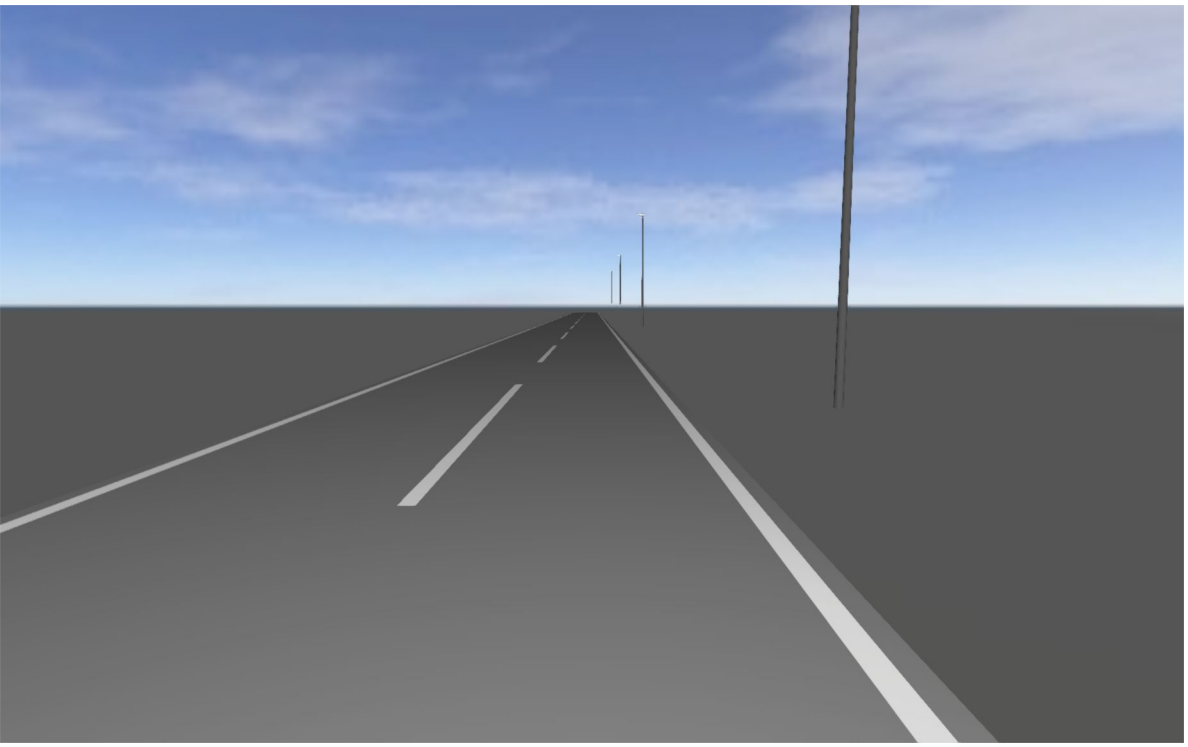


Līvānu pilsētas ielu apgaismojuma aprēķini

1. daļa

Created with DIALux

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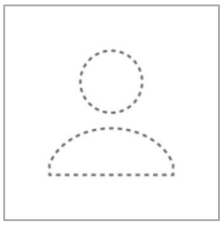
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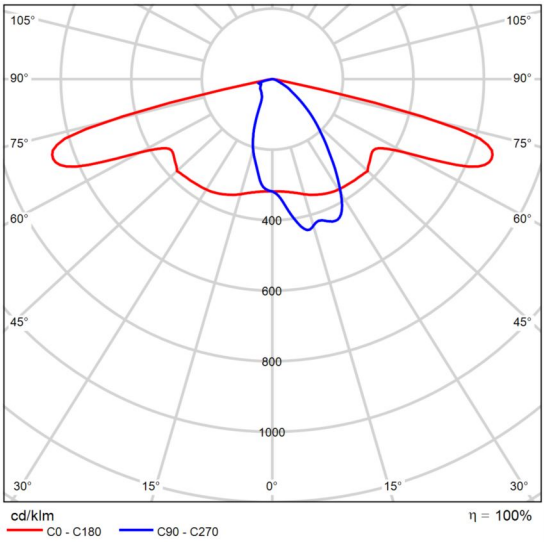
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Product data sheet

Not yet a DIALux member - SRL 025 740 L90 B016_Bin-N8_TH



Article No.	Stork Little Brother 25 W 16 LEDs
P	25.0 W
Φ_{Lamp}	3511 lm
$\Phi_{Luminaire}$	3511 lm
η	100.00 %
Luminous efficacy	140.4 lm/W
CCT	4000 K
CRI	70

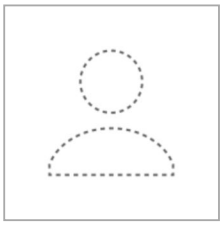


Polar LDC

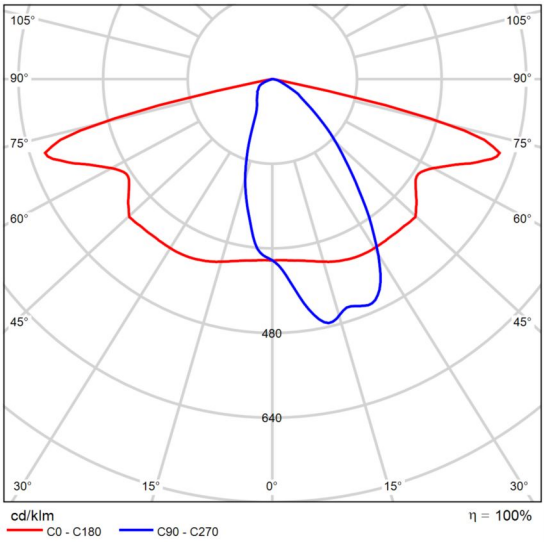
DIALux

Product data sheet

Not yet a DIALux member - SRU 020 740 L90 AA016_Bin-N8_TH



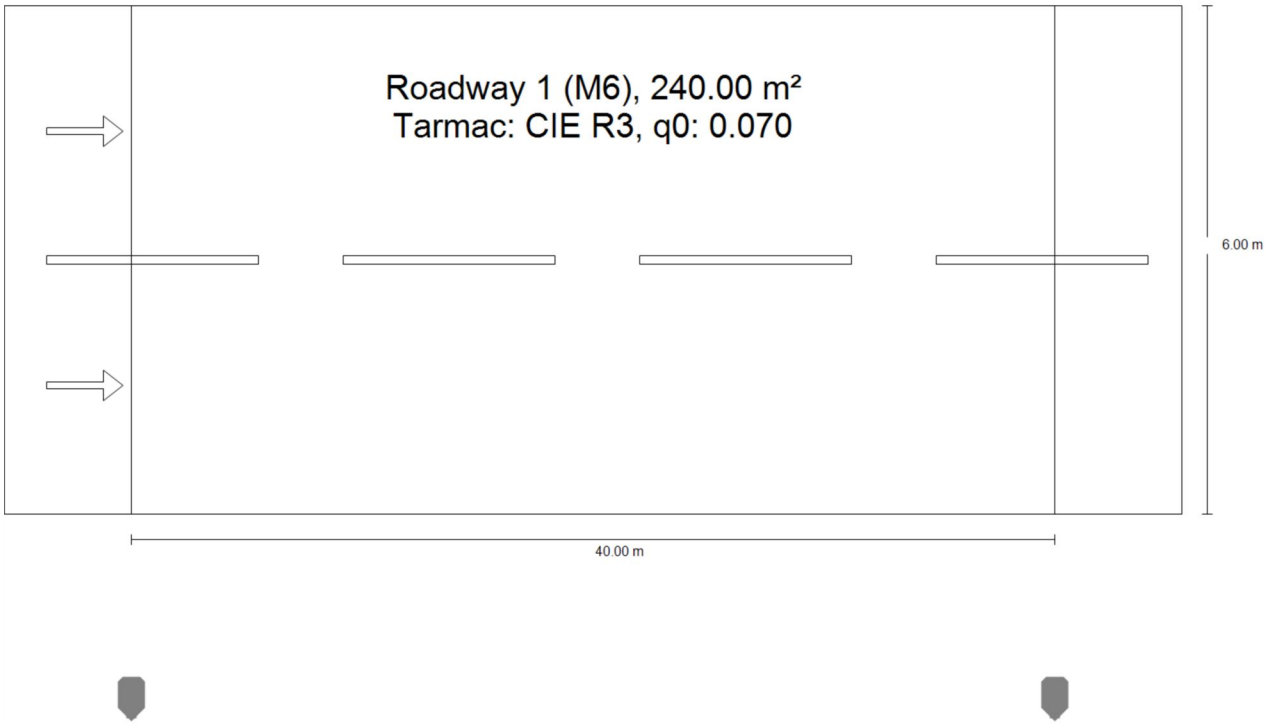
Article No.	Stork Little Sister 20 W 16 LEDs
P	20.0 W
Φ_{Lamp}	2923 lm
$\Phi_{Luminaire}$	2923 lm
η	100.00 %
Luminous efficacy	146.1 lm/W
CCT	4000 K
CRI	70



Polar LDC

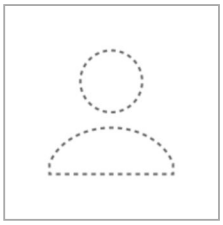
Atpūtas iela

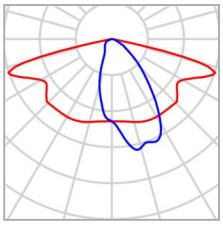
Summary (according to EN 13201:2015)



Atpūtas iela

Summary (according to EN 13201:2015)

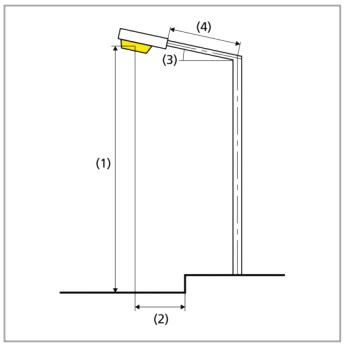




Manufacturer	Not yet a DIALux member
Article No.	Stork Little Sister 20 W 16 LEDs
Article name	SRU 020 740 L90 AA016_Bin-N8_TH
Fitting	1x 16 LEDs bin N8

P	20.0 W
Φ_{Lamp}	2923 lm
$\Phi_{Luminaire}$	2923 lm
η	100.00 %

SRU 020 740 L90 AA016_Bin-N8_TH (single side bottom)



Pole distance	40.000 m
(1) Light spot height	8.500 m
(2) Light point overhang	-2.185 m
(3) Boom inclination	10.0°
(4) Boom length	0.200 m
Annual operating hours	4000 h: 100.0 %, 20.0 W
Consumption	500.0 W/km
ULR / ULOR	0.00 / 0.00
Max. luminous intensities Any direction forming the specified angle from the downward vertical, with the luminaire installed for use.	≥ 70°: 973 cd/klm ≥ 80°: 197 cd/klm ≥ 90°: 6.30 cd/klm
Luminous intensity class The luminous intensity values in [cd/klm] for calculation of the luminous intensity class refer to the luminaire luminous flux according to EN 13201:2015.	G*1
Glare index class	D.6

Atpūtas iela

Summary (according to EN 13201:2015)

Results for valuation fields

	Symbol	Calculated	Target	Check
Roadway 1 (M6)	L_{av}	0.30 cd/m²	≥ 0.30 cd/m²	✓
	U_o	0.49	≥ 0.35	✓
	U_l	0.73	≥ 0.40	✓
	TI	15 %	≤ 20 %	✓
	R_{EI}	0.44	≥ 0.30	✓

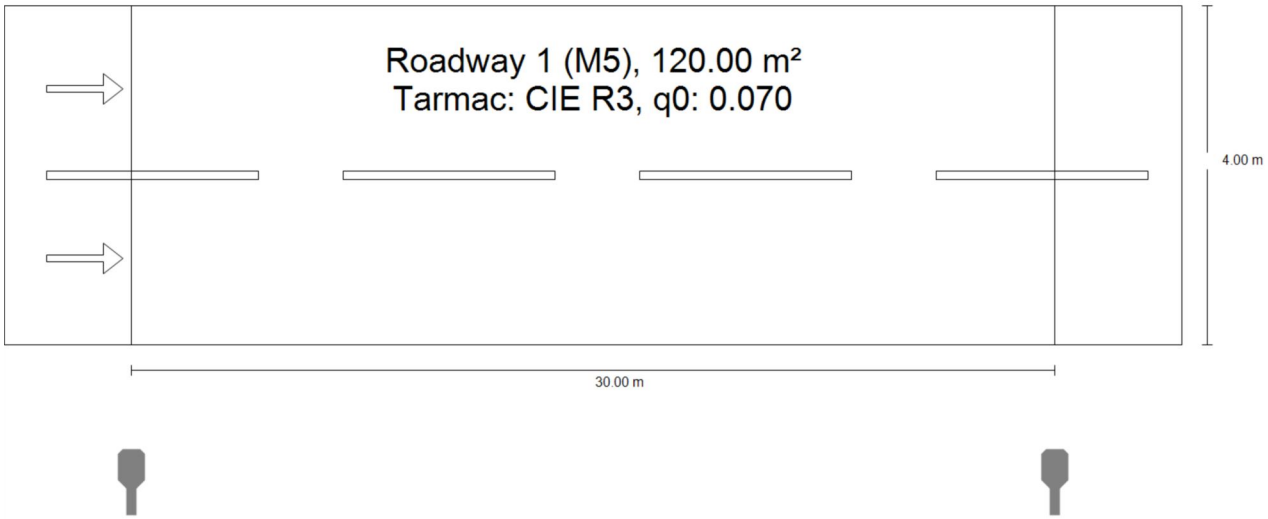
A maintenance factor of 0.80 was used for calculating for the installation.

Results for energy efficiency indicators

	Symbol	Calculated	Consumption
Atpūtas iela	D_p	0.016 W/lx*m²	-
SRU 020 740 L90 AA016_Bin-N8_TH (single side bottom)	D_e	0.3 kWh/m² yr,	80.0 kWh/yr

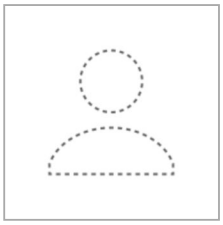
Celtuves iela

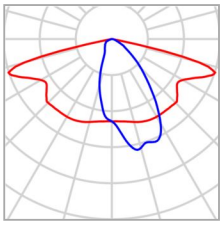
Summary (according to EN 13201:2015)



Celtuves iela

Summary (according to EN 13201:2015)

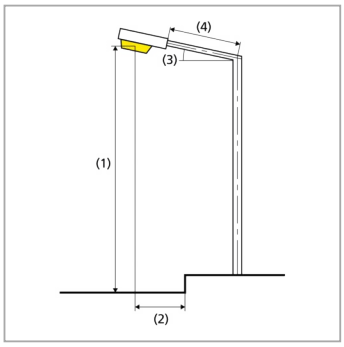




Manufacturer	Not yet a DIALux member
Article No.	Stork Little Sister 20 W 16 LEDs
Article name	SRU 020 740 L90 AA016_Bin-N8_TH
Fitting	1x 16 LEDs bin N8

P	20.0 W
Φ_{Lamp}	2923 lm
$\Phi_{Luminaire}$	2923 lm
η	100.00 %

SRU 020 740 L90 AA016_Bin-N8_TH (single side bottom)



Pole distance	30.000 m
(1) Light spot height	7.500 m
(2) Light point overhang	-1.494 m
(3) Boom inclination	5.0°
(4) Boom length	0.500 m
Annual operating hours	4000 h: 100.0 %, 20.0 W
Consumption	660.0 W/km
ULR / ULOR	0.00 / 0.00
Max. luminous intensities Any direction forming the specified angle from the downward vertical, with the luminaire installed for use.	≥ 70°: 978 cd/klm ≥ 80°: 51.9 cd/klm ≥ 90°: 1.80 cd/klm
Luminous intensity class The luminous intensity values in [cd/klm] for calculation of the luminous intensity class refer to the luminaire luminous flux according to EN 13201:2015.	G*3
Glare index class	D.6

Celtuves iela

Summary (according to EN 13201:2015)

Results for valuation fields

	Symbol	Calculated	Target	Check
Roadway 1 (M5)	L_{av}	0.57 cd/m²	≥ 0.50 cd/m²	✓
	U_o	0.61	≥ 0.35	✓
	U_l	0.82	≥ 0.40	✓
	TI	14 %	≤ 15 %	✓
	R_{EI}	0.56	≥ 0.30	✓

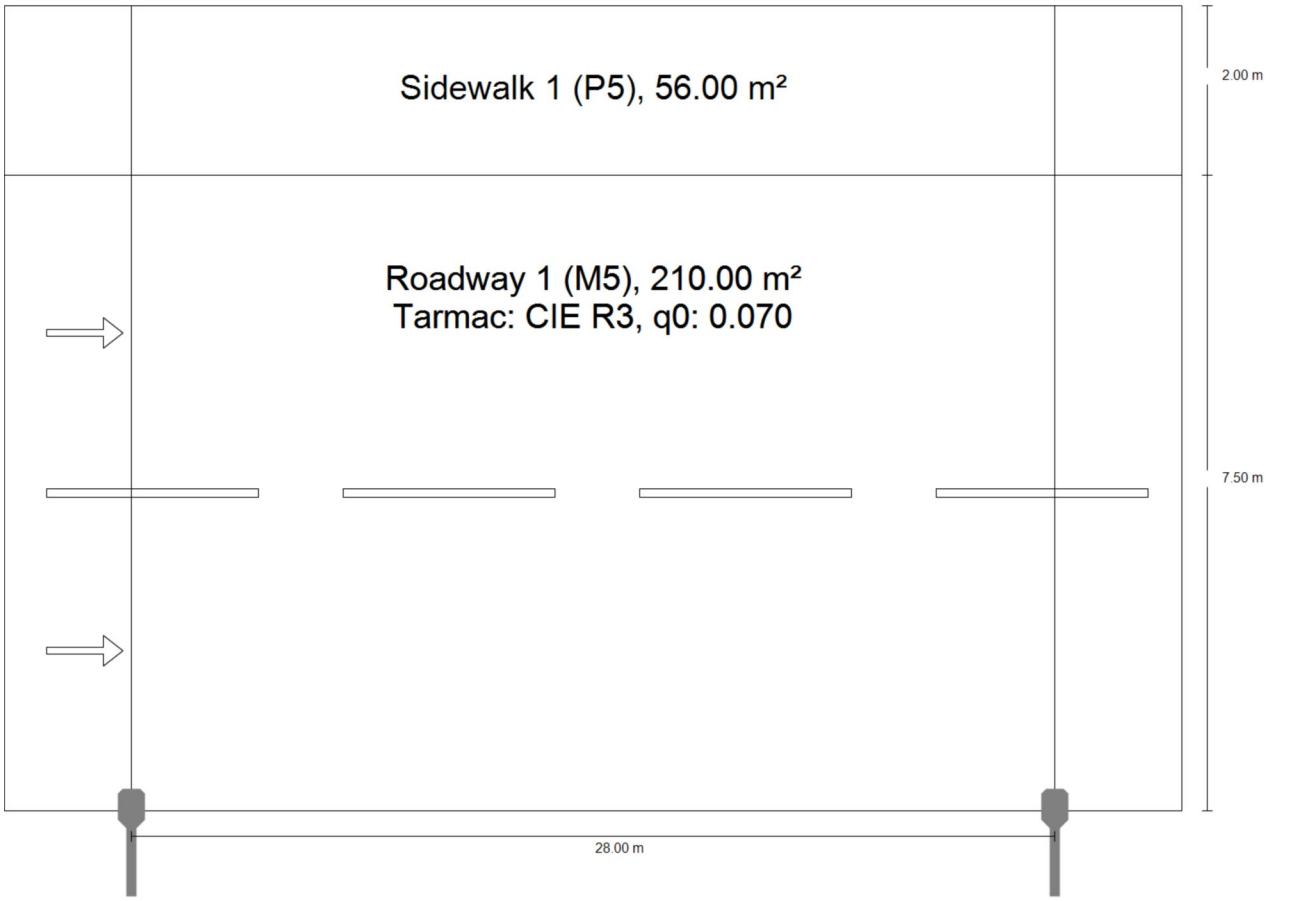
A maintenance factor of 0.80 was used for calculating for the installation.

Results for energy efficiency indicators

	Symbol	Calculated	Consumption
Celtuves iela	D_p	0.019 W/lx*m²	-
SRU 020 740 L90 AA016_Bin-N8_TH (single side bottom)	D_e	0.7 kWh/m² yr,	80.0 kWh/yr

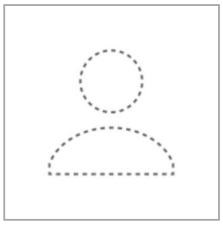
Daugavpils iela (No 12. mājas līdz Kultūras centram)

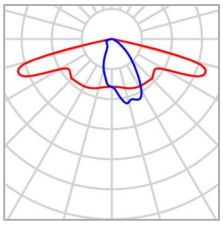
Summary (according to EN 13201:2015)



Daugavpils iela (No 12. mājas līdz Kultūras centram)

Summary (according to EN 13201:2015)

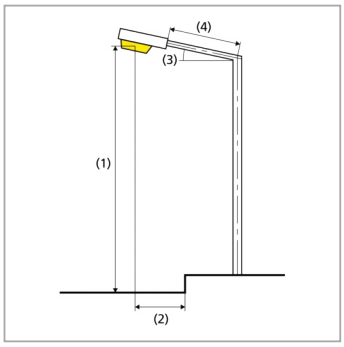




Manufacturer	Not yet a DIALux member
Article No.	Stork Little Brother 25 W 16 LEDs
Article name	SRL 025 740 L90 B016_Bin-N8_TH
Fitting	1x 16 LEDs bin N8

P	25.0 W
Φ_{Lamp}	3511 lm
$\Phi_{Luminaire}$	3511 lm
η	100.00 %

SRL 025 740 L90 B016_Bin-N8_TH (single side bottom)



Pole distance	28.000 m
(1) Light spot height	8.200 m
(2) Light point overhang	0.003 m
(3) Boom inclination	10.0°
(4) Boom length	1.000 m
Annual operating hours	4000 h: 100.0 %, 25.0 W
Consumption	900.0 W/km
ULR / ULOR	0.00 / 0.00
Max. luminous intensities Any direction forming the specified angle from the downward vertical, with the luminaire installed for use.	≥ 70°: 865 cd/klm ≥ 80°: 244 cd/klm ≥ 90°: 5.62 cd/klm
Luminous intensity class The luminous intensity values in [cd/klm] for calculation of the luminous intensity class refer to the luminaire luminous flux according to EN 13201:2015.	-
Glare index class	D.6

Daugavpils iela (No 12. mājas līdz Kultūras centram)

Summary (according to EN 13201:2015)

Results for valuation fields

	Symbol	Calculated	Target	Check
Sidewalk 1 (P5)	E_{av}	4.28 lx	[3.00 - 4.50] lx	✓
	E_{min}	2.56 lx	≥ 0.60 lx	✓
Roadway 1 (M5)	L_{av}	0.58 cd/m²	≥ 0.50 cd/m²	✓
	U_o	0.52	≥ 0.35	✓
	U_l	0.73	≥ 0.40	✓
	TI	12 %	≤ 15 %	✓
	R_{EI}	0.30	≥ 0.30	✓

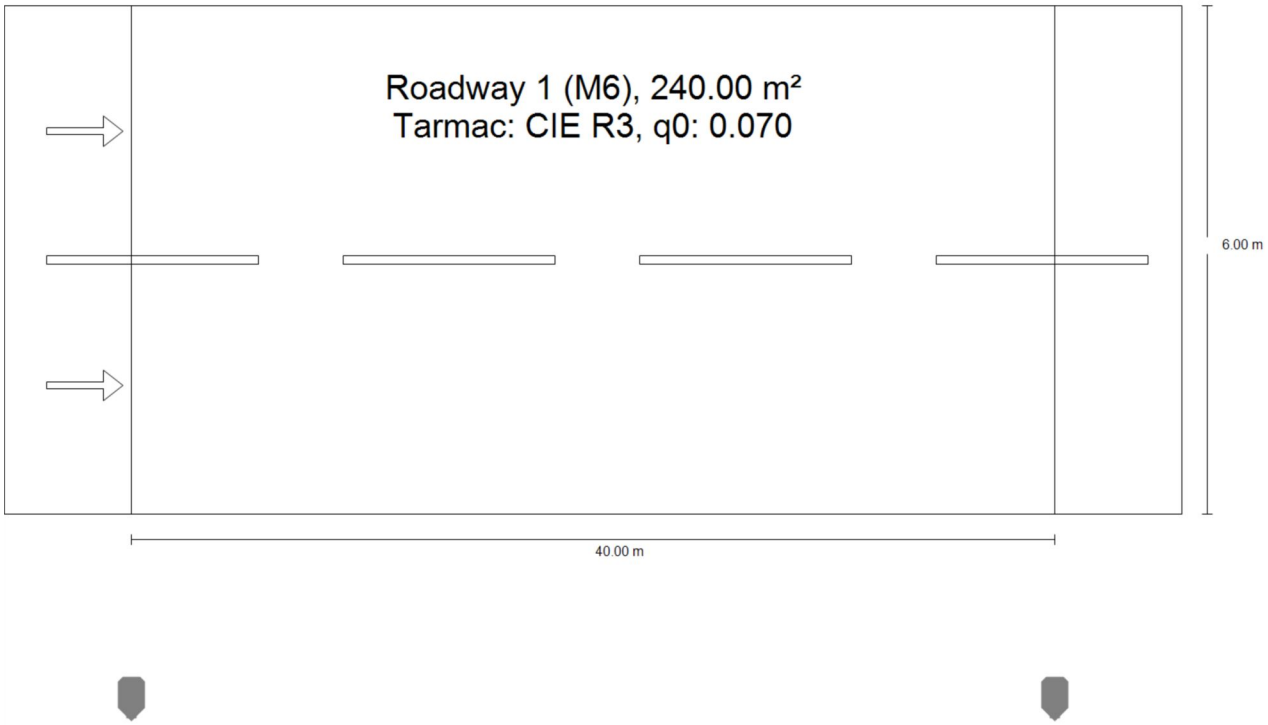
A maintenance factor of 0.80 was used for calculating for the installation.

Results for energy efficiency indicators

	Symbol	Calculated	Consumption
Daugavpils iela (No 12. mājas līdz Kultūras centram)	D_p	0.012 W/lx*m²	-
SRL 025 740 L90 B016_Bin-N8_TH (single side bottom)	D_e	0.4 kWh/m² yr,	100.0 kWh/yr

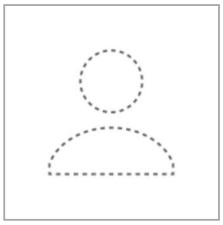
Daugavpils iela (no Baznīcas ielas līdz kurzemes ielai)

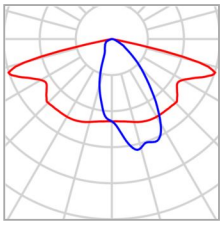
Summary (according to EN 13201:2015)



Daugavpils iela (no Baznīcas ielas līdz kurzemes ielai)

Summary (according to EN 13201:2015)

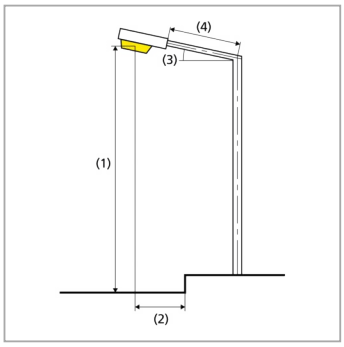




Manufacturer	Not yet a DIALux member
Article No.	Stork Little Sister 20 W 16 LEDs
Article name	SRU 020 740 L90 AA016_Bin-N8_TH
Fitting	1x 16 LEDs bin N8

P	20.0 W
Φ_{Lamp}	2923 lm
$\Phi_{Luminaire}$	2923 lm
η	100.00 %

SRU 020 740 L90 AA016_Bin-N8_TH (single side bottom)



Pole distance	40.000 m
(1) Light spot height	8.500 m
(2) Light point overhang	-2.185 m
(3) Boom inclination	10.0°
(4) Boom length	0.200 m
Annual operating hours	4000 h: 100.0 %, 20.0 W
Consumption	500.0 W/km
ULR / ULOR	0.00 / 0.00
Max. luminous intensities Any direction forming the specified angle from the downward vertical, with the luminaire installed for use.	≥ 70°: 973 cd/klm ≥ 80°: 197 cd/klm ≥ 90°: 6.30 cd/klm
Luminous intensity class The luminous intensity values in [cd/klm] for calculation of the luminous intensity class refer to the luminaire luminous flux according to EN 13201:2015.	G*1
Glare index class	D.6

Daugavpils iela (no Baznīcas ielas līdz kurzemes ielai)

Summary (according to EN 13201:2015)

Results for valuation fields

	Symbol	Calculated	Target	Check
Roadway 1 (M6)	L_{av}	0.30 cd/m²	≥ 0.30 cd/m²	✓
	U_o	0.49	≥ 0.35	✓
	U_l	0.73	≥ 0.40	✓
	TI	15 %	≤ 20 %	✓
	R_{EI}	0.44	≥ 0.30	✓

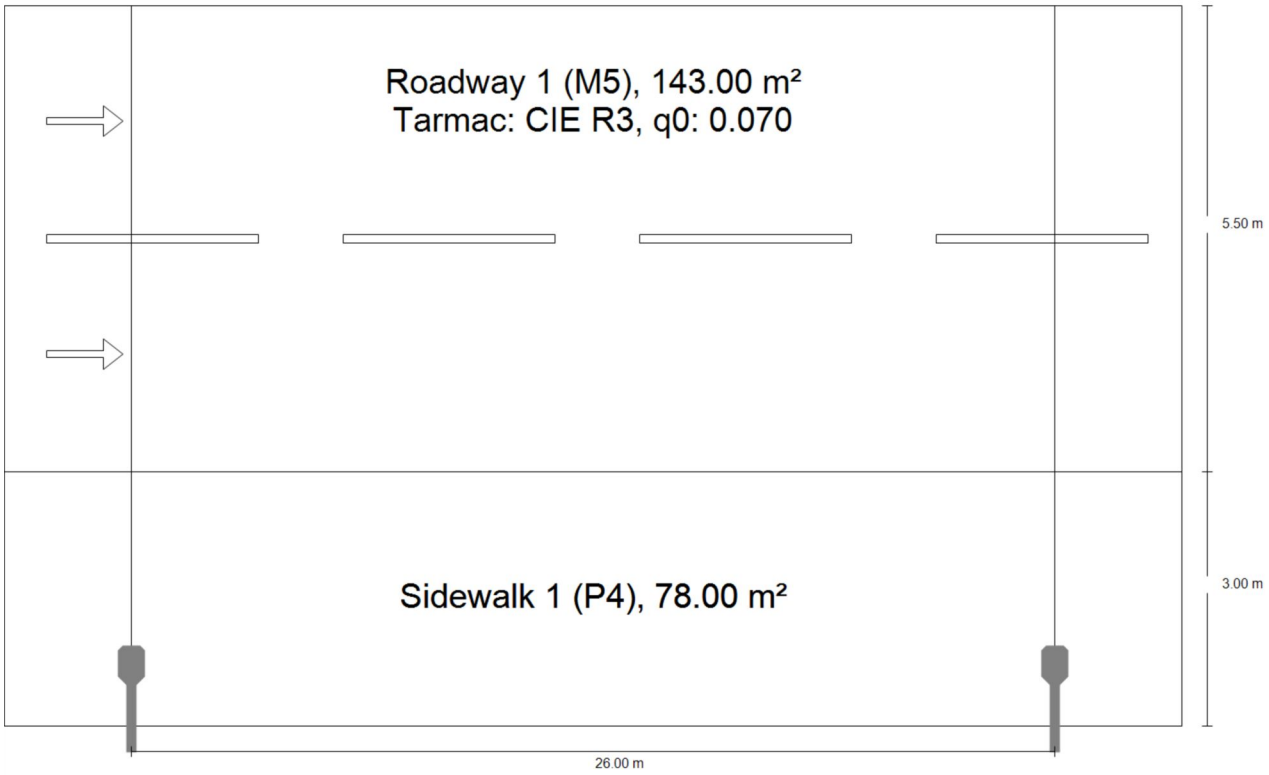
A maintenance factor of 0.80 was used for calculating for the installation.

Results for energy efficiency indicators

	Symbol	Calculated	Consumption
Daugavpils iela (no Baznīcas ielas līdz kurzemes ielai)	D_p	0.016 W/lx*m²	-
SRU 020 740 L90 AA016_Bin-N8_TH (single side bottom)	D_e	0.3 kWh/m² yr,	80.0 kWh/yr

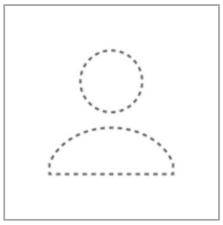
Daugavpils iela (no Kurzemes ielas līdz Daugavpils ielai 12)

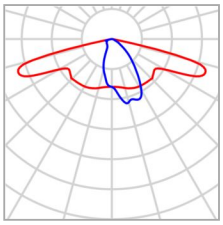
Summary (according to EN 13201:2015)



Daugavpils iela (no Kurzemes ielas līdz Daugavpils ielai 12)

Summary (according to EN 13201:2015)

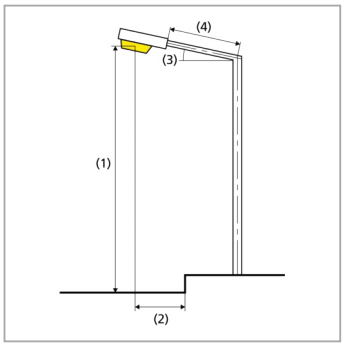




Manufacturer	Not yet a DIALux member
Article No.	Stork Little Brother 25 W 16 LEDs
Article name	SRL 025 740 L90 B016_Bin-N8_TH
Fitting	1x 16 LEDs bin N8

P	25.0 W
Φ_{Lamp}	3511 lm
$\Phi_{Luminaire}$	3511 lm
η	100.00 %

SRL 025 740 L90 B016_Bin-N8_TH (single side bottom)



Pole distance	26.000 m
(1) Light spot height	10.200 m
(2) Light point overhang	-2.307 m
(3) Boom inclination	15.0°
(4) Boom length	1.000 m
Annual operating hours	4000 h: 100.0 %, 25.0 W
Consumption	950.0 W/km
ULR / ULOR	0.00 / 0.00
Max. luminous intensities Any direction forming the specified angle from the downward vertical, with the luminaire installed for use.	≥ 70°: 865 cd/klm ≥ 80°: 440 cd/klm ≥ 90°: 13.3 cd/klm
Luminous intensity class The luminous intensity values in [cd/klm] for calculation of the luminous intensity class refer to the luminaire luminous flux according to EN 13201:2015.	-
Glare index class	D.6

Daugavpils iela (no Kurzemes ielas līdz Daugavpils ielai 12)

Summary (according to EN 13201:2015)

Results for valuation fields

	Symbol	Calculated	Target	Check
Roadway 1 (M5)	L_{av}	0.50 cd/m²	≥ 0.50 cd/m²	✓
	U_o	0.69	≥ 0.35	✓
	U_l	0.86	≥ 0.40	✓
	TI	8 %	≤ 15 %	✓
	R_{EI}	0.77	≥ 0.30	✓
Sidewalk 1 (P4)	E_{av}	5.07 lx	[5.00 - 7.50] lx	✓
	E_{min}	2.20 lx	≥ 1.00 lx	✓

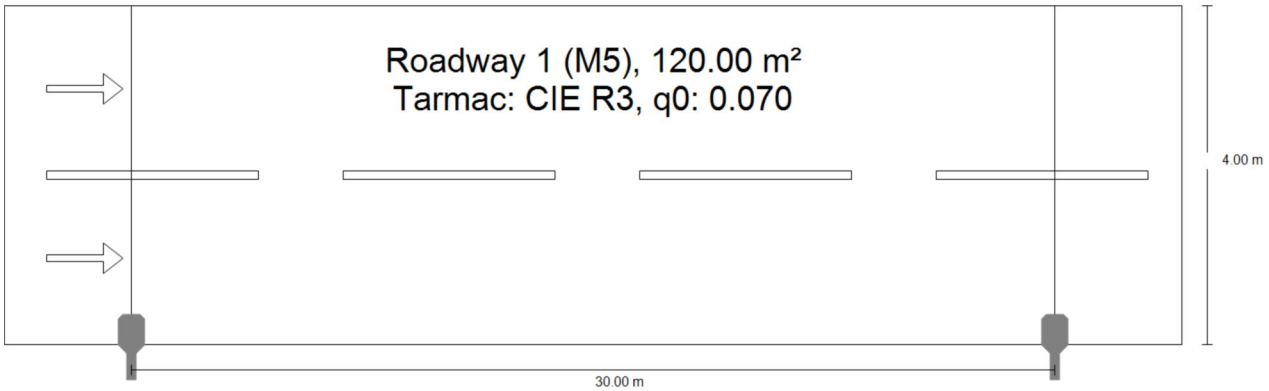
A maintenance factor of 0.80 was used for calculating for the installation.

Results for energy efficiency indicators

	Symbol	Calculated	Consumption
Daugavpils iela (no Kurzemes ielas līdz Daugavpils ielai 12)	D_p	0.017 W/lx*m²	-
SRL 025 740 L90 B016_Bin-N8_TH (single side bottom)	D_e	0.5 kWh/m² yr,	100.0 kWh/yr

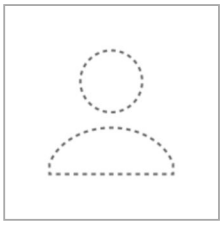
Kurzemes iela

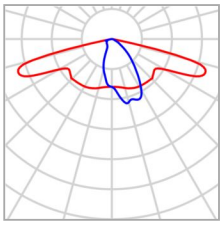
Summary (according to EN 13201:2015)



Kurzemes iela

Summary (according to EN 13201:2015)

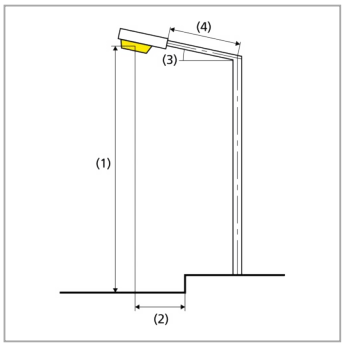




Manufacturer	Not yet a DIALux member
Article No.	Stork Little Brother 25 W 16 LEDs
Article name	SRL 025 740 L90 B016_Bin-N8_TH
Fitting	1x 16 LEDs bin N8

P	25.0 W
Φ_{Lamp}	3511 lm
$\Phi_{Luminaire}$	3511 lm
η	100.00 %

SRL 025 740 L90 B016_Bin-N8_TH (single side bottom)



Pole distance	30.000 m
(1) Light spot height	7.500 m
(2) Light point overhang	0.100 m
(3) Boom inclination	15.0°
(4) Boom length	0.500 m
Annual operating hours	4000 h: 100.0 %, 25.0 W
Consumption	825.0 W/km
ULR / ULOR	0.00 / 0.00
Max. luminous intensities Any direction forming the specified angle from the downward vertical, with the luminaire installed for use.	≥ 70°: 865 cd/klm ≥ 80°: 440 cd/klm ≥ 90°: 13.3 cd/klm
Luminous intensity class The luminous intensity values in [cd/klm] for calculation of the luminous intensity class refer to the luminaire luminous flux according to EN 13201:2015.	-
Glare index class	D.6

Kurzemes iela

Summary (according to EN 13201:2015)

Results for valuation fields

	Symbol	Calculated	Target	Check
Roadway 1 (M5)	L_{av}	0.58 cd/m²	≥ 0.50 cd/m²	✓
	U_o	0.37	≥ 0.35	✓
	U_l	0.59	≥ 0.40	✓
	TI	13 %	≤ 15 %	✓
	R_{EI}	0.36	≥ 0.30	✓

A maintenance factor of 0.80 was used for calculating for the installation.

Results for energy efficiency indicators

	Symbol	Calculated	Consumption
Kurzemes iela	D_p	0.026 W/lx*m²	-
SRL 025 740 L90 B016_Bin-N8_TH (single side bottom)	D_e	0.8 kWh/m² yr,	100.0 kWh/yr