Schréder
Experts in lightability™

SHUFFLE

SHUFFLE 360 LGT GEN2 DS

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

- **Double-stage lighting for superior luminous output**
- **Seamless integration in the SHUFFLE column**
- **Numerous lighting configurations**
- **Connected-ready with 7-pin NEMA or Zhaga socket for IoT platforms**
- **Easy installation with patented mounting system**

SHUFFLE 360 LGT GEN2 DS brings a new dimension to the SHUFFLE modular ecosystem.

Its double-stage architecture houses two independent LensoFlex®4 optical modules, one at the top and one at mid-height, delivering luminous outputs that extend the range of addressable applications from public thoroughfares to private developments, campuses, retail destinations and mixed-use environments.

Both stages share the same optical technology, offering a consistent choice of LED colour temperatures, lumen packages, light distributions and control interfaces across the full height of the module.

Equipped with an optional 7-pin NEMA or Zhaga socket, the SHUFFLE 360 LGT GEN2 DS is connected-ready and fully compatible with the Schréder EXEDRA lighting management system and other IoT platforms.

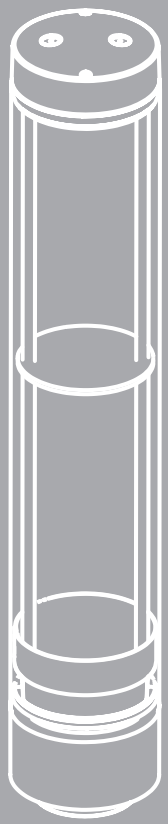
Crafted from high-pressure die-cast aluminium with a clear polycarbonate protector, it combines robustness with visual comfort and always mounts as the top module in the SHUFFLE column.

DarkSky Approved
*Selected configurations only

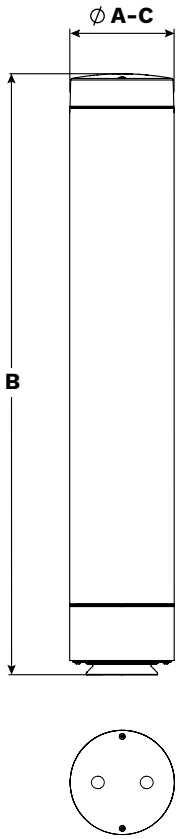
SHUFFLE 360 LGT GEN2 DS | CHARACTERISTICS

KEY FEATURES

- **Lumen package ranging from 1,300 to 14,000lm**
- **Optional back-light control (BL)**
- **Neutral or warm white LEDs**
- **Optional internal diffuser for enhanced visual comfort**
- **NEMA 7-pin socket for IoT controller**
- **Zhaga-D4i certified**
- **DarkSky Approved versions**



DIMENSIONS AND MOUNTING	
AxBxC (mm | inches)	194x1117x194 | 7.6x44x7.6
Weight (kg | lbs)	12 | 26.5
Aerodynamic resistance (CxS)	0.22
Mounting options	Clamps



DarkSky Approved
*Selected configurations only

SHUFFLE 360 LGT GEN2 DS is available in DarkSky Approved versions. Contact us to find the right solution for your project.

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SHUFFLE 360 LGT GEN2 DS | CHARACTERISTICS

GENERAL

Recommended installation height	3m to 6m | 9.8' to 22,3'
Driver included	Yes
CE mark	Yes
CB Mark	Yes
UKCA Certified	Yes
ENEC Certified	Yes
ENEC+ Certified	Yes
UL Mark	Yes
DarkSky Approved	Yes *
ROHS compliant	Yes
Zhaga-D4i Certified	Yes
Testing standard	LM 79-08 (all measurements in ISO17025 accredited laboratory

** DarkSky Approved for specific product configurations only.*

HOUSING AND FINISH

Housing	Aluminium
Optic	PMMA
Protector	Polycarbonate PMMA
Internal diffuser	Polycarbonate
Housing finish	Polyester powder coating
Standard colour	AKZO grey 900 sanded*
Tightness level	IP 66
Impact resistance	IK 10 (polycarbonate) IK 06 (PMMA)

**any other RAL or AKZO colour upon request*

OPERATING CONDITIONS

Operating temperature range (Ta)	-40°C up to 50°C / -40°F up to 122°F with wind effect*

**Depending on the module configuration. For more details, please contact us.*

SHUFFLE

SHUFFLE Pole Versions	1 Door | 2 Doors same side | 2 Doors opposite | 3 Doors
SHUFFLE Components	Mains box | Lighting Box
Location on pole	Always top position

ELECTRICAL

Electrical class	Class I EU, Class II EU, Class 1US
Nominal voltage	220-240V 50/60Hz 120-277V 50/60Hz
Power factor (at full load)	0.90+
Surge protection options (kV)	10
Electromagnetic compatibilty (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	No Dimming / Bi-Power/ Custom Dimming Profile
Socket	NEMA 7-pin Zhaga
Associated control system(s)	Schréder EXEDRA
Sensor	PIR (optional)

OPTICAL INFORMATION

LED colour temperature	2200K (Warm White 722) 2700K (Warm White 727) 3000K (Warm White 730) 3000K (Warm White 830) 4000K (Neutral White 740)
Color rendering index (CRI)	>70 (Warm White 722) >70 (Warm White 727) >70 (Warm White 730) >80 (Warm White 830) >70 (Neutral White 740)
Upward Light Output Ratio (ULOR)	0%

**ULOR may be different according to the configuration. Please consult us.*
**Dark sky Approved when fitted with LEDs of 3000K or less.*

LIFETIME OF THE LEDS @ TQ 25°C

All configurations	100,000h - L95

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SHUFFLE 360 LGT GEN2 DS | PERFORMANCE

		Luminaire output flux (lm) Warm White WW 722		Luminaire output flux (lm) Warm White WW 727		Luminaire output flux (lm) Warm White WW 730		Luminaire output flux (lm) Warm White WW 830		Luminaire output flux (lm) Neutral White NW 740		Power consumption (W)		Luminaire efficacy (lm/W)	
Modules	Number of LEDs	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Up to	Photometry
SHUFFLE 360 LGT GEN2 DS	20	1300	5900	1400	6500	1500	7000	1400	6500	1600	7600	22	60	153	LENSO FLEX°4
	40	2600	11100	2900	12200	3100	13000	2900	12200	3300	14100	43	100	160	LENSO FLEX°4

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

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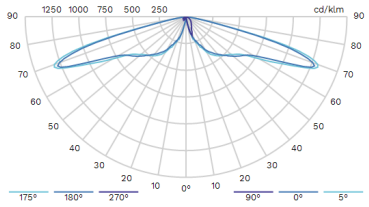
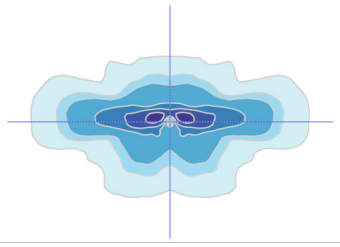
SHUFFLE 360 LGT GEN2 DS | LIGHT DISTRIBUTIONS

LENSO FLEX™4

5300

Ultra-Narrow

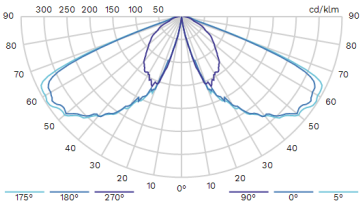


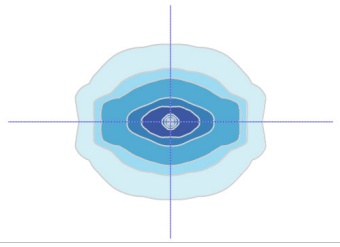


LENSO FLEX™4

5301

Narrow

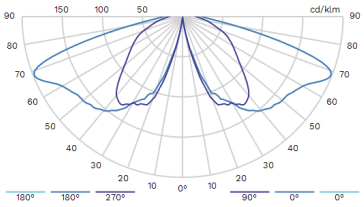


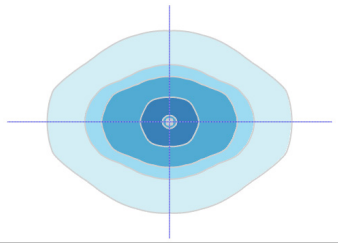


LENSO FLEX™4

5303

Medium





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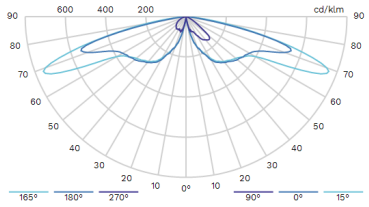

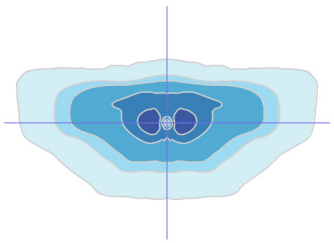

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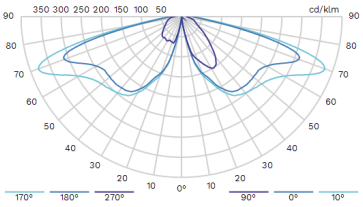

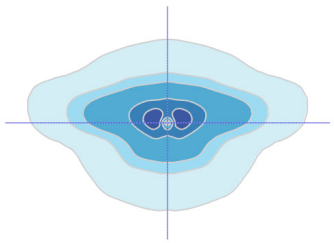

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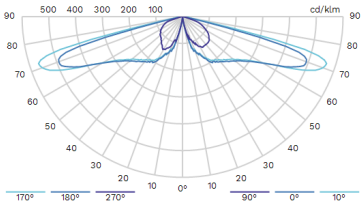

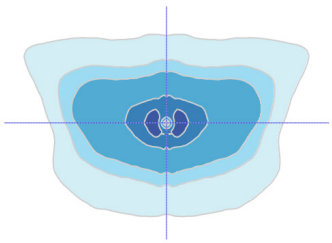

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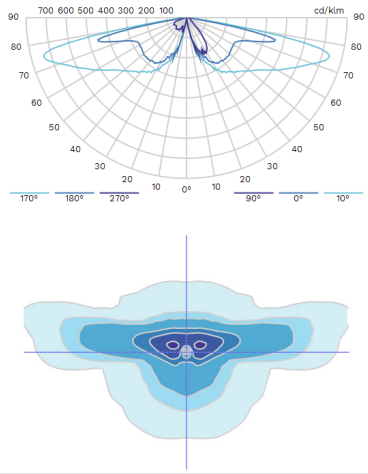
SHUFFLE 360 LGT GEN2 DS | LIGHT DISTRIBUTIONS

LENSO FLEX™4

5399

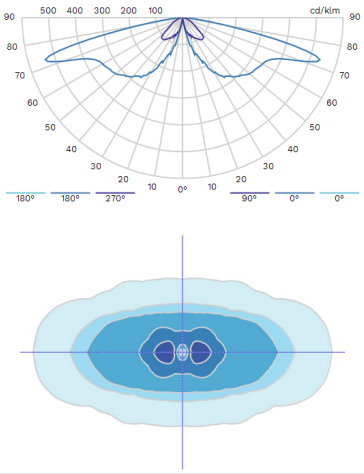
Medium



LENSO FLEX™4

50006

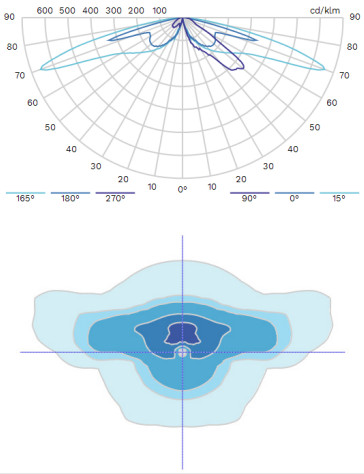
Medium Symmetrical



LENSO FLEX™4

5307

Wide



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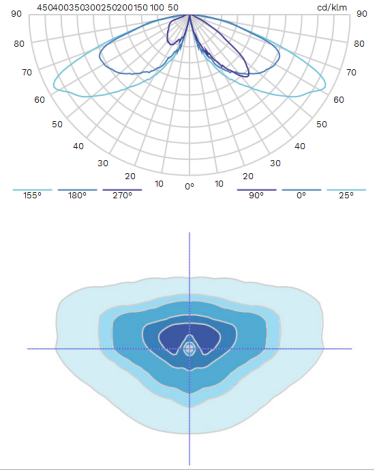
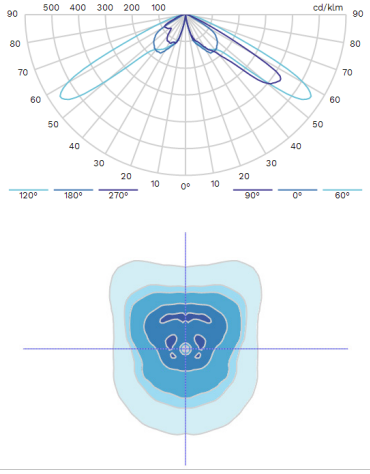


LENSO FLEX™4

5366

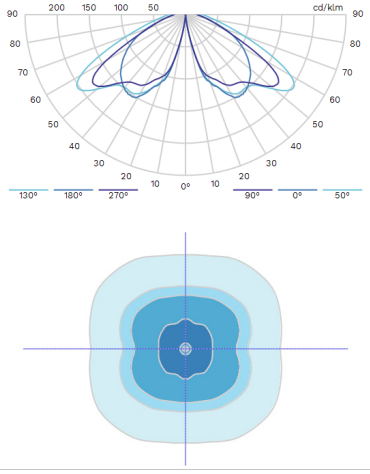
Extra-Wide



LENSO FLEX™4

50004

Extra-Wide Symmetrical



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SHUFFLE 360 LGT GEN2 DS | LIGHT DISTRIBUTIONS

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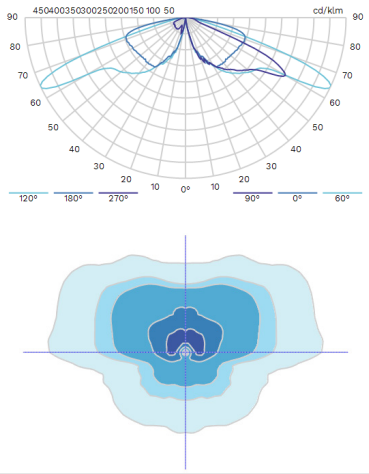
5393

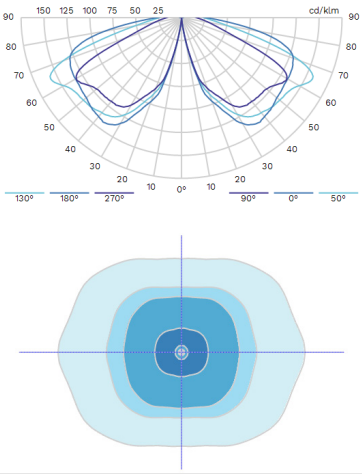
Ultra-Wide



LENSO FLEX™4

50008

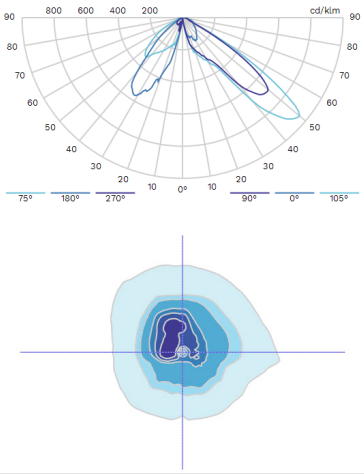
Ultra-Wide Symmetrical



LENSO FLEX™4

5370

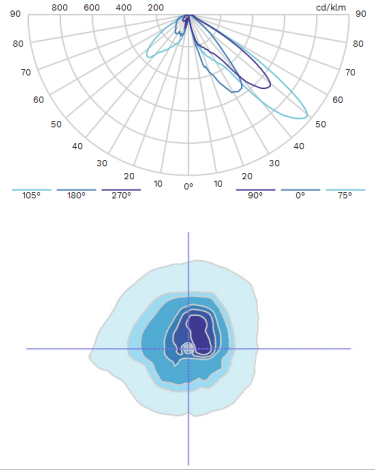
Zebra Left



LENSO FLEX™4

5369

Zebra Right



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