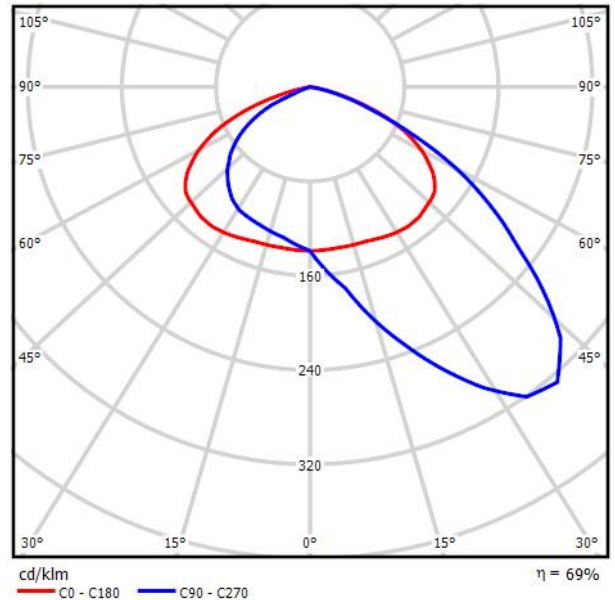




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PHILIPS SGP340 FG 1xCDO-ET100W TP P1 / Luminaire Data Sheet

Luminous emittance 1:



Luminaire classification according to CIE: 100
CIE flux code: 40 81 98 100 69

Selenium – timeless design
Selenium SGP340 is an efficient, ergonomic road-lighting luminaire. Its simple, rounded form reduces its daytime visual impact, allowing it to integrate into any kind of environment. Selenium incorporates the renowned T-POT reflector for excellent optical performance. Energy savings are possible by means of dimming with a switch or stand-alone Chronosense system (without pilot cable).

Due to missing symmetry properties, no UGR table can be displayed for this luminaire.



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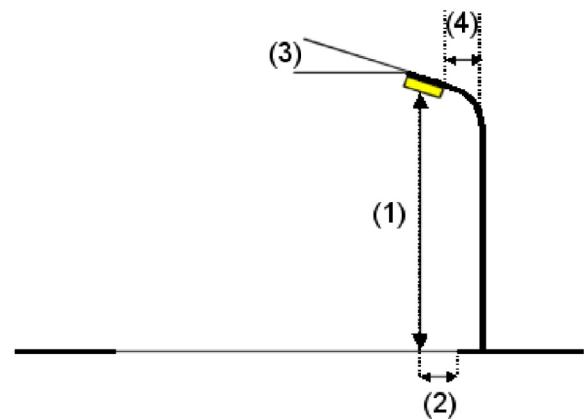
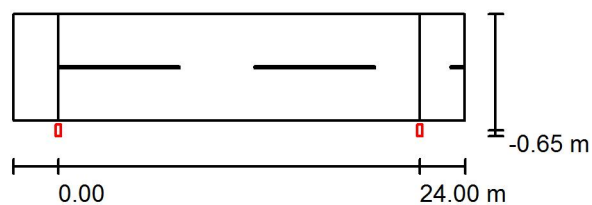
Street 1 / Planning data

Street Profile

Roadway 1 (Width: 7.000 m, Number of lanes: 2, tarmac: R3, q0: 0.070)

Maintenance factor: 0.57

Luminaire Arrangements



Luminaire: PHILIPS SGP340 FG 1xCDO-ET100W TP P1
 Luminous flux (Luminaire): 5727 lm
 Luminous flux (Lamps): 8300 lm
 Luminaire Wattage: 114.0 W
 Arrangement: Single row, bottom
 Pole Distance: 24.000 m
 Mounting Height (1): 9.000 m
 Height: 8.793 m
 Overhang (2): -0.650 m
 Boom Angle (3): 0.0 °
 Boom Length (4): 0.000 m

Maximum luminous intensities

at 70°: 134 cd/klm

at 80°: 14 cd/klm

at 90°: 0.00 cd/klm

Any direction forming the specified angle from the downward vertical, with the luminaire installed for use.

No luminous intensities above 90°.

Arrangement complies with luminous intensity class G6.

Arrangement complies with glare index class D.6.



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Street 1 / Valuation Field Roadway 1 / Results overview



Maintenance factor: 0.57

Scale 1:215

Grid: 10 x 5 Points

Accompanying Street Elements: Roadway 1.

Selected Lighting Class: CE5

(All lighting performance requirements are met.)

Calculated values:

Required values according to class:

Fulfilled/Not fulfilled:

E_{av} [lx]

7.80

≥ 7.50



U0

0.51

≥ 0.40





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Street 1 / Valuation Field Roadway 1 / Illumination class

Selected Lighting Class: CE5

This illumination class is based on the following traffic situation:

Parameter	Value
Typical speed of the main user	Low (Between 5 and 30 km/h)
Main user	Motorised traffic, Pedestrians
Other permitted users	Slowly driving vehicles, Bicyclists
Excluded users	/
Illuminance conditions	D2
Constructions measures for traffic calming	No
Traffic flow of pedestrians	Normal
Degree of Navigational Difficulty	Normal
Face recognition	Not required
Crime risk	Normal
Luminance level of the environment	Low (Rural Environment)