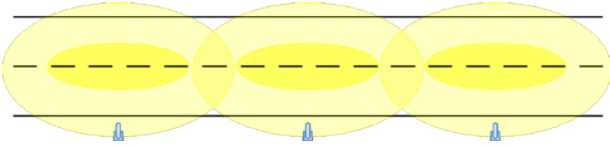
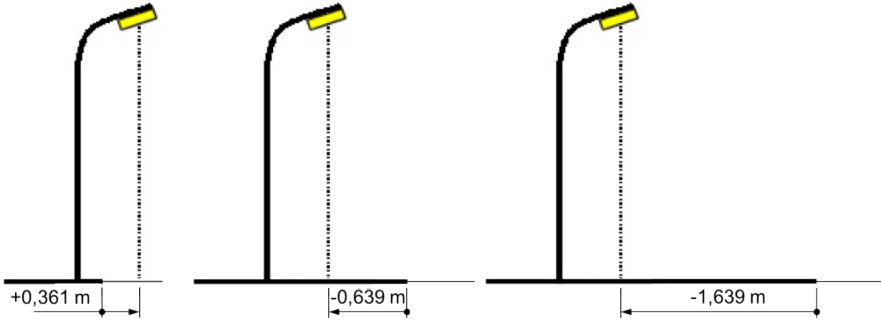


Light Planning Guidelines for SHEMS S Class

Status:03/2017

Guidelines and specifications for the luminaire of SHEMS S class:

Type of light distribution	E longated 
Illuminance class	S, according to DIN EN 13201 (quality criteria are the average illuminance E_{av} and the minimum illuminance E_{min} , both in lux)
Road width	7 m, two lanes
Light spot height ¹	6.261 m
Boom angle	25°
Pole distance	25 m
Maintenance factor	0.8
Luminous flux	6313 lm @ 1550 mA for the entire luminaire (incl. optics and glass cover)
Luminous efficacy	≥ 110 lm/W @ 1550 mA and 57 W
Upward light ratio	ULR = 0 @ 25° boom angle
Overhang ²	<p>For Light -Planning please use following mechanical dimensions:</p> <p>Case 1: (no walkway between street and pole) Overhang = 0.361 m</p> <p>Case 2: (walkway 1 m) Overhang = -0.639 m</p> <p>Case 3: (walkway 2 m) Overhang = -1.639 m</p> 

¹ Distance between the luminaire's center and the road surface.

² Distance between the projected center of the luminaire onto the road surface and the roadside.
The overhang is negative for luminaire centers outside the road.