

SEMAI DC

ideal solution for connection with Solar panels



oms



LED

up to
**4950
lm**

up to
**110
lm/W**

**70
Ra**

**tiltable
spigot**

**connection
with Solar
panels**



SEMAI DC

ideal solution for connection with Solar panels



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LED



Features

- Ideal solution for connection with Solar panels
- Low power consumption and high system efficacy up to 110 lm/W
- 8 different light distribution curves (lenses types L01 standard, other types on request)
- Tilttable spigot (135° in 5° steps)

Areas of applications

- Streets, sidewalks, parks, industrial areas



5 YEAR WARRANTY



MAINTENANCE FREE



ECO FRIENDLY



ENERGY SAVING



UV/IR

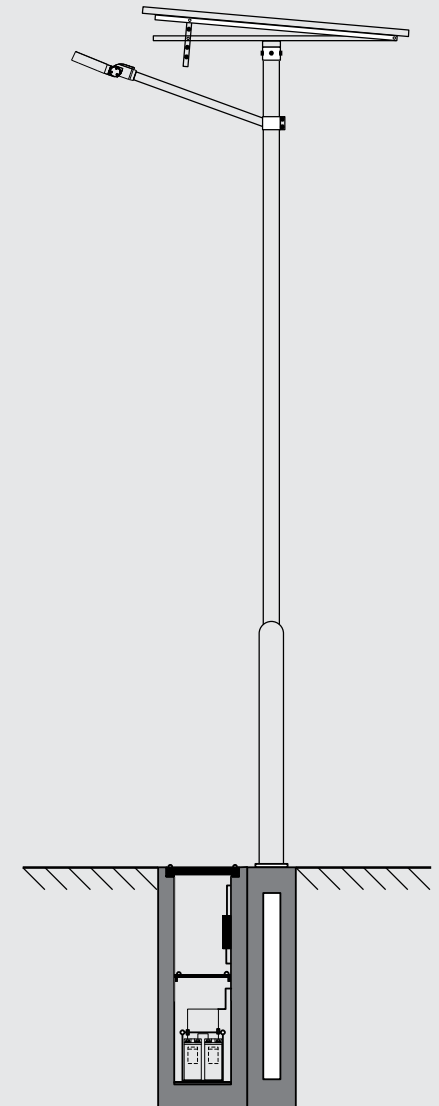
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LED

Mounting	Pole top and side entry installation
Light source	LED
Optical system	Lenses
Light distribution	Direct
Wiring	Electronic control gear FIX / intelligent dimming
Materials	Housing: die cast aluminium Cover: hardened transparent glass Frame: sheet steel Tiltable spigot: die cast aluminium
Surface finish	Housing: grey (RAL 9006)
Accessories	External lead-in flexible cable
Lifetime LED	up to 100,000 hrs / L80
Ambient temperature	-20 °C up to +40 °C

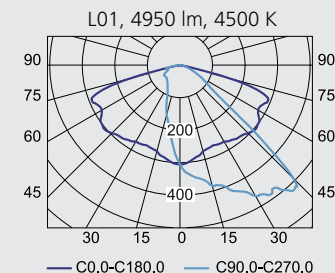


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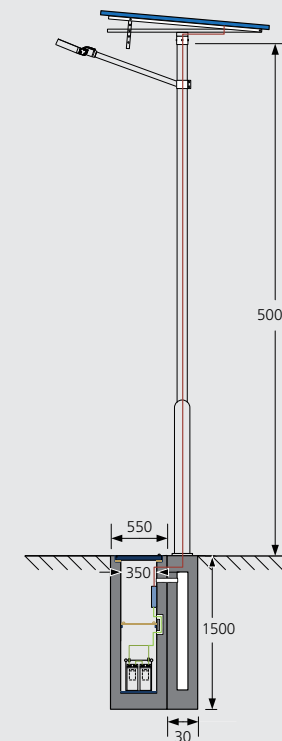
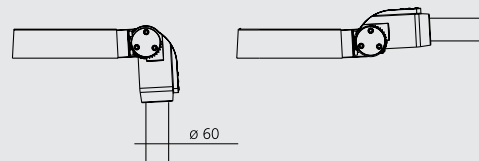
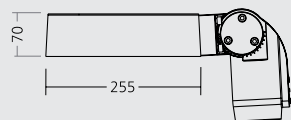
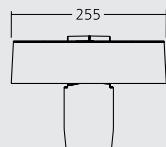


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LED



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



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	EEC	weight
	(lm)	(W)	CRI (Ra)	CCT (K)	(m ²)	(m)			(kg)
SEMAI	3950	36	70	4500	0.018 / 0.062	5-8	HPS 70 W	A++ / A+ / A	7.6
SEMAI	4950	45	70	4500	0.018 / 0.062	7-10	HPS 70 W	A++ / A+ / A	8.0

Luminous flux tolerance +/- 10%



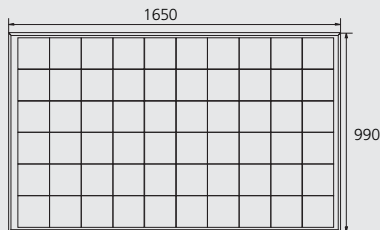
SEMAI DC

solar panel



Features

- Positive power tolerance
- Withstand strong wind / snow load (up to 5400 Pa)
- Excellent low light performance
- 100% EL inline inspection
- Certified ammonia resistance
- Prolonged aging test



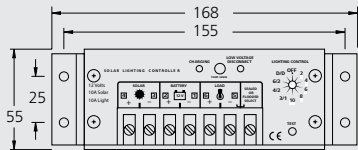
voltage	power	efficiency	safety	operating temperature	lifetime light engine	weight
(Voc)	(Wp)	(%)	(IP)	(°C)	(year)	(kg)
38.63	250	15.3	65	-40 / +85	10 year L90 25 year L80	18.3

SEMAI DC controller



Features

- Fully automatic operation
- Ten field adjustable lighting control options
- Detects day and night using the PV array
- Micro controller digital accuracy with LVD override protection
- Temperature compensation



voltage	current	operating temperature	weight
(V)	(mA)	(°C)	(kg)
14	8	-40 / +85	0.3

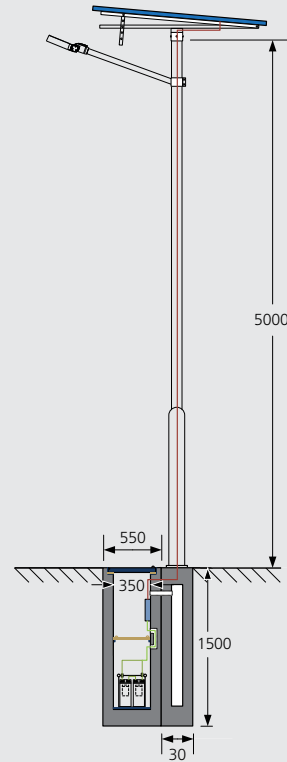
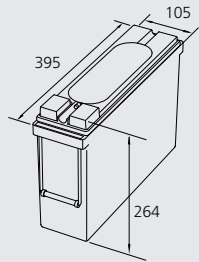
SEMAI DC battery



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Features

- Superior cyclic performance
- Exceptional fast charge acceptance ability
- High energy density
- Resilient to harsh environments
- Long design life
- Up to two year shelf life



voltage	power / capacity	safety	operating temperature	weight
(V)	(Ah / V)		(°C)	(kg)
12	92 / 12	UL 94 V-0	-40 / +50	28

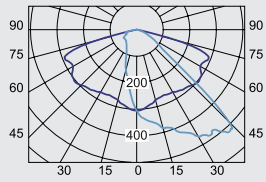
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light distribution options



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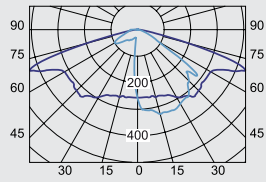
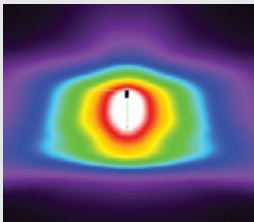
LED



L01

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

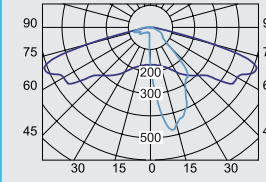
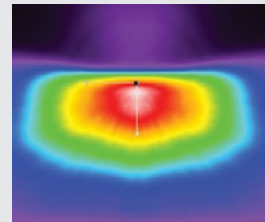
— C0.0-C180.0 — C90.0-C270.0



L04

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

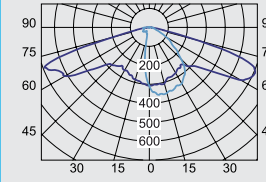
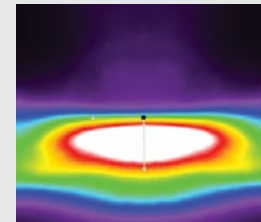
— C0.0-C180.0 — C90.0-C270.0



L05

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

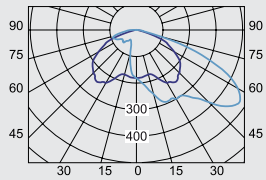
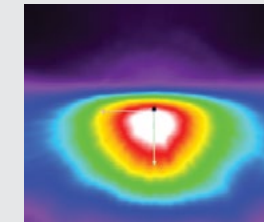
— C0.0-C180.0 — C90.0-C270.0



L06

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

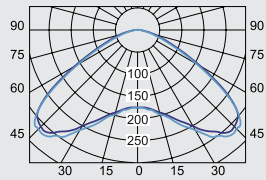
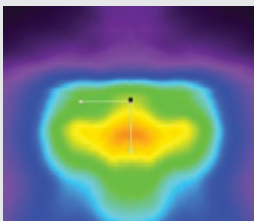
— C0.0-C180.0 — C90.0-C270.0



L08

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

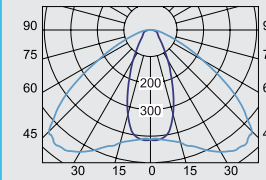
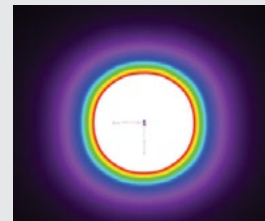
— C0.0-C180.0 — C90.0-C270.0



L09

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

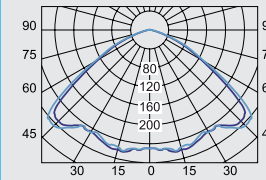
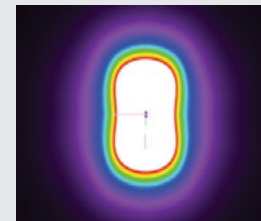
— C0.0-C180.0 — C90.0-C270.0



L10

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

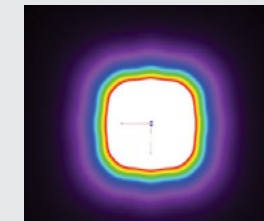
— C0.0-C180.0 — C90.0-C270.0



L12

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

— C0.0-C180.0 — C90.0-C270.0





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THANK YOU

FOR MORE INFORMATION

PLEASE CONTACT YOUR OMS SALES REPRESENTATIVE



'FOLLOW THE RIGHT LIGHT'

