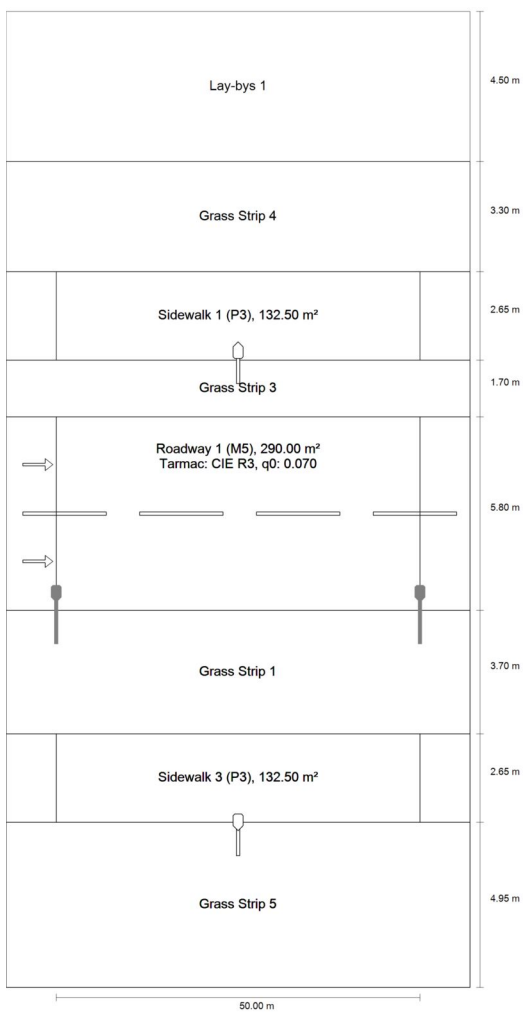
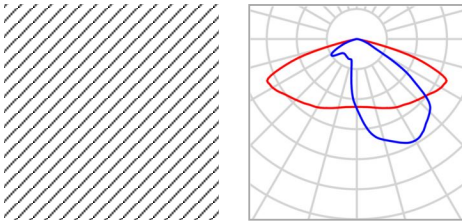


Street 1

Summary (according to EN 13201:2015)



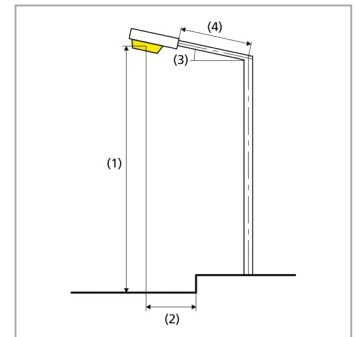
Street 1

Summary (according to EN 13201:2015)

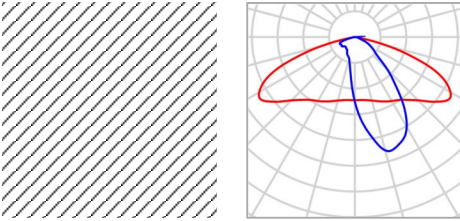
Article No.	STORK LITTLE BROTHER 51W	P	51.0 W
Article name	STORK LITTLE BROTHER 51W	Φ_{Lamp}	7522 lm
Fitting	1x	$\Phi_{\text{Luminaire}}$	7522 lm
		η	100.00 %

STORK LITTLE BROTHER 51W (single side bottom)

Pole distance	50.000 m
(1) Light spot height	9.000 m
(2) Light point overhang	0.500 m
(3) Boom inclination	0.0°
(4) Boom length	1.500 m
Annual operating hours	4000 h: 100.0 %, 51.0 W
Consumption	1020.0 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.	$\geq 70^\circ$: 420 cd/klm $\geq 80^\circ$: 31.6 cd/klm $\geq 90^\circ$: 1.53 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*4
Glare index class	D.4



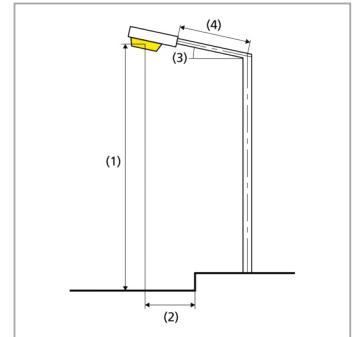
Street 1

Summary (according to EN 13201:2015)

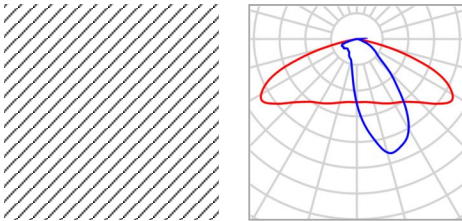
Article No.	STORK LITTLE BROTHER 23W	P	23.0 W
Article name	Stork Little Brother 23W	Φ_{Lamp}	3329 lm
Fitting	1x	$\Phi_{\text{Luminaire}}$	3329 lm
		η	100.00 %

Stork Little Brother 23W (single side top)

Pole distance	50.000 m
(1) Light spot height	6.000 m
(2) Light point overhang	-2.000 m
(3) Boom inclination	0.0°
(4) Boom length	1.000 m
Annual operating hours	4000 h: 100.0 %, 23.0 W
Consumption	460.0 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.	$\geq 70^\circ$: 471 cd/klm $\geq 80^\circ$: 33.3 cd/klm $\geq 90^\circ$: 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*4
Glare index class	D.5



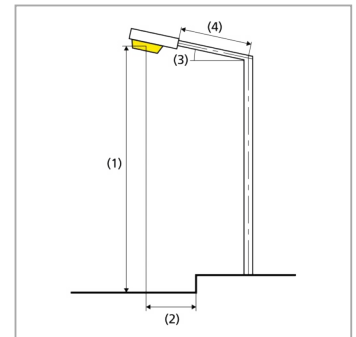
Street 1

Summary (according to EN 13201:2015)

Article No.	STORK LITTLE BROTHER 23W	P	23.0 W
Article name	Stork Little Brother 23W	Φ_{Lamp}	3329 lm
Fitting	1x	$\Phi_{\text{Luminaire}}$	3329 lm
		η	100.00 %

Stork Little Brother 23W (single side bottom)

Pole distance	50.000 m
(1) Light spot height	6.000 m
(2) Light point overhang	-6.350 m
(3) Boom inclination	0.0°
(4) Boom length	1.000 m
Annual operating hours	4000 h: 100.0 %, 23.0 W
Consumption	460.0 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.	$\geq 70^\circ$: 471 cd/klm $\geq 80^\circ$: 33.3 cd/klm $\geq 90^\circ$: 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*4
Glare index class	D.5



Street 1

Summary (according to EN 13201:2015)

Results for valuation fields

	Symbol	Calculated	Target	Check
Sidewalk 1 (P3)	E _{av}	9.15 lx	[7.50 - 11.25] lx	✓
	E _{min}	5.86 lx	≥ 1.50 lx	✓
Roadway 1 (M5)	L _{av}	0.80 cd/m ²	≥ 0.50 cd/m ²	✓
	U _o	0.52	≥ 0.35	✓
	U _l	0.46	≥ 0.40	✓
	TI	6 %	≤ 15 %	✓
	R _{EI}	0.73	≥ 0.30	✓
Sidewalk 3 (P3)	E _{av}	8.99 lx	[7.50 - 11.25] lx	✓
	E _{min}	1.68 lx	≥ 1.50 lx	✓

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

Results for energy efficiency indicators

	Symbol	Calculated	Consumption
Street 1	D _p	0.004 W/lx*m ²	-
STORK LITTLE BROTHER 51W (single side bottom)	D _e	0.4 kWh/m ² yr,	204.0 kWh/yr
Stork Little Brother 23W (single side top)	D _e	0.2 kWh/m ² yr,	92.0 kWh/yr
Stork Little Brother 23W (single side bottom)	D _e	0.2 kWh/m ² yr,	92.0 kWh/yr

EN 13201:2015-5 does not include the case for planning with multiple luminaire arrangements. The calculation of the output values is done therefore only for the luminaire arrangement whose pole distance determines the length of the valuation fields.