

# OUTLANDER

## Array LeS technology

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Manufactured in Finland



DAYLIGHT from LeS

THE ANSWER TO THE CHALLENGE.  
STRENGTHEN YOUR LIGHTING,  
OUTLANDER – DAYLIGHT *from* LeS

### LUMINAIRE FOR MULTIPLE PURPOSES

– High luminous flux with less power: 160 lm/W! Energy saving potential up to 92 %

- Daylight color temperature 5000 K
- Flicker free
- Instant ignition
- Dimming 0–140 %
- Maintenance free
- Produces light, not heat
- 100 % recyclable



OUTLANDER is a very powerful Array LeS luminaire. This product combines all the outstanding features found in LumiTar's luminaires: quality, efficiency, ecology and usability. These luminaires are built to last in demanding conditions. They can be installed in freezing colds to boiling heats. This meticulously designed luminaire is 100% recyclable. Aluminum frame, glass lens optics, customizable light angle and dimming possibilities combined with Array LeS technology's high light intensity from less power, offers a new cost-effective solution for the end-user. The luminaire is easy to handle due to its small size and light weight.

### FLICKER FREE

The OUTLANDER, like all of our luminaires, is technically advanced. Our light is always completely flicker free, has a CRI of over 85 and creates a daylight like environment with a color temperature of 5000 K.

### VERSATILE INTERFACE DEVICES

In Array LeS luminaires LumiTar uses custom-built power supply devices. The power supply has a broad voltage range, either VAC or VDC. The power supply has an efficiency rating of 97.3 % and its lifespan is up to 100 000 hours, when operated within reported range.

Array LeS –luminaires always ignite from zero level so that no power surges are fed back to the grid. Luminaires ignite in 0,75µs, meaning there's basically no delay. The power supply is covered with a strong aluminum frame and it does not cause environmental drawbacks nor disturbances to the grid or the control device.

Array LeS luminaires are fully dimmable with a control device from 0–100 (140) %.

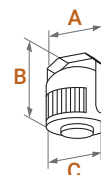
Array LeS innovation produces the best lighting on the market, amazing color rendering index and secures a lifespan of over 200 000 hours.



### DIMENSIONS

	A	B	C
mm	180	230	Ø 170

Luminaire weight 2.4 kg



# Type key designation OUTLANDER

**OUTLANDER** | **1** | **80** | **S** | **A** | **04** | **01** | **5** | **2**

**PRODUCT FAMILY**  
OUTLANDER

**MODEL**  
1

**HOLDER**



**IP-CLASS**

- 1 = IP20
- 2 = IP44
- 3 = IP54
- 4 = IP65
- 5 = IP67
- 6 = IP68

**POWER**

- 40 = 40 W
- 80 = 80 W
- 100 = 100 W
- 120 = 120 W

**BEAM ANGLE**

- S = 39–51° SPOT (narrow spotlight)
- F = 64–74° FLOOD (general)
- A = 92–170° AREA (broad area)

**REFLECTOR TYPE / BEAM**

- Fits holder A:
- 01 = XW / 92°
  - 02 = W / 64°
  - 03 = M / 51°
  - 04 = S / 39°



- 09 = OR / 170°

Fits holder ME:

- 12 = 6W / 58°
- 13 = 7M / 38°
- 14 = 8S / 36°
- 15 = 9SS / 30°
- 16 = 10S6 / 12°



**COLOR**

- 1 = RAL9010 (white)
- 2 = RAL9006 (grey)
- 3 = RAL9005 (black)

**LENS TYPE**

- 01 = Clear L
- 02 = Flood L
- 03 = Diff L
- 04 = Street L
- 05 = Clear H
- 06 = Flood H
- 07 = Diff H
- 08 = Street H



- 11 = Cup IK



# Technical data, OUTLANDER

OUTLANDER luminaire is truly versatile. It has a broad range of different reflectors to suit your every need. There are also different glass optics. All possible deviations can be found in the product range table.

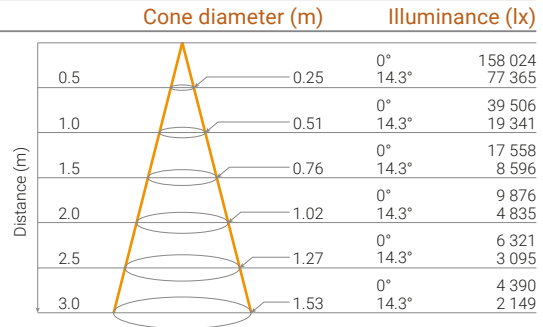
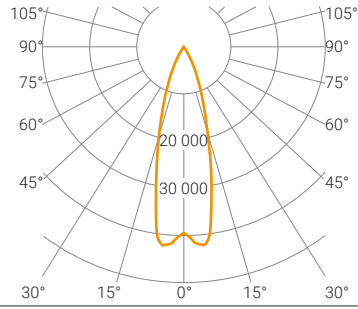
		40_	80_	100_	120_
<b>Technical data</b>					
Power	W	40	80	100	120
Luminous flux	lm	6400	12800	16000	19200
Luminaire efficiency	lm/W	160	160	160	160
Color temperature / ANSI CCT	K	5000	5000	5000	5000
Color rendering index CRI/Ra	Ra	85	85	85	85
Light chip / Array light module		BxRV2.9	BxRV2.9	BxRV2.9	BxRV2.9
Light chip voltage	V DC	52.2	52.2	52.2	52.2
Energy efficiency class – Energy Star		AAA	AAA	AAA	AAA
Light chip lifespan	Years	25	25	25	25
	Hours	200 000	200 000	200 000	200 000
<b>Luminaire control</b>					
Luminaire reconnection	ms	0.075	0.075	0.075	0.075
Dimming	%	0-140	0-140	0-140	0-140
Manual control	V	0-10	0-10	0-10	0-10
Control devices: GSM, LAN, DMX, DALI		Yes	Yes	Yes	Yes
<b>Mechanical data</b>					
Protection class		IP67	IP67	IP67	IP67
Luminaire weight	kg	2,4	2,4	2,4	2,4
Ambient working temperature, continuous	°C	-42... +70	-42... +70	-42... +70	-0... +70
Ambient working temperature, short-term	°C	-45... +105	-45... +105	-45... +105	-45... +105
Allowed overpressure	bar	4	4	4	4
Warranty	Years	5	5	5	5
Maintenance free		Yes	Yes	Yes	Yes
Cleaning – allows pressurized water/air	Max. bar	2	2	2	2
Ecology: Recyclable material	%	100	100	100	100
<b>Installation</b>					
Roof, wall, track		Yes	Yes	Yes	Yes
<b>Power supply (electronic) class 2, MWHLG</b>					
Luminaire current, 232 V AC	A	0.17	0.34	0.43	0.52
Efficiency	%	97.2	97.2	97.2	97.2
Voltage range / 50-60 Hz	V AC	90-305	90-305	90-305	90-305
Power supply protection class		IP67	IP67	IP67	IP67
Power supply distance from luminaire	m	0-20	0-20	0-20	0-20
<b>Accessories</b>					
Extension cable		QPD C 3PE 2,5 2x 6-10 BK		QPD C 3PE 2,5 2x 6-10 BK	
Protection cup for optics /		IK / IK10	IK / IK10	IK / IK10	IK / IK10
Protection cup IK-class					

## Materials and handling

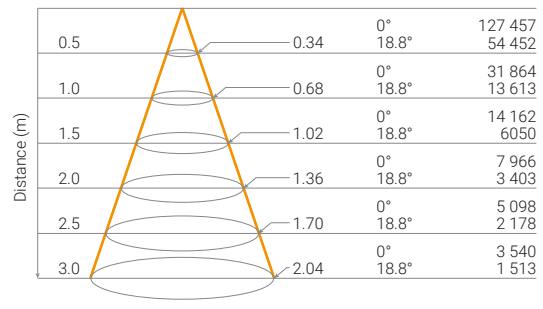
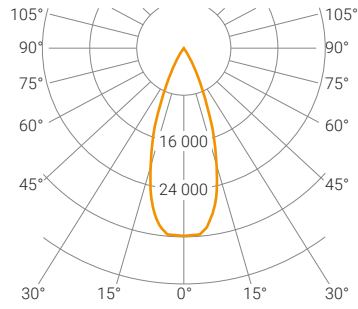
Frame: extruded aluminum profile  
 Lense: tempered glass  
 Seals: silicone  
 Surface: anodizing or powder coating

**OUTLANDER 80 W**

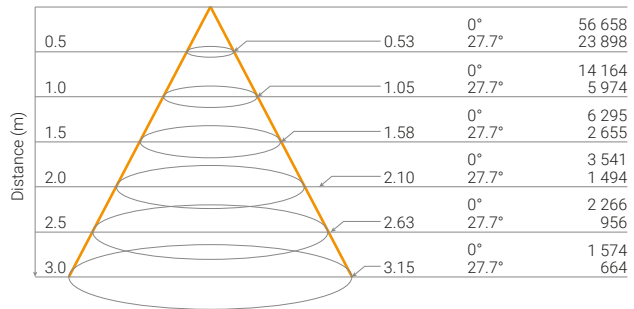
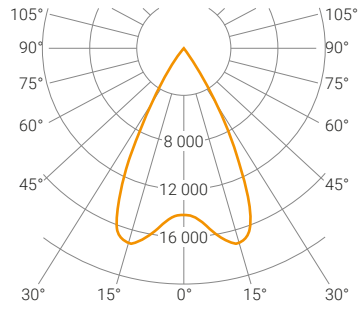
**Reflector S**  
12 800 lm



**Reflector M**  
12 800 lm

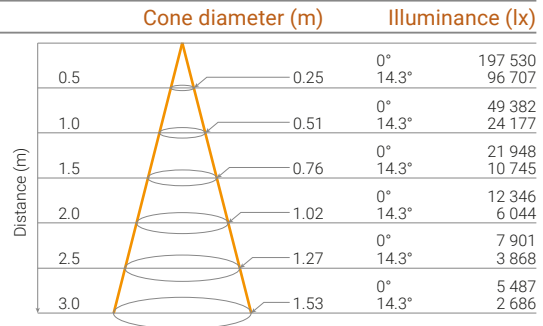
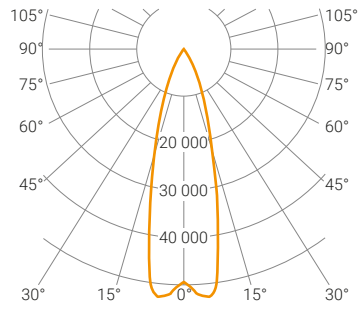


**Reflector W**  
12 800 lm

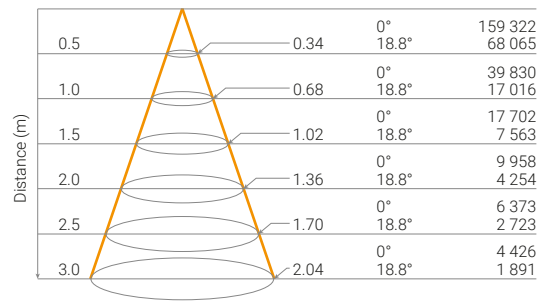
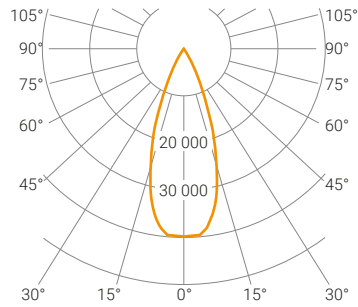


**OUTLANDER 100 W**

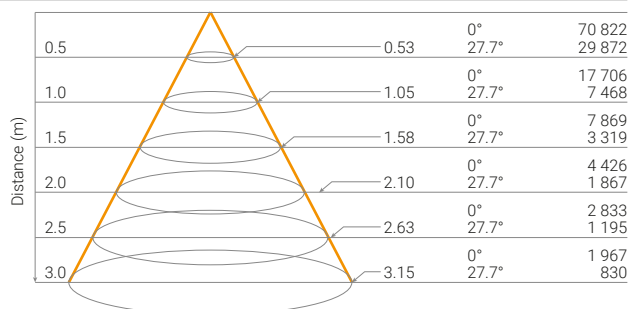
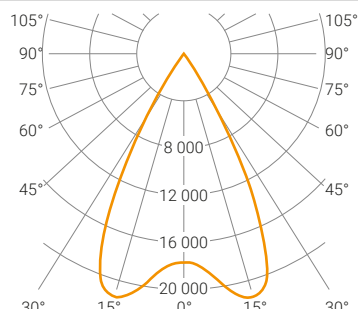
**Reflector S**  
16 000 lm



**Reflector M**  
16 000 lm

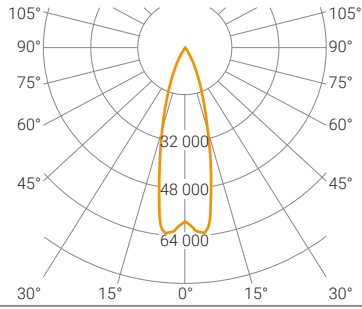


**Reflector W**  
16 000 lm



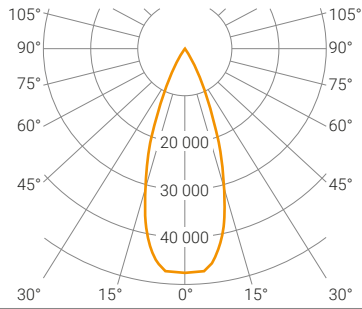
**OUTLANDER 120 W**

**Reflector S**  
19 200 lm



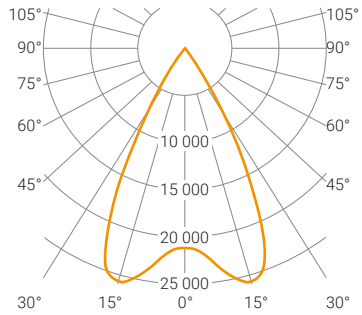
Cone diameter (m)		Illuminance (lx)	
0.5	0.25	0°	237 036
		14.3°	116 048
1.0	0.51	0°	59 259
		14.3°	29 012
1.5	0.76	0°	26 337
		14.3°	12 894
2.0	1.02	0°	14 815
		14.3°	7 253
2.5	1.27	0°	9 481
		14.3°	4 642
3.0	1.53	0°	6 584
		14.3°	3 224

**Reflector M**  
19 200 lm



0.5	0.34	0°	191 186
		18.8°	81 678
1.0	0.68	0°	47 796
		18.8°	20 419
1.5	1.02	0°	21 143
		18.8°	9 075
2.0	1.36	0°	11 949
		18.8°	5 105
2.5	1.70	0°	7 647
		18.8°	3 267
3.0	2.04	0°	5 311
		18.8°	2 269

**Reflector W**  
19 200 lm



0.5	0.53	0°	84 987
		27.7°	35 846
1.0	1.05	0°	21 247
		27.7°	8 962
1.5	1.58	0°	9 443
		27.7°	3 983
2.0	2.10	0°	5 312
		27.7°	2 240
2.5	2.63	0°	3 399
		27.7°	1 434
3.0	3.15	0°	2 361
		27.7°	996

The energy efficiency  
can be improved more than 80 %  
when replacing old luminaires with  
LumiTar Array LeS luminaires.

*LumiTar*<sup>TM</sup>  
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