



# UrbanScene

Content for product extract

# Combination of effects

## Flexibility of the range

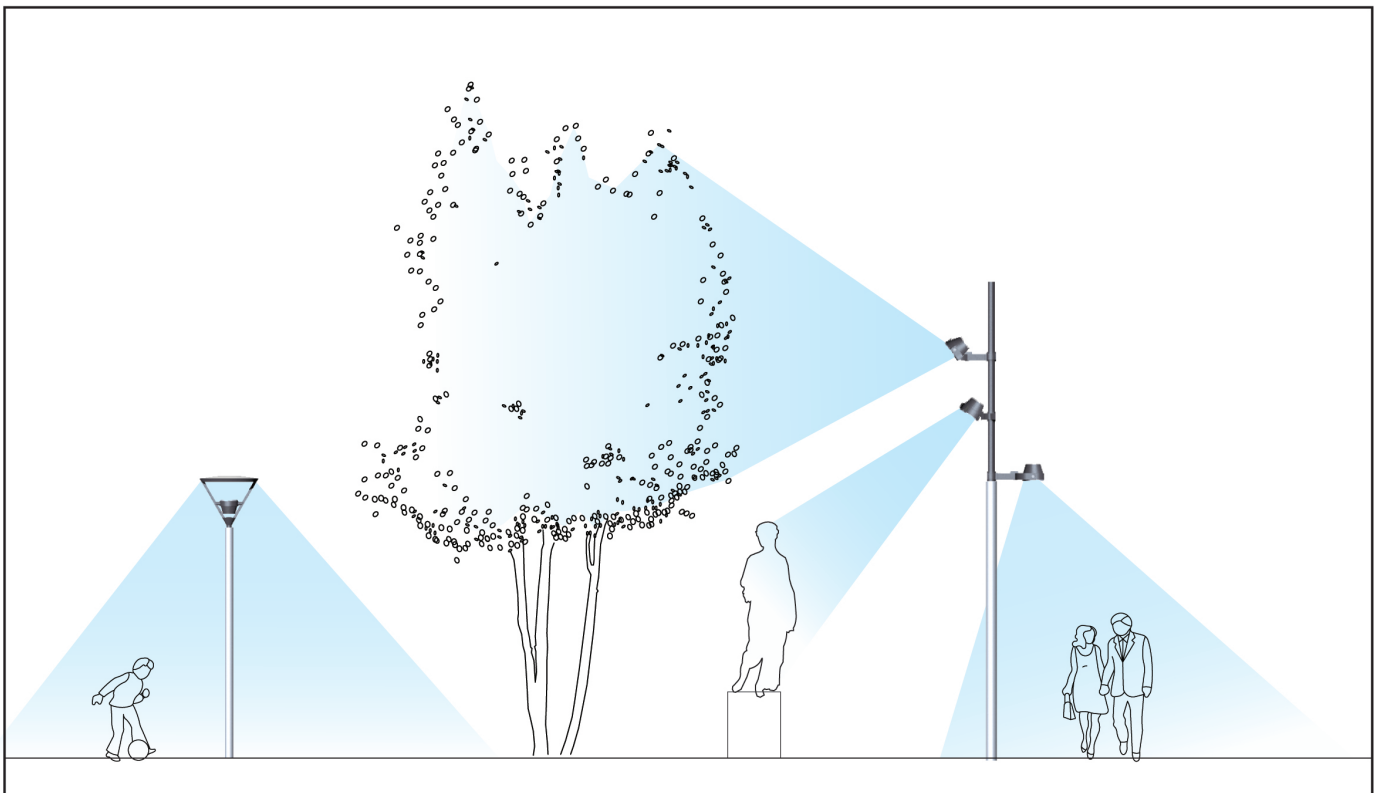
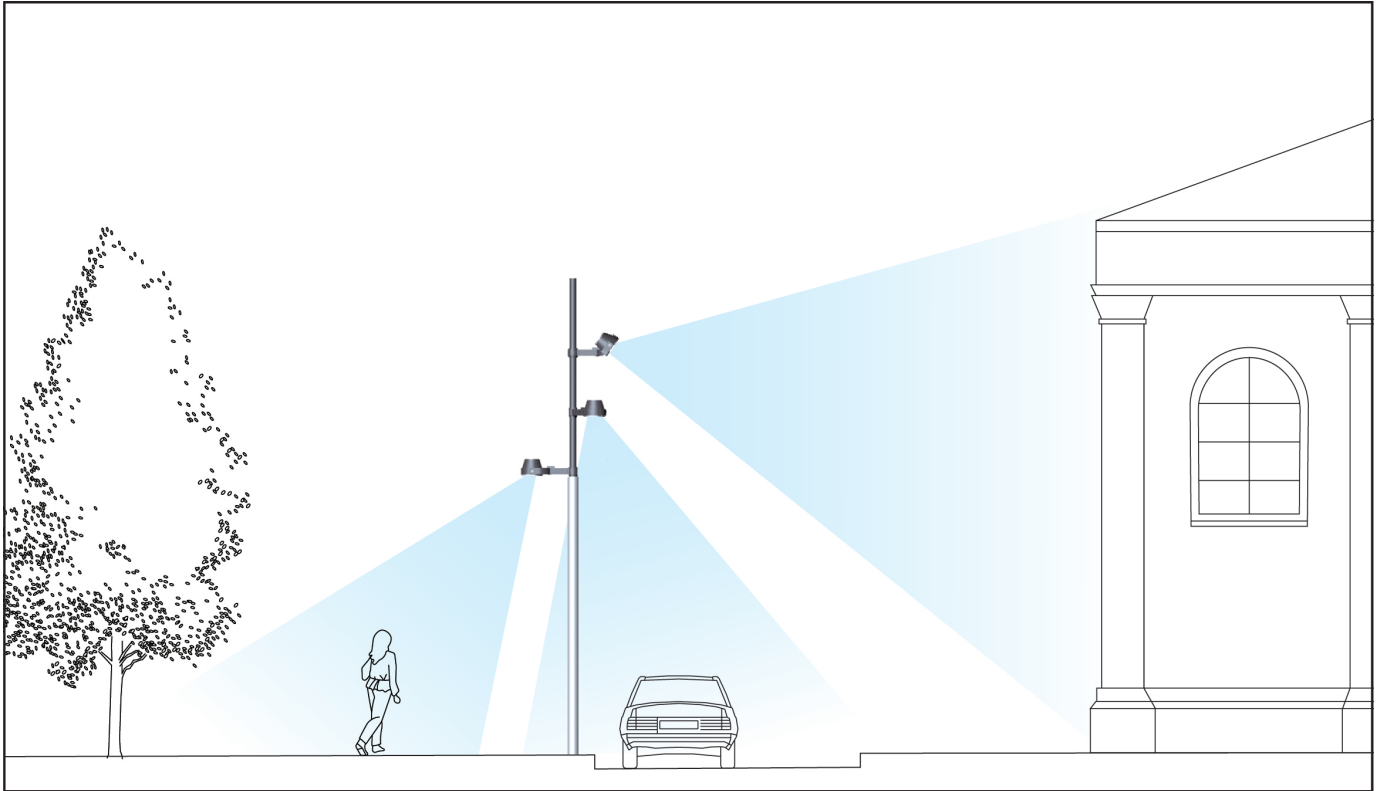
Wide range of applications :

- street lighting,
- area lighting,
- architectural lighting,
- image projection.

## Creativity

- Addition of lighting effects / combinaison of lighting applications
- One unique design of luminaire that enables to cover the all range of applications

# Combination of effects



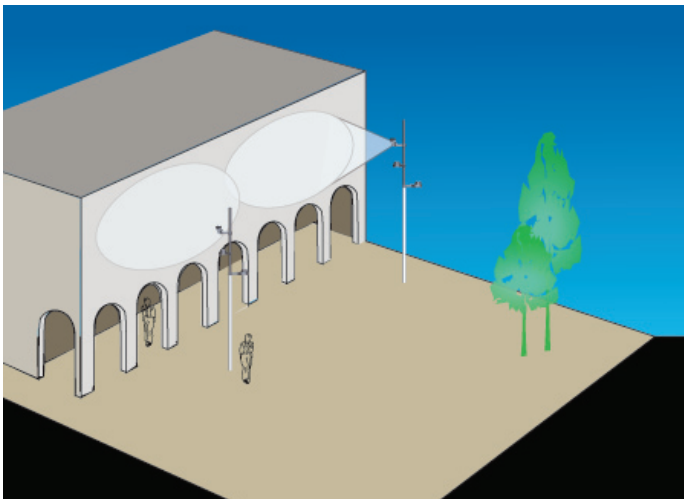
# Architectural lighting

The small pot of UrbanScene can be combined with different rotational beams. The range of beam angles ( $4^{\circ}$  to  $60^{\circ}$ ) enables to illuminate building with front lighting but also to highlight architectural details with accent lighting.

UrbanScene integrates the Solgel colour filters to create attractive colour effects on the facade.

Different glasses can model the lighting effect: a beam softener glass to soften the beam and a fine ridged glass to spread the beam in one direction.

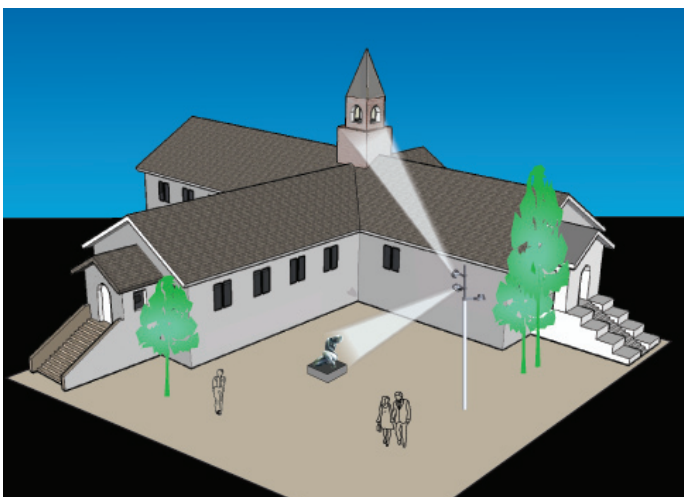
## Typical installations



### - Front lighting

Mounted on mast, the small pots are combined with wide rotational beams. It provides a uniform wash of light on the facade.

Beam width and lamp wattage should be adjusted according to the distance between the mast and the facade.



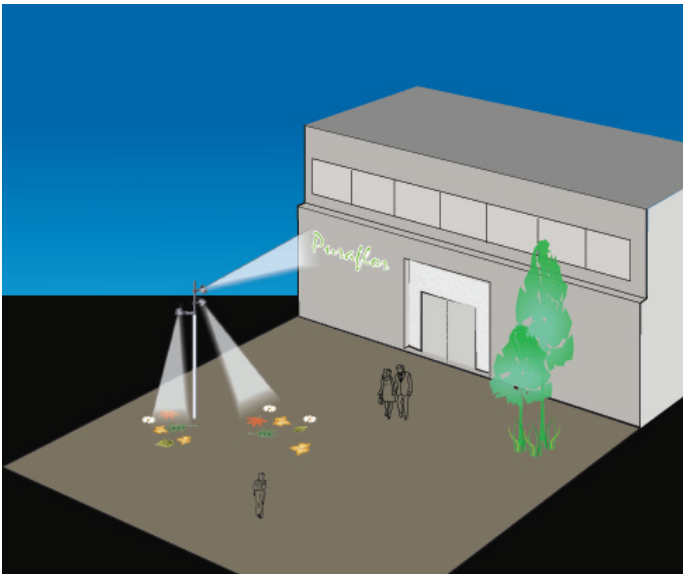
### - Accent lighting

Narrow beams can be used to highlight architectural object on a facade or on a square.

# Image projection

UrbanScene has a small projector that can project images or patterns. The projector is adapted on the small pot.

## Technical data (TO BE CHECKED)



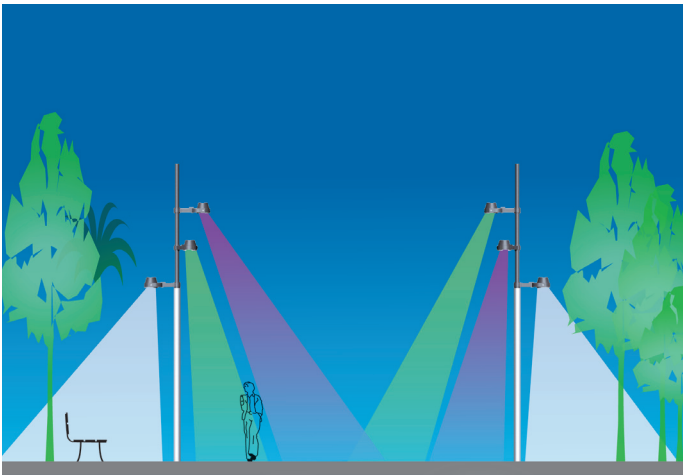
- Fixed focus
- Sharpen the image
- Projection distance : from 4 to 15 m  
CDM-T70W between 4 to 6 meters,  
CDM-SAT150 between 7 to 15 meters
- Optimized for gobo size A (image diameter 75 mm)
- Accessories : color filters, shutters

# Area lighting

## Decorative area lighting

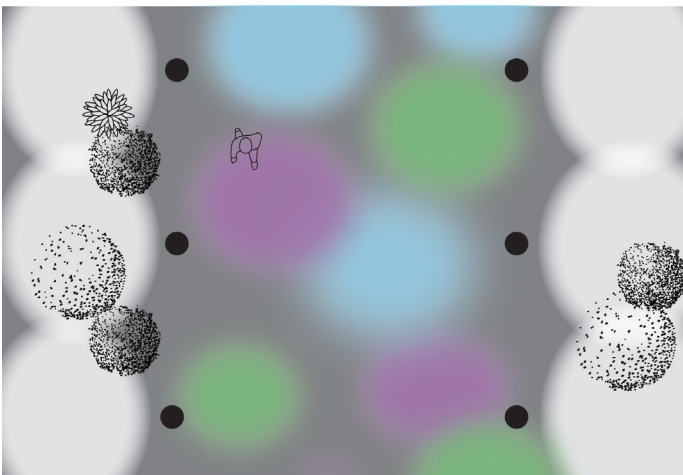
- Creation of ambience in places of city center,
- Play with spot of light and colors.

## Typical installation



- Coloured spot of light on the floor

Luminaire: Small pot with rotational beam  
Mounting height: from 4 to 10 meters  
Optical solution: wide range of beam width ( $4^{\circ}$  to  $60^{\circ}$ )  
Use of Solgel filters to create coloured light

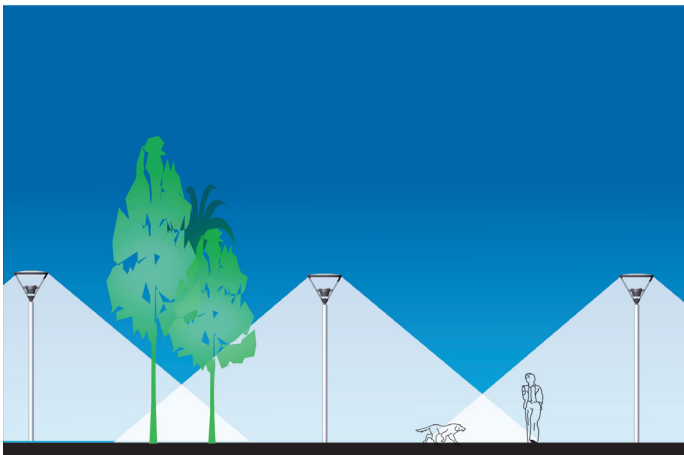


# Area lighting

## Decorative area lighting

- Comfortable lighting in parks or squares
- Good uniformity and adapted lighting levels  
(Fullfiling class S3)
- Choice in colour temperature with Urban LED  
(warm white or neutral white)

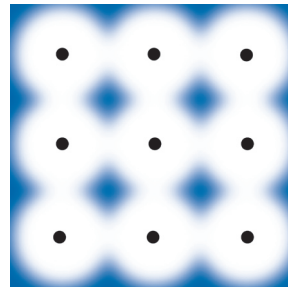
## Typical installations for Class S3 (7.5 lux in average, 1.5 lux minimum)



- Luminaire: Indirect Post-top with TS-IO optic

Mounting height: 4 meters

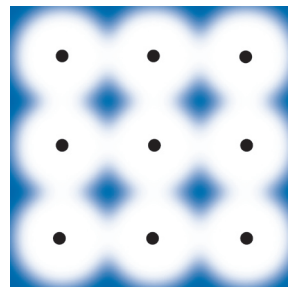
Spacing: 19 meters



- Luminaire: Urban LED with neutral white LED

Mounting height: 4 meters

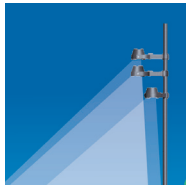
Spacing: 18 meters



# Area lighting

## Functional area lighting

Functional area lighting, such as parking can be lit with UrbanScene. Two optics can provide a good uniformity: the asymmetrical optic and the rotational wide beam 60° optic.

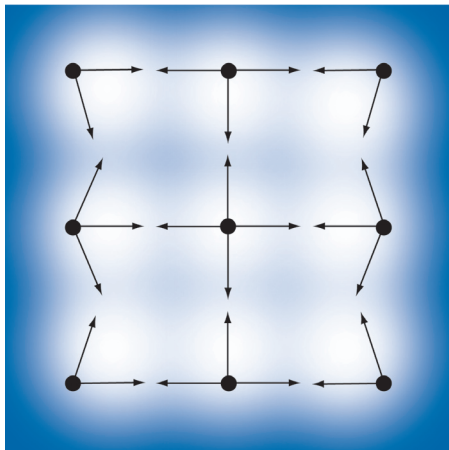


Several pots can be mounted on one mast and directed at the right angle to provide the good lighting level on the floor (see typical installations).

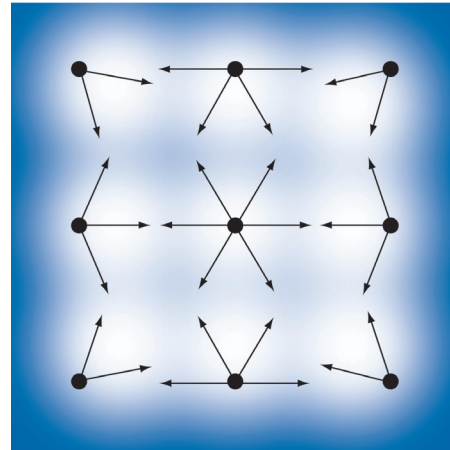
Mounting height: from 4 to 10 meters

Spacing: 20 meters at 4 meters high, 25 meters from 6 to 8 meters and 35 meters at 10 meters high.

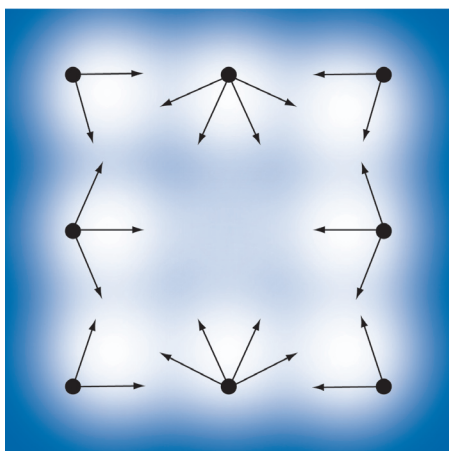
## Typical installations



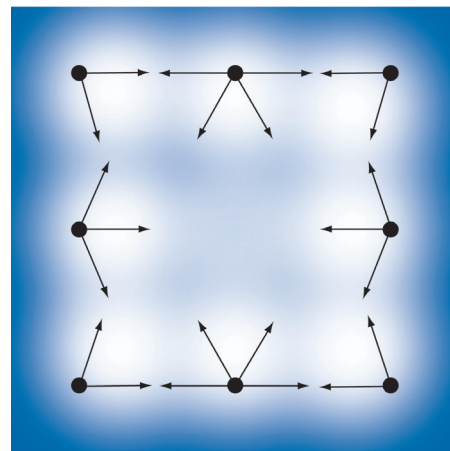
Luminaire: Mid pot with asymmetrical beam CDM-T 70W  
Mounting height: 6 meters  
Average illuminance:  $E = 23$  lux



Luminaire: Small pot with wide beam 60° CDM-T 70W  
Mounting height: 6 meters  
Average illuminance:  $E = 20$  lux



Luminaire: Mid pot with asymmetrical beam CDM-T 70W  
Mounting height: 8 meters  
Average illuminance:  $E = 16$  lux



Luminaire: Small pot with wide beam 60° CDM-T 70W  
Mounting height: 8 meters  
Average illuminance:  $E = 16$  lux



# Street lighting

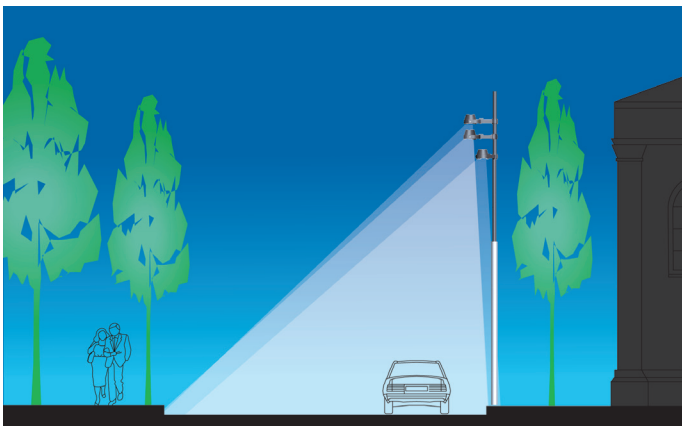
## Street with mixed traffic

UrbanScene is available with highly efficient road optics providing optimized spacing (Cosmopolis optic with CPO-TW lamps, Mini T-POT with CDM-T lamps).

A new aesthetic concept is possible by combining 3 rotational beams. Using rotational optics for road lighting will reduce the light sent on the surrounding facades.

Anti-glare accessories can be added to have a comfortable installation.

## Typical installations



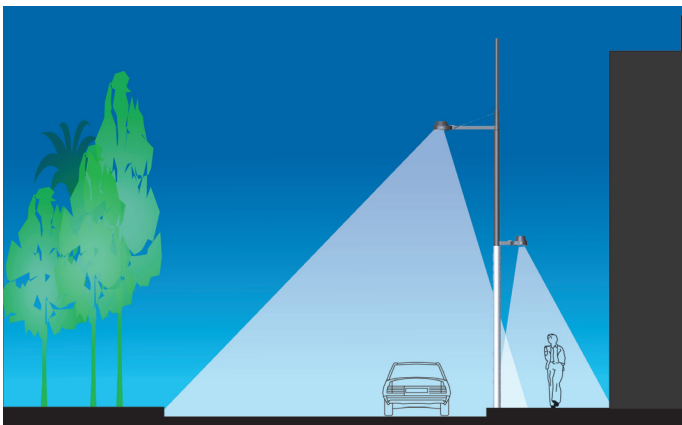
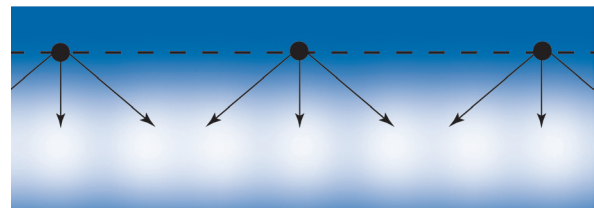
Road width: 7 meters

Mounting height:  $h = 6$  meters

Spacing:  $s = 4 h$

Luminaire: CGP700 (3 Small pot) CPO-TW 35W

Installation: 2 medium beams on the sides,  
1 wide beam in the middle.

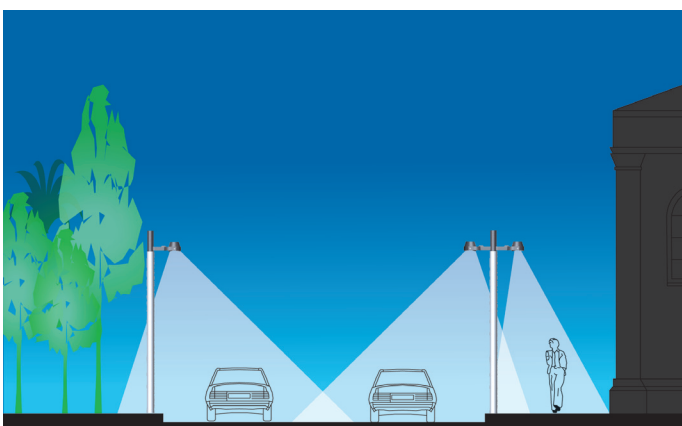
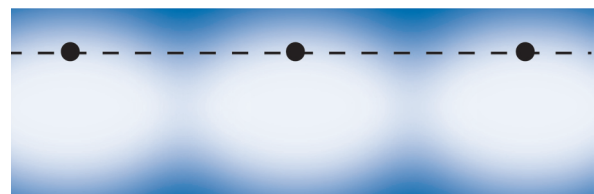


Road width: 7 meters

Mounting height:  $h = 6$  meters

Spacing:  $s = 3.8 h$

Luminaire: CGP705 (Mid pot) CPO-TW 140W

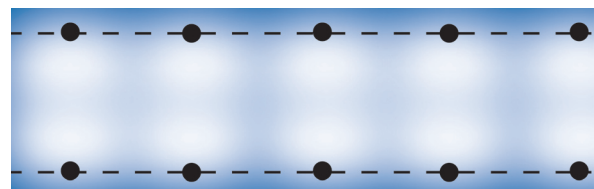


Road width: 7 meters

Mounting height:  $h = 4$  meters

Spacing:  $s = 3.8 h$

Luminaire: CGP700 (Small pot) CPO-TW 60W



# Street lighting

## Pedestrian streets

Indirect post-top with the 3 different optic TS-IO, T-IO and TB-IO.

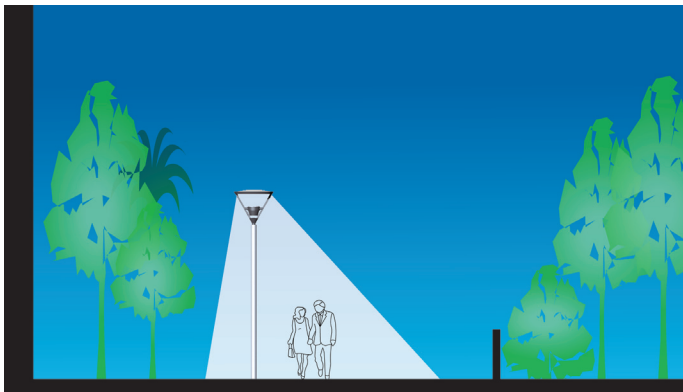
Mounting height: 4 to 8 meters

Urban LED

Mounting height: 4 meters

This luminaire offers two colours of white light: warm white and neutral white.

Typical installations for Class S3 (7.5 lux in average, 1.5 lux minimum)



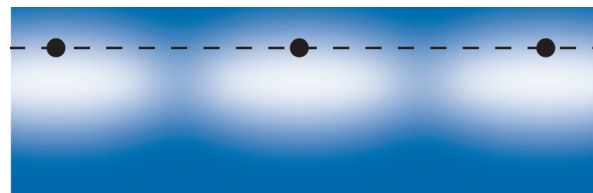
Luminaire: Indirect Post-top CDM-T 70W

Optical solution: TB-IO

Road width: 3.5 meters

Mounting height:  $h = 4$  meters

Spacing = 30 to 36 meters



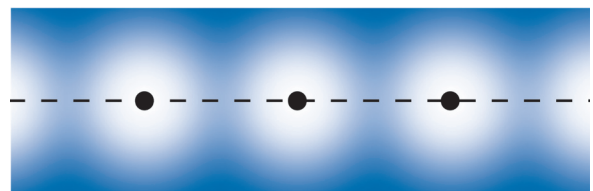
Luminaire: Indirect Post-top CDM-T 70W

Optical solution: TS-IO

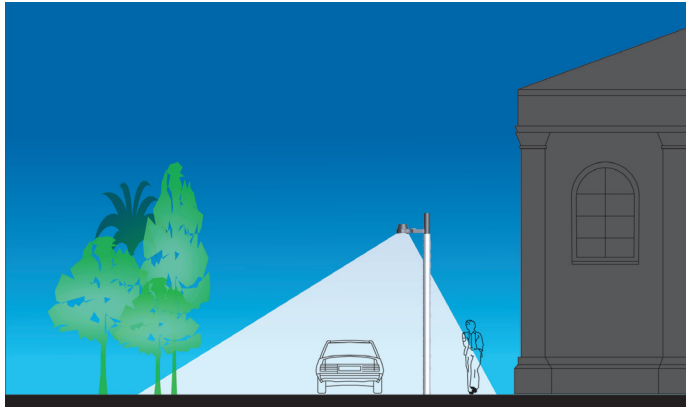
Road width: 7 meters

Mounting height:  $h = 4$  meters

Spacing = 19 meters



# Optics overview

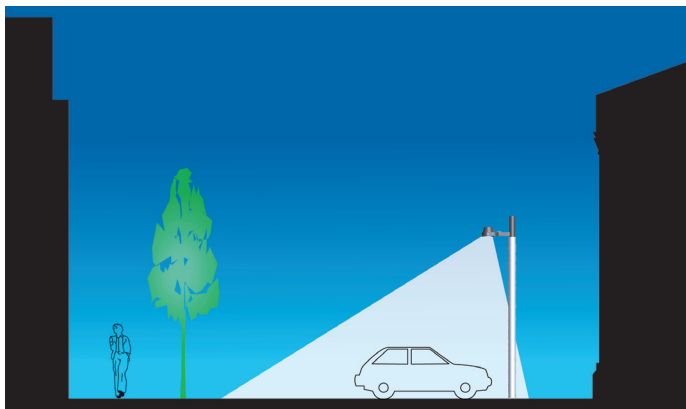
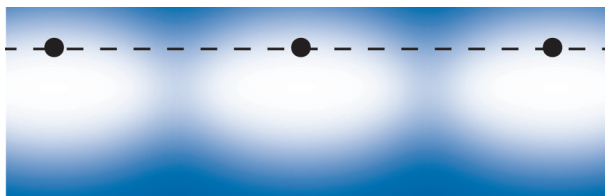


## Cosmopolis & Mini T-pot optics

The road optics are ideal for street lighting. It is suitable for use with compact burner lamps, providing very good spacing.

Application:  
- Street lighting

Luminaire version:  
- CGP700 (small version)  
- CGP705 (medium version)

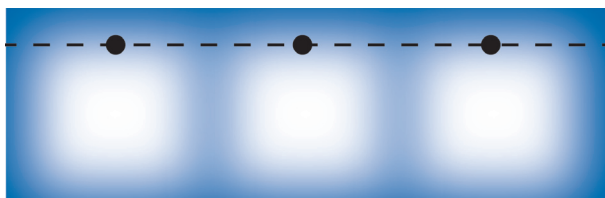


## Asymmetrical optic

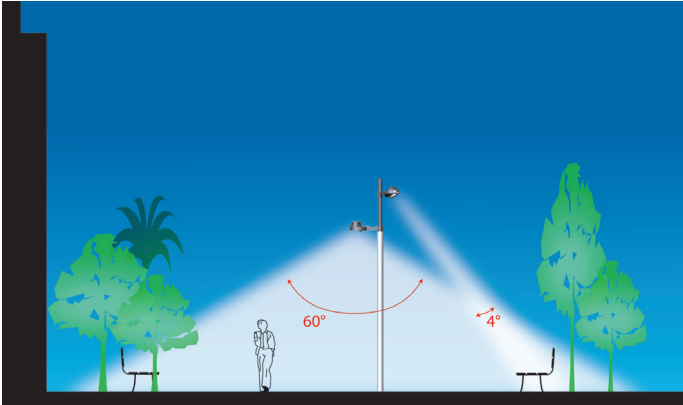
The asymmetrical optic has been designed for area lighting. Its sharp beam enables to minimise light nuisance.

Application:  
- Functional area lighting: parking

Luminaire version:  
- CGP705 (medium version)



# Optics overview



## Rotational optics 4°, 10°, 20°, 40°, 60°

The wide range of beam width from very narrow beams to extra wide beams enables to create a lot of different lighting effects.

Application:

- Decorative area lighting
- Architectural lighting: accent and front lighting

Luminaire version:

- CGP700 (small version)



## Projector

Application:

- Image projection: to project pattern on the ground (stars, leaves, characters, etc)

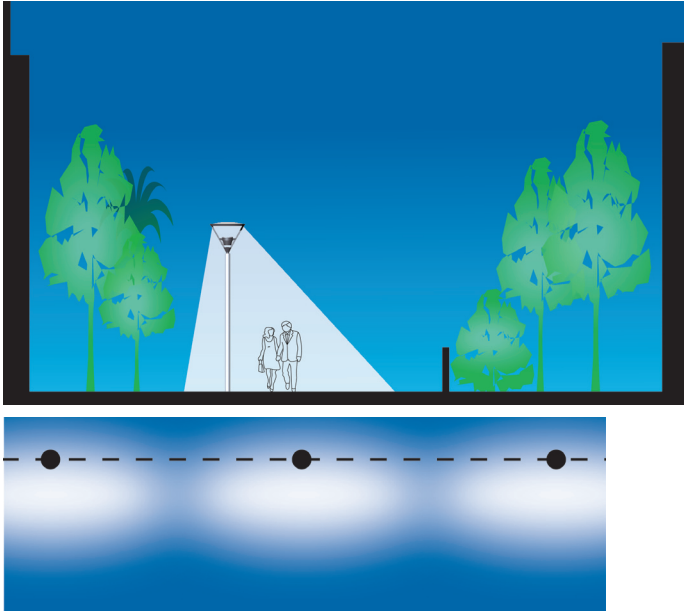
Luminaire version:

- CGP701 (small version)

Optical performance:

- Fixed focus
- Sharpen the image
- Projection distance : from 4 to 15 m

# Optics overview



## Indirect bi-directional optic TB-IO

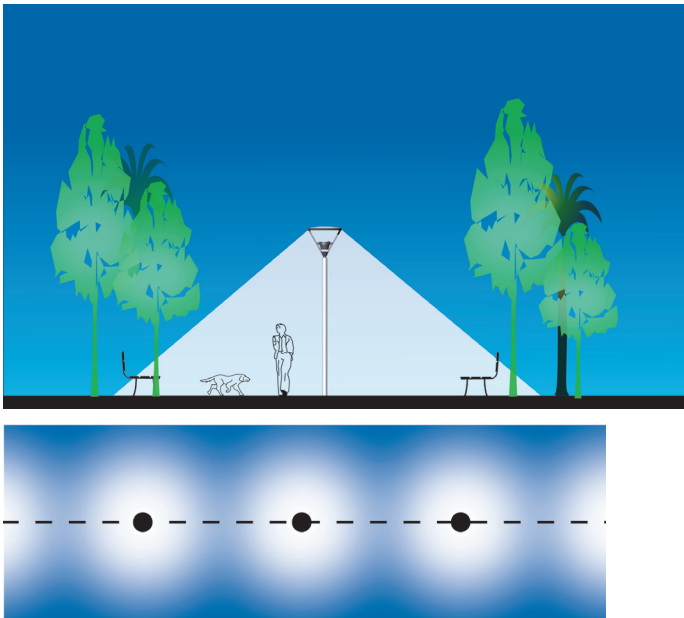
The bi-directional reflector projects light on both sides, thus optimizing spacing.

Application:

- Pedestrian street lighting: Footpath, cyclepath, promenades

Luminaire version:

- Indirect Post-Top



## Indirect symmetrical optic TS-IO, T-IO Optic Urban LED

This optics create rotational symmetric distributions on the floor.

Application:

- Pedestrian street lighting
- Area lighting

Luminaire version:

- Indirect Post-Top
- Urban LED Post-Top



## **Lighting Design and Application Centre**

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**Date: DD/MM/YY**

**Project references: xxxxxx**



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