



Iluminat Ratus Mindra Telenesti

Lucrări de iluminare stradală în s.Mîndra și s.Ratuș ,r-on Telenеști

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Product data sheets

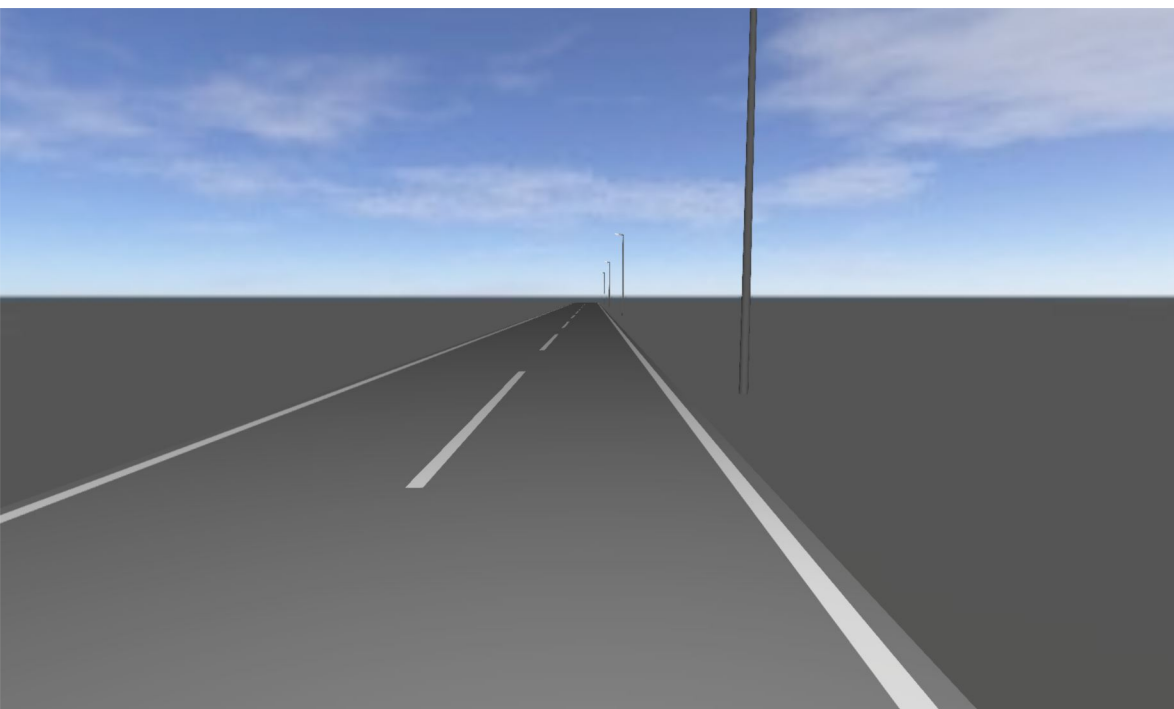
Schröder - SKIDO 5122 Integrated lenses 6 LH351C@700mA NW 740 230V 00-21-247 429352 (1x 6 LH351C@700mA NW 740 230V 00-21-247)	4
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Description

Performante lumino tehnice cerute:

Pentru iluminatul rutier si pietonal, calculele lumino tehnice trebuie sa asigure următoarelor obiective:

Drum central nivel de iluminat E mediu - 6 lx;

Drum secundar nivel de iluminat E mediu -4 lx

Date pentru calcul: Drum central

- Montaj: unilateral
- Distanța între piloni: 40 m
- Lățime carosabil: 6 m
- Retrageră stâlp: 1 m
- Înălțimea de montare: 6,2...6,8m
- Lungimeconsola: 1 m
- Unghi înclinare PL: 0° - maxim 15°

Date pentru calcul: Drum secundar:

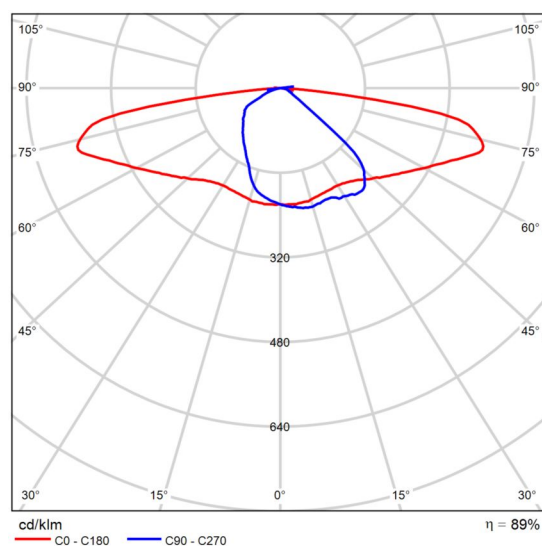
- Montaj: unilateral
- Distanța între piloni: 32 m
- Lățime carosabil: 4 m
- Retrageră stâlp: 0,5m
- Înălțimea de montare: 6,2...6,8m
- Lungimeconsola: 0,5 m
- Unghi înclinare PL: 0° - maxim 15°

Product data sheet

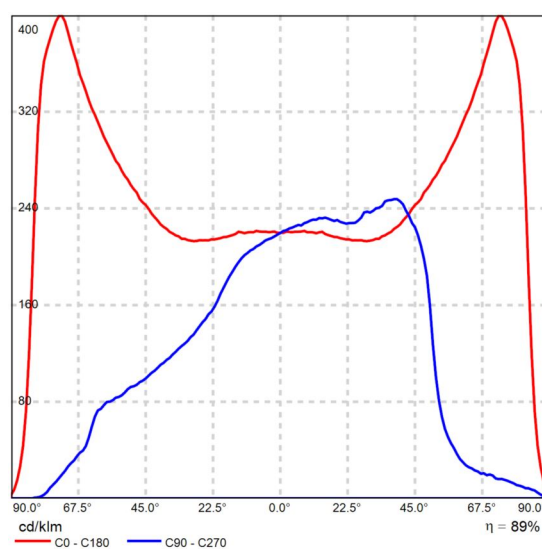
SCHREDER SKIDO 5122 Integrated lenses 6 LH351C@700mA NW 740 230V 00-21-247 429352



Article No.	429352
P	14.9 W
Φ_{Lamp}	2099 lm
$\Phi_{\text{Luminaire}}$	1870 lm
η	89.11 %
Luminous efficacy	125.5 lm/W
CCT	4000 K
CRI	70



Polar LDC



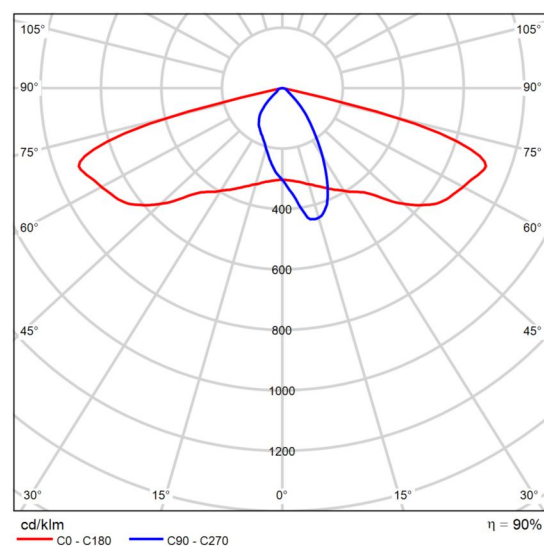
Linear LDC

Product data sheet

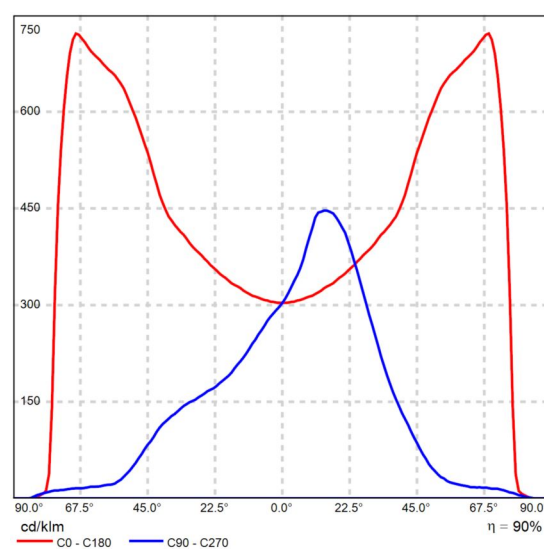
SCHREDER VOLTANA 0 5205 Integrated lenses 6 LH351C@1050mA NW 740 230V 00-17-211
425712



Article No.	425712
P	22.6 W
Φ_{Lamp}	2895 lm
$\Phi_{\text{Luminaire}}$	2592 lm
η	89.52 %
Luminous efficacy	114.7 lm/W
CCT	4000 K
CRI	70



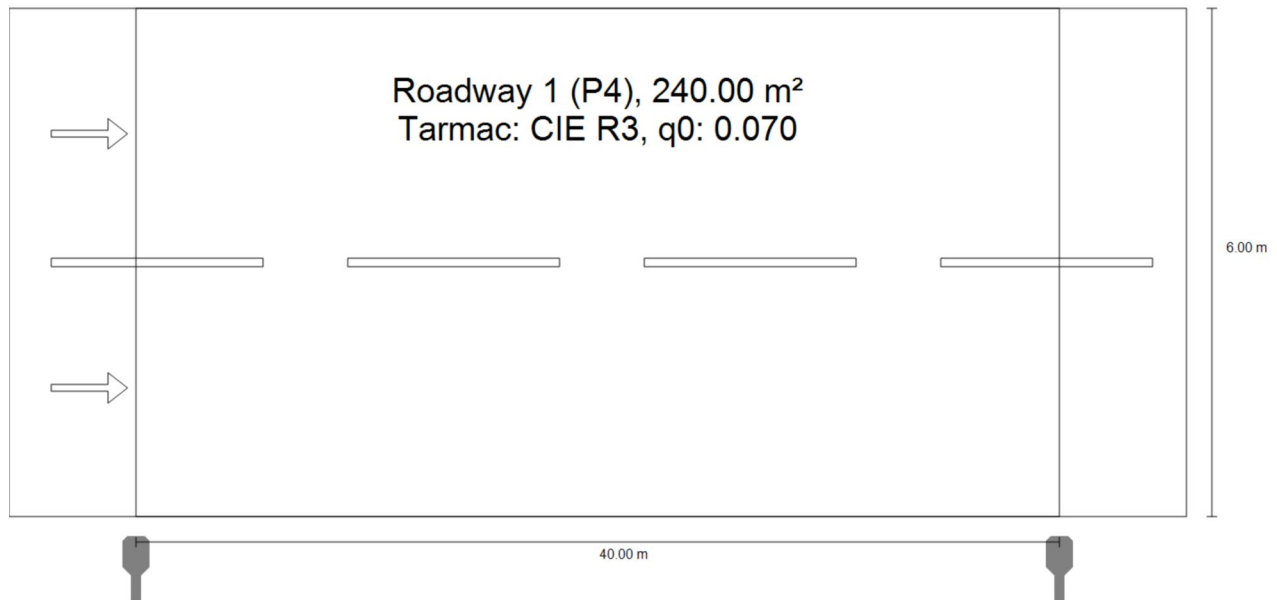
Polar LDC



Linear LDC

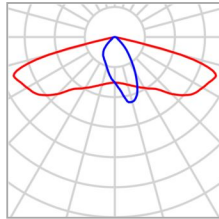
Street 1

Summary (according to EN 13201:2015)



Street 1

Summary (according to EN 13201:2015)



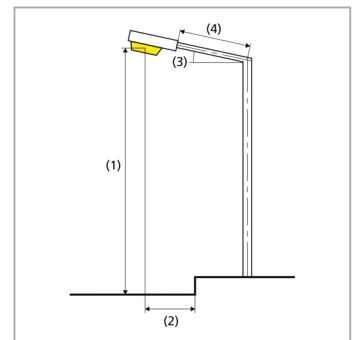
Manufacturer	SCHREDER	P	22.6 W
Article No.	425712	Φ_{Lamp}	2895 lm
Article name	VOLTANA 0 5205 Integrated lenses 6 LH351C@1050mA NW 740 230V 00-17- 211 425712	$\Phi_{\text{Luminaire}}$	2592 lm
Fitting	1x 6 LH351C@1050mA NW 740 230V 00-17- 211	η	89.52 %

Street 1

Summary (according to EN 13201:2015)

VOLTANA 0 5205 Integrated lenses 6 LH351C@1050mA NW 740 230V 00-17-211 425712 (single side bottom)

Pole distance	40.000 m
(1) Light spot height	6.500 m
(2) Light point overhang	-0.493 m
(3) Boom inclination	15.0°
(4) Boom length	0.501 m
Annual operating hours	4000 h: 100.0 %, 22.6 W
Consumption	565.0 W/km
ULR / ULOR	0.00 / 0.00
Max. luminous intensities	≥ 70°: 840 cd/klm
Any direction forming the specified angle from the downward vertical, with the luminaire installed for use.	≥ 80°: 281 cd/klm ≥ 90°: 12.4 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



Results for valuation fields

	Symbol	Calculated	Target	Check
Roadway 1 (P4)	$E_{av}^{(2)}$	6.11 lx	[6.00 - 9.00] lx	✓
	E_{min}	1.59 lx	≥ 1.00 lx	✓
	TI	22 %	≤ 30 %	✓

(2) Setpoint changed by the planner, deviant to the norm

A maintenance factor of 0.85 was used for calculating for the installation.

Street 1

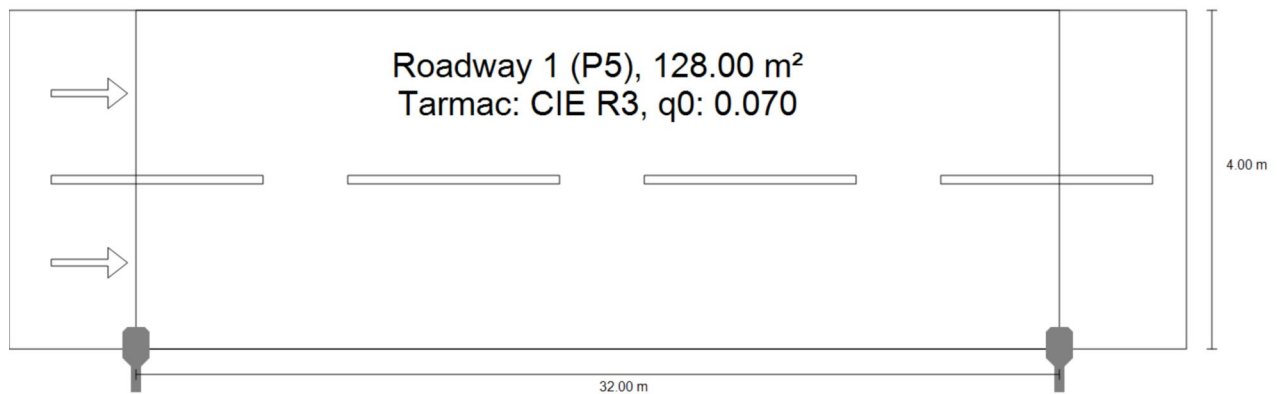
Summary (according to EN 13201:2015)

Results for energy efficiency indicators

	Symbol	Calculated	Consumption
Street 1	D_p	0.015 W/lx*m ²	-
VOLTANA 0 5205 Integrated lenses 6 LH351C@1050mA NW 740 230V 00-17-211 425712 (single side bottom)	D_e	0.4 kWh/m ² yr,	90.4 kWh/yr

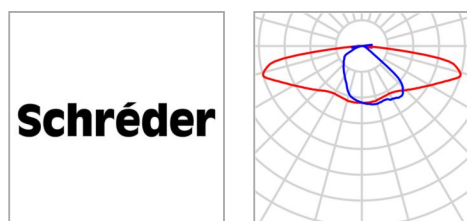
Street 2

Summary (according to EN 13201:2015)



Street 2

Summary (according to EN 13201:2015)



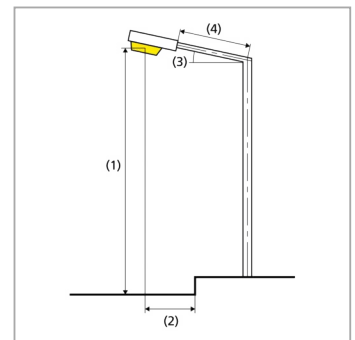
Manufacturer	SCHREDER	P	14.9 W
Article No.	429352	Φ_{Lamp}	2099 lm
Article name	SKIDO 5122 Integrated lenses 6 LH351C@700mA NW 740 230V 00-21-247 429352	$\Phi_{\text{Luminaire}}$	1870 lm
Fitting	1x 6 LH351C@700mA NW 740 230V 00-21-247	η	89.11 %

Street 2

Summary (according to EN 13201:2015)

SKIDO 5122 Integrated lenses 6 LH351C@700mA NW 740 230V 00-21-247 429352 (single side bottom)

Pole distance	32.000 m
(1) Light spot height	6.500 m
(2) Light point overhang	0.000 m
(3) Boom inclination	0.0°
(4) Boom length	0.500 m
Annual operating hours	4000 h: 100.0 %, 14.9 W
Consumption	461.9 W/km
ULR / ULOR	0.00 / 0.00
Max. luminous intensities	≥ 70°: 593 cd/klm
Any direction forming the specified angle from the downward vertical, with the luminaire installed for use.	≥ 80°: 431 cd/klm ≥ 90°: 7.68 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.2



Results for valuation fields

	Symbol	Calculated	Target	Check
Roadway 1 (P5)	$E_{av}^{(2)}$	4.31 lx	[4.00 - 6.00] lx	✓
	E_{min}	1.73 lx	≥ 0.60 lx	✓
	TI	16 %	≤ 30 %	✓

(2) Setpoint changed by the planner, deviant to the norm

A maintenance factor of 0.85 was used for calculating for the installation.

Street 2

Summary (according to EN 13201:2015)

Results for energy efficiency indicators

	Symbol	Calculated	Consumption
Street 2	D_p	0.027 W/lx*m ²	-
SKIDO 5122 Integrated lenses 6 LH351C@700mA NW 740 230V 00-21-247 429352 (single side bottom)	D_e	0.5 kWh/m ² yr,	59.6 kWh/yr