

Elegant, self-sufficient,
and sustainable solar
lighting for diverse
applications



KEY ADVANTAGES

- > **Sleek and elegant design**
- > **High-performance vertical solar panels for optimum energy capture**
- > **Designed to prevent snow accumulation, ensuring year-round reliability**
- > **Engineered for easy on-site installation**
- > **Durable in-ground sealed battery for enhanced performance and longevity**
- > **Configurable with one or two luminaires and various light distributions**
- > **Optional sensors for light-on-demand scenarios**

The ALTEZZA solar-powered luminaire delivers reliable and sustainable illumination for a variety of applications, including bike paths, secondary roads, residential areas, and more. It presents an optimal solution for environments requiring a dependable light source, even in remote or demanding conditions.

The innovative design of ALTEZZA enhances energy capture through its four vertically arranged, highly efficient photovoltaic panels. This configuration optimises the collection of diffuse light in regions experiencing snow, fog, or overcast conditions while also preventing snow accumulation, thereby ensuring consistent year-round performance.

ALTEZZA is available in multiple configurations to suit the needs of diverse projects. Options include one or two luminaires, various light distributions, and different mounting choices, allowing for a tailored approach to specific requirements.

An advanced energy management system optimizes power use for consistent performance, even in poor weather. ALTEZZA uses smart design and technology to deliver reliable lighting where it's needed most.



HIGHLIGHTS



Sleek square design, high-quality finish, and a clean, cable-free look.



A wide range of light distributions and colour temperatures to suit any project.



Waterproof components (LED module, power supply, and cables) ensure a lightweight, easy-to-install luminaire.



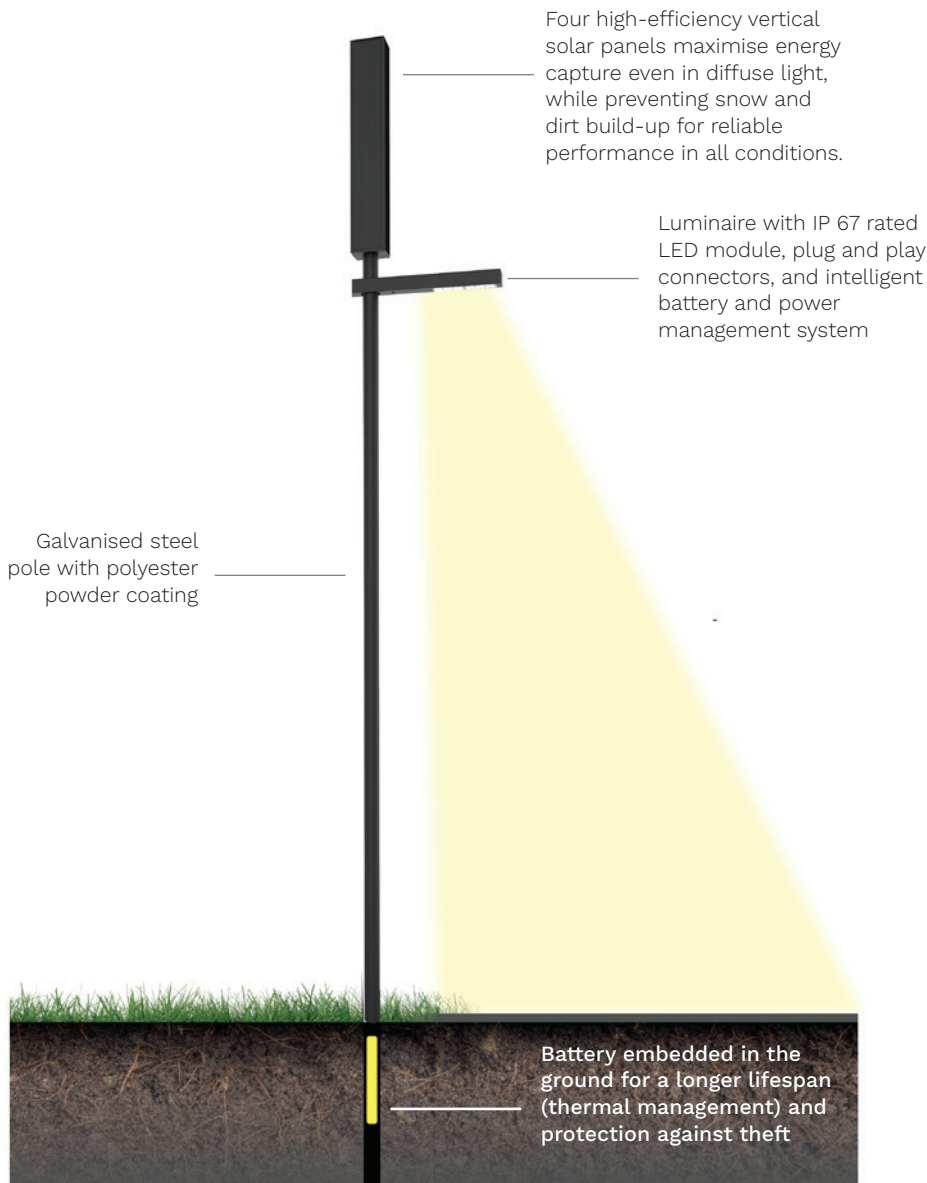
The range includes ALTEZZA 150 with one luminaire and ALTEZZA 150 DUO with two.



Toolless coded connectors for all connections.



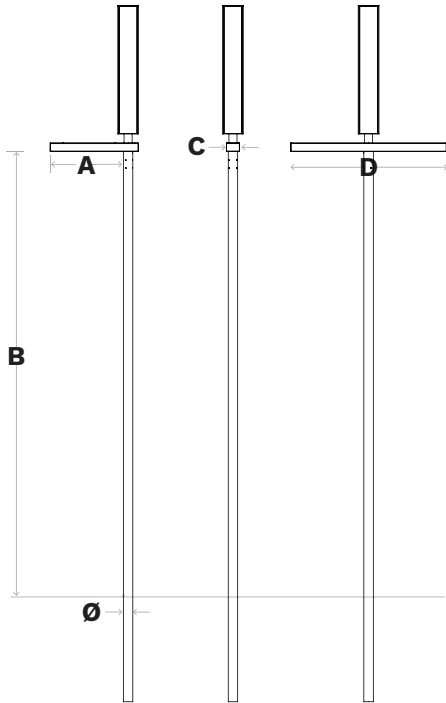
The IPX8 LiFePo4 battery ensures excellent water resistance and dependable performance.



RANGE

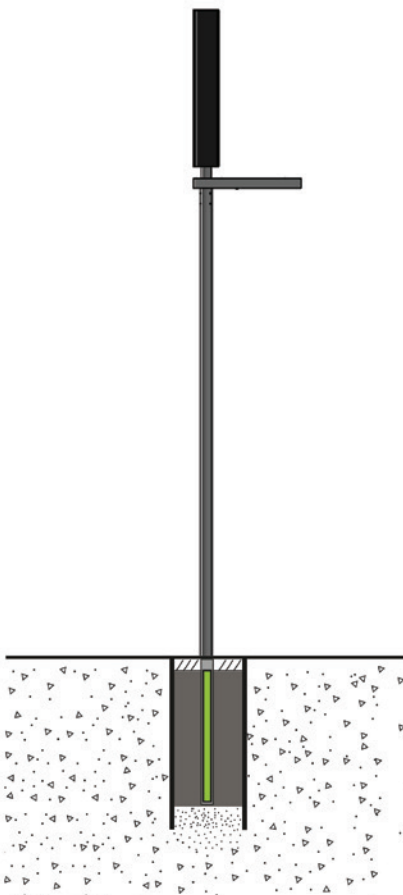
	PRODUCT	POLE HEIGHT	ENERGY HARVESTING	ENERGY STORAGE	LUMINAIRE
	ALTEZZA 150	4200mm 14ft	160Wp 4x40Wp-photovoltaic panels	LiFePo4 battery 512Wh	1x 24-LED module
	ALTEZZA 150 DUO	4200mm 14ft	160Wp 4x40Wp-photovoltaic panels	LiFePo4 battery 512Wh	2x 24-LED module

DIMENSIONS AND MOUNTING

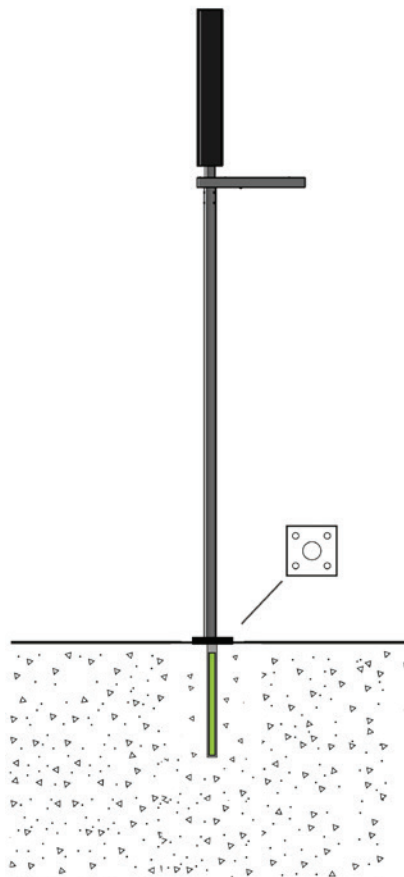


	A (mm inch)	B (mm ft)	C (mm inch)	D (mm inch)	Ø (mm inch)
ALTEZZA 150	692 27	4200 14	125 4.9	1472 58	89 3.5
ALTEZZA 150 DUO					

PIPE FOUNDATION



ANCHOR BASE



CHARACTERISTICS

GENERAL

CE Mark	Yes
Electrical class	Class III EU

MATERIALS

Pole	Galvanised steel
Metal parts	Aluminium
Finish	Polyester powder coating
Standard colour	RAL 7016M anthracite grey
Impact resistance	IK 06

SOLAR PANELS

Technology	Monocrystalline silicon cells
Solar cells quantity	32 cells
Frame	Anodised aluminium alloy
Glass	3.2mm (0.13 in) tempered glass
Power	40Wp (x4)
Electrical characteristics	VOC: 21.9V
	VMPP: 18.5V
	ISC: 2.16A
	IMPP: 2.16A
Lifetime expectancy	25 years

BATTERY

Technology	LiFePo4
Voltage	12.8V
Capacity	512Wh (40Ah)
Operating temperature	-10°C to 60°C 14°F to 140°F
Autonomy	3 to 5 days
Tightness level	IPX8
Lifetime expectancy	>10 years

LED MODULE

Optic/protector	PMMA/PC integrated
Tightness level	IP 67
LED colour temperature	2200K (Warm White 722)
	3000K (Warm White 730)
	4000K (Neutral White 740)
Colour rendering index (CRI)	>70
Upward Light Output Ratio (ULOR)	0%
Upward Light Ratio (ULR)	0%
Lifetime of the LEDs @ Tq 25°C	100,000h - L95

CONTROL

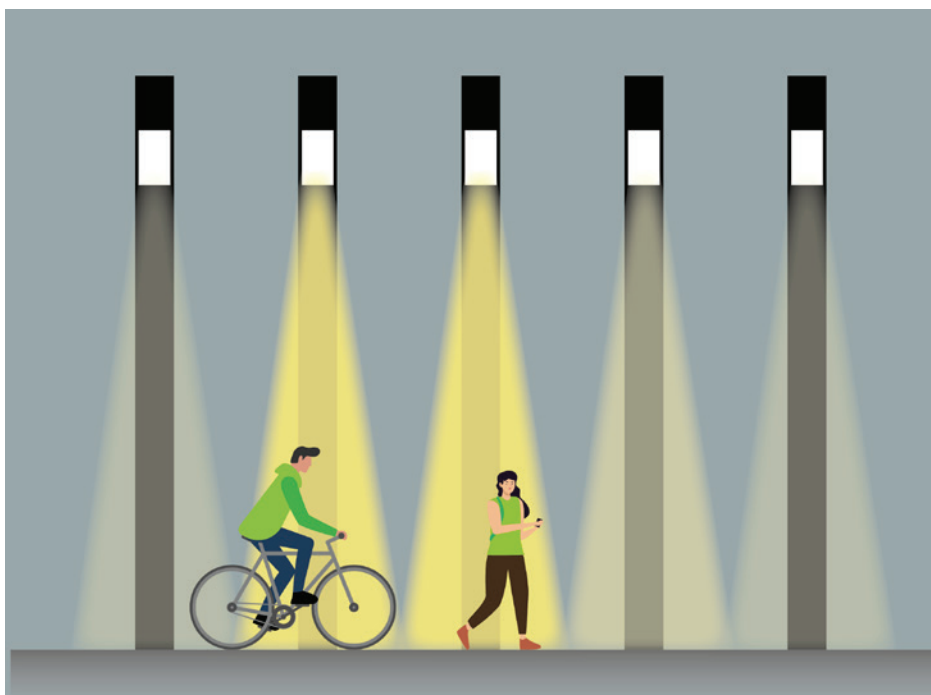
PIR sensor	Optional
Microwave sensor	Optional
Zhaga socket	Optional

PERFORMANCE

	Number of LEDs	Luminaire output flux (lm) Warm White 722		Luminaire output flux (lm) Warm White 730		Luminaire output flux (lm) Neutral White 740		Power consumption (W)		Luminaire efficacy (lm/W)
		Min	Max	Min	Max	Min	Max	Min	Max	
ALTEZZA 150	24	400	6300	500	7000	500	7400	3	51	Up to 191
ALTEZZA 150 DUO	2x24	800	12600	1000	14000	1000	14800	6	102	191

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

LIGHT ON DEMAND



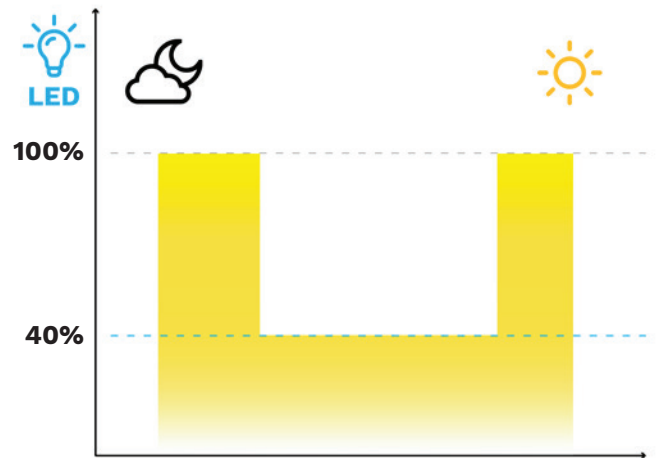
With advanced sensor technology and options for stand-alone operation or communication between luminaires, light-on-demand features make a significant contribution to species conservation by actively reducing light pollution. These intelligent luminaires provide full light intensity only when needed, ensuring optimum visibility and safety. By dimming the lights during periods of low activity, they prevent over-dimensioning and eliminate the need for additional solar panels and larger batteries, making them an efficient and sustainable solution.

STANDARD DIMMING PROFILES*

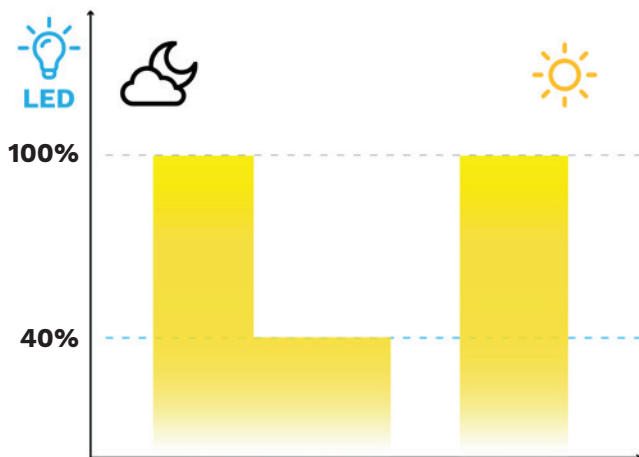
V3: all night 100%



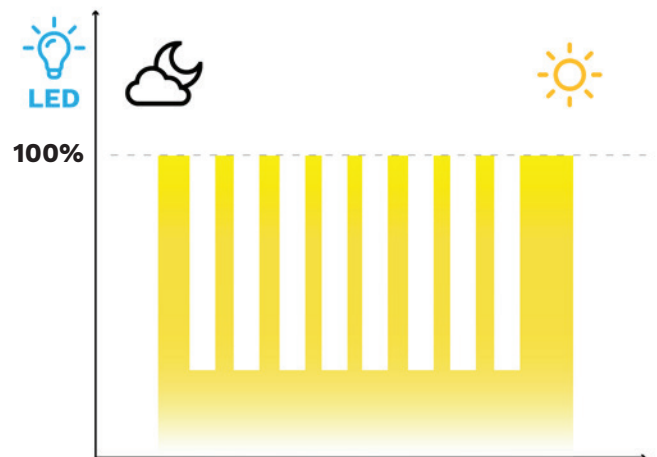
V4: night dimming to 40%



V5: partial switch OFF

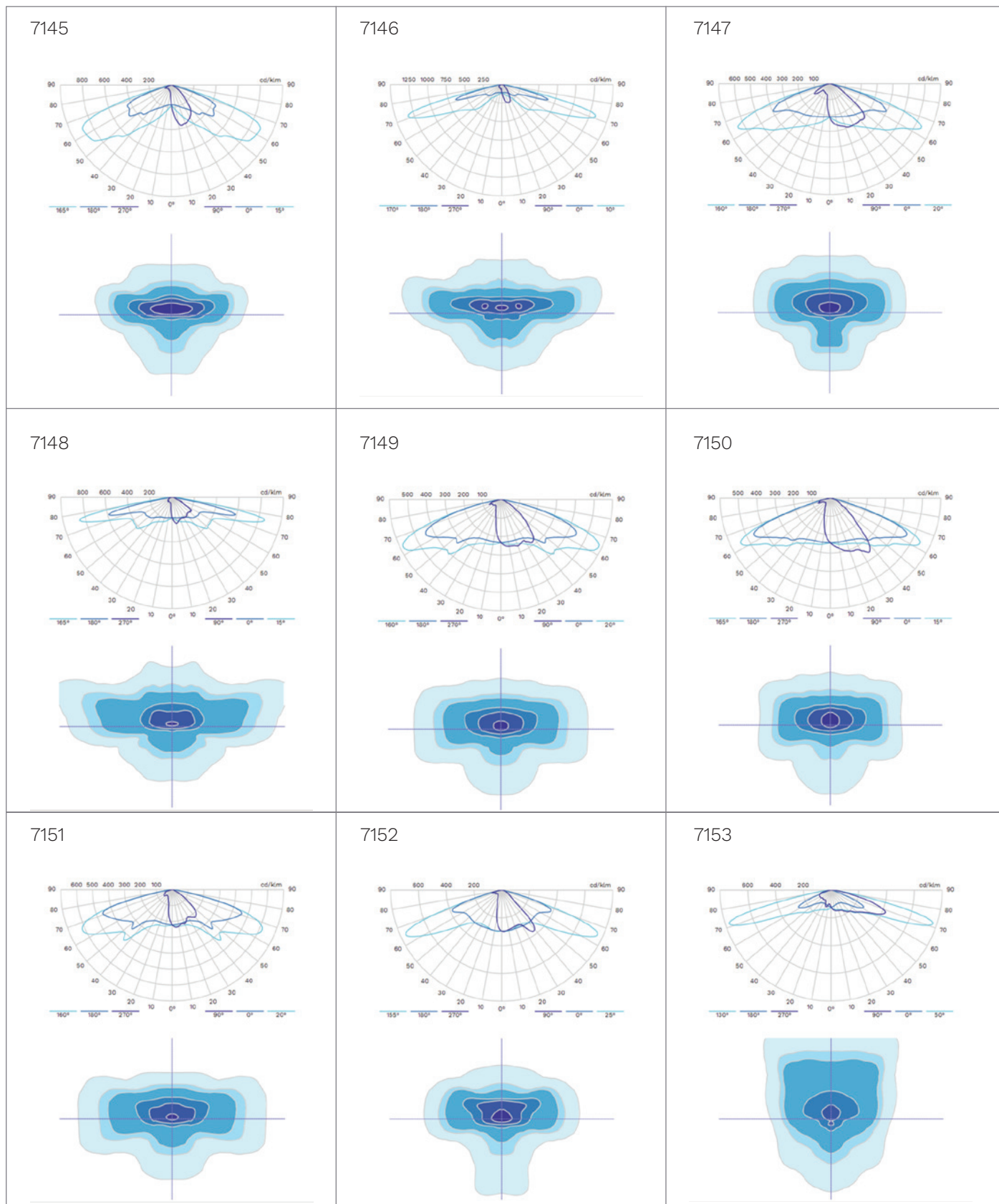


Light on demand (sensor)



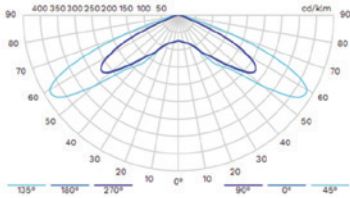
*Customised dimming profiles are available as an option.

LIGHT DISTRIBUTIONS

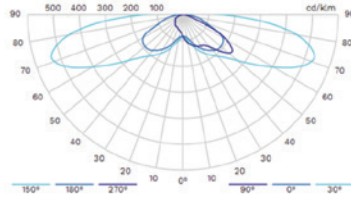


LIGHT DISTRIBUTIONS

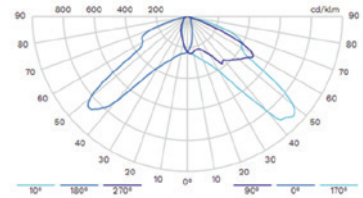
7154



7155



7156



7157

