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SES Square

SES SQUARE

Technical Data Sheet

Key features

- *Very High Finishing under QualitiSteelCo*
- *Tempered glass with 94% light transmittance, IK09*
- *Modular optical lens design*
- *Clip-on design makes lamp easy to install, maintain & replace*
- *Detachable design, easy maintenance*
- *Vertical PV Module, self cleaning glass - lotus effect*

Certifications



Colours



Pole: Silver Brilliant Effect



Elbow: Black



More colors on request



Light Distribution Options

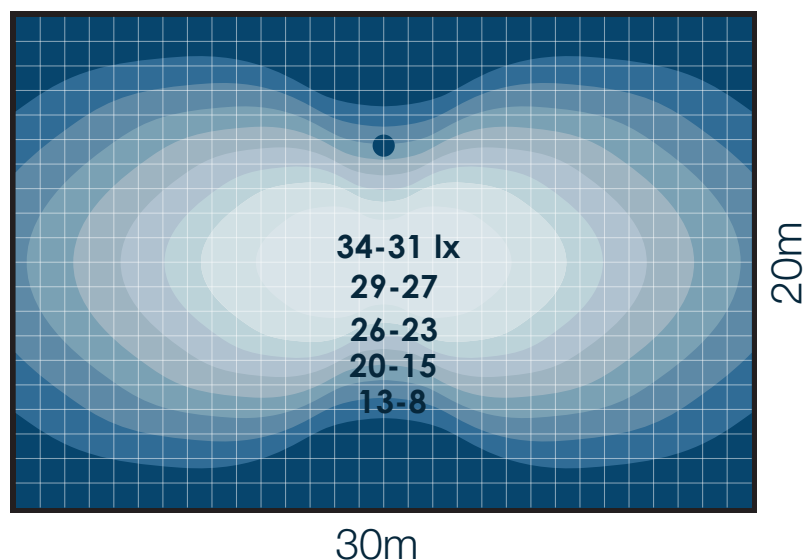
The armature can be fitted with several LED module types, depending on the desired light distribution.

Illuminance at full operation 72 LEDs / 6,313 lm at full operation					
distance (m)	area (sqm)	zone (m ²)	Eav (lx)	Eav (lx)	Emin (lx)
10	70		34		8.8
15	105		29		7.6
20	140		26		6.1
25	175		23		3
30	210		20		1.5
40	280		15		0.4
50	350		12		0.1

Eav [lx]: average illuminance | Emin (lx): minimum illuminance
Illuminance in operation depending on local site conditions (average daylight available) and customer-specific lighting times.

Light distribution:
lengthwise aligned

Light spot height:
6.26m 72 LEDs / 6,313 lm



GENERAL INFORMATION

Model	SES SQUARE
Pole Height	6.5 m
Light Spot Height	6.26 m
Section	180 mm
Beam Angle	25° degree
Weight	180 kg
Number Of Days Of Autonomy	> 3 days (luminous efficacy automatically reduced)

Luminary

LED Type	Bridgelux
LED Quantity	72
LED Wattage	57W
Lumen	6,313 Lumen
Luminous Efficacy	~130 lm/W (depending on dimming factor)
Light Profile	S or ME class according DIN 13201
Color Temperature	4,125K
Operation Temperature	-20°C / + 60°C
Lifetime	> 100,000 hrs
Dimmability	continuously dimmable (0-100%)
ON/OFF control	brightness sensor (programmable)
Light Profile	programmable

POLE

Material	steel hot-dip galvanized with powder coating
Color	silver metallic pole, black brilliant tube bend
Windload	36 m/s

BATTERY

Type	Sealed Lead Acid, deep cycle
Quantity	6 pcs
Voltage	12V
Capacity	12Ah
Total Cap.	864W
Lifetime	1,200 cycles with >60% remaining cap.
Position	integrated in pole



SOLAR MODULE

Type	Mono crystalline silicon
Quantity	64

WARRANTY

Pole	corrosion 10 years
PV Module	10 years
Battery	2 years
Electronic Parts	5 years

Protection and Security

IP 66 Protection
Reverse polarity protection
Low battery voltage cut-off
Double-chip LED
Security pole door / Anti-Vandalism

