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sitEco

FANTASIE.
Let the Stars Shine.

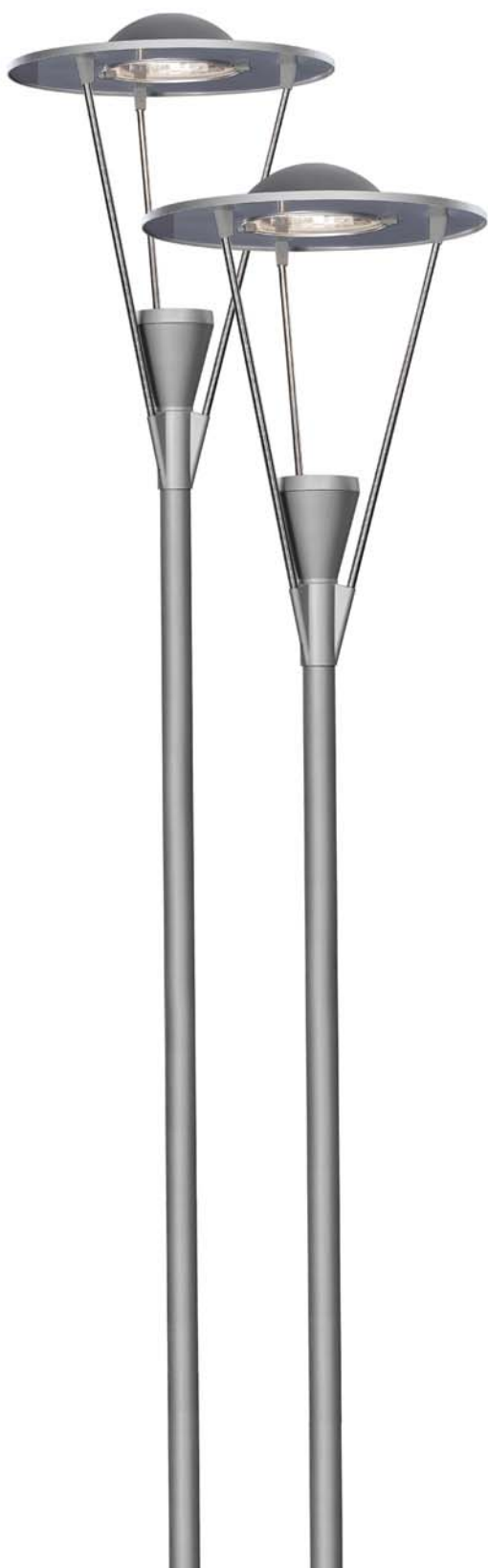
Siteco FANTASiE – Let the Stars Shine

Lantern form with modern design

FANTASiE luminaires are characterised by the formally matched units of mast mounting element and circular luminaire canopy, and their extremely minimised form. Three stainless steel rods rise up from the mast mounting element to support the circular luminaire canopy. They surround the efficient lighting technology consisting of radially faceted reflector system or cycle path reflector, HST or HIT-CE lamp and a flat glass cover or enclosure. Use of flat cover glass minimises light immission (light spill) to adjoining areas. The special construction of the luminaire gives the impression of a floating light source, which in turn lends FANTASiE an elegant and sophisticated appearance.

FANTASiE is exceptionally suitable for the glare-free illumination of town centres, parks and residential areas, and also for service and collection roads.

- + Modern, cost-efficient luminaire system that harmonises optimally to historical and modern urban landscapes
- + Ideal for modernisation of old installations with use of existing standard masts
- + Use of modern, efficient reflector technology:
 - Radial faceted optics** – in combination with cost-efficient lamps this allows maximum wide distribution for large luminaire spacing with uniform illumination of the road
 - Cycle path reflector** – especially effective for illumination of narrow roads and paths, such as pedestrian and cycle paths



Siteco FANTASiE

- no scatter to night sky
- excellent light output ratio



Luminaire without reflector technology

- 'soiling' of night sky
- high level of light spill



No light immission thanks to modern reflector technology. Let the Stars Shine

Radial faceted reflector technology allows the efficient use of lamps. Only those areas are illuminated that have specific lighting requirements. In combination with a flat cover glass, light spill upwards into the night sky is avoided by reducing light immissions to a minimum (cut-off above 90°, luminous intensity is 0 cd/klm). Let the stars shine – with the use of Siteco FANTASiE you can make an important contribution to protection of the night sky

White light – an upgrade for inner city lighting

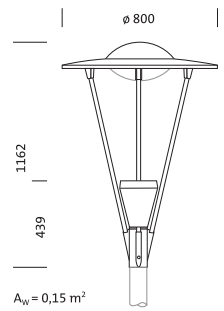
- + Change from yellow to brilliant white light in city centres, shopping streets, pedestrian areas and residential areas by using ceramic metal halide lamps
- + Improved colour rendering within a warm-white illuminated area creates a pleasant atmosphere and also increases safety
- + Ceramic metal halide lamps can be used within Siteco FANTASiE with use of existing ballasts for high pressure sodium lamps





FANTASiE

Innovative luminaire for post-top mounting with spigot diameter 76 mm. Insulation class: II. Protection rating: IP65. Housing of glass-fibre reinforced polyester, diecast aluminium mast mounting element. Canopy mounting with radial faceted optics or cycle path reflector for extremely wide distribution. Siteco metallic grey surface finish (DB7025), canopy underside in white aluminium (RAL 9006). HIT-CE, HST/HSE lamping. Luminaire enclosure with PMMA enclosure or flat glass cover (light immission 0 %).

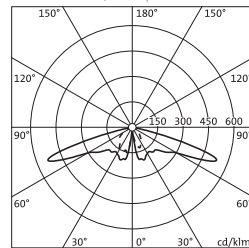


Lamps	Socket		Wt. (kg)	Order No.
with radial faceted optics				
enclosure: flat glass cover				
1 x HST/HSE/HIT-CE 70W ¹⁾	E27		16.3	5NA312E1MT08P
1 x HST/HSE 70W	E27	ECO	16.3	5NA312E1MT18P
enclosure: PMMA				
1 x HST/HSE 70W	E27		16.3	5NA312E1MT08
1 x HST/HSE 70W	E27	ECO	16.3	5NA312E1MT18
with cycle path reflector				
enclosure: flat glass cover				
1 x HST/HIT-CE 70W ¹⁾	E27		15.8	5NA312E1MR08P
1 x HST 70W	E27	ECO	16.0	5NA312E1MR18P
enclosure: PMMA				
1 x HST 70W	E27		15.8	5NA312E1MR08
1 x HST 70W	E27	ECO	16.0	5NA312E1MR18

1) only for HCI-TT and CDO-TT

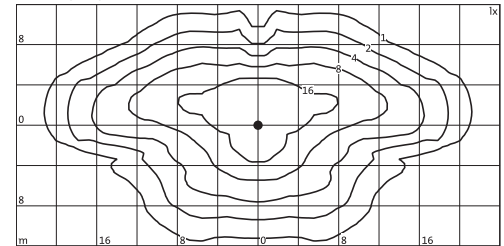
5NA312E1MT08P

1 x HST-X4 70W/220 @ 6500 lm



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

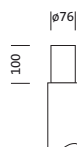
Mounting height 6 m Tilt 0°



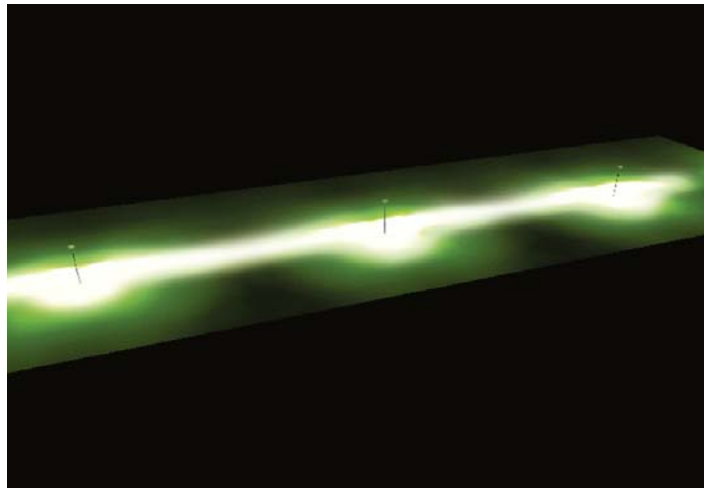
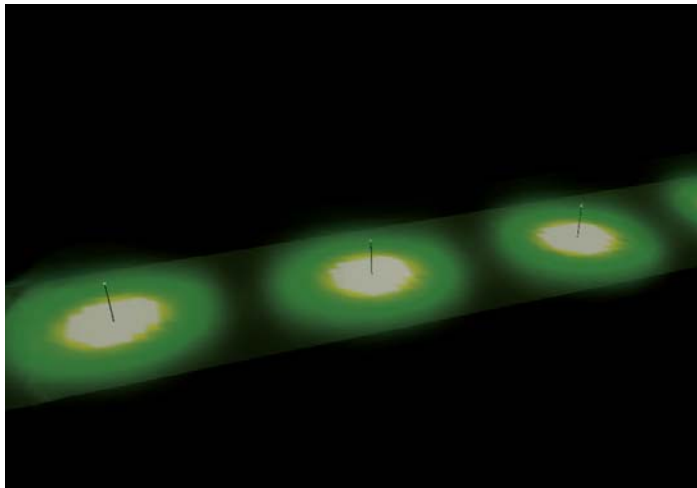
FANTASiE Spare Parts

Enclosure	Description	Wt. (kg)	Order No.
	PMMA enclosure, transparent	0.3	5NA31200XG1
Flat glass cover	Flat glass cover, transparent	0.7	5NA31200XP

Spigot dimensions



A practical example demonstrates the energy saving potential of the Siteco FANTASiE luminaire



Old installation:
luminaire without reflector technology

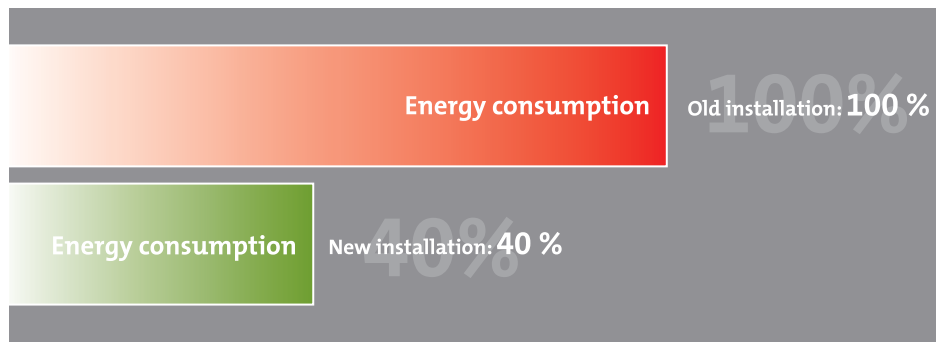
Lamp	HSE 150 W
Luminaire spacing	33 m
Luminaires / km	30
Connected load	5.100 W
Energy consumption	21.420 kWh/J
Energy consumption	100 %

No reflector technology and high energy consumption with use of high wattage lamps. Insufficient illumination of road due to absence of reflector technology.

Refurbished installation: Siteco FANTASiE
with modern reflector technology

Lamp	HST 50W
Luminaire spacing	33 m
Luminaires / km	30
Connected load	1.980 W
Energy consumption	8.316 kWh/J
Energy consumption	40 %

Modern installation: use of state-of-the-art reflector technology. This allows the use of lamps with less wattage achieving an improved illumination of the road. In addition, energy consumption and CO₂ emissions are reduced by 60 %.



The installation refurbished with Siteco FANTASiE achieves an energy saving potential of 60 % compared to the old installation

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