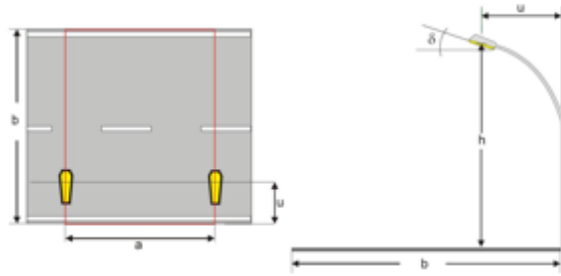


Street calculation



Road layout: without central reservation
Luminaire placing: Right row
Width of roadway (b): 8.00 m
Photometric centre height. (h): 10.00 m
No. of lanes: 2
Luminaire spacing (a): 30.00 m
Road surface category: R3
Luminaires - outreach (u): -0.50 m
q0: 0.08
Inclination (d): 19.00°
Right hand drivers
Maintenance factor: 0.95



Equipment: 1 x LLG CrystalLed 72 6000K Cree XRE 350mA
81 W / 7136 lm.

Luminance

Observer location 1: x=-60.00m, y=2.00m, z=1.50m
Average: 0.88 cd/m²
Minimum: 0.4 cd/m²
U0 (min/average): 0.45
Observer location 2: x=90.00m, y=6.00m, z=1.50m
Average: 0.94 cd/m²
Minimum: 0.42 cd/m²
U0 (min/average): 0.44



Longitudinal uniformity

UI (B1: x = -60.00, y = 2.00, z = 1.50): 0.64
UI (B2: x = 90.00, y = 6.00, z = 1.50): 0.82

Horizontal illuminance E

Average: 16.2 lx
Minimum: 7.5 lx
Maximum: 32 lx

Example two:

Equipment: 1 x LLG CrystalLed 72 6000K Cree XPG
450mA 109W / 11134 lm.

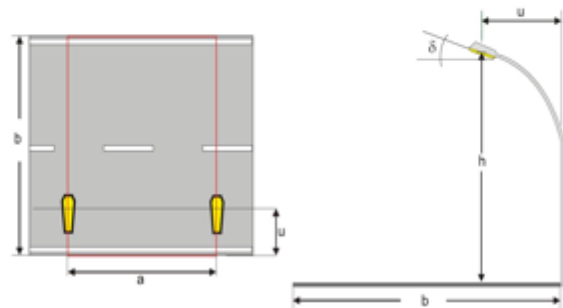
Width of roadway (b): 8.00 m
Photometric centre height. (h):12.00 m
No. of lanes:2
Luminaire spacing (a):48.00 m
Road surface category : R3
Luminaires - outreach (u) : -0.50 m
q0 : 0.08 Inclination (d) : 20.00°
Maintenance factor : 0.95

Luminance

Observer location 1 : x=-60.00m, y=2.00m, z=1.50m
Average : 0.84 cd/m² (MEW4 min. 0.75)
U0 (min/average) : 0.41 (MEW4 min. 0.4)
Observer location 2 : x=-60.00m, y=6.00m, z=1.50m
Average : 0.89 cd/m² (MEW4 min. 0.75)
U0 (min/average) : 0.43 (MEW4 min. 0.4)
Glare/ surrounding brightness
TI (B1: y=2.00m) : 3 % (MEW4 max. 15)
SR : 0.49 (MEW4 min. 0.5)

Horizontal illuminance E

Average : 15.2 lx
Minimum : 3.7 lx
Maximum : 37.6 lx



[Read more](#)