Schréder
Experts in lightability™

SHUFFLE

SHUFFLE 180 LGT

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 or Zhaga socket**
- **Easy installation with patented mounting system**
- **RGBW LED in Spot version**

The SHUFFLE 180 LGT modules 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 Schréder's versatile, open and interoperable 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 reflectors are in highly reflective anodised aluminium. The housing is finished with a high-grade polyester powder paint in a variety of colours, offering the customer endless possibilities.

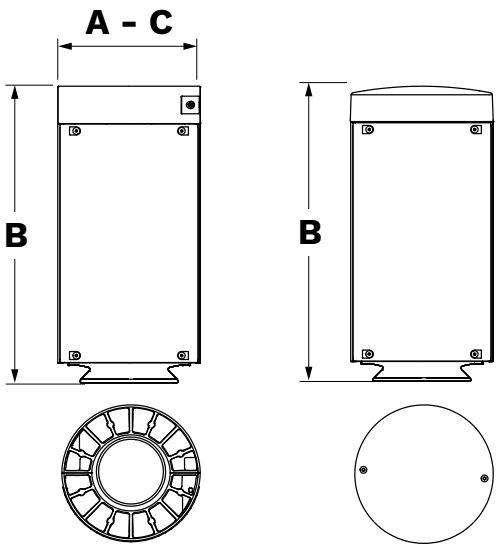
SHUFFLE 180 LGT | CHARACTERISTICS

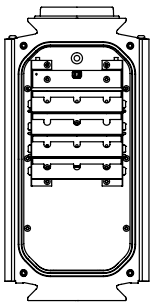
KEY FEATURES

- **Highly reflective anodised aluminium reflector**
- **Lumen package range: 3000lm to 6700lm (SH18L - Reflector)**
- **Lumen package range: 2.600lm to 6100lm (SH18L - LensoFlex®)**
- **Lumen package range: up to 4500lm (SH18L - BlastFlex4™ - Spot RGBW)**
- **up to 7100lm (SH18L - BlastFlex4™)**
- **Neutral white, warm white or RGBW (for Spot version)**
- **Spot - single or double stage LED configuration**
- **Up/Down architectural lighting (on-site adjustment)**
- **Spot on-site inclination angle settings: -20/+30°**

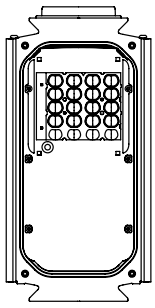
DIMENSIONS AND MOUNTING

AxBxC (mm | inch)	194x403x194 | 7.6x15.9x7.6
Weight (kg | lbs)	6.1 | 13.4
Aerodynamic resistance (CxS)	0.08
Mounting possiblilities	Clamps

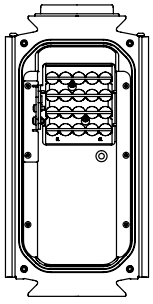




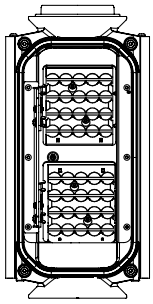
Reflector



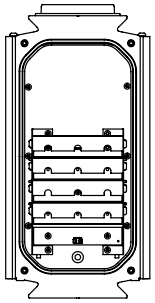
LensoFlex®

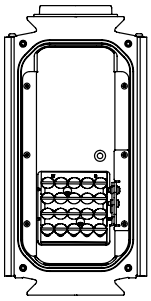


Spot BlastFlex™4 (White or RGBW)



Spot BlastFlex™4 Double stage (White or RGBW)





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SHUFFLE 180 LGT - REFLECTOR | 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
UL Certified	Yes
RoHS Compliant	Yes
Testing standard	LM 79-08 (all measurements in ISO17025 accredited laboratory)

HOUSING AND FINISH	
Housing	Aluminum
Protector	Polycarbonate
Reflector	Aluminum
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 55°C / -40°F up to 131°F 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 1 US
Nominal voltage	220-240V 50/60Hz 120-277V 50/60Hz
Power factor (at full load)	0.95+
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	Bi-power, Custom dimming profile, Photocell
Socket	NEMA 7-pin Zhaga
Associated control system(s)	Schréder EXEDRA
Sensor	PIR (optional)

OPTICAL INFORMATION	
LED colour temperature	3000K (Warm White 730) 4000K (Neutral White 740)
Colour rendering index (CRI)	>70 (Warm White 730) >70 (Neutral White 740)
Upward Light Output Ratio (ULOR)	<3%*

**ULOR may be different according to the configuration. Please consult us.*

LIFETIME OF THE LEDS @ TQ 25°C	
All configurations	100,000h - L95

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SHUFFLE 180 LGT - SPOT | 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
UL Certified	Yes*
RoHS Compliant	Yes
Testing standard	LM 79-08 (all measurements in ISO17025 accredited laboratory)

**UL certification is not applicable to RGBW LED configurations.*

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°F 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 1 US
Nominal voltage	220-240V 50/60Hz 120-277V 50/60Hz
Power factor (at full load)	0.95+
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	Bi-power, Custom dimming profile, Photocell
Socket	NEMA 7-pin Zhaga
Associated control system(s)	Schréder EXEDRA
Sensor	PIR (optional)

OPTICAL INFORMATION	
LED colour temperature	2700K (Warm White 827) 3000K (Warm White 830) 4000K (Neutral White 840) RGBW
Colour rendering index (CRI)	>80 (Warm White 827) >80 (Warm White 830) >80 (Neutral White 840) RGBW

LIFETIME OF THE LEDS @ TQ 25°C	
All configurations	100,000h - L79

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SHUFFLE 180 LGT - LENSOFLEX® | 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
UL 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
Reflector	Aluminum
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 55°C / -40°F up to 131°F 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 1 US
Nominal voltage	220-240V 50/60Hz 120-277V 50/60Hz
Power factor (at full load)	0.95+
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	Bi-power, Custom dimming profile, Photocell
Socket	NEMA 7-pin Zhaga
Associated control system(s)	Schréder 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)
Colour 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.*

LIFETIME OF THE LEDS @ TQ 25°C	
All configurations	100,000h - L95

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SHUFFLE 180 LGT | PERFORMANCE

		Luminaire output flux (lm) Neutral White 740		Luminaire output flux (lm) Warm White 730		Power consumption (W)		Luminaire efficacy (lm/W)
	Number of LEDs	Min	Max	Min	Max	Min	Max	Up to
SHUFFLE 180 LGT Reflector	24	3200	6700	3000	6200	26	52	149

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

	Luminaire output flux (lm) RGBW		Luminaire output flux (lm) Warm White WW 827		Luminaire output flux (lm) Warm White WW 830		Luminaire output flux (lm) Neutral White NW 840		Power Consumption (W)		Luminaire Efficacy (lm/W)	Photometry
Number of LEDs	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Up to	
20	1300	2300	1900	4100	2100	5200	2100	4400	5	44	161	BLAST FLEX™ 4
40	2600	4500	3900	6600	4200	7100	4200	7100	11	68	125	BLAST FLEX™ 4

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

	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)	Photometry
Number of LEDs	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Up to	
20	2600	5200	2700	5600	2100	5200	3000	6100	5	44	161	LENSO FLEX® 4

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

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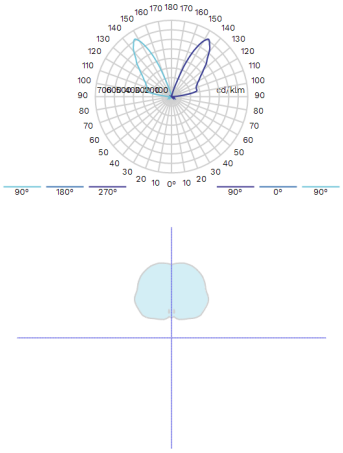
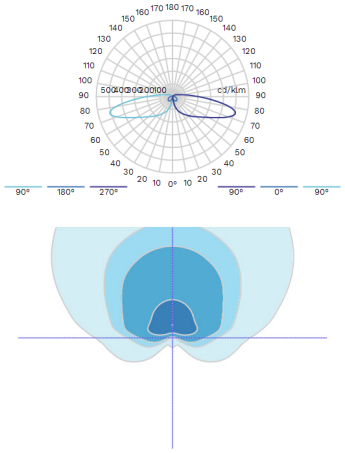
SHUFFLE 180 LGT - REFLECTOR | LIGHT DISTRIBUTIONS

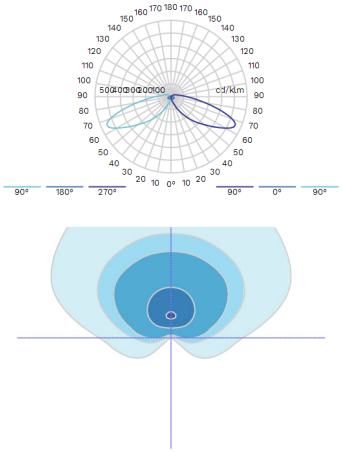
2239 Up Lighting



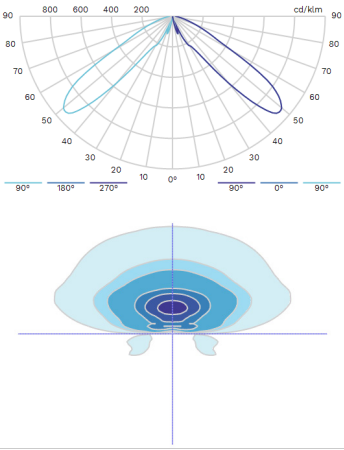
2268 Down Lighting



2288 Down Lighting



2290 Down Lighting



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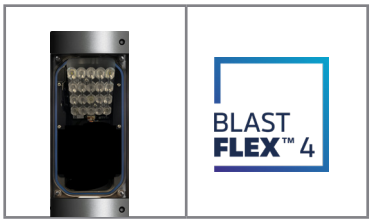
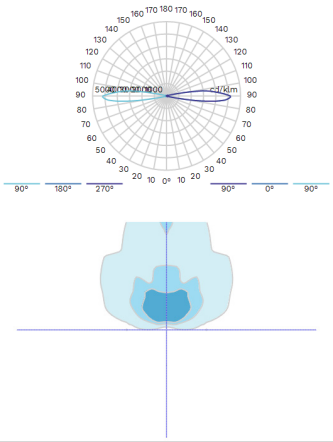
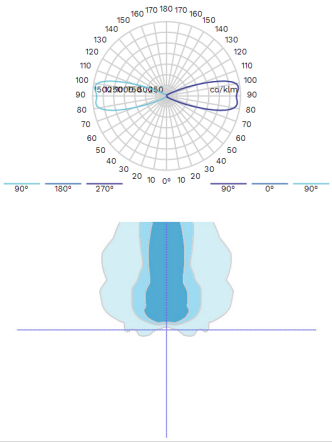
SHUFFLE 180 LGT - SPOT | LIGHT DISTRIBUTIONS



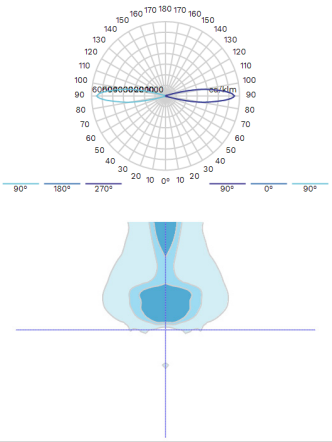
BLAST FLEX™ 4 5358 RGBW - All Colours ON (100%)



BLAST FLEX™ 4 5359 RGBW - All Colours ON (100%)



BLAST FLEX™ 4 5360 RGBW - All Colours ON (100%)



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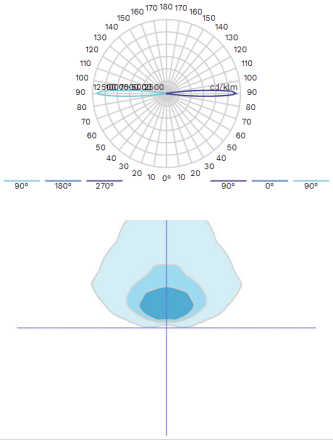
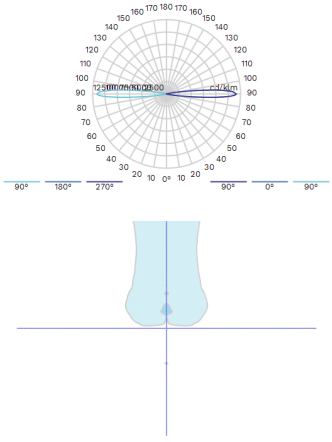
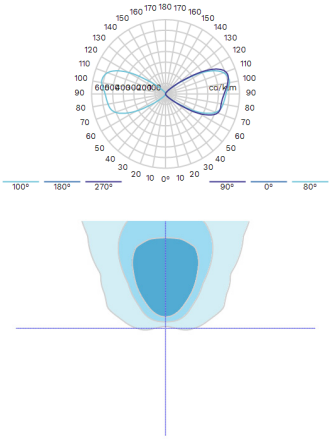


BLAST FLEX™ 4 5405



BLAST FLEX™ 4 5407



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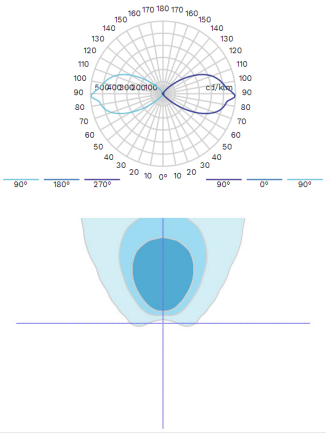
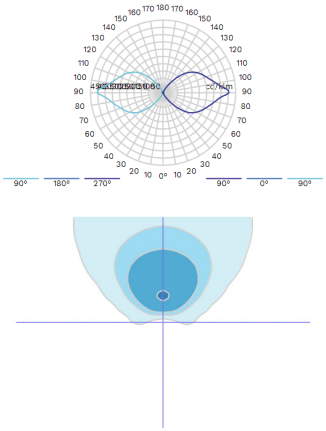
SHUFFLE 180 LGT - SPOT | LIGHT DISTRIBUTIONS

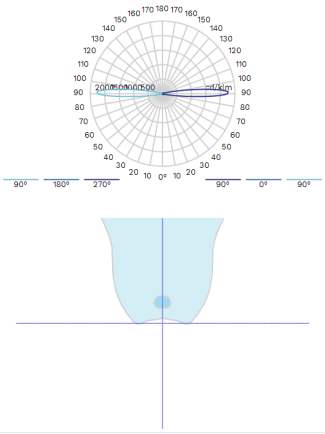
BLAST FLEX™ 4 7180 RGBW - All Colours ON (100%) Extra Wide Beam



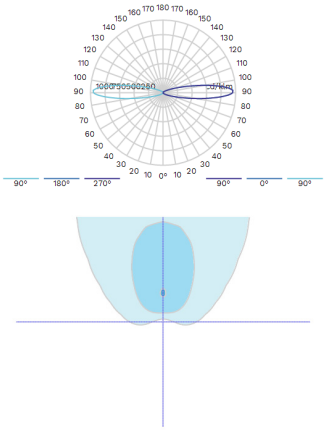
BLAST FLEX™ 4 7181 Ultra-Wide Beam



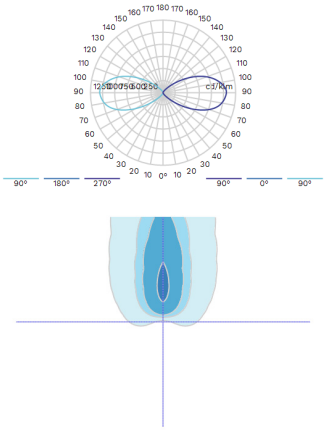
BLAST FLEX™ 4 7182 Elliptical beam Extra Wide Beam



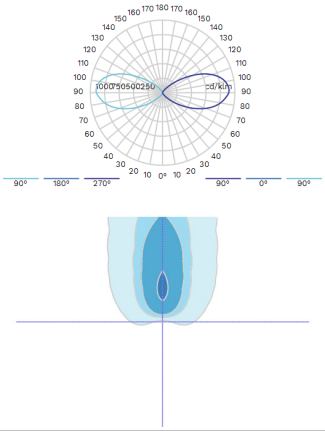
BLAST FLEX™ 4 7183 Extra Wide Beam Elliptical beam



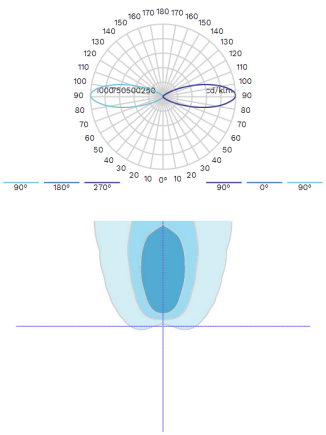
BLAST FLEX™ 4 7184 Extra Wide Beam Elliptical beam RGBW - All Colours ON (100%)



BLAST FLEX™ 4 7185 Elliptical beam Extra Wide Beam



BLAST FLEX™ 4 7179 Medium beam



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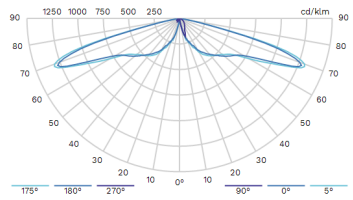
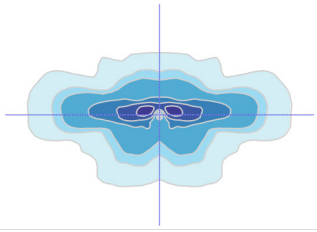
SHUFFLE 180 LGT - LENSOFLEX® | LIGHT DISTRIBUTIONS

LENSO FLEX™4

5300

Ultra-Narrow

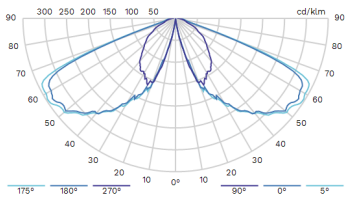


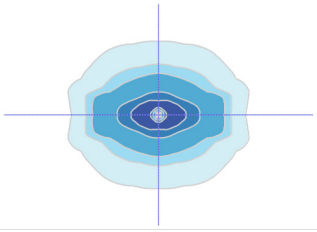


LENSO FLEX™4

5301

Narrow

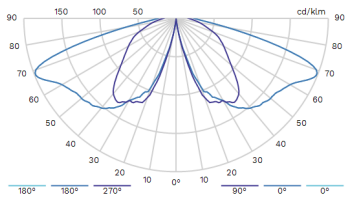


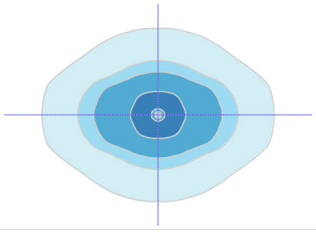


LENSO FLEX™4

5303

Medium

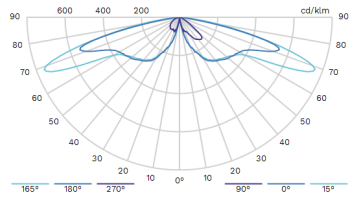


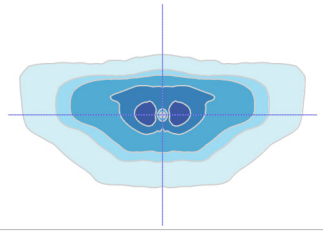


LENSO FLEX™4

5305

Medium





LENSO FLEX™4

5306

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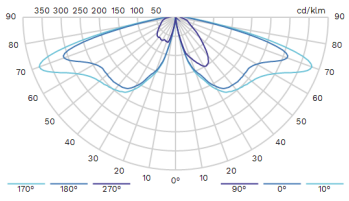

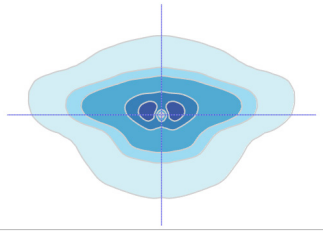

LENSO FLEX™4

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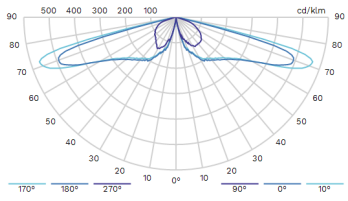

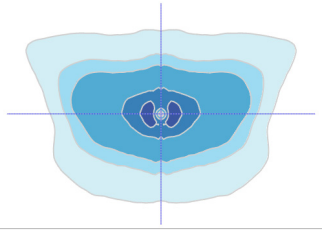

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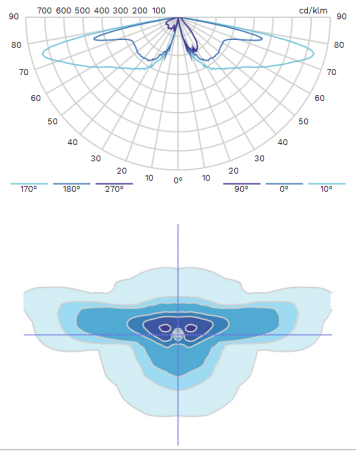
5399

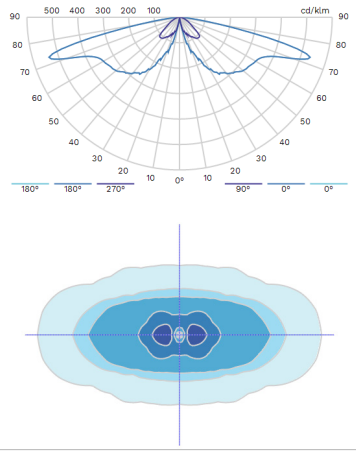
Medium



LENSO FLEX™4

50006

Medium Symmetrical



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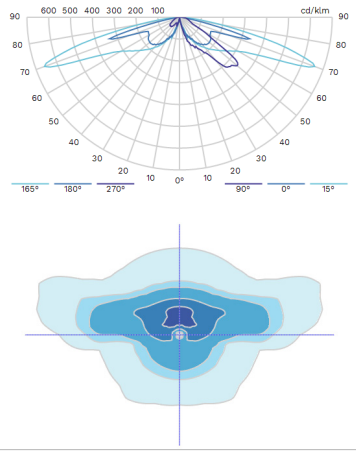
5307

Wide



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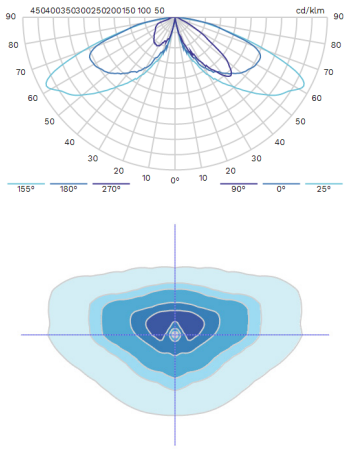
5308

Wide



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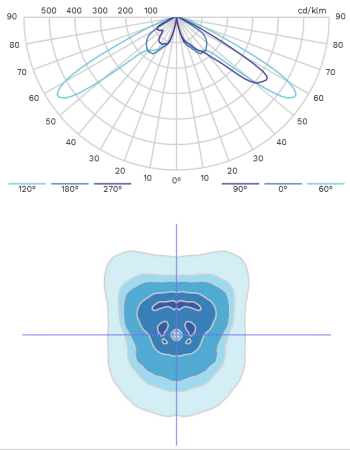
5366

Extra-Wide



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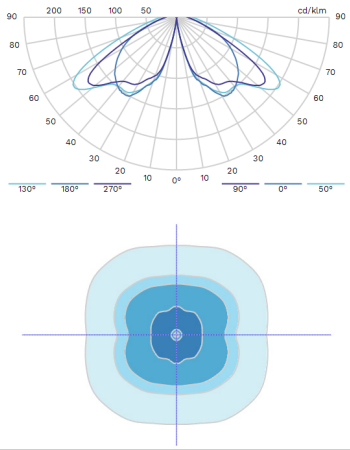
50004

Extra-Wide Symmetrical



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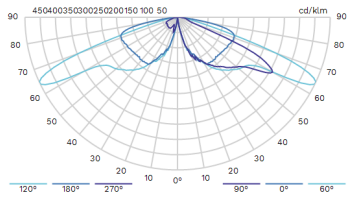
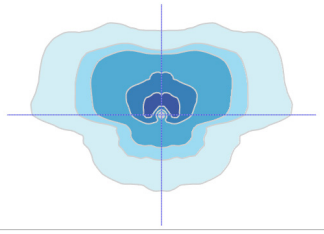
5393

Ultra-Wide





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50008

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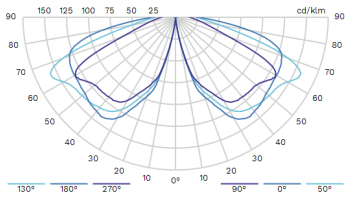

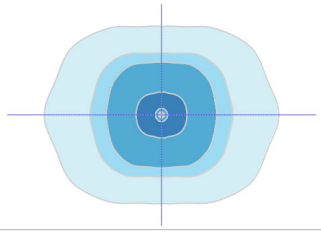

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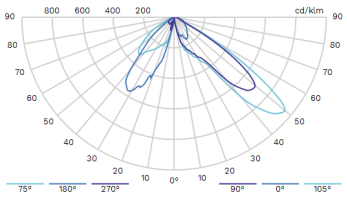
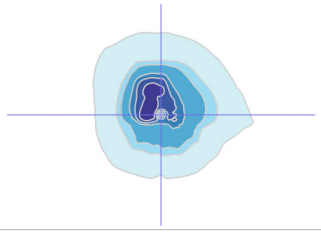
5370

Zebra Left





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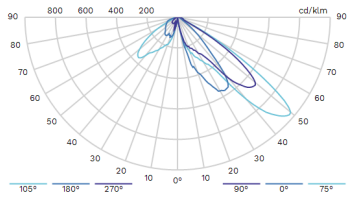
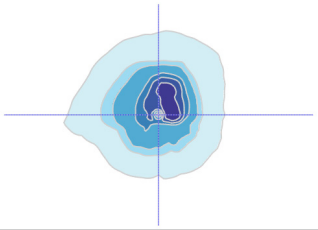
5369

Zebra Right





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