



Iluminare stradala in satul Mindresti, raionul Telenesti.

Iluminat stradal PT-74

Content

Cover page	1
Content	2
Description	3

Product data sheets

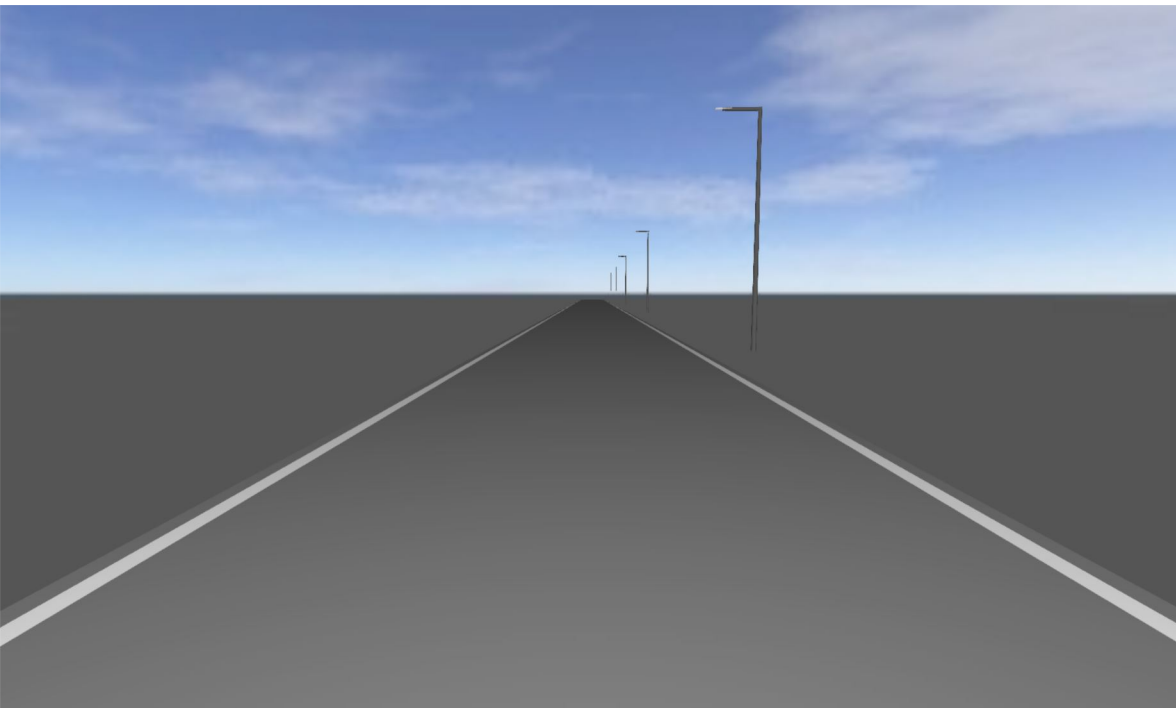
Schröder - VOLTANA EVO 1 5270 Integrated lenses 8 OSLO SQUARE	4
GIANT@500mA NW 740 230V 00-30-692 481232 (1x 8 OSLO SQUARE GIANT@500mA NW 740 230V 00-30-692)	
Schröder - VOLTANA EVO 1 5270 Integrated lenses 8 OSLO SQUARE	5
GIANT@700mA NW 740 230V 00-17-210 481232 (1x 8 OSLO SQUARE GIANT@700mA NW 740 230V 00-17-210)	

strdzi auxiliare a constructiilor de locuit · Alternative 7

Summary (according to EN 13201:2015)	6
--	---

strdzi principale a constructiilor de locuit · Alternative 6

Summary (according to EN 13201:2015)	10
--	----



Description

Modernizarea si eficientizarea sistemului de iluminat public stradal se va face prin achizitionarea si montarea corpurilor de iluminat echipate cu surse LED pe stapi existenli (sau nou montali dupa caz), impartite pe clase de iluminare medie orizontala, la nivelul imbracamintei strazilor conform descrierii de mai jos:

Strazi principale a constructiilor de locuit - iluminatul mediu orizontal - 6 lx

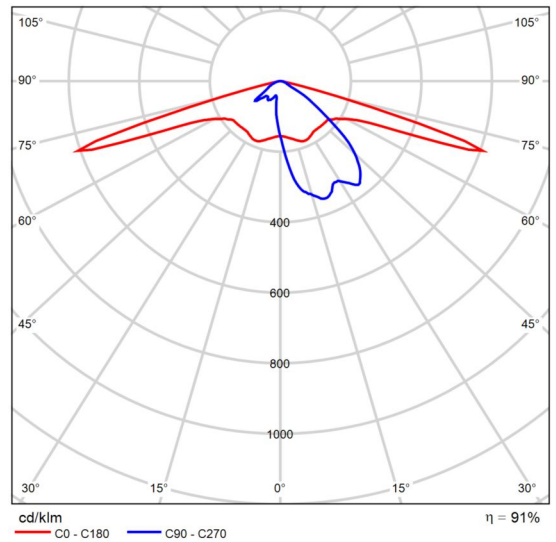
Strazi auxiliare a constructiilor de locuit - iluminatul mediu orizontal - 4 lx

Product data sheet

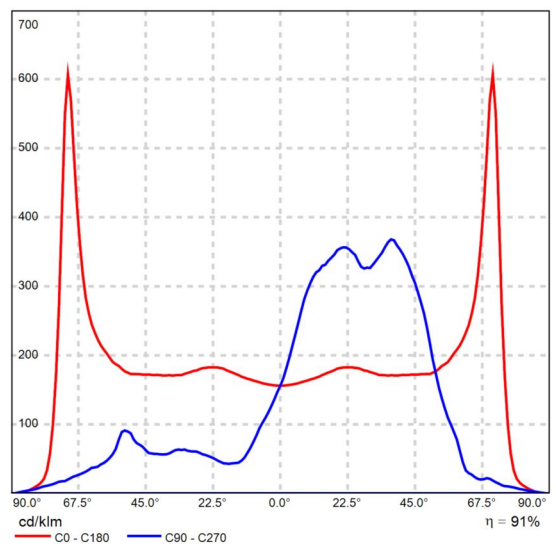
Schröder - VOLTANA EVO 1 5270 Integrated lenses 8 OSOLON SQUARE GIANT@500mA NW 740 230V
00-30-692 481232



Article No.	481232
P	13.1 W
Φ_{Lamp}	1996 lm
$\Phi_{Luminaire}$	1811 lm
η	90.72 %
Luminous efficacy	138.2 lm/W
CCT	4000 K
CRI	70



Polar LDC



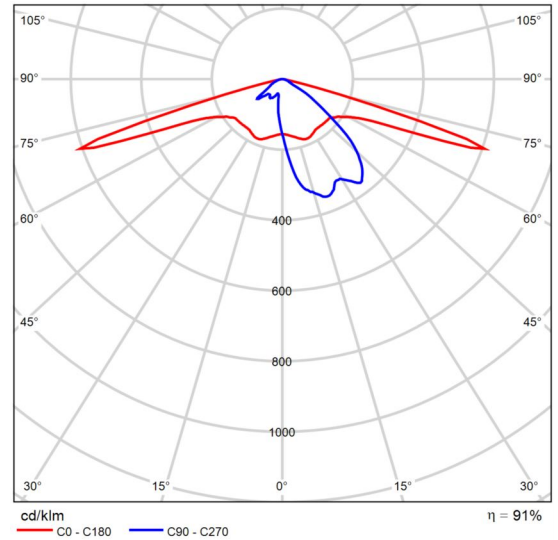
Linear LDC

Product data sheet

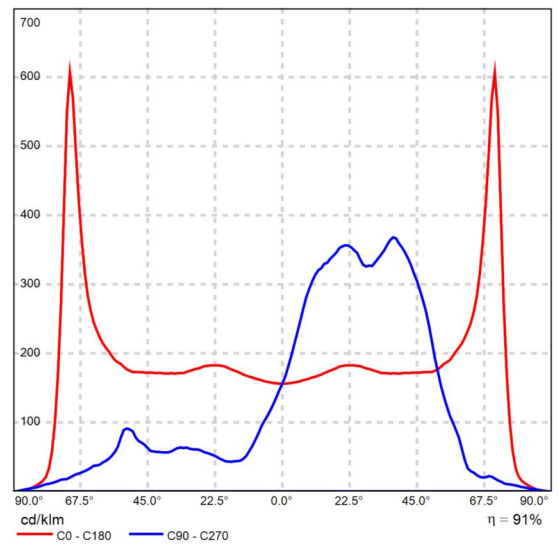
Schröder - VOLTANA EVO 1 5270 Integrated lenses 8 OSOLON SQUARE GIANT@700mA NW 740 230V 00-17-210 481232



Article No.	481232
P	18.4 W
Φ_{Lamp}	2652 lm
$\Phi_{Luminaire}$	2406 lm
η	90.72 %
Luminous efficacy	130.8 lm/W
CCT	4000 K
CRI	70



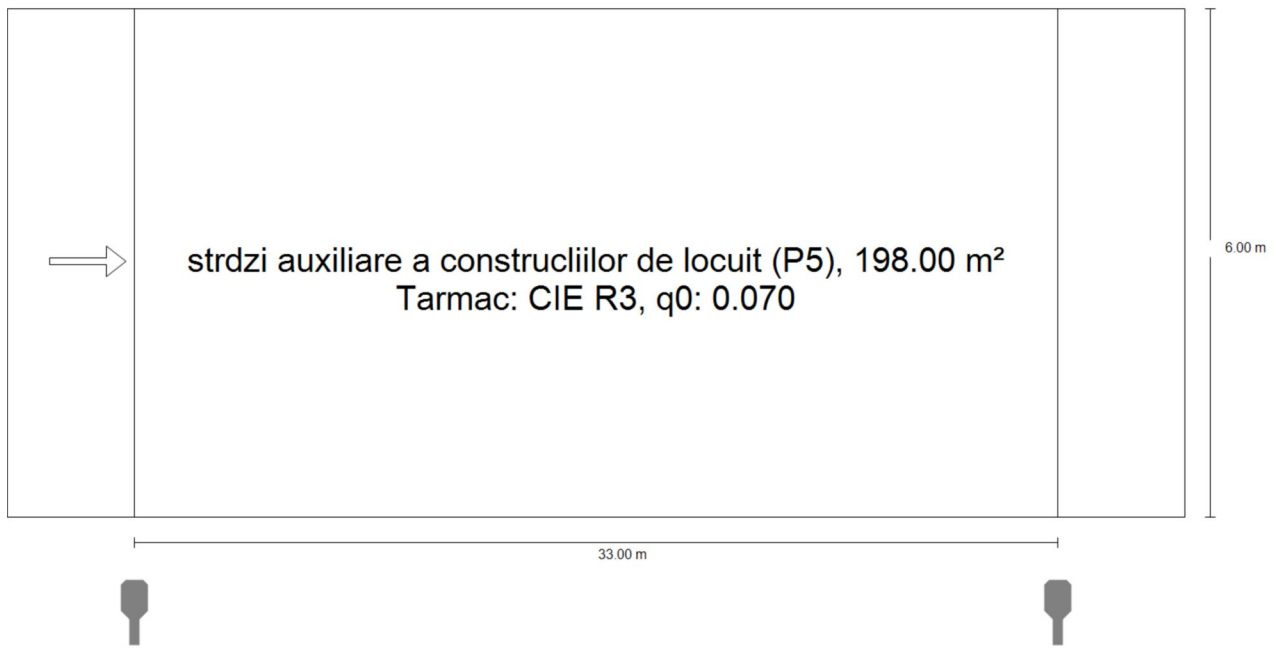
Polar LDC



Linear LDC

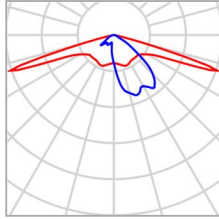
strdzi auxiliare a construciilor de locuit

Summary (according to EN 13201:2015)



strdzi auxiliare a construciilor de locuit

Summary (according to EN 13201:2015)



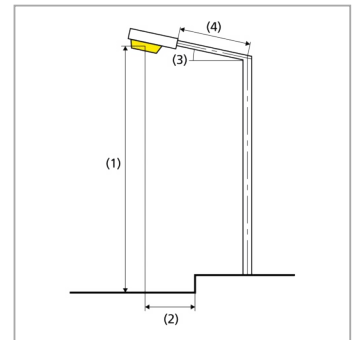
Manufacturer	Schröder	P	13.1 W
Article No.	481232	Φ_{Lamp}	1996 lm
Article name	VOLTANA EVO 1 5270 Integrated lenses 8 OSLON SQUARE GIANT@500mA NW 740 230V 00-30-692 481232	$\Phi_{Luminaire}$	1811 lm
		η	90.72 %
Fitting	1x 8 OSLON SQUARE GIANT@500mA NW 740 230V 00-30-692		

strdzi auxiliare a construciilor de locuit

Summary (according to EN 13201:2015)

VOLTANA EVO 1 5270 Integrated lenses 8 OSLOM SQUARE GIANT@500mA NW 740 230V 00-30-692 481232 (single side bottom)

Pole distance	33.000 m
(1) Light spot height	6.500 m
(2) Light point overhang	-1.000 m
(3) Boom inclination	0.0°
(4) Boom length	0.500 m
Annual operating hours	4000 h: 100.0 %, 13.1 W
Consumption	393.0 W/km
ULR / ULOR	0.00 / 0.00
Max. luminous intensities	≥ 70°: 1128 cd/klm
Any direction forming the specified angle from the downward vertical, with the luminaire installed for use.	≥ 80°: 91.5 cd/klm ≥ 90°: 0.00 cd/klm
Luminous intensity class	G*3
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
strdzi auxiliare a construciilor de locuit (P5)	TI	17 %	≤ 30 %	✓
	E _{av} ⁽²⁾	4.61 lx	[4.00 - 6.00] lx	✓
	E _{min}	2.17 lx	≥ 0.60 lx	✓

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

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

strdzi auxiliare a construciilor de locuit

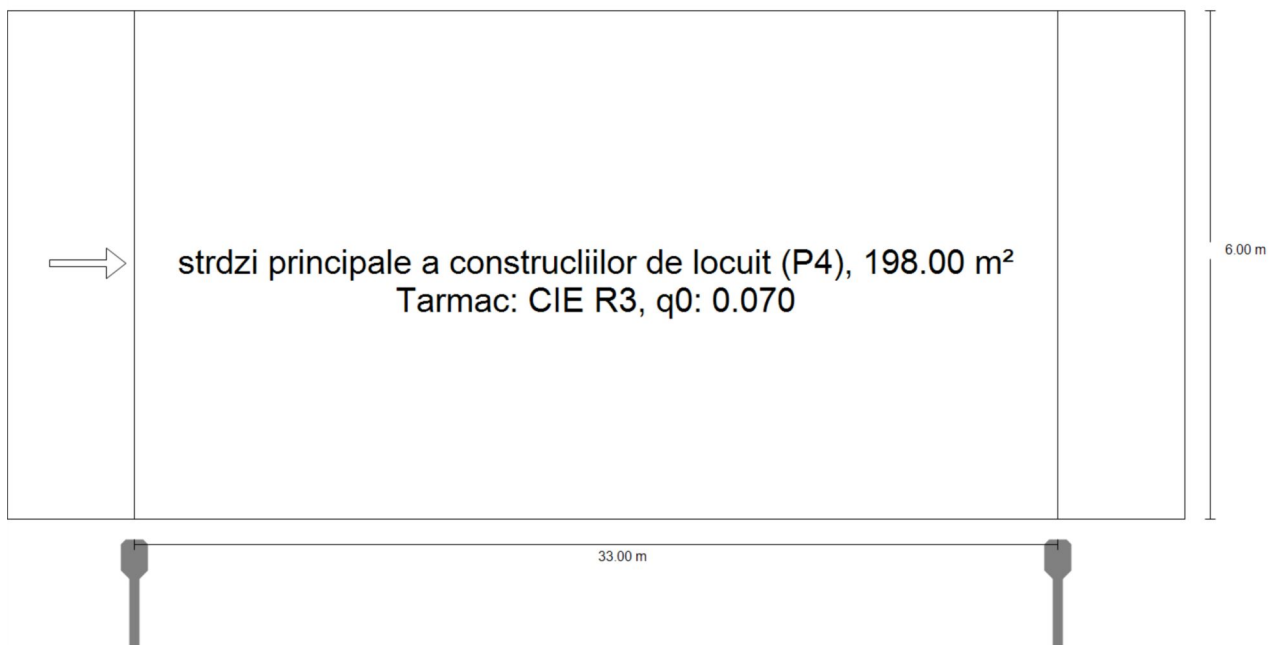
Summary (according to EN 13201:2015)

Results for energy efficiency indicators

	Symbol	Calculated	Consumption
strdzi auxiliare a construciilor de locuit	D _p	0.014 W/lx*m ²	-
VOLTANA EVO 1 5270 Integrated lenses 8 OSLO SQUARE GIANT@500mA NW 740 230V 00-30-692 481232 (single side bottom)	D _e	0.3 kWh/m ² yr,	52.4 kWh/yr

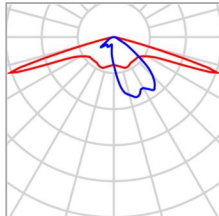
strdzi principale a construciilor de locuit

Summary (according to EN 13201:2015)



strdzi principale a construciilor de locuit

Summary (according to EN 13201:2015)



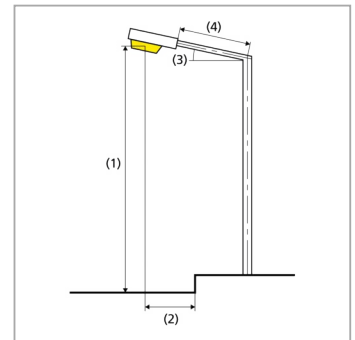
Manufacturer	Schröder	P	18.4 W
Article No.	481232	Φ_{Lamp}	2652 lm
Article name	VOLTANA EVO 1 5270 Integrated lenses 8 OSLON SQUARE GIANT@700mA NW 740 230V 00-17-210 481232	$\Phi_{Luminaire}$	2406 lm
		η	90.72 %
Fitting	1x 8 OSLON SQUARE GIANT@700mA NW 740 230V 00-17-210		

strdzi principale a construciilor de locuit

Summary (according to EN 13201:2015)

VOLTANA EVO 1 5270 Integrated lenses 8 OSOLON SQUARE GIANT@700mA NW 740 230V 00-17-210 481232 (single side bottom)

Pole distance	33.000 m
(1) Light spot height	6.500 m
(2) Light point overhang	-0.500 m
(3) Boom inclination	0.0°
(4) Boom length	1.000 m
Annual operating hours	4000 h: 100.0 %, 18.4 W
Consumption	552.0 W/km
ULR / ULOR	0.00 / 0.00
Max. luminous intensities	≥ 70°: 1128 cd/klm
Any direction forming the specified angle from the downward vertical, with the luminaire installed for use.	≥ 80°: 91.5 cd/klm ≥ 90°: 0.00 cd/klm
Luminous intensity class	G*3
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
strdzi principale a construciilor de locuit (P4)	TI	18 %	≤ 30 %	✓
	E _{av} ⁽²⁾	6.59 lx	[6.00 - 9.00] lx	✓
	E _{min}	3.18 lx	≥ 1.00 lx	✓

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

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

strdzi principale a construciilor de locuit

Summary (according to EN 13201:2015)

Results for energy efficiency indicators

	Symbol	Calculated	Consumption
strdzi principale a construciilor de locuit	D _p	0.014 W/lx*m ²	-
VOLTANA EVO 1 5270 Integrated lenses 8 OSLO SQUARE GIANT@700mA NW 740 230V 00-17-210 481232 (single side bottom)	D _e	0.4 kWh/m ² yr,	73.6 kWh/yr