



180 LIGHT & CONTROL SPOT SOLUTION



SHUFFLE is a connected, modular approach to city hardware - with its plug-and-play rotatable modules that contain pre-certified hardware, it can be configured to suit your specific needs.

KEY ADVANTAGES

- > **Seamless integration in the SHUFFLE column**
- > **Numerous lighting configurations**
- > **Remote control lighting through NEMA 7-pin socket**
- > **Easy installation with patented mounting system**

The SHUFFLE 180 Light & Controls - Spot module enhances the different SHUFFLE lighting options by directing light towards a specific surrounding area. The array of options and configurations are carefully designed to offer a lighting solution for any particular situation.

LED colour, power, type of optic, control options, electrical class, protector type, etc. are all standard options that provide opportunities to enhance surroundings in a playful way. All options are then connected to Schröder's versatile, open and interoperable Owlet lighting remote control system.

Modules are carefully designed and manufactured from high-grade, die-cast, high-pressure aluminium with clear or frosted protectors used to secure and protect the module from the elements. Extruded aluminium is also used to achieve the cylindrical shape, with fasteners in stainless steel. The housing is finished with a high-grade polyester powder paint in a variety of colours, offering the customer endless possibilities.



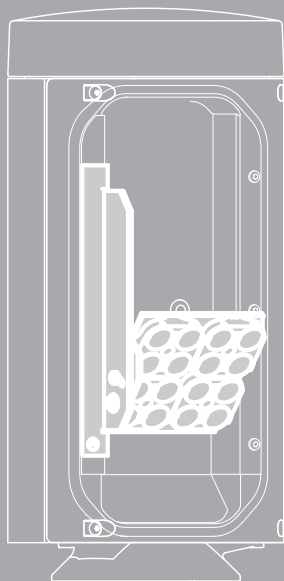
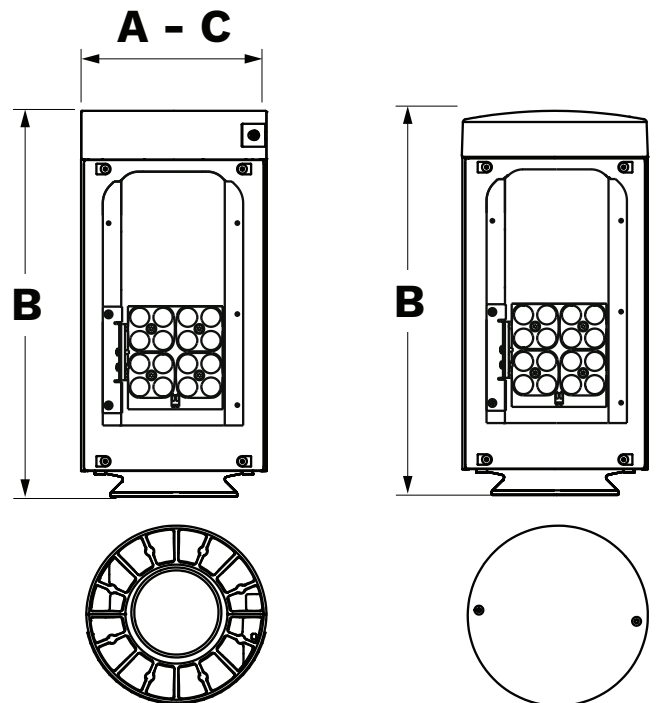
180 LIGHT & CONTROL - SPOT | CHARACTERISTICS

KEY FEATURES

- > **Up/Down architectural lighting (on-site adjustment)**
- > **Lumen package range: 1,300 to 2,400lm**
- > **On-site inclination angle settings: -10/+40°**
- > **Neutral or warm white LEDs**

DIMENSIONS AND MOUNTING

AxBxC (mm inch)	194x403x194 7.6x15.9x7.6
Weight (kg lbs)	16.1 13.4
Aerodynamic resistance (CxS)	0.08
Mounting possibilities	Clamps



180 LIGHT & CONTROL - SPOT | CHARACTERISTICS

GENERAL

Recommended installation height	3m to 6.8m 9.8' to 22.3'
Driver included	Yes
CE mark	Yes
CB mark	Yes
ENEC certified	Yes
ROHS compliant	Yes
Testing standard	LM 79-08 (all measurements in ISO17025 accredited laboratory)

HOUSING AND FINISH

Housing	Aluminum
Optic	PMMA
Protector	Polycarbonate
Housing finish	Polyester powder coating
Standard colour	AKZO grey 900 sanded*
Tightness level	IP 66
Impact resistance	IK 09
*any other RAL or AKZO colour upon request	

OPERATING CONDITIONS

Operating temperature range (Ta)	-40°C up to 45°C / -40°F up to 113°C with wind effect*
*Depending on the module configuration. For more details, please contact us.	

SHUFFLE

SHUFFLE Pole model	1 door 2 doors same side 2 doors opposite 3 doors
SHUFFLE Components	Mains box Lighting box
Position on pole	Any position

ELECTRICAL

Electrical class	Class I EU, Class II EU Class I US
Nominal voltage	220-240V 50/60Hz 120-277V 50/60Hz
Power factor (at full load)	0.95+
Surge protection options (kV)	10
Electromagnetic compatibility (EMC)	EN 55015 / EN 61000-3-2 / EN 61547/ EN 61000-4-2 / EN 61000-4-3 / EN 61000-4-4 / EN 61000-4-5 / EN 61000-4-6 / EN 61000-4-8 / EN 61000-4-11
Control protocol(s)	1-10V, DALI
Control options	Bi-power, Custom dimming profile, Photocell
Socket	NEMA 7-pin
Associated control system(s)	Owlet IoT
Sensor	PIR (optional)

OPTICAL INFORMATION

LED colour temperature	3000K (Warm White 830) 4000K (Neutral White 740)
Colour rendering index (CRI)	>80 (Warm White 830) >70 (Neutral White 740)

LIFETIME OF THE LEDS @ TQ 25°C

All configurations	100,000h - L95
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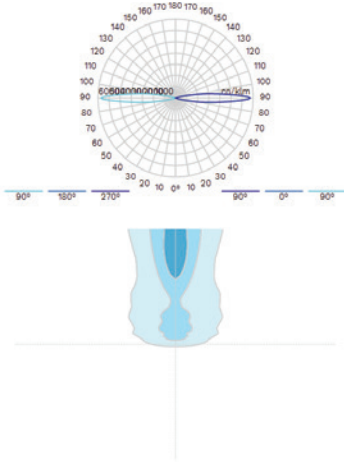
180 LIGHT & CONTROL - SPOT | PERFORMANCE

Luminaire	Number of LEDs	Current (mA)	Luminaire output flux (lm) Warm White 830		Luminaire output flux (lm) Neutral White 740		Power consumption (W)	Luminaire efficacy (lm/W)	
			Min	Max	Min	Max		Up to	Photometry
SHUFFLE 180 Spot	16	350	1300	1600	1400	1800	20	90	SPOT
	16	500	1700	2100	1900	2400	27	89	SPOT

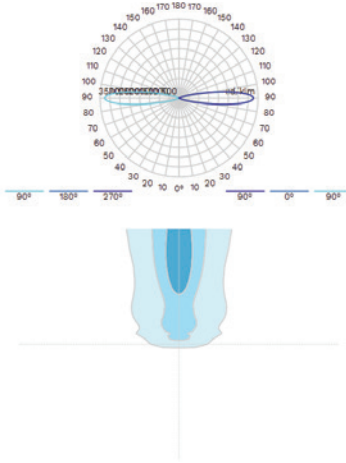
Tolerance on LED flux is ± 7% and on total luminaire power ± 5 %

180 LIGHT & CONTROL - SPOT | LIGHT DISTRIBUTIONS

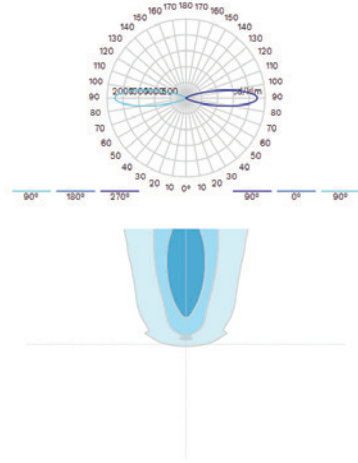
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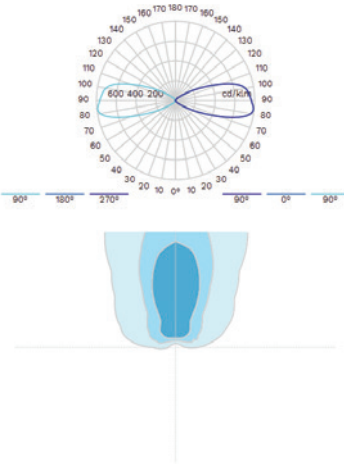
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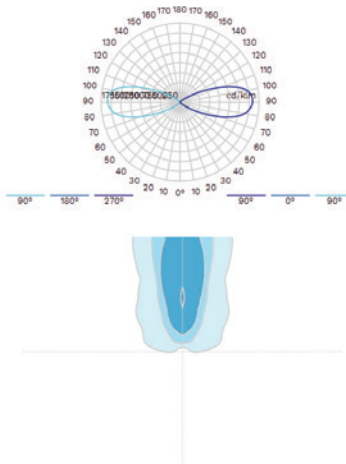
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6320 SY



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