

Trunk road 3 for ME5 = 0,5 cd/m²

Installation : DL500-K Seilleuchte with HST 70W flat glass

Project number : Standard example

Customer :

Processed by :

Date : 15.01.2007

Project description:

Road width	7,5m
Mounting height	8m
Overhang	3,75m

Die Ermittlung der Beleuchtungsergebnisse erfolgte verkaufsunterstützend mit größter Sorgfalt auf Basis der uns vorliegenden Unterlagen mit Hilfe von marktüblichen Berechnungsverfahren (z.B. Relux, Dialux).

Eine Garantie / Gewährleistung / Haftung für diese kostenlose Errechnung wird von SITECO nicht übernommen. Wir verweisen in diesem Zusammenhang auf die Leistungen der Lichtplanungs- u. Ingenieurbüros.

The determination of the lighting results is performed on a sales support basis, with great thoroughness, using the documents at our disposal and with the aid of calculating procedures customary in the market (e.g. Relux, Dialux).

A guarantee / warranty / liability for this free calculation is not provided by SITECO. In this respect, we refer to the services of the light planning and engineering office.

The following values are based on exact calculations on calibrated lamps, luminaires and their arrangement. In practice, gradual divergences can occur.

Guarantee claims for luminaire data are excluded.

Relux and the luminaire manufacturers accept no liability for consequential damage and damage which is occasioned to the user or to third parties.

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1 Luminaire data

1.1 Siteco, DL 500 MIDI-K (5NA 247 E-1MT0KS08)

1.1.1 Data sheet

Manufacturer: Siteco

5NA 247 E-1MT0KS08 Street light DL 500 MIDI-K
for 1 x high-pressure sodium lamp 70 W, with CG
housing made of glass fibre reinforced polyester
integrated inside connector for cable socket connector mounting
radial faceted reflector
flat cover glass
Degree of protection: IP 65
Protection class: II
Mounting type: cablespanned

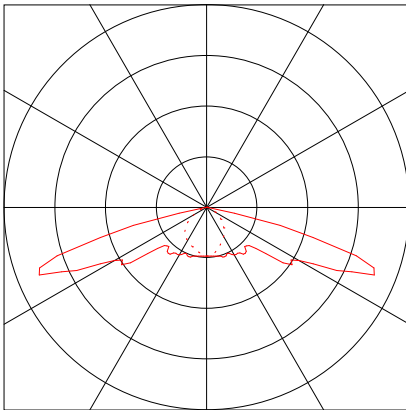
LP 1, RP 3

Luminaire data

Luminaires efficiency : 73.2% (A30)
Control gear : CG
System power : 70 W
Diameter : 500 mm
Height : 189 mm

Equipped with

Number of : 1
Designation : ST
Power : 70 W
Colour :
Luminous flux : 6500 lm

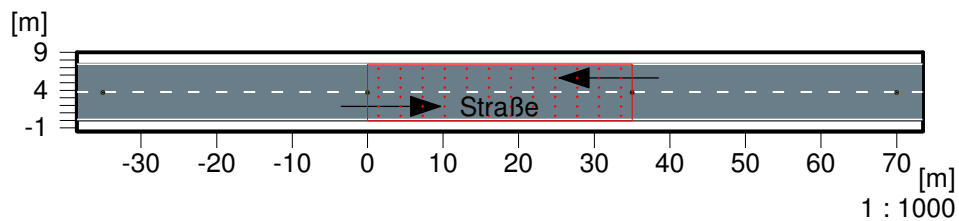


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2 Straße

2.1 Description, Straße

2.1.1 Floor plan



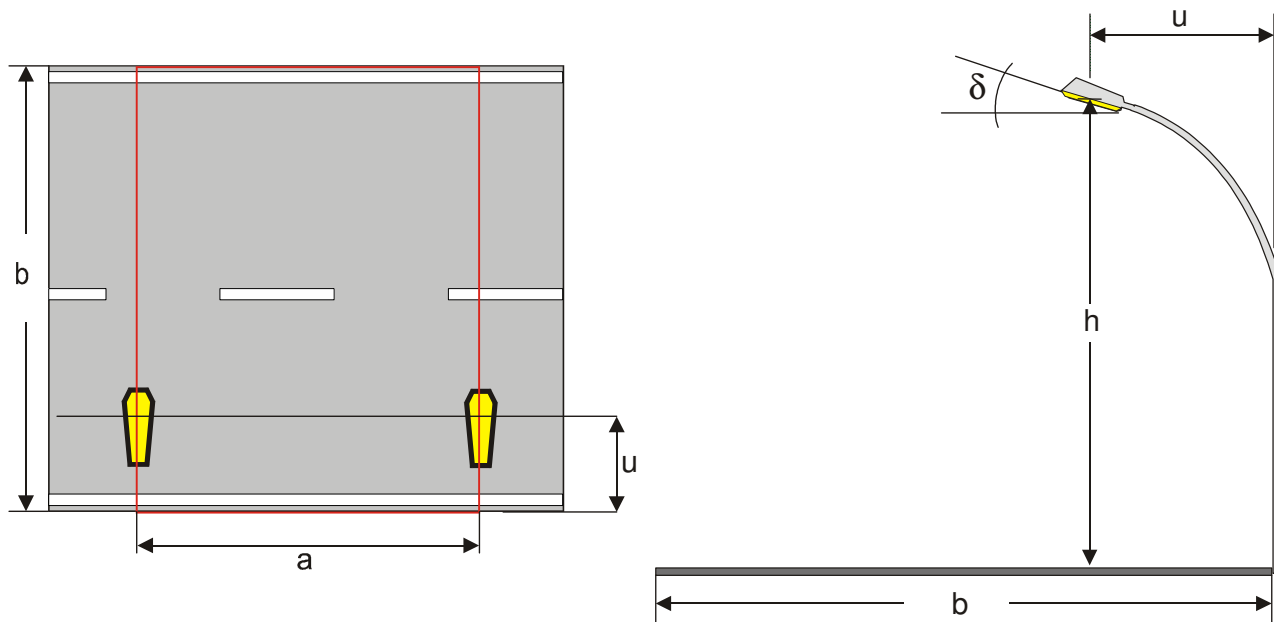
Straße		Luminaire type	:5NA 247 E-1MT0KS08
Road layout	: without central reservation	Luminaire placing	: Right row
Width of roadway	: 7.50 m	photometric centre height	: 8.00 m
No. of lanes	: 2	Luminaire spacing	: 35.00 m
Road surface category	: R3	Luminaires - outreach	: 3.75 m
q0	: 0.08	Inclination	: 0.00°

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2 Straße

2.2 Summary, Straße

2.2.1 Result overview, Straße



Luminaire data

Manufacturer : Siteco
 Order No. : 5NA 247 E-1MT0KS08/
 Luminaire name : DL 500 MIDI-K
 Equipment : 1 x ST 70 W / 6500 lm

Road layout	: without central reservation	Luminaire placing	: Right row
Width of roadway	(b): 7.50 m	photometric centre height.(h)	: 8.00 m
No. of lanes	: 2	Luminaire spacing	(a): 35.00 m
Road surface category	: R3	Luminaires - outreach	(u): 3.75 m
q0	: 0.08	Inclination	(delta): 0.00°
Right hand drivers		Reduction factor	: 0.71

Luminance

Observer location 1 : x=-60.00m, y=1.88m, z=1.50m
 Average : 0.72 cd/m² (ME5 min. 0.5)
 U0 (min/average) : 0.37 (ME5 min. 0.35)

Observer location 2 : x=95.00m, y=5.63m, z=1.50m
 Average : 0.72 cd/m² (ME5 min. 0.5)
 U0 (min/average) : 0.39 (ME5 min. 0.35)

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2.2 Summary, Straße

2.2.1 Result overview, Straße

Longitudinal uniformity

UI (B1: x = -60.00, y = 1.88, z = 1.50) : 0.42 (ME5 min. 0.4)

UI (B2: x = 95.00, y = 5.63, z = 1.50) : 0.52 (ME5 min. 0.4)

Glare/ surrounding brightness

TI (B1: y=1.88m) : 13.10 % (ME5 max. 15)

SR : 0.47 (ME5 min. 0.5)