



SHUFFLE 360 LGT GEN2 GEN2



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**
- > **Connected-ready with 7-pin NEMA or Zhaga socket for IoT platforms**
- > **Easy installation with patented mounting system**
- > **Optional emergency strobe light**

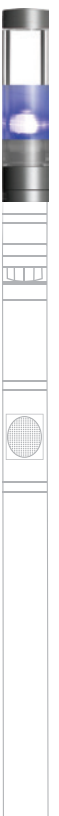
The SHUFFLE 360 LGT GEN2 modules embody lighting and beyond lighting versatility. They are designed to offer a variety of lighting options that improve the safety of citizens while protecting the surrounding flora and fauna at the same time.

As a lighting fixture, these modules offer a range of options such as various LED colour temperatures, lumen outputs, optics, controls, electrical classes and protector types.

Equipped with an optional NEMA or Zhaga socket, these modules are connected-ready. They are fully compatible with the Schröder EXEDRA lighting management system and open the door to integration with other IoT platforms.

The lower section of the modules can be adapted to host an emergency strobe light. The strobe can be triggered locally or remotely to alert emergency services.

These modules were carefully designed and built from high-pressure die-cast aluminium combined with a clear, semi or totally sanded protectors to meet all lighting requirements.



SHUFFLE 360 LGT GEN2 | CHARACTERISTICS

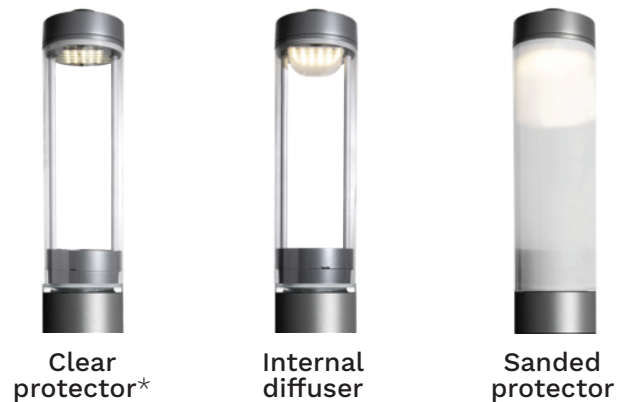
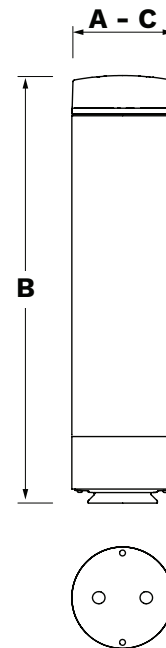
KEY FEATURES

- > Lumen package range: 1,500 to 8,800lm
- > Optional back-light control (BL)
- > French law compliant with G-Limiter option (GL)
- > Dark Sky compliant
- > Neutral or warm white LEDs
- > Optional internal diffuser or external semi or totally sanded protector for enhanced visual comfort
- > Strobe providing vital visual aid for emergencies
- > Strobe can be triggered remotely or locally
- > NEMA 7-pin socket for IoT controller
- > Zhaga-D4i certified



DIMENSIONS AND MOUNTING

AxBxC (mm inch)	194x815x194 7.6x32x7.6
Weight (kg lbs)	7 15.4
Aerodynamic resistance (CxS)	0.16
Mounting Possibilities	Clamps



*SHUFFLE is Dark Sky compliant when using the clear protector.

SHUFFLE 360 LGT GEN2 | CHARACTERISTICS

GENERAL

Recommended installation height	3m to 6,8m 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
ROHS compliant	Yes
Zhaga-D4i Certified	Yes
French law of December 27th 2018 - Compliant with application type(s)	a, b, c, d, e, f, g
Dark Sky friendly lighting (IDA certification)	Yes
Testing standard	LM 79-08 (all measurements in ISO17025 accredited laboratory)

HOUSING AND FINISH

Housing	Aluminium
Optic	PMMA
Protector	Polycarbonate PMMA
Internal Diffuser	Polycarbonate
Housing finish	Polyester powder coating
Standard color	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
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*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 <i>with Strobe</i> - 2 Doors same side 3 doors
SHUFFLE Components	Mains box Lighting Box <i>with Strobe</i> -Beyond light power supply box <i>with Strobe linked to VOIP</i> -Support plate Network <i>with Strobe linked to VOIP</i> -Network cable
Position 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)	0.95+
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	No Dimming / Bi-Power/ Custom Dimming Profile
Socket	NEMA 7-pin Zhaga
Associated control system(s)	Schröder EXEDRA
Sensor	PIR (optional)

OPTICAL INFORMATION

LED colour temperature	2700K (Warm White 727) 3000K (warm White 730) 3000K (Warm White 830) 4000K (Neutral White 740)
Color rendering index (CRI)	>70 (Warm White 727) >70 (Warm White 730) >80 (Warm White 830) >70 (Neutral White 740)
Upward Light Output Ratio (ULOR)	<3%

*· ULOR may be different according to the configuration. Please consult us.
· Meets Dark Sky requirements when fitted with LEDs of 3000K or less.*

LIFETIME OF THE LEDS @ TQ 25°C

All configurations	100,000h - L95
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STROBE

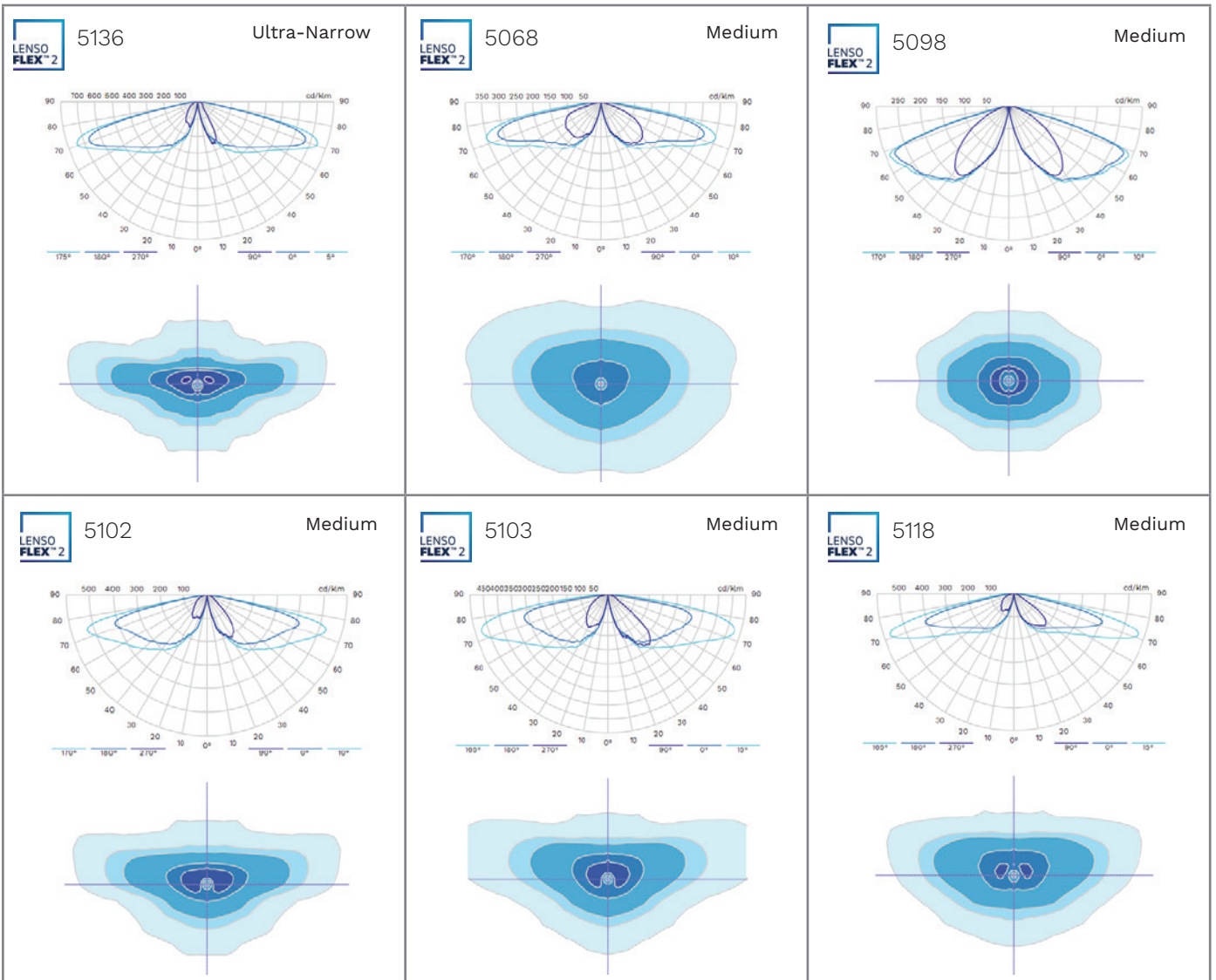
Colour	Blue
Activation	Linked to SHUFFLE intercom Linked to VOIP
Voltage	24V DC

SHUFFLE 360 LGT GEN2 | PERFORMANCE

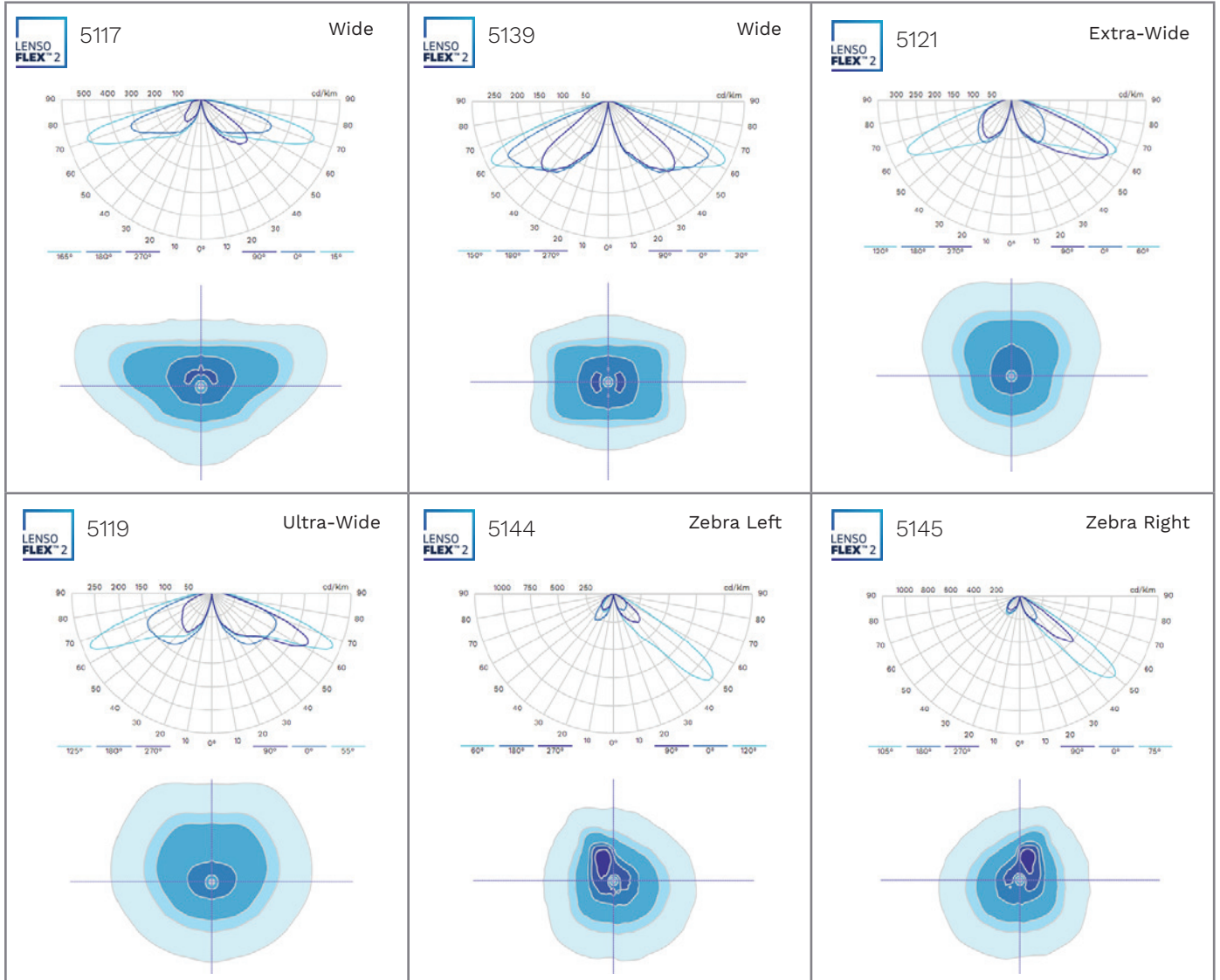
Modules	Number of LEDs	Luminaire output flux (lm) Warm White 727		Luminaire output flux (lm) Warm White 730		Luminaire output flux (lm) Warm White 830		Luminaire output flux (lm) Neutral White 740		Power consumption (W)		Luminaire efficacy (lm/W)	Photometry
		Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Up to	
SHUFFLE 360 LGT GEN2	16	1500	4100	1600	4500	1500	4200	1800	4800	18	37	148	
	20	2000	5200	2100	5600	2000	5200	2300	6100	22	45	154	
	24	2300	7400	2400	8200	2300	7600	2600	8800	27	70	151	

Tolerance on LED flux is $\pm 7\%$ and on total luminaire power $\pm 5\%$

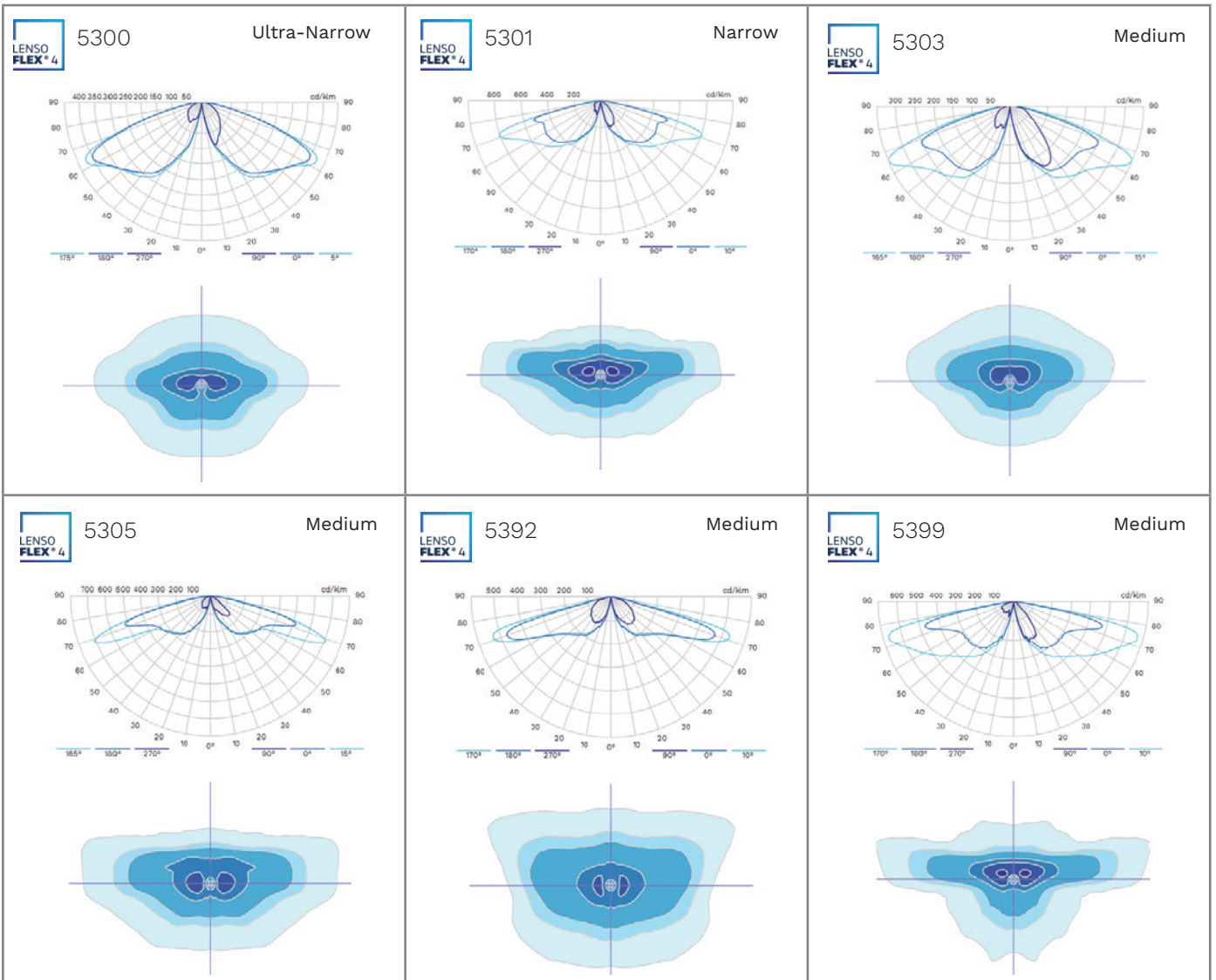
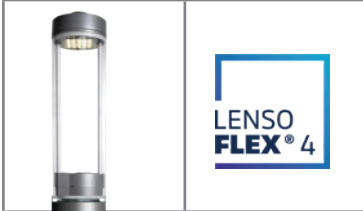
SHUFFLE 360 LGT GEN2 | LIGHT DISTRIBUTIONS



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