

Semi-spherical luminaire with integral mast mounting element for spigot size 76mm. Radial faceted optics for HSE/HST, TC-L lamps. With enclosure (PMMA). Aluminium housing, mast mounting of diecast aluminium, surface coated Siteco metallic grey (DB702S). Insulation class: II. Protection rating: IP65. (Mast mounting with 2 or 3-fold arrangements on request)

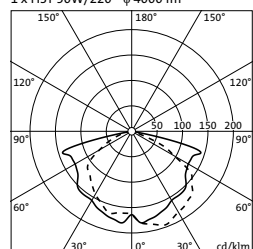


Lamps	Socket	Wt. (kg)	Order No.
<b>with ECG</b>			
2xTC-L 18W	2G11	13.3	5LA24772KA0MW08
<b>with LLCG</b>			
2xTC-L 18W	2G11	13.7	5LA24712KA0MW08
<b>with CCG w. th. prot., p.f. corr.</b>			
1xHST/HSE 50W <sup>4)</sup>	E27	13.9	5NA247E1MT0MW08
1xHST/HSE 70W	E27	ECO 13.6	5NA247E1MT1MW08

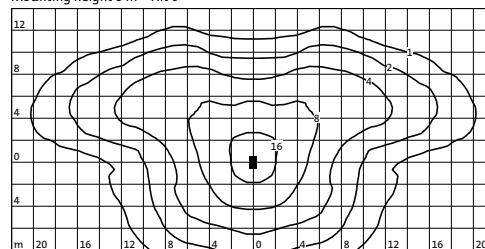
<sup>4)</sup> control gear with 2x power tapping 50/70W  
 • versions for HIT-CE lamps on request

**5NA247E1MT0MW08**

1 x HST 50W/220 φ 4000 lm



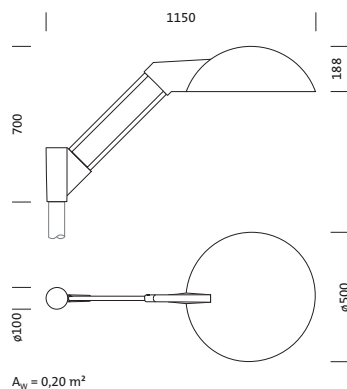
Mounting height 6 m Tilt 0°





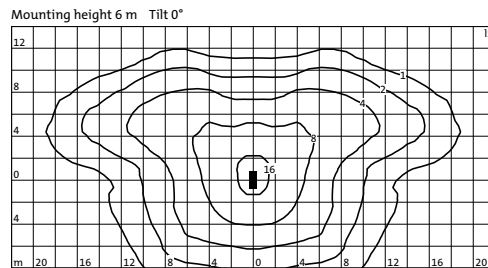
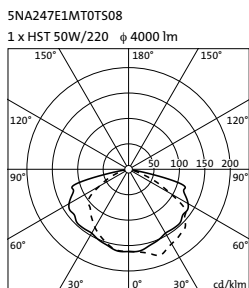
**DL® 500 MIDI - T | for post-top mounting | with supporting structure | with cover**

Semi-spherical luminaire with integral mast mounting element and supporting structure for spigot size 76mm. Radial faceted optics for HIT-CE-od, HIE/HIT-CE, HSE/HST, TC-L lamps. With cover (toughened safety glass). Optionally in combination with state-of-the-art electronic control gear (ECG) technology and SLC lighting management components. Aluminium housing, mast mounting and mast mounting element of diecast aluminium, surface coated Siteco metallic grey (DB702S). V4A carrying elements. Insulation class: II. Protection rating: IP65. (Mast mounting with 2 or 3-fold arrangements on request)



Lamps	Socket	Wt. (kg)	Order No.
<b>with ECG</b>			
1xHIT-CE 70W	E27	15.0	5NA24771LT6TS08
1xHIT-CE-od 45W	PGZ12	15.1	5NA24771AW0TS08
1xHIT-CE-od 60W	PGZ12	15.1	5NA24771BW0TS08
2xTC-L 18W	2G11	15.2	5LA24772KA0TS08
<b>with ECG(1..10V)</b>			
1xHST/HSE 70W	E27	15.0	5NA24771MT6TS08
<b>with ECG(1..10V), with luminaire controller</b>			
1xHST/HSE 70W	E27	15.2	5NA24791MT6TS08
<b>with LLCG</b>			
2xTC-L 18W	2G11	15.6	5LA24712KA0TS08
<b>with CCG w. th. prot., p.f. corr.</b>			
1xHIE-CE 35W	E27	15.8	5NA247E1HT0TS08
1xHST/HSE 50W <sup>4)</sup>	E27	15.8	5NA247E1MT0TS08
1xHST/HSE 70W	E27	ECO	5NA247E1MT1TS08

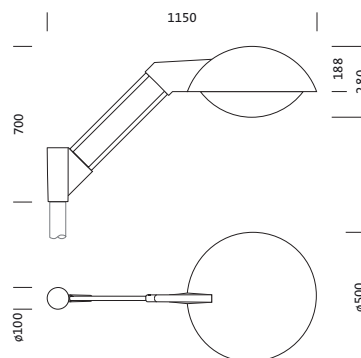
4) control gear with 2x power tapping 50/70W  
 \* expected availability for versions with ECG from end of first quarter 2009





**DL® 500 MIDI - T | for post-top mounting | with supporting structure | with enclosure**

Semi-spherical luminaire with integral mast mounting element and supporting structure for spigot size 76mm. Radial faceted optics for HSE/HST, TC-L lamps. With enclosure (PMMA). Aluminium housing, mast mounting and mast mounting element of diecast aluminium, surface coated Siteco metallic grey (DB702S). V4A carrying elements. Insulation class: II. Protection rating: IP65. (Mast mounting with 2 or 3-fold arrangements on request)



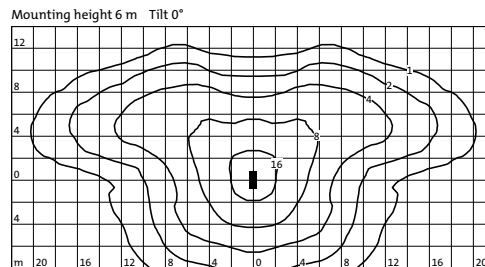
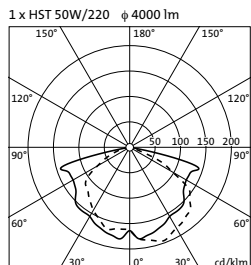
A<sub>w</sub> = 0,20 m<sup>2</sup>



Lamps	Socket	Wt. (kg)	Order No.
<b>with ECG</b>			
2xTC-L 18W	2G11	14.3	5LA24772KA0TW08
<b>with LLCG</b>			
2xTC-L 18W	2G11	14.7	5LA24712KA0TW08
<b>with CCG w. th. prot., p.f. corr.</b>			
1xHST/HSE 50W <sup>4)</sup>	E27	14.9	5NA247E1MT0TW08
1xHST/HSE 70W	E27	14.6	5NA247E1MT1TW08

<sup>4)</sup> control gear with 2x power tapping 50/70W  
 • versions for HIT-CE lamps on request

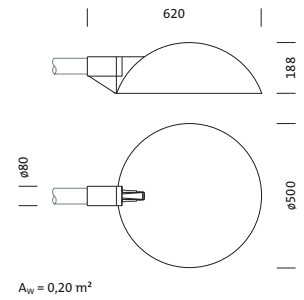
5NA247E1MT0TW08





**DL® 500 MIDI - A | for side-entry mounting | with mast mounting element | with cover**

Semi-spherical luminaire with integral mast mounting element for spigot size 60mm. Radial faceted optics for HIT-CE-od, HIE/HIT-CE, HSE/HST, TC-L lamps. With cover (toughened safety glass). Optionally with state-of-the-art electronic control gear (ECG) technology and SLC lighting management components. Aluminium housing, mast mounting of diecast aluminium, surface coated Siteco metallic grey (DB702S). Insulation class: II. Protection rating: IP65. (42mm spigot size with reducer)

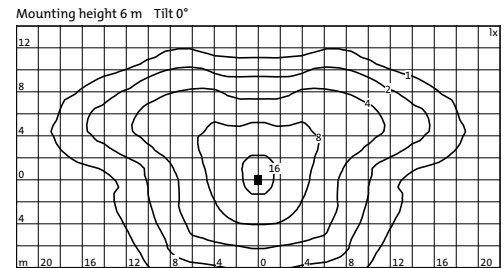
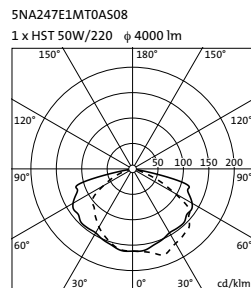


A<sub>w</sub> = 0,20 m<sup>2</sup>



Lamps	Socket	Wt. (kg)	Order No.
<b>with ECG</b>			
1xHIT-CE 70W	E27	11.0	5NA24771LT6AS08
1xHIT-CE-od 45W	PGZ12	11.1	5NA24771AW0AS08
1xHIT-CE-od 60W	PGZ12	11.1	5NA24771BW0AS08
2xTC-L 18W	2G11	11.2	5LA24772KA0AS08
<b>with ECG(1..10V)</b>			
1xHST/HSE 70W	E27	11.0	5NA24771MT6AS08
<b>with ECG(1..10V), with luminaire controller</b>			
1xHST/HSE 70W	E27	11.2	5NA24791MT6AS08
<b>with LLCG</b>			
2xTC-L 18W	2G11	11.6	5LA24712KA0AS08
<b>with CCG w. th. prot., p.f. corr.</b>			
1xHIE-CE 35W	E27	11.8	5NA247E1HT0AS08
1xHST/HSE 50W <sup>4)</sup>	E27	11.8	5NA247E1MT0AS08
1xHST/HSE 70W	E27	ECO	5NA247E1MT1AS08

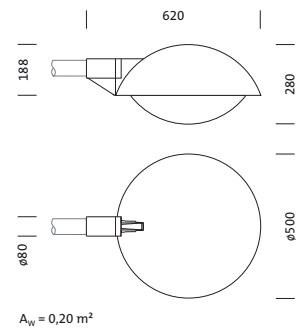
4) control gear with 2x power tapping 50/70W  
 • please order reducer separately  
 • expected availability for versions with ECG from end of first quarter 2009





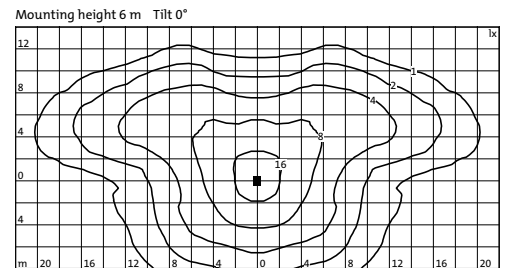
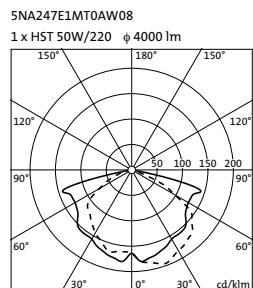
**DL® 500 MIDI - A | for side-entry mounting | with mast mounting element | with enclosure**

Semi-spherical luminaire with integral mast mounting element for spigot size 60mm. Radial faceted optics for HSE/HST, TC-L lamps. With enclosure (PMMA). Aluminium housing, mast mounting of diecast aluminium, surface coated Siteco metallic grey (DB7025). Insulation class: II. Protection rating: IP65. (42mm spigot size with reducer)



Lamps	Socket	Wt. (kg)	Order No.
<b>with ECG</b>			
2xTC-L 18W	2G11	10.3	5LA24772KA0AW08
<b>with LLCG</b>			
2xTC-L 18W	2G11	10.7	5LA24712KA0AW08
<b>with CCG w. th. prot., p.f. corr.</b>			
1xHST/HSE 50W <sup>4)</sup>	E27	10.9	5NA247E1MT0AW08
1xHST/HSE 70W	E27	10.6	5NA247E1MT1AW08

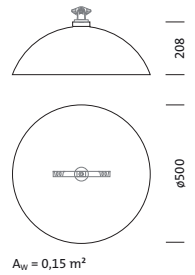
4) control gear with 2x power tapping 50/70W  
 • please order reducer separately  
 • versions for HIT-CE lamps on request





**DL® 500 MIDI - S | for catenary mounting | with cover**

Semi-spherical luminaire for mounting to wire suspension. Radial faceted optics for HIT-CE-od, HIE/HIT-CE, HSE/HST lamps. With cover (toughened safety glass). Optionally with state-of-the-art electronic control gear (ECG) technology and SLC lighting management components. Aluminium housing with integrated G1/2" thread, surface coated Siteco metallic grey (DB7025). Insulation class: II. Protection rating: IP65. (without wire suspension)



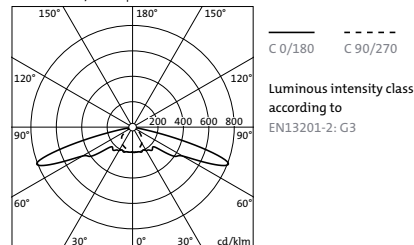
Lamps	Socket	Wt. (kg)	Order No.
<b>with ECG</b>			
1xHIT-CE 70W	E27	10.0	5NA24771LT6SS08
1xHIT-CE-od 45W	PGZ12	10.1	5NA24771AW0SS08
1xHIT-CE-od 60W	PGZ12	10.1	5NA24771BW0SS08
<b>with ECG(1..10V)</b>			
1xHST/HSE 70W	E27	10.0	5NA24771MT6SS08
<b>with ECG(1..10V), with luminaire controller</b>			
1xHST/HSE 70W	E27	10.2	5NA24791MT6SS08
<b>with CCG w. th. prot., p.f. corr.</b>			
1xHIE-CE 35W	E27	10.8	5NA247E1HT0SS08
1xHST/HSE 50W <sup>4)</sup>	E27	11.0	5NA247E1MT0SS08
1xHST/HSE 70W	E27	ECO	5NA247E1MT1SS08

4) control gear with 2x power tapping 50/70W  
 • please order wire suspension separately  
 • expected availability for versions with ECG from end of first quarter 2009

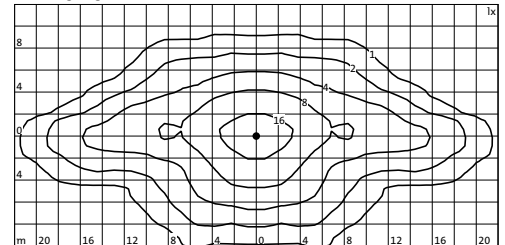
**Mandatory accessories**

Article	Wt. (kg)	Order No.
wire suspension, one swivel axis	0.5	5NA18100XA08
wire suspension, two swivel axes	0.6	5NY900408

5NA247E1MT0SS08  
 1 x HST 50W/220  $\phi$  4000 lm



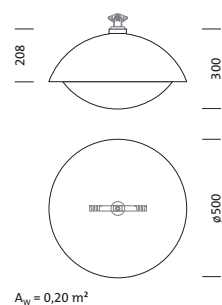
Mounting height 6 m Tilt 0°





**DL® 500 MIDI - S | for catenary mounting | with enclosure**

Semi-spherical luminaire for mounting to wire suspension. Radial faceted optics for HSE/HST lamping. With enclosure (PMMA). Aluminium housing with integrated G1/2" thread, surface coated Siteco metallic grey (DB702S). Insulation class: II. Protection rating: IP65. (without wire suspension)



IP 65

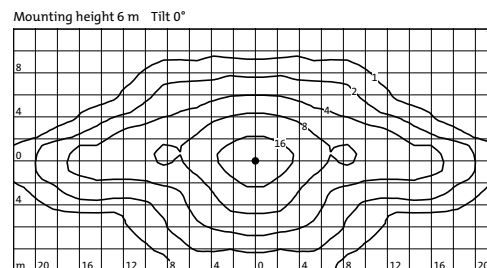
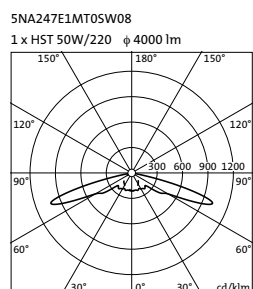


Lamps	Socket		Wt. (kg)	Order No.
<b>with CCG w. th. prot., p.f. corr.</b>				
1xHST/HSE 50W <sup>4)</sup>	E27		10.1	5NA247E1MT05W08
1xHST/HSE 70W	E27	ECO	10.2	5NA247E1MT15W08

4) control gear with 2x power tapping 50/70W  
 • please order wire suspension separately  
 • versions for HIT-CE lamps on request

**Mandatory accessories**

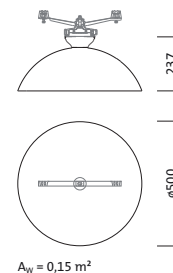
Article	Wt. (kg)	Order No.
wire suspension, one swivel axis	0.5	5NA18100XA08
wire suspension, two swivel axes	0.6	5NY900408





**DL® 500 MIDI - K | for catenary mounting via plug-in coupling | with cover**

Semi-spherical luminaire for mounting to wire suspension. Radial faceted optics for HIT-CE-od, HIE/HIT-CE, HSE/HST lamps. With cover (toughened safety glass). Automatic all-pole power disconnection when coupling is hinged downwards. Optionally in combination with state-of-the-art electronic control gear technology and SLC lighting management components. Aluminium housing with integrated plug-in coupling, surface coated Siteco metallic grey (DB702S). Insulation class: II. Protection rating: IP65. (without wire suspension)



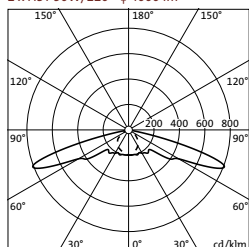
Lamps	Socket	Wt. (kg)	Order No.
<b>with ECG</b>			
1xHIT-CE 70W	E27	10.6	5NA24771LT6KS08
1xHIT-CE-od 45W	PGZ12	10.7	5NA24771AW0KS08
1xHIT-CE-od 60W	PGZ12	10.7	5NA24771BW0KS08
<b>with ECG(1..10V)</b>			
1xHST/HSE 70W	E27	10.6	5NA24771MT6KS08
<b>with ECG(1..10V), with luminaire controller</b>			
1xHST/HSE 70W	E27	10.8	5NA24791MT6KS08
<b>with CCG w. th. prot., p.f. corr.</b>			
1xHIE-CE 35W	E27	11.4	5NA247E1HT0KS08
1xHST/HSE 50W <sup>4)</sup>	E27	11.2	5NA247E1MT0KS08
1xHST/HSE 70W	E27	ECO	5NA247E1MT1KS08

4) control gear with 2x power tapping 50/70W  
 • please order wire suspension separately  
 • expected availability for versions with ECG from end of first quarter 2009

**Mandatory accessories**

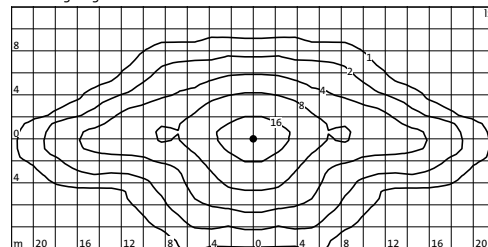
Article	Wt. (kg)	Order No.
wire suspension, two swivel axes	0.9	5LY904208
wire suspension, for through-wiring, two swivel axes	0.9	5LY904308

5NA247E1MT0KS08  
 1 x HST 50W/220 φ 4000 lm



— C 0/180  
 - - - C 90/270  
 Luminous intensity class according to EN13201-2: G3

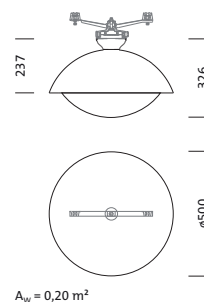
Mounting height 6 m Tilt 0°





**DL® 500 MIDI - K | for catenary mounting via plug-in coupling | with enclosure**

Semi-spherical luminaire for mounting to wire suspension. Radial faceted optics for HSE/HST lamping. With enclosure (PMMA). Automatic all-pole power disconnection when coupling is hinged downwards. Aluminium housing with integrated plug-in coupling, surface coated Siteco metallic grey (DB702S). Insulation class: II. Protection rating: IP65. (without wire suspension)



IP 65 □ † CE

Lamps	Socket		Wt. (kg)	Order No.
<b>with CCG w. th. prot., p.f. corr.</b>				
1xHST/HSE 50W <sup>4)</sup>	E27		10.3	5NA247E1MT0KW08
1xHST/HSE 70W	E27	ECO	11.1	5NA247E1MT1KW08

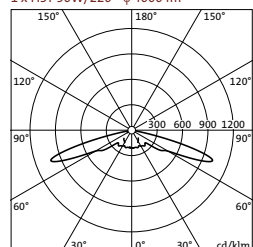
<sup>4)</sup> control gear with 2x power tapping 50/70W  
 • please order wire suspension separately  
 • versions for HIT-CE lamps on request

**Mandatory accessories**

Article	Wt. (kg)	Order No.
wire suspension, two swivel axes	0.9	5LY904208
wire suspension, for through-wiring, two swivel axes	0.9	5LY904308

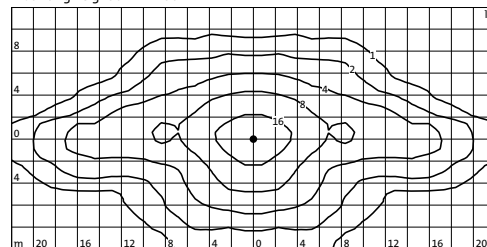
**5NA247E1MT0KW08**

1 x HST 50W/220 φ 4000 lm



— C 0/180    - - - C 90/270  
 Luminous intensity class according to EN13201-2: G3

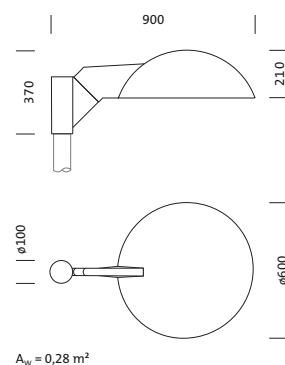
**Mounting height 6 m Tilt 0°**





DL® 500 MAXI - M | for post-top mounting | with mast mounting element | with cover

Semi-spherical luminaire with integral mast mounting element for spigot size 76mm. Radial faceted optics for HIT-CE-od, HIT-CE, HSE/HST lamps. With cover (toughened safety glass). Optionally in combination with state-of-the-art electronic control gear (ECG) technology and SLC lighting management components. Aluminium housing, mast mounting of diecast aluminium, surface coated Siteco metallic grey (DB702S). Insulation class: II. Protection rating: IP65. (Mast mounting with 2 or 3-fold arrangements on request)



IP 65 □ + CE

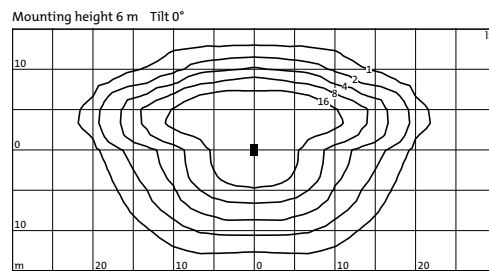
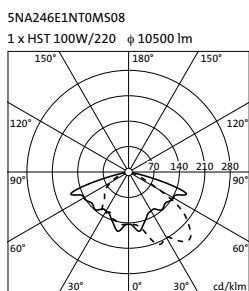
Lamps	Socket	Wt. (kg)	Order No.
<b>with ECG</b>			
1xHIT-CE 100W	E40	17.1	5NA24671OT6MS08
1xHIT-CE 150W	E40	17.1	5NA24671QT6MS08
1xHIT-CE-od 60W	PGZ12	17.2	5NA24671BW0MS08
1xHIT-CE-od 90W	PGZ12	17.3	5NA24671CW0MS08
1xHIT-CE-od 140W	PGZ12	17.3	5NA24671DW0MS08

<b>with ECG(1..10V)</b>			
1xHST/HSE 100W	E40	17.1	5NA24671NT6MS08
1xHST/HSE 150W	E40	17.1	5NA24671PT6MS08

<b>with ECG(1..10V), with luminaire controller</b>			
1xHST/HSE 100W	E40	17.4	5NA24691NT6MS08
1xHST/HSE 150W	E40	17.4	5NA24691PT6MS08

<b>with CCG w. th. prot., p.f. corr.</b>				
1xHST/HSE 100W	E40	ECO	18.6	5NA246E1NT1MS08
1xHST/HSE 150W	E40	ECO	18.8	5NA246E1PT1MS08
1xHST/HSE 250W	E40		19.0	5NA246E1ST0MS08
1xHST/HSE/HIT-CE 100W	E40		17.7	5NA246E1NT0MS08
1xHST/HSE/HIT-CE 150W	E40		18.2	5NA246E1PT0MS08
1xHSE 50W <sup>4)</sup>	E27		17.4	5NA246E1MT0MS08
1xHSE 70W	E27	ECO	18.1	5NA246E1MT1MS08

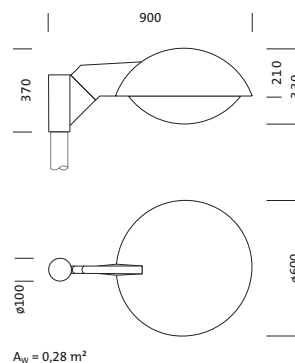
4) control gear with 2x power tapping 50/70W  
 \* expected availability for versions with ECG from end of first quarter 2009





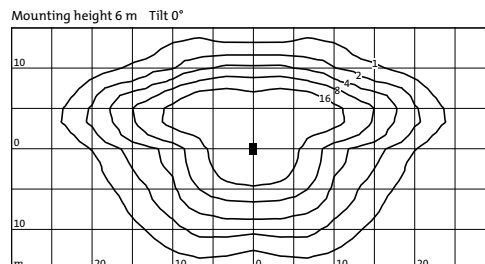
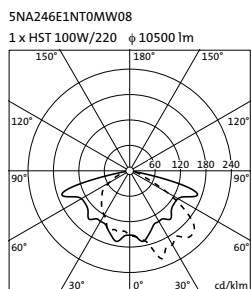
DL® 500 MAXI - M | for post-top mounting | with mast mounting element | with enclosure

Semi-spherical luminaire with integral mast mounting element for spigot size 76mm. Radial faceted optics for HSE/HST lamping. With enclosure (PMMA). Aluminium housing, mast mounting of diecast aluminium, surface coated Siteco metallic grey (DB702S). Insulation class: II. Protection rating: IP65. (Mast mounting with 2 or 3-fold arrangements on request)



Lamps	Socket		Wt. (kg)	Order No.
<b>with CCG w. th. prot., p.f. corr.</b>				
1xHST/HSE 100W	E40		16.2	5NA246E1NT0MW08
1xHST/HSE 100W	E40	ECO	17.1	5NA246E1NT1MW08
1xHST/HSE 150W	E40		16.7	5NA246E1PT0MW08
1xHST/HSE 150W	E40	ECO	17.3	5NA246E1PT1MW08
1xHST/HSE 250W	E40		17.5	5NA246E1ST0MW08
1xHSE 50W <sup>4)</sup>	E27		15.9	5NA246E1MT0MW08
1xHSE 70W	E27	ECO	16.6	5NA246E1MT1MW08

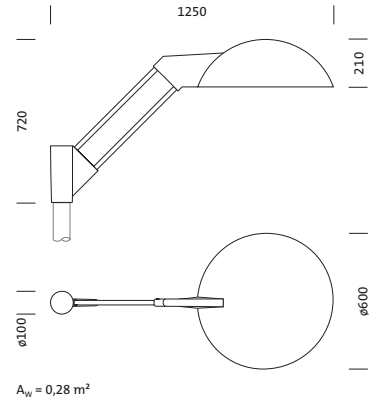
4) control gear with 2x power tapping 50/70W  
 \* versions for HIT-CE lamps on request





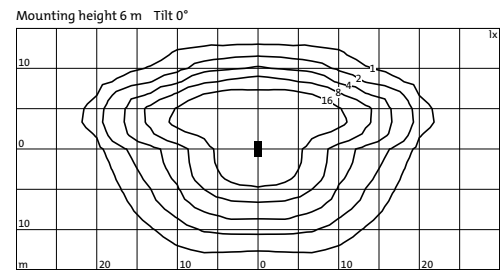
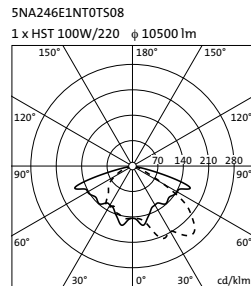
**DL® 500 MAXI - T | for post-top mounting | with supporting structure | with cover**

Semi-spherical luminaire with integral mast mounting element and supporting structure for spigot size 76mm. Radial faceted optics for HIT-CE-od, HIT-CE, HSE/HST lamps. With cover (toughened safety glass). Optionally with state-of-the-art electronic control gear (ECG) technology and SLC lighting management components. Aluminium housing, mast mounting and mast mounting element of diecast aluminium, surface coated Siteco metallic grey (DB702S). V4A carrying elements. Insulation class: II. Protection rating: IP65. (Mast mounting with 2 or 3-fold arrangements on request)



Lamps	Socket		Wt. (kg)	Order No.
<b>with ECG</b>				
1xHIT-CE 100W	E40		17.9	5NA24671OT6TS08
1xHIT-CE 150W	E40		17.9	5NA24671QT6TS08
1xHIT-CE-od 60W	PGZ12		18.0	5NA24671BW0TS08
1xHIT-CE-od 90W	PGZ12		18.1	5NA24671CW0TS08
1xHIT-CE-od 140W	PGZ12		18.1	5NA24671DW0TS08
<b>with ECG(1..10V)</b>				
1xHST/HSE 100W	E40		17.9	5NA24671NT6TS08
1xHST/HSE 150W	E40		17.9	5NA24671PT6TS08
<b>with ECG(1..10V), with luminaire controller</b>				
1xHST/HSE 100W	E40		18.2	5NA24691NT6TS08
1xHST/HSE 150W	E40		18.2	5NA24691PT6TS08
<b>with CCG w. th. prot., p.f. corr.</b>				
1xHST/HSE 100W	E40	ECO	19.4	5NA246E1NT1TS08
1xHST/HSE 150W	E40	ECO	19.6	5NA246E1PT1TS08
1xHST/HSE 250W	E40		19.8	5NA246E1ST0TS08
1xHST/HSE/HIT-CE 100W	E40		18.5	5NA246E1NT0TS08
1xHST/HSE/HIT-CE 150W	E40		19.0	5NA246E1PT0TS08
1xHSE 50W <sup>4)</sup>	E27		18.2	5NA246E1MT0TS08
1xHSE 70W	E27	ECO	18.9	5NA246E1MT1TS08

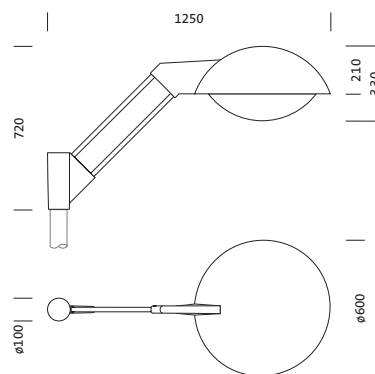
4) control gear with 2x power tapping 50/70W  
 • expected availability for versions with ECG from end of first quarter 2009





**DL® 500 MAXI - T | for post-top mounting | with supporting structure | with enclosure**

Semi-spherical luminaire with integral mast mounting element and supporting structure for spigot size 76mm. Radial faceted optics for HSE/HST lamping. With enclosure (PMMA). Aluminium housing, mast mounting and mast mounting element of diecast aluminium, surface coated Siteco metallic grey (DB702S). V4A carrying elements. Insulation class: II. Protection rating: IP65. (Mast mounting with 2 or 3-fold arrangements on request)

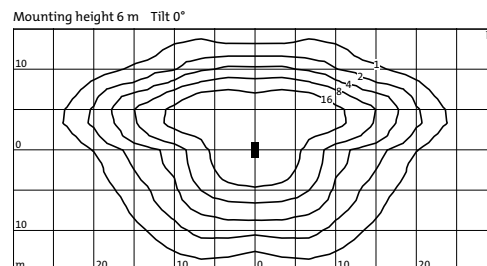
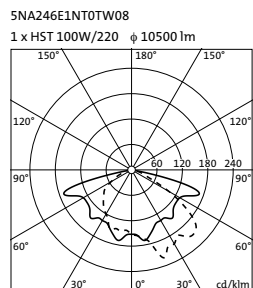


A<sub>w</sub> = 0,28 m<sup>2</sup>



Lamps	Socket		Wt. (kg)	Order No.
<b>with CCG w. th. prot., p.f. corr.</b>				
1xHST/HSE 100W	E40		17.0	5NA246E1NT0TW08
1xHST/HSE 100W	E40	ECO	17.9	5NA246E1NT1TW08
1xHST/HSE 150W	E40		17.5	5NA246E1PT0TW08
1xHST/HSE 150W	E40	ECO	18.1	5NA246E1PT1TW08
1xHST/HSE 250W	E40		18.3	5NA246E1ST0TW08
1xHSE 50W <sup>4)</sup>	E27		16.7	5NA246E1MT0TW08
1xHSE 70W	E27	ECO	17.4	5NA246E1MT1TW08

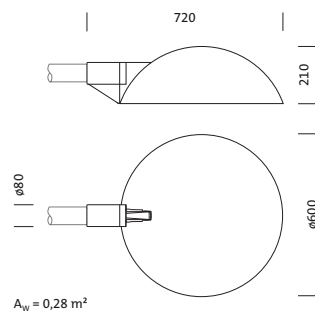
<sup>4)</sup> control gear with 2x power tapping 50/70W  
 • versions for HIT-CE lamps on request





**DL® 500 MAXI - A | for side-entry mounting | with mast mounting element | with cover**

Semi-spherical luminaire for side-entry mounting via integrated mast mounting element of diecast aluminium for spigot size 60mm. Radial faceted optics for HIT-CE-od, HIT-CE, HSE/HST lamps. With cover (toughened safety glass). Optionally with state-of-the-art electronic control gear (ECG) technology and SLC lighting management components. Aluminium housing, mast mounting of diecast aluminium, surface coated Siteco metallic grey (DB7025). Insulation class: II. Protection rating: IP65. (42mm spigot size with reducer)



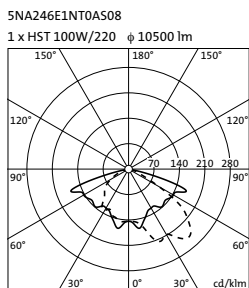
Lamps	Socket	Wt. (kg)	Order No.
<b>with ECG</b>			
1xHIT-CE 100W	E40	14.1	5NA24671OT6AS08
1xHIT-CE 150W	E40	14.1	5NA24671QT6AS08
1xHIT-CE-od 60W	PGZ12	14.2	5NA24671BW0AS08
1xHIT-CE-od 90W	PGZ12	14.3	5NA24671CW0AS08
1xHIT-CE-od 140W	PGZ12	14.3	5NA24671DW0AS08

<b>with ECG(1..10V)</b>			
1xHST/HSE 100W	E40	14.1	5NA24671NT6AS08
1xHST/HSE 150W	E40	14.1	5NA24671PT6AS08

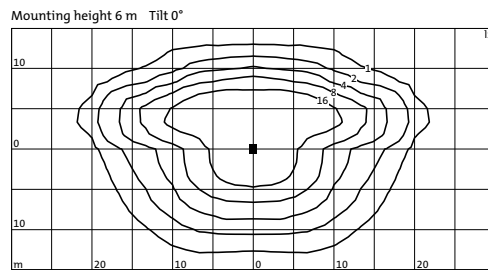
<b>with ECG(1..10V), with luminaire controller</b>			
1xHST/HSE 100W	E40	14.4	5NA24691NT6AS08
1xHST/HSE 150W	E40	14.4	5NA24691PT6AS08

<b>with CCG w. th. prot., p.f. corr.</b>				
1xHST/HSE 100W	E40	ECO	15.6	5NA246E1NT1AS08
1xHST/HSE 150W	E40	ECO	15.8	5NA246E1PT1AS08
1xHST/HSE 250W	E40		16.0	5NA246E1ST0AS08
1xHST/HSE/HIT-CE 100W	E40		14.7	5NA246E1NT0AS08
1xHST/HSE/HIT-CE 150W	E40		15.2	5NA246E1PT0AS08
1xHSE 50W <sup>4)</sup>	E27		14.4	5NA246E1MT0AS08
1xHSE 70W	E27	ECO	15.1	5NA246E1MT1AS08

4) control gear with 2x power tapping 50/70W  
 • please order reducer separately  
 • expected availability for versions with ECG from end of first quarter 2009



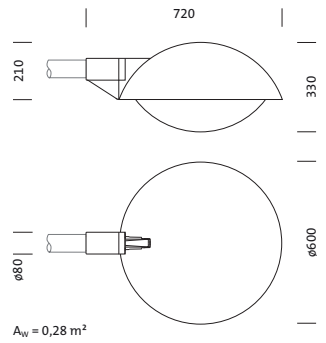
— C 0/180    - - - C 90/270  
 Luminous intensity class according to EN13201-2:G4





**DL® 500 MAXI - A | for side-entry mounting | with mast mounting element | with enclosure**

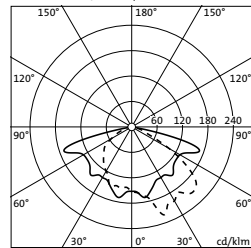
Semi-spherical luminaire for side-entry mounting via integrated mast mounting element of diecast aluminium for spigot size 60mm. Radial faceted optics for HSE/HST lamps. With enclosure (PMMA). Aluminium housing, mast mounting of diecast aluminium, surface coated Siteco metallic grey (DB702S). Insulation class: II. Protection rating: IP65. (42mm spigot size with reducer)



Lamps	Socket		Wt. (kg)	Order No.
<b>with CCG w. th. prot., p.f. corr.</b>				
1xHST/HSE 100W	E40		13.2	5NA246E1NT0AW08
1xHST/HSE 100W	E40	ECO	14.1	5NA246E1NT1AW08
1xHST/HSE 150W	E40		13.7	5NA246E1PT0AW08
1xHST/HSE 150W	E40	ECO	14.3	5NA246E1PT1AW08
1xHST/HSE 250W	E40		14.5	5NA246E1ST0AW08
1xHSE 50W <sup>4)</sup>	E27		12.9	5NA246E1MT0AW08
1xHSE 70W	E27	ECO	13.6	5NA246E1MT1AW08

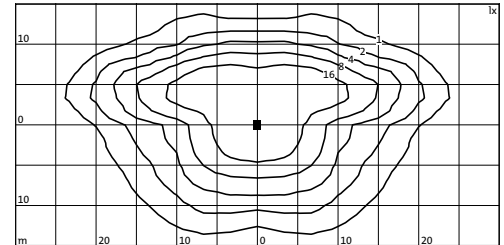
4) control gear with 2x power tapping 50/70W  
 • please order reducer separately  
 • versions for HIT-CE lamps on request

5NA246E1NT0AW08  
 1 x HST 100W/220 φ 10500 lm



— C 0/180    - - - C 90/270  
 Luminous intensity class according to EN13201-2: G3

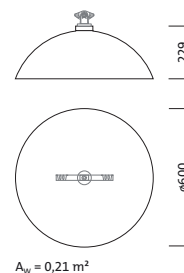
Mounting height 6 m Tilt 0°





DL® 500 MAXI - S | for catenary mounting | with specular reflector, symmetrical distribution | with cover

Semi-spherical luminaire for mounting to wire suspension. Symmetrical specular reflector for HIT-CE-od, HIT-CE, HSE/HST lamps. With cover (toughened safety glass). Optionally with state-of-the-art electronic control gear (ECG) technology and SLC lighting management components. Aluminium housing with integrated G3/4" thread, surface coated Siteco metallic grey (DB702S). Insulation class: II. Protection rating: IP65. (without wire suspension)



Lamps	Socket	Wt. (kg)	Order No.
<b>with ECG</b>			
1xHIT-CE 100W	E40	14.9	5NA24671OT6SR08
1xHIT-CE 150W	E40	14.9	5NA24671QT6SR08
1xHIT-CE-od 60W	PGZ12	15.0	5NA24671BW0SR08
1xHIT-CE-od 90W	PGZ12	15.1	5NA24671CW0SR08
1xHIT-CE-od 140W	PGZ12	15.1	5NA24671DW0SR08

<b>with ECG(1..10V)</b>			
1xHST 100W	E40	14.9	5NA24671NT6SR08
1xHST 150W	E40	14.9	5NA24671PT6SR08

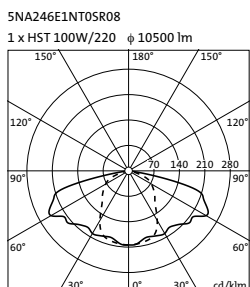
<b>with ECG(1..10V), with luminaire controller</b>			
1xHST 100W	E40	15.2	5NA24691NT6SR08
1xHST 150W	E40	15.2	5NA24691PT6SR08

<b>with CCG w. th. prot., p.f. corr.</b>				
1xHST 100W	E40	ECO	15.1	5NA246E1NT1SR08
1xHST 150W	E40	ECO	16.5	5NA246E1PT1SR08
1xHST/HIT-CE 100W	E40		15.4	5NA246E1NT0SR08
1xHST/HIT-CE 150W	E40		16.5	5NA246E1PT0SR08
1xHST/HIT-CE 250W	E40		16.7	5NA246E1ST0SR08
1xHSE 50W	E27		14.6	5NA246E1JT0SR08
1xHSE 70W <sup>4)</sup>	E27		14.6	5NA246E1MT0SR08
1xHSE 70W	E27	ECO	14.2	5NA246E1MT1SR08

4) control gear with 2x power tapping 50/70W  
 • please order wire suspension separately  
 • expected availability for versions with ECG from end of first quarter 2009

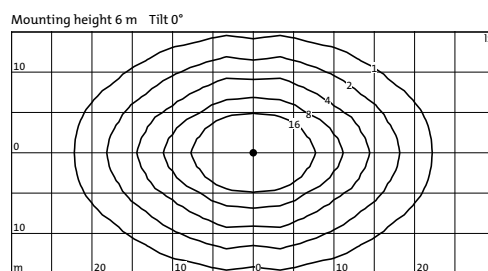
Mandatory accessories

Article	Wt. (kg)	Order No.
wire suspension, one swivel axis	0.5	5NA18100XA08
wire suspension, two swivel axes	0.6	5NY900408



— C 0/180    - - - - C 90/270

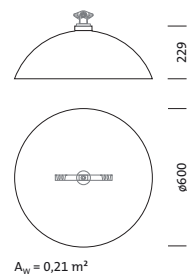
Luminous intensity class according to EN13201-2: G6





DL® 500 MAXI - S | for catenary mounting | with radial faceted optics | with cover

Semi-spherical luminaire for mounting to wire suspension. Radial faceted optics for HIT-CE, HSE/HST lamps. With cover (toughened safety glass). Aluminium housing with integrated G3/4" thread, surface coated Siteco metallic grey (DB702S). Insulation class: II. Protection rating: IP65. (without wire suspension)



A<sub>w</sub> = 0,21 m<sup>2</sup>

IP 65



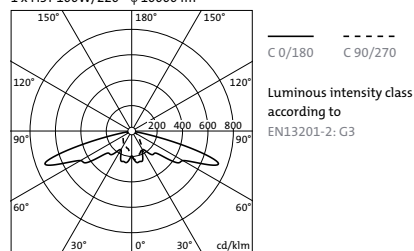
Lamps	Socket		Wt. (kg)	Order No.
<b>with CCG w. th. prot., p.f. corr.</b>				
1xHST 250W	E40		17.6	5NA246E1ST0SS08
1xHST/HIT-CE 100W	E40		15.7	5NA246E1NT0SS08
1xHST/HIT-CE 150W	E40		16.0	5NA246E1PT0SS08
1xHST/HSE 100W	E40	ECO	15.7	5NA246E1NT1SS08
1xHST/HSE 150W	E40	ECO	16.5	5NA246E1PT1SS08
1xHSE 50W <sup>4)</sup>	E27		14.4	5NA246E1MT0SS08
1xHSE 70W	E27	ECO	14.2	5NA246E1MT1SS08

<sup>4)</sup> control gear with 2x power tapping 50/70W  
 • please order wire suspension separately

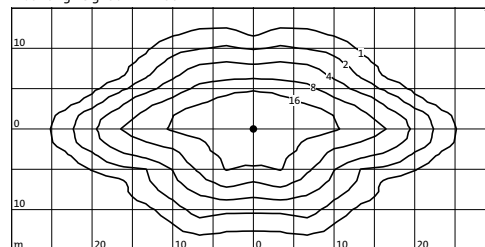
**Mandatory accessories**

Article	Wt. (kg)	Order No.
wire suspension, one swivel axis	0.5	5NA18100XA08
wire suspension, two swivel axes	0.6	5NY900408

5NA246E1NT0SS08  
 1 x HST 100W/220  $\phi$  10000 lm



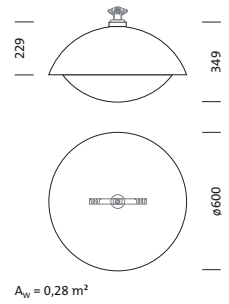
Mounting height 6 m Tilt 0°





**DL® 500 MAXI - S | for catenary mounting | with radial faceted optics | with enclosure**

Semi-spherical luminaire for mounting to wire suspension. Radial faceted optics for HSE/HST lamping. With enclosure (PMMA). Aluminium housing with integrated G3/4" thread, surface coated Siteco metallic grey (DB702S). Insulation class: II. Protection rating: IP65. (without wire suspension)



IP 65



Lamps	Socket		Wt. (kg)	Order No.
<b>with CCG w. th. prot., p.f. corr.</b>				
1xHST 100W	E40		14.2	5NA246E1NT0SW08
1xHST 150W	E40		14.5	5NA246E1PT0SW08
1xHST 250W	E40		16.1	5NA246E1ST0SW08
1xHST/HSE 100W	E40	ECO	14.2	5NA246E1NT1SW08
1xHST/HSE 150W	E40	ECO	15.0	5NA246E1PT1SW08
1xHSE 50W <sup>4)</sup>	E27		12.9	5NA246E1MT0SW08
1xHSE 70W	E27	ECO	12.7	5NA246E1MT1SW08

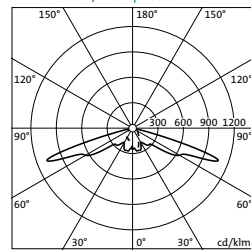
4) control gear with 2x power tapping 50/70W  
 • please order wire suspension separately  
 • versions for HIT-CE lamps on request

**Mandatory accessories**

Article	Wt. (kg)	Order No.
wire suspension, one swivel axis	0.5	5NA18100XA08
wire suspension, two swivel axes	0.6	5NY900408

5NA246E1NT0SW08

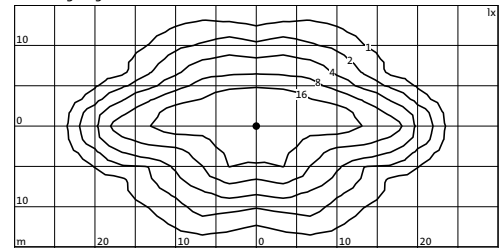
1 x HST 100W/220  $\phi$  10000 lm



— C 0/180    - - - C 90/270

Luminous intensity class according to EN13201-2: G3

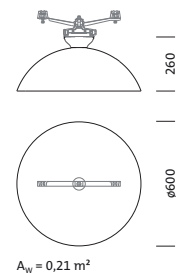
Mounting height 6 m Tilt 0°





DL® 500 MAXI - K | for catenary mounting via plug-in coupling | with specular reflector, symmetrical distribution | with cover

Semi-spherical luminaire for mounting to wire suspension. Symmetrical specular reflector for HIT-CE-od, HIT-CE, HSE/HST lamps. With cover (toughened safety glass). Automatic all-pole power disconnection when coupling is hinged downwards. Optionally with state-of-the-art electronic control gear (ECG) technology and SLC lighting management components. Aluminium housing with integrated plug-in coupling, surface coated Siteco metallic grey (DB702S). Insulation class: II. Protection rating: IP65. (without wire suspension)



A<sub>w</sub> = 0,21 m<sup>2</sup>

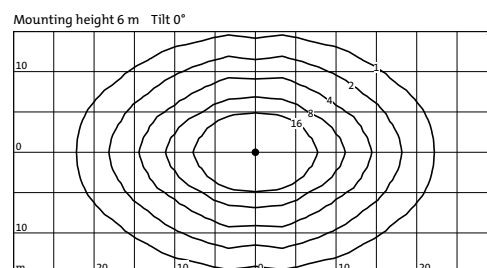
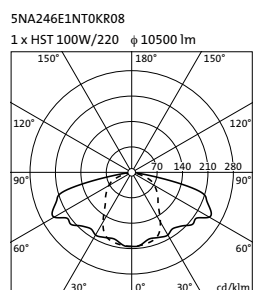


Lamps	Socket		Wt. (kg)	Order No.
<b>with ECG</b>				
1xHIT-CE 100W	E40		13.0	5NA24671OT6KR08
1xHIT-CE 150W	E40		13.3	5NA24671QT6KR08
1xHIT-CE-od 60W	PGZ12		12.9	5NA24671BW0KR08
1xHIT-CE-od 90W	PGZ12		13.0	5NA24671CW0KR08
1xHIT-CE-od 140W	PGZ12		13.0	5NA24671DW0KR08
<b>with ECG(1..10V)</b>				
1xHST 100W	E40		13.0	5NA24671NT6KR08
1xHST 150W	E40		13.0	5NA24671PT6KR08
<b>with ECG(1..10V), with luminaire controller</b>				
1xHST 100W	E40		13.3	5NA24691NT6KR08
1xHST 150W	E40		13.3	5NA24691PT6KR08
<b>with CCG w. th. prot., p.f. corr.</b>				
1xHST 100W	E40	ECO	15.4	5NA246E1NT1KR08
1xHST 150W	E40	ECO	16.8	5NA246E1PT1KR08
1xHST/HIT-CE 100W	E40		15.4	5NA246E1NT0KR08
1xHST/HIT-CE 150W	E40		16.8	5NA246E1PT0KR08
1xHST/HIT-CE 250W	E40		17.1	5NA246E1ST0KR08
1xHSE 50W	E27		14.6	5NA246E1JT0KR08
1xHSE 70W <sup>4)</sup>	E27		14.4	5NA246E1MT0KR08
1xHSE 70W	E27	ECO	14.8	5NA246E1MT1KR08

4) control gear with 2x power tapping 50/70W  
 • please order wire suspension separately  
 • expected availability for versions with ECG from end of first quarter 2009

Mandatory accessories

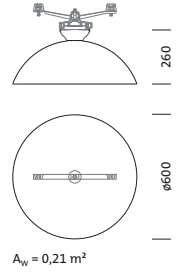
Article	Wt. (kg)	Order No.
wire suspension, two swivel axes	0.9	5LY904208
wire suspension, for through-wiring, two swivel axes	0.9	5LY904308





DL® 500 MAXI - K | for catenary mounting via plug-in coupling | with radial faceted optics | with cover

Semi-spherical luminaire for mounting to wire suspension. Radial faceted optics for HIT-CE, HSE/HST lamps. With cover (toughened safety glass). Automatic all-pole power disconnection when coupling is hinged downwards. Aluminium housing with integrated plug-in coupling, surface coated Siteco metallic grey (DB702S). Insulation class: II. Protection rating: IP65. (without wire suspension)



IP 65 □ † CE

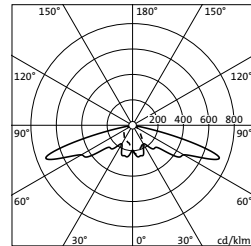
Lamps	Socket		Wt. (kg)	Order No.
<b>with CCG w. th. prot., p.f. corr.</b>				
1xHST 250W	E40		17.6	5NA246E1STOKS08
1xHST/HIT-CE 100W	E40		15.5	5NA246E1NTOKS08
1xHST/HIT-CE 150W	E40		16.5	5NA246E1PTOKS08
1xHST/HSE 100W	E40	ECO	15.5	5NA246E1NT1KS08
1xHST/HSE 150W	E40	ECO	16.8	5NA246E1PT1KS08
1xHSE 50W <sup>4)</sup>	E27		14.5	5NA246E1MTOKS08
1xHSE 70W	E27	ECO	14.6	5NA246E1MT1KS08

4) control gear with 2x power tapping 50/70W  
 • please order wire suspension separately

Mandatory accessories

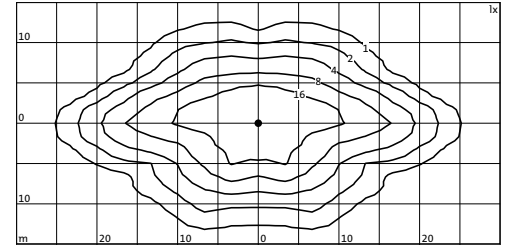
Article	Wt. (kg)	Order No.
wire suspension, two swivel axes	0.9	5LY904208
wire suspension, for through-wiring, two swivel axes	0.9	5LY904308

5NA246E1NTOKS08  
 1 x HST 100W/220  $\phi$  10000 lm



— C 0/180  
 - - - C 90/270  
 Luminous intensity class according to EN13201-2: G3

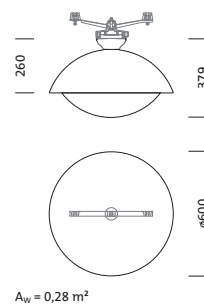
Mounting height 6 m Tilt 0°





DL® 500 MAXI - K | for catenary mounting via plug-in coupling | with radial faceted optics | with enclosure

Semi-spherical luminaire for mounting to wire suspension. Radial faceted optics for HSE/HST lamping. With enclosure (PMMA). Automatic all-pole power disconnection when coupling is hinged downwards. Aluminium housing with integrated plug-in coupling, surface coated Siteco metallic grey (DB702S). Insulation class: II. Protection rating: IP65. (without wire suspension)



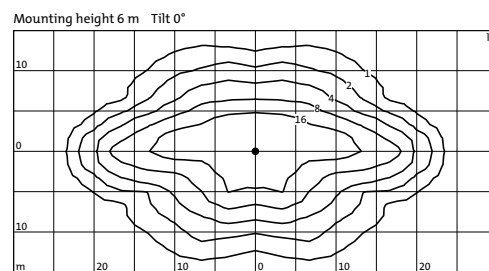
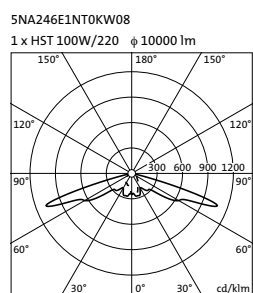
IP 65

Lamps	Socket		Wt. (kg)	Order No.
<b>with CCG w. th. prot., p.f. corr.</b>				
1xHST 100W	E40		14.0	5NA246E1NT0KW08
1xHST 150W	E40		15.0	5NA246E1PT0KW08
1xHST 250W	E40		16.1	5NA246E1ST0KW08
1xHST/HSE 100W	E40	ECO	14.0	5NA246E1NT1KW08
1xHST/HSE 150W	E40	ECO	15.3	5NA246E1PT1KW08
1xHSE 50W <sup>4)</sup>	E27		13.0	5NA246E1MT0KW08
1xHSE 70W	E27	ECO	13.1	5NA246E1MT1KW08

4) control gear with 2x power tapping 50/70W  
 • please order wire suspension separately  
 • versions for HIT-CE lamps on request

Mandatory accessories

Article	Wt. (kg)	Order No.
wire suspension, two swivel axes	0.9	5LY904208
wire suspension, for through-wiring, two swivel axes	0.9	5LY904308



DL® 500 masts and brackets

**Mast bracket, spigot size 76 mm**  
(see figure 1)

Article	Wt. (kg)	Order No.
Bracket, short		
1L	8.5	5NY24621XS08

**Mast bracket, spigot size 76 mm**  
(see figure 2)

Article	Wt. (kg)	Order No.
Bracket, long		
1L	15.2	5NY24621XL08
2L	26.5	5NY24622XL08

Fig. 1

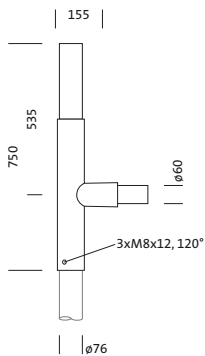
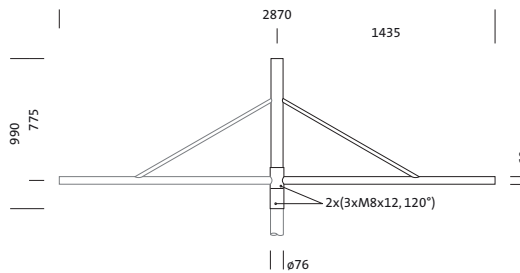


Fig. 2



For further Siteco masts and brackets please consult the "Siteco Lighting Tools Exterior 2008/2009" catalogue.

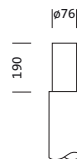
**Spigot dimensions**

DL® 500 - M, -T

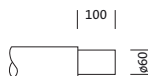


DL® 500 - M, -T

with multiple arrangement



DL® 500 - A



## DL® 500 mast luminaire mounting accessories



**Reducer**  
for DL® 500 MIDI/MAXI

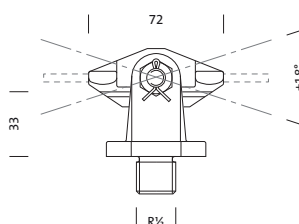
Article	Wt. (kg)	Order No.
Reducer 60/42 mm for MIDI-, MAXI-A	0.2	5NA24600XM4
Reducer 76/60 mm for MIDI-, MAXI-M	1.3	5NA24600XR

## DL® 500 catenary luminaire mounting accessories



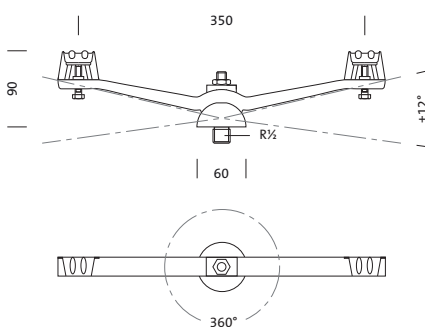
**Wire suspension**  
for DL® 500 MIDI S and MAXI S  
1 swivel axis

Article	Wt. (kg)	Order No.
Wire suspension 1 swivel axis	0.5	5NA18100XA08



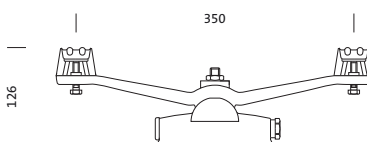
**Wire suspension**  
for DL® 500 MIDI S and MAXI S  
2 swivel axes

Article	Wt. (kg)	Order No.
Wire suspension 2 swivel axes	0.6	5NY900408



**Wire suspension**  
for DL® 500 MIDI K and MAXI K  
**with plug-in coupling, insulation class II**  
– for mounting to catenary cables with diameters 5...12 mm  
– luminaire can be swivelled in two axes, with inner 4-fold coupling  
– automatic disconnection from mains upon opening  
– Siteco metallic grey coating

Article	Wt. (kg)	Order No.
Wire suspension with plug-in coupling without through-wiring	0.9	5LY904208
with through-wiring	2.0	5LY904308



## DL® 500 replacement parts

**Cover  
for DL® 500 MIDI and DL® 500 MAXI**

Article	Wt. (kg)	Order No.
Cover for DL® 500 MIDI	1.0	5NA24700XG
DL® 500 MAXI	1.2	5NA24600XG
DL® 500 MAXI -S, -K with symmetrical reflector	1.2	5NA2460RXG
DL® 500 MAXI -M, -T, -A with HIT-CE-od lamp	1.2	5NA2460KXG

**Enclosure  
for DL® 500 MIDI and DL® 500 MAXI**

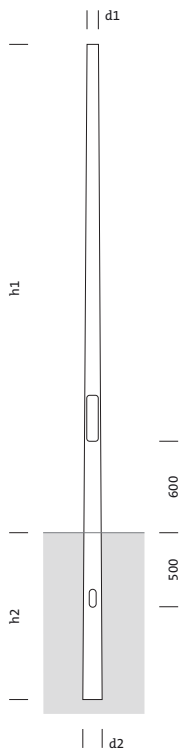
Article	Wt. (kg)	Order No.
Enclosure for DL® 500 MIDI	0.4	5NA24700XW
DL® 500 MAXI	0.5	5NA24600XW



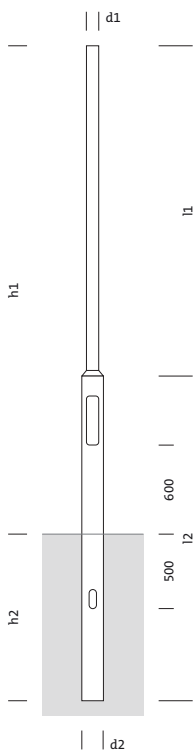


## Masts and brackets

### Conical round masts



### Cylindrical stepped masts



Height h1 (mm)	Found-ation h2 (mm)	Found-ation d (mm)	Wt. (kg)	Order No.
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Spigot $\phi$ d1 = 76 mm				
4000	800	124	35	5NY231740KM08
4500	800	129	39	5NY231745KM08
5000	800	134	44	5NY231750KM08
6000	1000	146	57	5NY231760KM08
8000	1200	168	82	5NY231780KM08

Spigot $\phi$ d1 = 76 mm d2 = 114 mm					
4000	800	2700	2100	31	5NY231740AM08
4500	800	3200	2100	33	5NY231745AM08
5000	800	3200	2600	37	5NY231750AM08
6000	1000	4500	2500	45	5NY231760AM08

### Accessories for conical round and cylindrical stepped masts

Article	Order No.
<b>Edge protection</b>	5NY23101XK0

<b>Shrink-on collars</b>	
Mast $\leq$ 114 mm	5NY23101XM114
Mast $>$ 114 mm	5NY23101XM191

<b>Baseplate 250 mm x 250 mm x 3 mm</b>	
	5NY23101XB250

<b>Baseplate 400 mm x 400 mm x 4 mm</b>	
	5NY23101XB400

### Mast construction

- Straight steel mast (St.37.2) for post-top mounting of luminaires according to DIN EN 40
- Conical round or cylindrically stepped
- 3 mm wall thickness
- Top mast end calibrated, spigot length 100 mm
- Door size 85 mm x 400 mm
- Door flush mounted as standard (coated masts) or overlaid (galvanised masts) with rustproof 12 mm triangular lock
- Equipment ridge with two M6 sliding nuts
- M8 x 15 grounding bolt
- Cable inlet 50 mm x 150 mm

### Surface

- Hot dip galvanised according to DIN 50976, powder coated in Siteco metallic grey

### Custom manufacturing

- Other mast designs
- Other dimensions
- Other wall thicknesses
- Aluminium masts
- Varying door dimensions
- Masts with flange plate
- Masts with steel sleeve
- Other surfaces and liquid coatings

Important ordering information for mast colours:

for galvanised masts please substitute the red number at the end of the order number with 0.

Further RAL and DB colours on request.

## Junction boxes



### for inner mast diameters from 84 mm

- L1, L2, L3, N, PE (N)
- Inner wiring via nickel-plated brass rails
- for 2 cables to 5 x 16 mm<sup>2</sup> or 3 cables to 5 x 10 mm<sup>2</sup>
- two luminaire connection cables can also be routed below, parallel to feeder cable

Fuse inserts	Terminals	Dimensions (L x B x H in mm)	Order No.
2 x E14	L1, L2, L3, N, PE(N)	232 x 69 x 69,5	5NY70012XK
<b>Accessory</b>			
Earthing cable			5NY70002XE

## Masts and brackets

**Windage**

The standard masts are designed for a luminaire weight of max. 20 kg with security class B, deformation class 2, terrain category 2 and windage areas according to the tabular values specified here.

Masts for greater wind loads (e.g. with multiple arrangements) on request.

$A_w$  = windage area of luminaire(s)

MH = mast height without foundation

WZ = wind zone

MH (m)	Spigot (mm)	WZ I (permissible $A_w$ values for luminaires in m <sup>2</sup> )	WZ II	WZ III	Mast basic type
<b>Conical round masts</b>					
3.00	60	0.26	0.20	0.14	5NY231630KM0.
3.50	60	0.42	0.32	0.22	5NY231635KM0.
4.00	60	0.52	0.40	0.28	5NY231640KM0.
4.50	60	0.58	0.43	0.29	5NY231645KM0.
5.00	60	0.47	0.33	0.22	5NY231650KM0.
3.00	76	0.86	0.71	0.52	5NY231730KM0.
3.50	76	0.94	0.76	0.55	5NY23175KM0.
4.00	76	0.58	0.46	0.32	5NY231740KM0.
4.50	76	0.61	0.46	0.32	5NY231745KM0.
5.00	76	0.60	0.45	0.31	5NY231750KM0.
6.00	76	0.57	0.42	0.28	5NY231760KM0.
8.00	76	0.44	0.30	0.19	5NY231780KM0.
10.00	76	0.36	0.24	0.15	5NY231710KM0.
<b>Cylindrical stepped masts</b>					
4.00	60/114	0.48	0.35	0.23	5NY231640AM0.
4.50	60/114	0.34	0.24	0.15	5NY231645AM0.
3.00	76/114	1.29	0.99	0.72	5NY231730AM0.
3.50	76/114	0.97	0.73	0.52	5NY231735AM0.
4.00	76/114	0.85	0.64	0.45	5NY231740AM0.
4.50	76/114	0.64	0.46	0.31	5NY231745AM0.
5.00	76/114	0.60	0.44	0.30	5NY231750AM0.
6.00	76/114	0.42	0.26	0.15	5NY231760AM0.

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