

SEMAI



ons



LED

up to
**8900
lm**

up to
**110
lm/W**

**70
Ra**

**tiltable
spigot**

43%
ENERGY SAVING



Name of luminaire

TRITON 1x100 W

SEMAI

Light source

ST

LED

Luminous flux of installed light sources (lm)

9000

6950

LOR (%)

75

100

Net lumen output (at Ta = 25 °C)

6750

6950

Power consumption (W)

110

63

System efficacy of luminaire (lm/W)

61

110

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Features

- Low power consumption and high system efficacy up to 110 lm/W
- Correlated color temperature of 4500 K (4000 K or 5000 K on request)
- Tilttable spigot (135° in 5° steps)
- Up to 150 W sodium lamp replacement

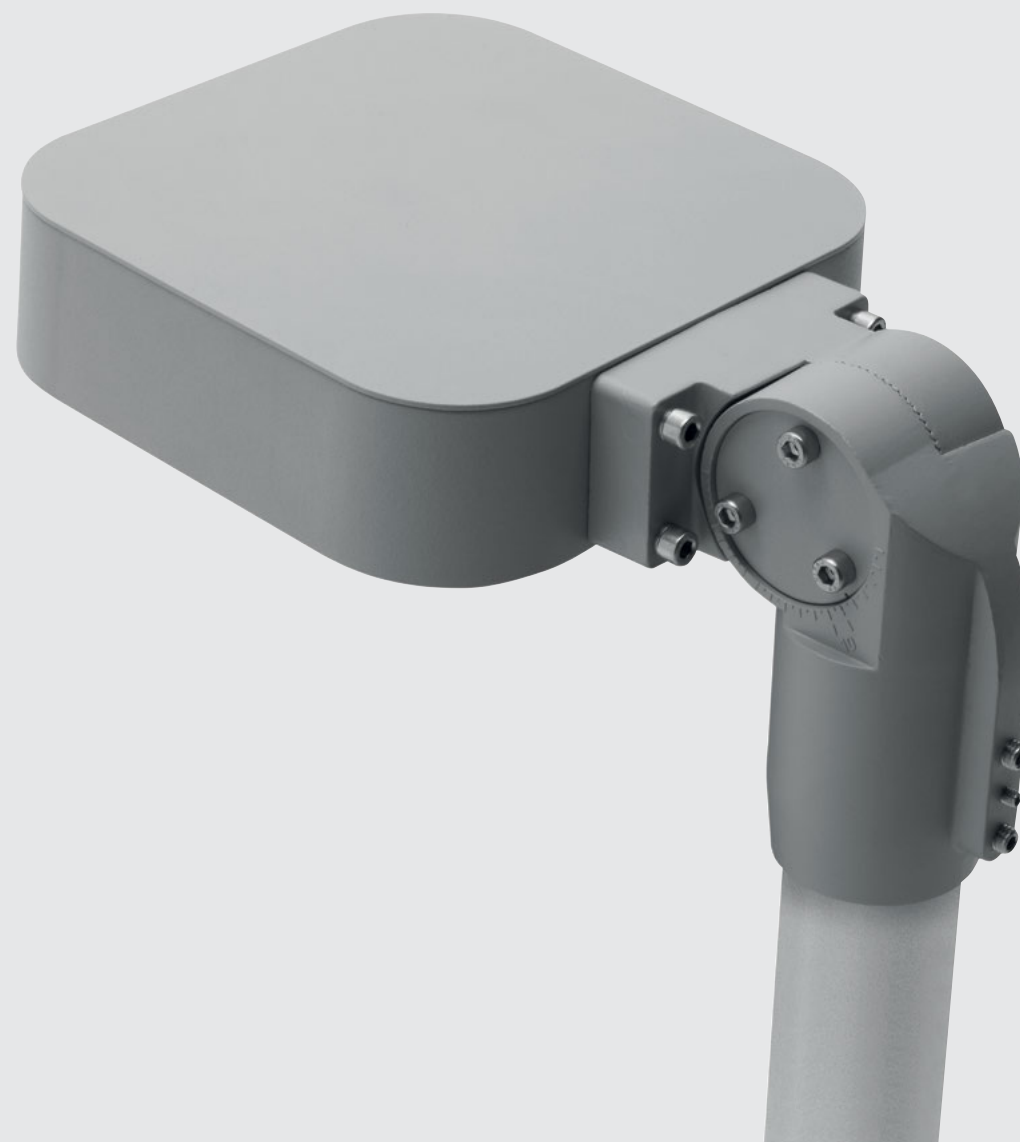
Areas of applications

- Streets, sidewalks, parks, industrial areas



LED

Mounting	Pole top and side entry installation
Light source	LED
Optical system	Lenses
Light distribution	Direct
Wiring	Electronic control gear On request: intelligent dimming / step dimming (bi-level output) / 1-10V
Materials	Housing: die cast aluminium Cover: hardened transparent glass Frame: sheet steel Tilttable spigot: die cast aluminium
Surface finish	Housing: grey (RAL 9006)
Lifetime LED	50,000 hrs / L70
Ambient temperature	-25 °C to +40 °C



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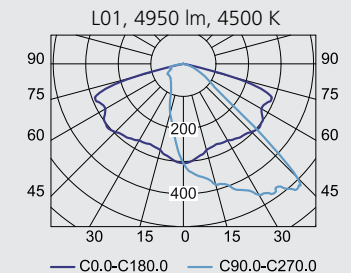
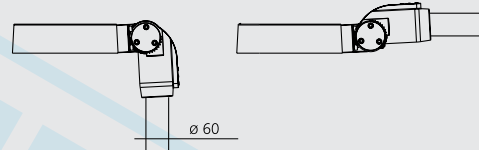
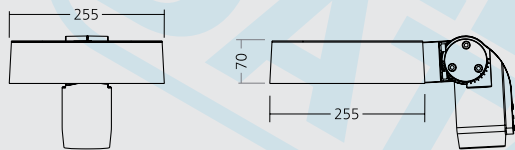
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STANDARD



ON REQUEST



Type	net lumen output (at Ta = 25 °C)	power consumption	colour rendering index	correlated colour temperature	windage area side / top	recommended mounting height	replacement of standard	weight
	(lm)	(W)	CRI (Ra)	CCT (K)	(m²)	(m)		(kg)
SEMAI	2950	27	70	4500	0.018 / 0.062	5-8	HPS 70 W	7.6
SEMAI	3950	36	70	4500	0.018 / 0.062	5-8	HPS 70 W	7.6
SEMAI	4950	45	70	4500	0.018 / 0.062	7-10	HPS 70 W	8.0
SEMAI	5950	54	70	4500	0.018 / 0.062	7-10	HPS 100 W	8.0
SEMAI	6950	63	70	4500	0.018 / 0.062	8-12	HPS 100 W	8.0
SEMAI	8900	81	70	4500	0.018 / 0.062	8-12	HPS 100 W	8.2

Luminous flux tolerance +/- 10%



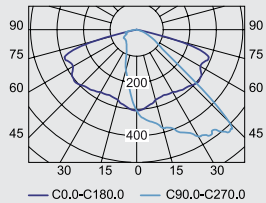
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light distribution options



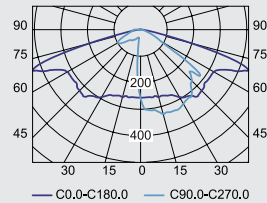
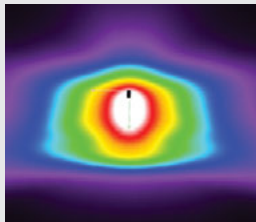
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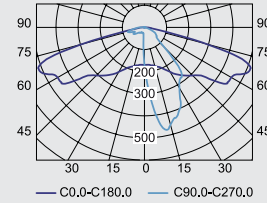
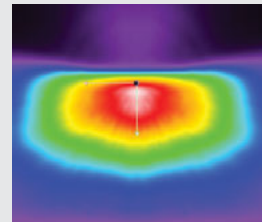
L01

LOR = 100%
lower flux fraction 100%
upper flux fraction 0%



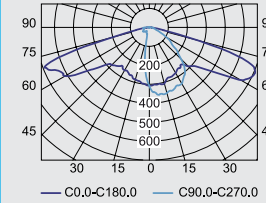
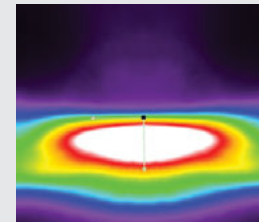
L04

LOR = 100%
lower flux fraction 100%
upper flux fraction 0%



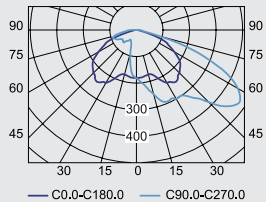
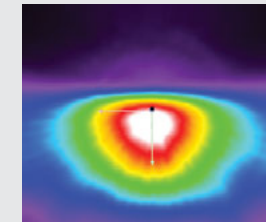
L05

LOR = 100%
lower flux fraction 100%
upper flux fraction 0%



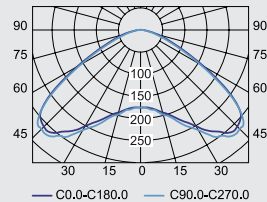
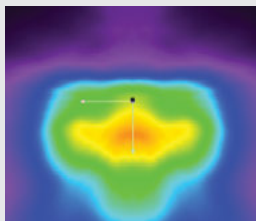
L06

LOR = 100%
lower flux fraction 100%
upper flux fraction 0%



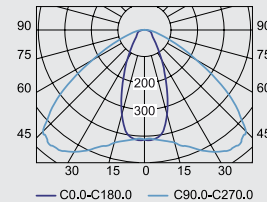
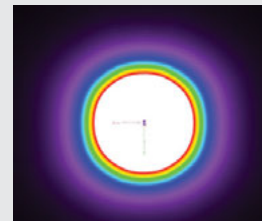
L08

LOR = 100%
lower flux fraction 100%
upper flux fraction 0%



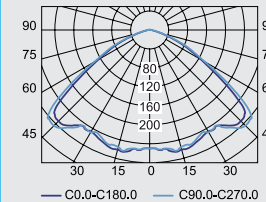
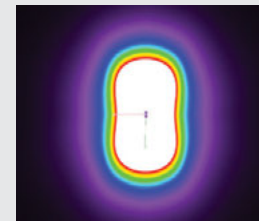
L09

LOR = 100%
lower flux fraction 100%
upper flux fraction 0%



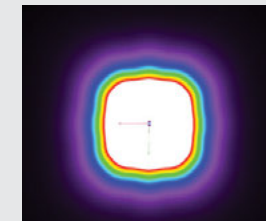
L10

LOR = 100%
lower flux fraction 100%
upper flux fraction 0%



L12

LOR = 100%
lower flux fraction 100%
upper flux fraction 0%



STREET LIGHTING CONFIGURATOR



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The Street Lighting Configurator is a tool which combines existing lenses on the market to create the requested LIDC.

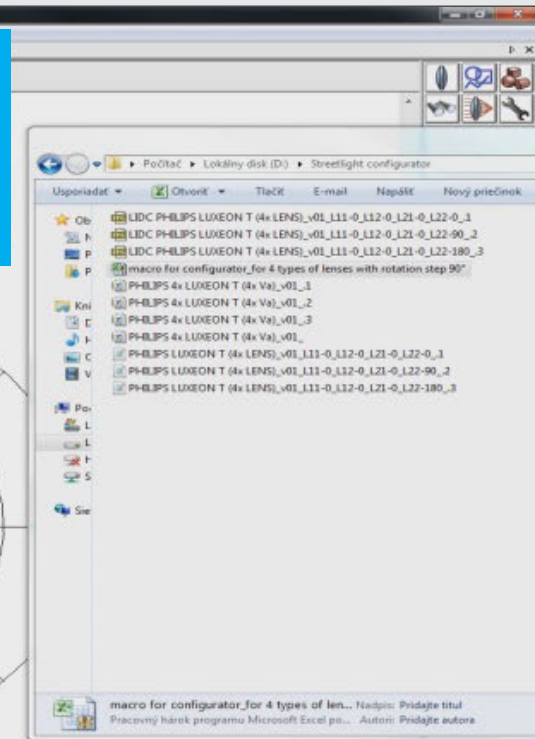
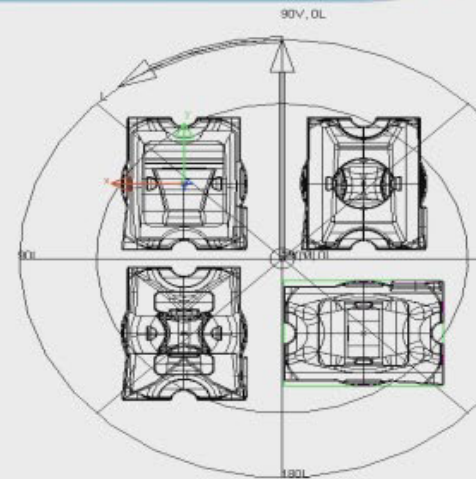
the configurator uses 4 different lenses with different intensity curves and calculates 256 combinations with rotation steps 90°

it is possible to insert the LDT of any lens into the configurator

it is possible to modify the rotation step

the configurator can be extended to work with more LID curves

the configurator can be used to mix different luminous intensity curves



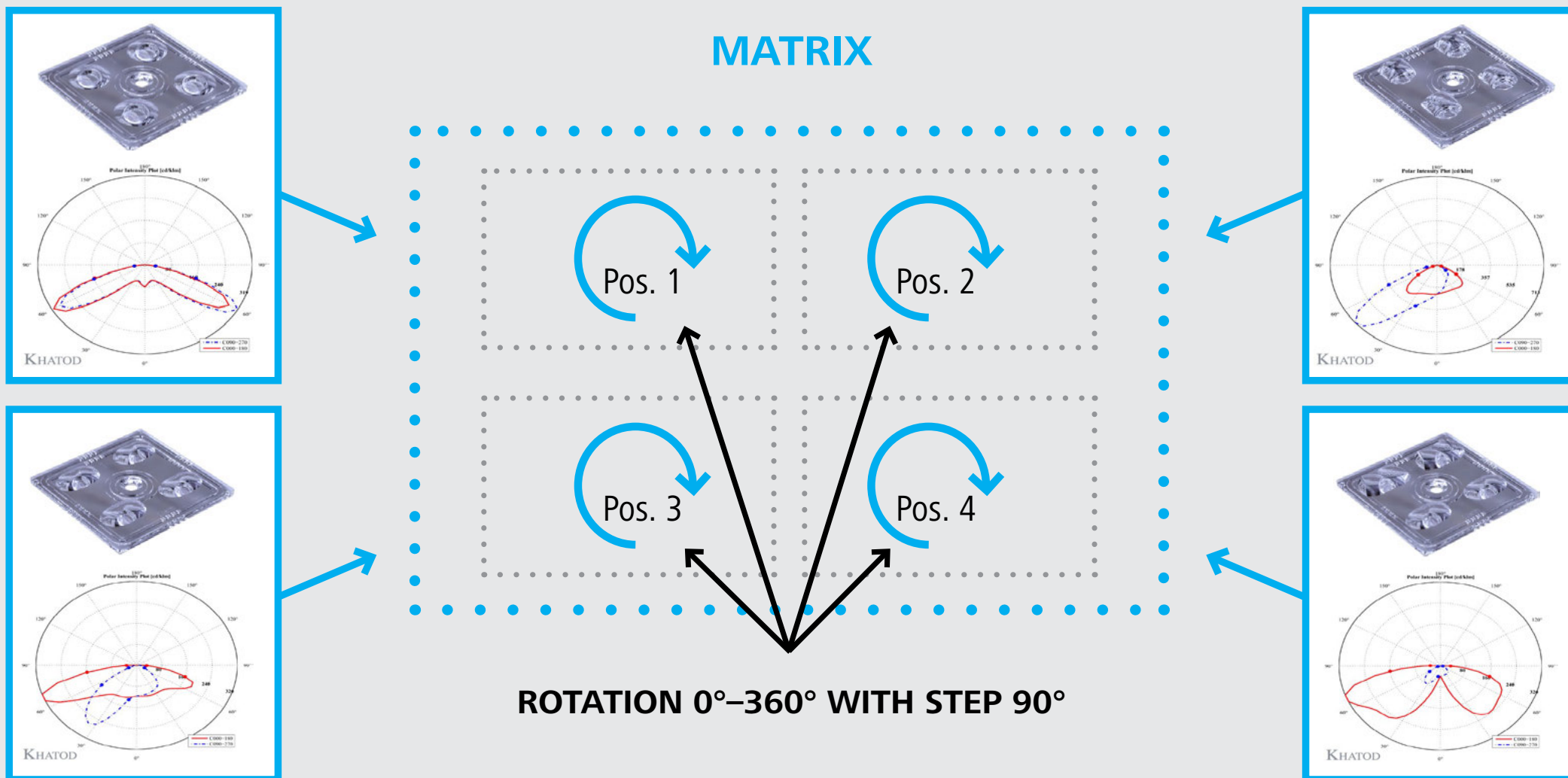
STREET LIGHTING CONFIGURATOR



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MATRIX



LED



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Light source	ST	LED
Luminous flux of installed light sources (lm)	9000	6950
LOR (%)	75	100
Net lumen output (at Ta = 25 °C)	6750	6950
Power consumption (W)	110	63
System efficacy of luminaire (lm/W)	61	110

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ENERGY SAVING



OMS

THANK YOU

'FOLLOW THE RIGHT LIGHT'

