

LEDVANCE.COM

UP TO
150
lm/W

75 000h
LIFETIME

C4
CORROSION
RESISTANCE

LEDVANCE

ENHANCED FEATURES, ENDURING
PERFORMANCE: THE NEXT GENERATION
OF FLOODLIGHTS



FLOODLIGHT GEN 4

THE NEW, ROBUST OUTDOOR
FLOODLIGHTS FOR ANY WEATHER



THE NEW FLOODLIGHT GEN 4

BUILT TO LAST,
LIGHTING THE WAY

**EFFICIENCY, FLEXIBILITY AND
DURABILITY FOR DEMANDING
OUTDOOR ENVIRONMENTS**

The LEDVANCE FLOODLIGHT GEN 4 family sets a new standard for outdoor lighting, offering exceptional performance for a variety of applications. It delivers impressive efficiency of up to 150 lm/W and a long lifetime of 75,000 hours (L80/B10), minimising energy costs and maintenance.

Installer-friendly features like the MULTI LUMEN for adjustable brightness and a watertight cable gland provide ease of use and reliable operation in harsh conditions. C4 corrosion resistance ensures durability in coastal environments, while the breather membrane prevents water build-up within the luminaire. The GEN 4 also offers a new sensor version with automatic dimming for eco-conscious operation, reducing light pollution and energy consumption.

With its robust build (up to IP66/IK08) for reliable protection, easy bracket installation and a comprehensive 5-year guarantee, the FLOODLIGHT GEN 4 family is the ideal choice for dependable and long-lasting outdoor illumination.

The range is completed with PHOTOCELL versions with daylight sensor.



+ **HIGH EFFICIENCY:** Up to 150 lm/W for optimal energy efficiency

+ **C4 CORROSION RESISTANCE:** Suitable for use in environments with moderate salinity

+ **MULTI LUMEN:** Adjustable brightness levels to suit specific needs

+ **EXTREMELY TOUGH:** Up to IP66 and IK08 for reliable performance

BREAKDOWN OF THE MAIN FLOODLIGHT GEN 4 BENEFITS

- ❶ Frosted glass for perfect homogeneity
- ❷ MULTI LUMEN dip switch
- ❸ Secure water stop thanks to watertight cable gland
- ❹ Breather membrane
- ❺ Flexible installation thanks to 1 m cable
- ❻ Adjustable mounting bracket

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WOULD YOU LIKE MORE INFORMATION?

Visit our website to discover more technical details on the product range.
ledvance.com/FL-GEN4



Does your project require something not shown? LEDVANCE Project Services can create lighting solutions to fit your specific needs. Get in touch: contact@ledvance.com

BLACK & WHITE HOUSING AVAILABLE



MULTI LUMEN: LESS COMPLEXITY, MORE FLEXIBILITY

With our new MULTI LUMEN feature, installers can set the lumen output in two steps before installation according to the application need. This reduces the complexity of product selection, as fewer products now cover the entire range of lumens and meet the needs of installers. The simple 2-level setting is done via a dip switch on the luminaire.

ADVANTAGES:

- Simplified product selection
- Flexible adjustment before installation
- Easy operation
- Proven quality

Our **MULTI LUMEN FLOODLIGHTS GEN 4** offer a practical and efficient solution for illuminating your projects.



PRODUCT NAME	LOW (lm)		HIGH (lm)
FL 10	850	↔	1200
FL 20	1650	↔	2400
FL 50	4000	↔	6000
FL 100	8000	↔	10000
FL 150	12800	↔	15000
FL 200	18000	↔	20000
FL 250	22500	↔	25000

UNWAVERING PERFORMANCE: FLOODLIGHT GEN 4 FOR CHALLENGING APPLICATIONS

C4 corrosion resistance, watertight connections and adjustable brightness make the FLOODLIGHT GEN 4 ideal for illuminating outdoor spaces. Long-lasting performance ensures reliable illumination, even under the toughest weather conditions.



Watertight cable gland:
Integrated water stop and silicone ring prevent water ingress for a secure, durable connection.



Adjustable luminous flux:
Easily select high or low brightness using the dip switch under the protective cap. A silicone seal maintains watertightness.



Long-lasting performance:
Breather membrane with silicone sealing ring prevents water buildup and condensation, protecting electrical components for extended lifetime.*

* Not suitable for chlorine environments

FLOODLIGHT GEN 4 SENSOR: LIGHT WHEN AND WHERE YOU NEED IT

The FLOODLIGHT GEN 4 SENSOR family with flexible motion and daylight sensor presents itself in a new design and with an innovative feature: automatic dimming when no motion is detected. This eco-friendly feature reduces light pollution by dimming the light when it's not needed.

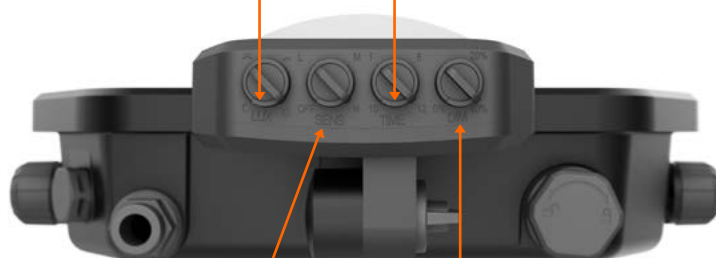
New design
that creates a unified look for the FLOODLIGHT GEN 4 family.



Adjustable sensor direction:
can be angled for side motion detection

Lux level/ambient light:
< 10 – 2,000 LUX (adjustable)

Hold time:
10 sec – 1 – 6 – 12 min

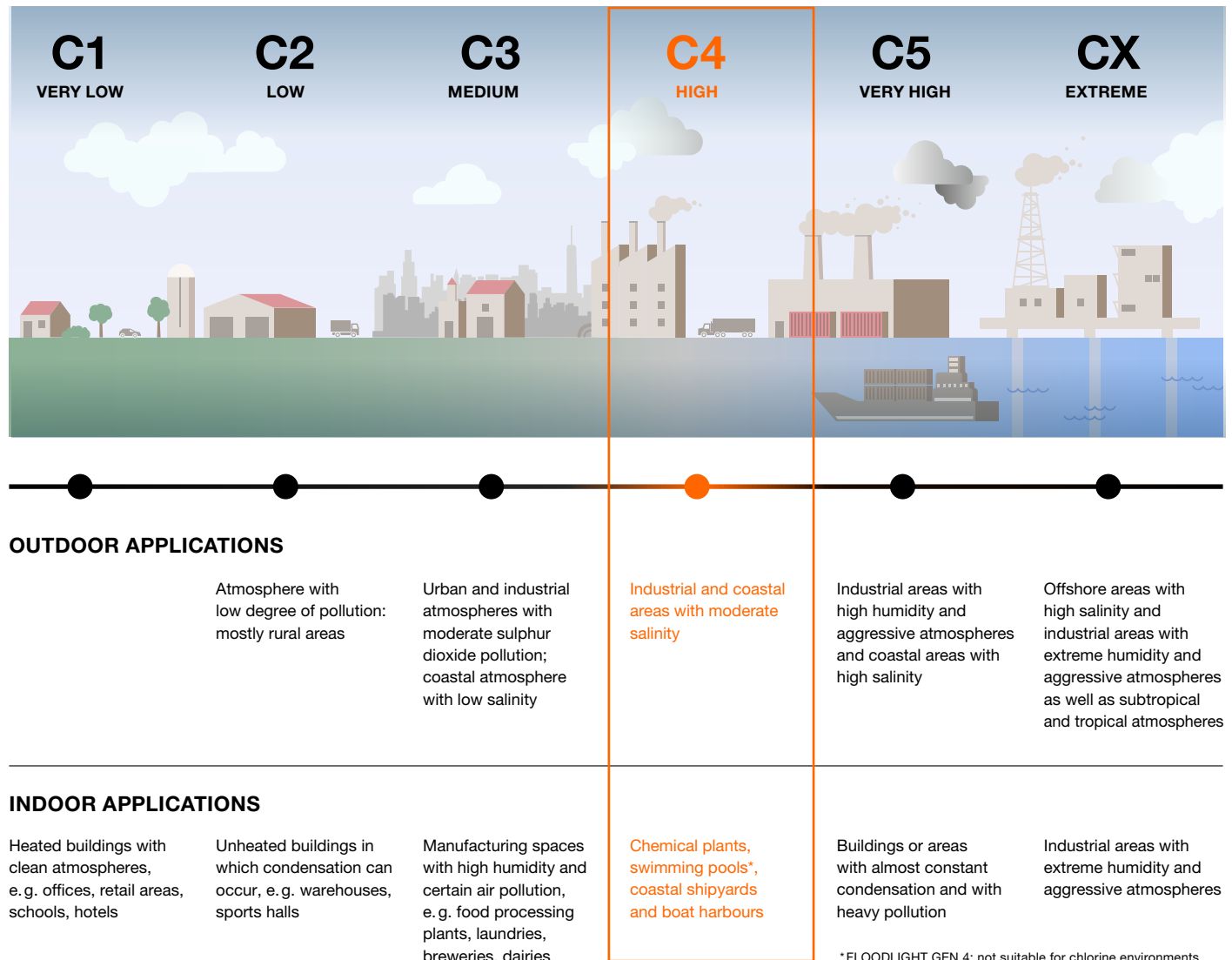


Detection distance:
L/M/H = 10 m ± 2 m

Stand dimming level:
0 % – 20 % – 40 %

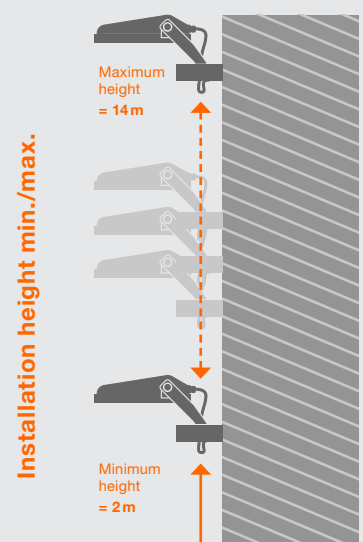
CORROSION CLASS RESISTANCE ACCORDING TO EN ISO 12944-2

Corrosion is a natural process that can damage materials, especially when exposed to harsh elements like saltwater. Our Gen 4 floodlights offer exceptional corrosion resistance with a C4 rating, making them ideal for outdoor use.



RECOMMENDED INSTALLATION HEIGHT FOR FLOODLIGHT GEN 4

Product Name	Wattage (W)	Lumen output (lm)	Mounting height min. (m)	Mounting height max. (m)
Installation height 2–4 m				
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	1 200	2	4
FL 20 P 17W 2K4LM 830 PS SY100 BK	17	2 400	2	4
FL 50 P 41W 6KLM 830 PS SY100 BK	41	6 000	2	4
Installation height 4–14 m				
FL 100 P 69W 10KLM 830 PS SY100 BK	69	10 000	4	8
FL 150 P 100W 15KLM 830 PS SY100 BK	100	15 000	6	10
FL 200 P 133W 20KLM 830 PS SY100 BK	133	20 000	6	10
FL 250 P 167W 25KLM 830 PS SY100 BK	167	25 000	6	14



FLOODLIGHT GEN 4

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Available in black and
white housing colours

Product name	EAN (GTIN)	Replacement for	W	lm	lm/W	K	L80 ¹		L x W x H [mm] Ø x H [mm]
FLOODLIGHT 10									
FL 10 P 8W 1K2LM 830 PS SY100 BK	4099854 305689	80W HAL	8/6	1100/780	133	3000	75000	100 × 100	136 × 36 × 127
FL 10 P 8W 1K2LM 830 PS SY100 WT	4099854 305702	80W HAL	8/6	1100/780	133	3000	75000	100 × 100	136 × 36 × 127
FL 10 P 8W 1K2LM 840 PS SY100 BK	4099854 305665	80W HAL	8/6	1200/850	145	4000	75000	100 × 100	136 × 36 × 127
FL 10 P 8W 1K2LM 840 PS SY100 WT	4099854 305726	80W HAL	8/6	1200/850	145	4000	75000	100 × 100	136 × 36 × 127
FL 10 P 8W 1K2LM 865 PS SY100 BK	4099854 305740	80W HAL	8/6	1200/850	145	6500	75000	100 × 100	136 × 36 × 127
FL 10 P 8W 1K2LM 865 PS SY100 WT	4099854 305764	80W HAL	8/6	1200/850	145	6500	75000	100 × 100	136 × 36 × 127
FLOODLIGHT 20									
FL 20 P 17W 2K4LM 830 PS SY100 BK	4099854 305788	400W HAL	17/11	2200/1465	133	3000	75000	100 × 100	157 × 38 × 141
FL 20 P 17W 2K4LM 830 PS SY100 WT	4099854 305801	400W HAL	17/11	2200/1465	133	3000	75000	100 × 100	157 × 38 × 141
FL 20 P 17W 2K4LM 840 PS SY100 BK	4099854 305825	400W HAL	17/11	2400/1600	145	4000	75000	100 × 100	157 × 38 × 141
FL 20 P 17W 2K4LM 840 PS SY100 WT	4099854 305849	400W HAL	17/11	2400/1600	145	4000	75000	100 × 100	157 × 38 × 141
FL 20 P 17W 2K4LM 865 PS SY100 BK	4099854 305863	400W HAL	17/11	2400/1600	145	6500	75000	100 × 100	157 × 38 × 141
FL 20 P 17W 2K4LM 865 PS SY100 WT	4099854 305887	400W HAL	17/11	2400/1600	145	6500	75000	100 × 100	157 × 38 × 141
FLOODLIGHT 50									
FL 50 P 41W 6KLM 830 PS SY100 BK	4099854 305924	400W HAL	41/27	5500/3670	133	3000	75000	100 × 100	201 × 43 × 179
FL 50 P 41W 6KLM 830 PS SY100 WT	4099854 305948	400W HAL	41/27	5500/3670	133	3000	75000	100 × 100	201 × 43 × 179
FL 50 P 41W 6KLM 840 PS SY100 BK	4099854 305962	400W HAL	41/27	6000/4000	145	4000	75000	100 × 100	201 × 43 × 179
FL 50 P 41W 6KLM 840 PS SY100 WT	4099854 305986	400W HAL	41/27	6000/4000	145	4000	75000	100 × 100	201 × 43 × 179
FL 50 P 41W 6KLM 865 PS SY100 BK	4099854 306006	400W HAL	41/27	6000/4000	145	6500	75000	100 × 100	201 × 43 × 179
FL 50 P 41W 6KLM 865 PS SY100 WT	4099854 306020	400W HAL	41/27	6000/4000	145	6500	75000	100 × 100	201 × 43 × 179
FLOODLIGHT 100									
FL 100 P 69W 10KLM 830 PS SY100 BK	4099854 306082	750W HAL	69/53	9150/7320	133	3000	75000	100 × 100	236 × 52 × 236
FL 100 P 69W 10KLM 830 PS SY100 WT	4099854 306143	750W HAL	69/53	9150/7320	133	3000	75000	100 × 100	236 × 52 × 236
FL 100 P 69W 10KLM 840 PS SY100 BK	4099854 306167	750W HAL	69/53	10000/8000	145	4000	75000	100 × 100	236 × 52 × 236
FL 100 P 69W 10KLM 840 PS SY100 WT	4099854 306181	750W HAL	69/53	10000/8000	145	4000	75000	100 × 100	236 × 52 × 236
FL 100 P 69W 10KLM 865 PS SY100 BK	4099854 306204	750W HAL	69/53	10000/8000	145	6500	75000	100 × 100	236 × 52 × 236
FL 100 P 69W 10KLM 865 PS SY100 WT	4099854 306228	750W HAL	69/53	10000/8000	145	6500	75000	100 × 100	236 × 52 × 236
FLOODLIGHT 150									
FL 150 P 100W 15KLM 830 PS SY100BK	4099854 306242	1000W HAL	100/83	14000/11670	140	3000	75000	100 × 100	266 × 55 × 343
FL 150 P 100W 15KLM 830 PS SY100WT	4099854 306266	1000W HAL	100/83	14000/11670	140	3000	75000	100 × 100	266 × 55 × 343
FL 150 P 100W 15KLM 840 PS SY100BK	4099854 306280	1000W HAL	100/83	15000/12500	150	4000	75000	100 × 100	266 × 55 × 343
FL 150 P 100W 15KLM 840 PS SY100WT	4099854 306303	1000W HAL	100/83	15000/12500	150	4000	75000	100 × 100	266 × 55 × 343
FL 150 P 100W 15KLM 865 PS SY100BK	4099854 306327	1000W HAL	100/83	15000/12500	150	6500	75000	100 × 100	266 × 55 × 343
FL 150 P 100W 15KLM 865 PS SY100WT	4099854 306341	1000W HAL	100/83	15000/12500	150	6500	75000	100 × 100	266 × 55 × 343
FLOODLIGHT 200									
FL 200 P 133W 20KLM 830 PS SY100BK	4099854 306365	2000W HAL	133/117	18600/16275	140	3000	75000	100 × 100	294 × 58 × 376
FL 200 P 133W 20KLM 830 PS SY100WT	4099854 306389	2000W HAL	133/117	18600/16275	140	3000	75000	100 × 100	294 × 58 × 376
FL 200 P 133W 20KLM 840 PS SY100BK	4099854 306402	2000W HAL	133/117	20000/17500	150	4000	75000	100 × 100	294 × 58 × 376
FL 200 P 133W 20KLM 840 PS SY100WT	4099854 306426	2000W HAL	133/117	20000/17500	150	4000	75000	100 × 100	294 × 58 × 376
FL 200 P 133W 20KLM 865 PS SY100BK	4099854 306464	2000W HAL	133/117	20000/17500	150	6500	75000	100 × 100	294 × 58 × 376
FL 200 P 133W 20KLM 865 PS SY100WT	4099854 306488	2000W HAL	133/117	20000/17500	150	6500	75000	100 × 100	294 × 58 × 376
FLOODLIGHT 250									
FL 250 P 167W 25KLM 830 PS SY100BK	4099854 306563	2500W HAL	167/150	23400/21060	140	3000	75000	100 × 100	329 × 61 × 409
FL 250 P 167W 25KLM 830 PS SY100WT	4099854 306587	2500W HAL	167/150	23400/21060	140	3000	75000	100 × 100	329 × 61 × 409
FL 250 P 167W 25KLM 840 PS SY100BK	4099854 306600	2500W HAL	167/150	25000/22500	150	4000	75000	100 × 100	329 × 61 × 409
FL 250 P 167W 25KLM 840 PS SY100WT	4099854 306624	2500W HAL	167/150	25000/22500	150	4000	75000	100 × 100	329 × 61 × 409
FL 250 P 167W 25KLM 865 PS SY100BK	4099854 306648	2500W HAL	167/150	25000/22500	150	6500	75000	100 × 100	329 × 61 × 409
FL 250 P 167W 25KLM 865 PS SY100WT	4099854 306662	2500W HAL	167/150	25000/22500	150	6500	75000	100 × 100	329 × 61 × 409

¹ t[h]: L70/B50 @ 25 °C (T_a)/t[h]: L80/B10 @ 25 °C (T_a)

² Refer to www.ledvance.com/guarantee for precise conditions

FLOODLIGHT SENSOR GEN 4

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FLOODLIGHT SENSOR 10



FLOODLIGHT SENSOR 20



FLOODLIGHT SENSOR 50

Available in black and
white housing colours

Product name	EAN (GTIN)	Replacement for	W	lm	lm/W	K	L80 ¹		L x W x H [mm]
FLOODLIGHT SENSOR 10									
FL 10 SN P 8W 1K2LM 830 PS SY100WT	4099854 306709	80W HAL	8/6	1100/780	133	3000	75000	100 × 100	136 × 57 × 170
FL 10 SN P 8W 1K2LM 830 PS SY100BK	4099854 306747	80W HAL	8/6	1100/780	133	3000	75000	100 × 100	136 × 57 × 170
FL 10 SN P 8W 1K2LM 840 PS SY100WT	4099854 306785	80W HAL	8/6	1200/850	145	4000	75000	100 × 100	136 × 57 × 170
FL 10 SN P 8W 1K2LM 840 PS SY100BK	4099854 306808	80W HAL	8/6	1200/850	145	4000	75000	100 × 100	136 × 57 × 170
FLOODLIGHT SENSOR 20									
FL 20 SN P 17W 2K4LM 830 PSSY100WT	4099854 309465	160W HAL	17/11	2200/1465	133	3000	75000	100 × 100	157 × 38 × 183
FL 20 SN P 17W 2K4LM 830 PSSY100BK	4099854 309489	160W HAL	17/11	2200/1465	133	3000	75000	100 × 100	157 × 38 × 183
FL 20 SN P 17W 2K4LM 840 PSSY100WT	4099854 309502	160W HAL	17/11	2400/1600	145	4000	75000	100 × 100	157 × 38 × 183
FL 20 SN P 17W 2K4LM 840 PSSY100BK	4099854 309526	160W HAL	17/11	2400/1600	145	4000	75000	100 × 100	157 × 38 × 183
FLOODLIGHT SENSOR 50									
FL 50 SN P 41W 6KLM 830 PS SY100WT	4099854 306822	400W HAL	41/27	5500/3670	133	3000	75000	100 × 100	201 × 57 × 219
FL 50 SN P 41W 6KLM 830 PS SY100BK	4099854 306860	400W HAL	41/27	5500/3670	133	3000	75000	100 × 100	201 × 57 × 219
FL 50 SN P 41W 6KLM 840 PS SY100WT	4099854 306884	400W HAL	41/27	6000/4000	145	4000	75000	100 × 100	201 × 57 × 219
FL 50 SN P 41W 6KLM 840 PS SY100BK	4099854 306921	400W HAL	41/27	6000/4000	145	4000	75000	100 × 100	201 × 57 × 219

SENSOR PROPERTIES

Product name	Type of sensor	Sensor technology	Detection threshold of daylight sensor	Detection range of motion sensor	Sensor detection angle	Sensor controlled switching time
FLOODLIGHT SENSOR 10	Motion/Light	Passive infrared (PIR)	10...2000 lx	2...12 m	40°...160°	10 s...12 min
FLOODLIGHT SENSOR 20	Motion/Light	Passive infrared (PIR)	10...2000 lx	2...12 m	40°...160°	10 s...12 min
FLOODLIGHT SENSOR 50	Motion/Light	Passive infrared (PIR)	10...2000 lx	2...12 m	40°...160°	10 s...12 min

FLOODLIGHT PHOTOCELL GEN 4

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FLOODLIGHT PHOTOCELL 100



FLOODLIGHT PHOTOCELL 150



FLOODLIGHT PHOTOCELL 200

Product name	EAN (GTIN)	Replacement for	W	lm	lm/W	K	L80 ¹		L x W x H [mm]
FLOODLIGHT PHOTOCELL 100/150/200									
FL 100 PCELL P 69W 840 10KLM PS BK	4099854 306945	750W HAL	69/53	10000/8000	145	4000	75000	100 × 100	236 × 52 × 236
FL 150 PCELL P 100W 840 15KLM PSBK	4099854 307003	1000W HAL	100/83	15000/12500	150	4000	75000	100 × 100	266 × 55 × 343
FL 200 PCELL P 133W 840 20KLM PSBK	4099854 307041	2000W HAL	133/117	20000/17500	150	4000	75000	100 × 100	294 × 58 × 376

SENSOR PROPERTIES

Product name	Type of sensor	Sensor technology	Detection threshold of daylight sensor
FLOODLIGHT PHOTOCELL 100/150/200	Light	Photocell	35...95 lx

¹ t[h]: L70/B50 @ 25 °C (T_a)/t[h]: L80/B10 @ 25 °C (T_a)

² Refer to www.ledvance.com/guarantee for precise conditions

ABOUT LEDVANCE

With business activities in over 140 countries, LEDVANCE is one of the world's leading general lighting companies. Emerging from OSRAM's general lighting division, LEDVANCE's portfolio includes LED lamps and luminaires, intelligent lighting products, traditional lamps and renewable energy solutions.

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LEDVANCE

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