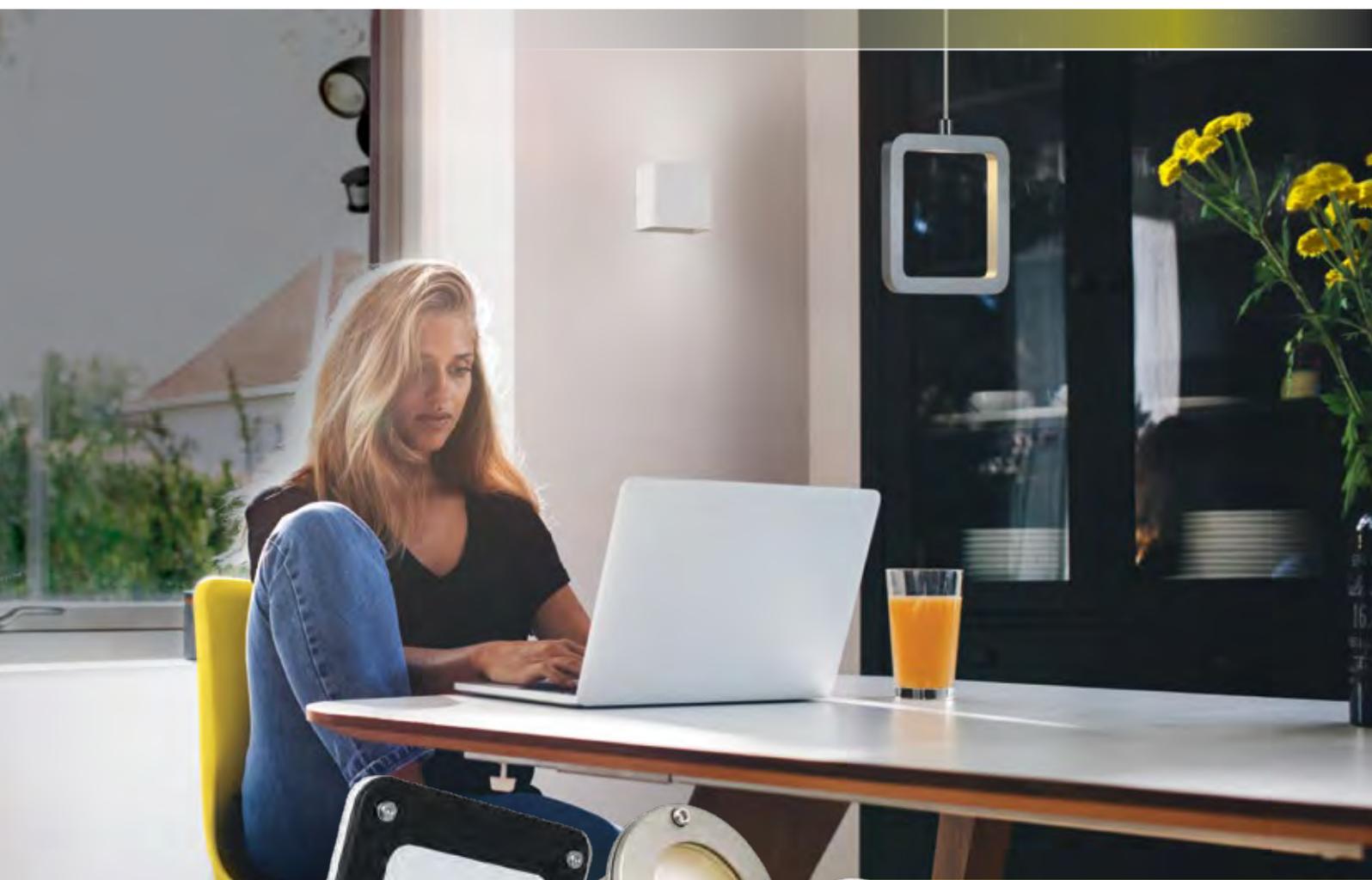




A brand of  **legrand**

LED LIGHTING



**BRIGHT
STYLISH
EFFICIENT**

2018 - EDITION 5



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LED LIGHTING EXPLAINED

LIGHT COLOUR

Expressed in Degrees Kelvin (K), light colours are the key to determining the mood of a room.

WARM WHITE	DEGREES	2700-3000K
	DESCRIPTION	SOFTER, WARMER LIGHT Comparable to traditional incandescent lighting. Preferred in cooler climates
	ROOM	Bedroom, living room, bathroom, kitchen
COOL WHITE	DEGREES	4000K
	DESCRIPTION	NEUTRAL LIGHT Used for task lighting and preferred in warmer, tropical climates
	ROOM	Laundry, garage, study, bathroom, kitchen

AVERAGE LAMP LIFE

LED 30,000 HOURS	COMPACT FLUORESCENT 10,000 HOURS	INCANDESCENT 1,000 HOURS
------------------	----------------------------------	--------------------------

DURABILITY: LEDs are very long-lasting compared to other lighting technologies, with an average 30,000 hours life expectancy. We use quality components which make our lamps even more durable, being laboratory tested and assessed at 30,000 hours life expectancy. That represents approximately 20 years based on 3 to 4 hours usage per day.

DIMMING COMPATIBILITY

Critical to a successful installation is an understanding of LED compatibility with dimmers.

HPM is one of the only major brands on the market to deliver a full solution from dimmers to drivers and LED fixtures. Choose the winning combination of HPM LED fixtures and HPM or Legrand dimmers to ensure superior performance – including smooth dimming with no flickering, reliability and long life.



LIGHT PERFORMANCE

LIGHT OUTPUT	INCANDESCENT	HALOGEN	CFL	LED
220 lm	25W	18W	5-7W	3W
420 lm	40W	28W	7-8W	4-5W
720 lm	60W	42W	11-12W	6-8W
930 lm	75W	52W	13-18W	9-13W
1300 lm	100W	70W	18-23W	16-20W

LUMINOUS EFFICACY (lm/W)

Picking a lamp fixture based only on wattage or physical size could result in the wrong choice: Wattage (measured in W) represents the power consumed by the luminaire. The actual output of a lamp is measured in lumens (lm): the more lumens, the more light emitted by the luminaire. A smart criteria for determining the efficiency of a light fixture is its lumens/Watt ratio, which represents how much light the fixture delivers versus what it consumes to perform. This value is called luminous efficacy, and proves LED lights are more efficient than other light technologies.

COLOUR RENDERING INDEX (CRI)

CRI measures how well a lamp makes colours appear. CRI scores light sources from 1 – 100: a high CRI means that the eye can pick up slight variations in colour, making details in an interior appear sharper and more vibrant. For outstanding colour rendering, opt for our Dalia series which boasts a very high 92 index.

Our downlights range from 80 to 92, to enhance skin tones, hues and textures in rooms.

BEAM ANGLE

The light effect from a luminaire is determined by its beam angle. That is the shape and direction of light generated by the lamp. Most conventional fixtures deliver a focused light distribution at 35-60° beam angle, but LED technology can go well above those values, while still maintaining a fair pool of light.

Our lights deliver beam angles ranging from 80 to 120° to ensure a beautiful light is spread throughout a room.

OUR QUALITY PROMISE



DIMMING COMPATIBILITY

Many of our lights are capable of being dimmed effectively. For optimum dimming performance and to reduce flickering, use HPM or Legrand dimmers. See pages 102-103 for more details.



INSULATION RATING

All recessed luminaires included in this brochure have an insulation rating of IC, IC-F, IC-4, CA80 and CA90. This means insulation may abut or cover the LED luminaire.



NATA ACCREDITED LABORATORY

To ensure the highest possible quality assurance standards all HPM lighting fixtures and lamps are tested in our NATA accredited laboratory in Sydney.



IP RATING

All our products are assured against insects and moisture, with IP ratings ranging from IP42 to IP65. See IP chart on page 105 for more information.

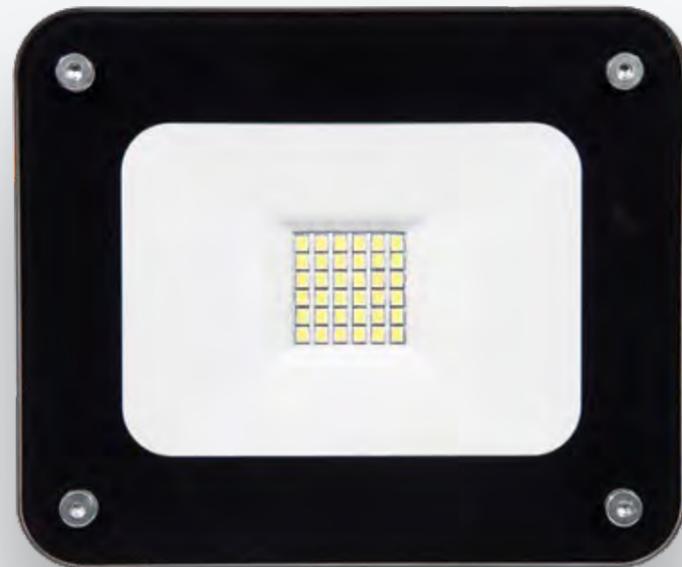
LED LIGHTING FIXTURES



FINA SLIM FLOODLIGHT (9W TO 15W)

NEW

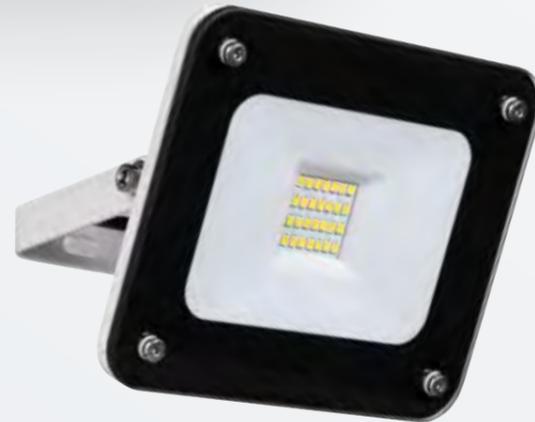
The Fina floodlight combine both a contemporary design and high performance. The slim profile and sleek tempered glass diffuser bring a touch of modern design. The stunning IP rating allows the Fina to be installed fully exposed to the elements.



TIP
Super slim profile blends perfectly into all exteriors

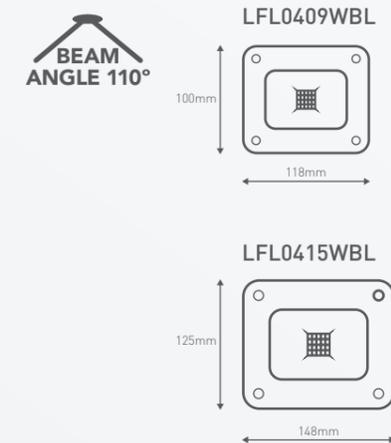


LFL0409WBL



LFL0415WBL

Power		9W	15W
Lumen output	Cool White	800 lm	1490 lm
Efficacy	Cool White	75 lm/W	75 lm/W
Colour temperature	Cool White	4,000K	
CRI		80+	
Lifespan		15,000 h	
Constructions		Tempered glass	
Package contents		LED floodlight with mounting bracket, wall plugs, screws and power cable	
Product codes		9W 15W	LFL0409WBL LFL0415WBL



UP TO
1490
LUMENS

ADJUSTABLE
HEAD 180°

IP65
WEATHERPROOF

3 YEAR
WARRANTY



LEANA SLIM FLOODLIGHT (8W-20W)

NEW

Think 'fabulous al fresco fun' with Leana. With its sleek, contemporary design, IP65 weatherproof rating and long-lasting LED globe, Leana is the perfect floodlight for adding sparkle to your outdoor area. The light is also equipped with multiple levels of luminosity to suit all your ambiance needs. Sleek to the eye, low on the power bill and brilliant for creating moods, you can't go wrong with Leana.



TIP
Super slim profile blends perfectly into all exteriors



LEANA SLIM FLOODLIGHT WITHOUT SENSOR



LEANA SLIM FLOODLIGHT WITH SENSOR

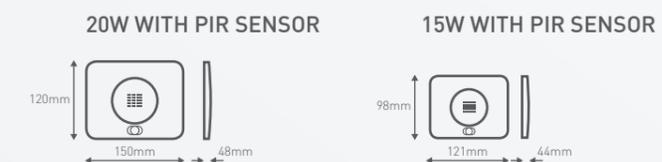
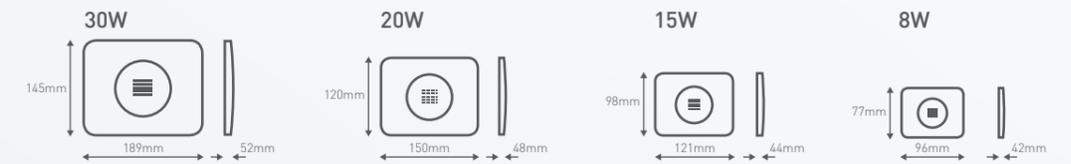
UP TO
3000
LUMENS

SENSOR
OPTIONS
AVAILABLE

IP65
WEATHERPROOF

5 YEAR
WARRANTY

Power		8W	15W	20W	30W
Lumen output	Cool White	650 lm	1200 lm	1200 lm	3000 lm
Efficacy	Cool White	80 lm/W	80 lm/W	100 lm/W	100 lm/W
Colour temperature	Cool White 4,000K				
CRI	70+				
Lifespan	25,000 h				
Construction	Die-cast aluminium				
Tilt angle	130° vertical				
Sensor detection range/angle	6m (max) 360° scan				
Time delay	5 min				
Sensor type	Passive Infrared (PIR)				
Switching function	Auto				
Package contents	LED floodlight with mounting bracket & 300mm lead, wall plugs, screws and power cable				
Product code	8W	LFL0510BL			
	15W	LFL0520BL			
	20W	LFL0530BL			
	30W	LFL0540BL			
	15W with PIR sensor	LFS0520BL			
	20W with PIR sensor	LFS0530BL			



BEAM
ANGLE 110°

TWIN FLOODLIGHT WITH SENSOR [29W]

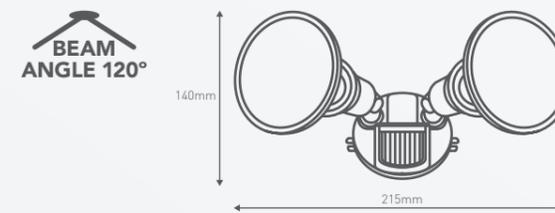
This versatile floodlight features dual lights that can be independently positioned allowing different areas to be illuminated. Ideal for secluded walkways and driveways the PIR sensor automatically activates lights when motion is detected within the detection range.



TIP

Passive infrared sensors are sensitive to a person's skin temperature through emitted body radiation, in contrast to background objects at room temperature. No energy is emitted from the sensor, thus the name "Passive Infrared" (PIR)

Power	29W	
Lumen output	Warm White	2,200 lm
Efficacy	Warm White	75 lm/W
Colour temperature	Warm White	3,000K
CRI	80+	
Lifespan	30,000 h	
Head swivel angle	120°	
Sensor detection range/angle	12m / 180°	
Sensor time-delay adjustment	10 (±5) seconds to 4 (±1) minutes	
Sensor type	Passive Infrared (PIR)	
Construction	UV resistant polycarbonate	
Package contents	29W Twin LED floodlight with PIR sensor, wall plugs and screws, 2x14W PAR38 LED lamps	
Product code	Black Finish Warm White Light	LFS013KBL



PAR38 replacement LED lamp (LPAR38024KES)



SIKA FLOODLIGHTS (12W TO 25W)

A great choice for lighting walkways and outdoor areas, this floodlight is a bright energy saver. Its simple design blends seamlessly with any décor making it a versatile choice. The Sika with motion sensor switches on automatically when movement is detected.



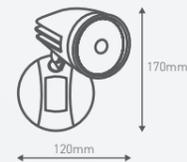
TIP

Ideal for driveways, including walkways, front and back porches

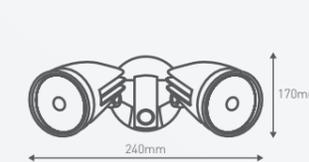
Power		12W	25W
Lumen output	Cool White	1,070 lm	2,200 lm
Efficacy	Cool White	88 lm/W	89 lm/W
Colour temperature	Cool White	4,000K	
CRI	80+		
Lifespan	15,000 h		
Head swivel angle	130° vertical / 180° horizontal		
Sensor detection range/angle	12m / 180°		
Sensor time-delay adjustment	10 (±5) seconds to 4 (±1) minutes		
Sensor type	Passive Infrared (PIR)		
Sensor manual override	Yes		
Construction	Die-cast aluminium body		
Package contents	12W to 25W LED floodlight, wall plugs and screws		
Product code			
Single spot	12W		LSP0112WBL
Double spot	25W		LSP0125WBL
Single spot	12W with PIR sensor		LSS0112WBL
Double spot	25W with PIR sensor		LSS0125WBL



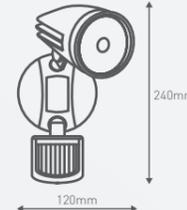
LSP0112WBL



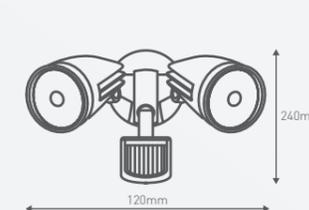
LSP0125WBL



LSS0112WBL



LSS0125WBL



FORTA FLOODLIGHTS (10W TO 40W)

Sporting a slick black, die-cast aluminium body, Forta floodlights look fantastic as well as throw a powerful light. The optional PIR sensor automatically turns on the light when it detects movement, which is both a great energy saving and security feature.



Main applications

Ideal for driveways, secluded walkways, front and back porches



UP TO
3000
LUMENS

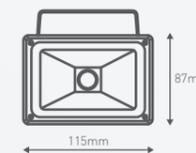
SENSOR
OPTIONS
AVAILABLE

IP44
WEATHERPROOF

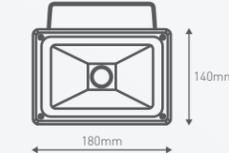
3 YEAR
WARRANTY

Power		10W	20W	30W	40W
Lumen output	Cool White	730 lm	1,615 lm	2,250 lm	3,000 lm
Efficacy	Cool White	73 lm/W	80 lm/W	75 lm/W	75 lm/W
Colour temperature	Cool White	4,000K			
CRI	80+				
Lifespan	15,000 h				
Construction	Die-cast aluminium				
Head swivel angle	180° vertical				
Sensor detection range/angle	12m / 180°				
Sensor time-delay adjustment	10 (±5) seconds to 4 (±1) minutes				
Sensor type	Passive Infrared (PIR)				
Sensor manual override	Yes				
Package contents	LED floodlight with mounting bracket, wall plugs, screws and power cable				
Product code		10W			LFL0110WBL
		20W			LFL0120WBL
		30W			LFL0130WBL
		40W			LFL0140WBL
		10W with PIR sensor			LFS0110WBL
		30W with PIR sensor			LFS0130WBL

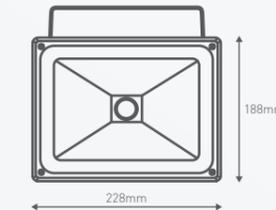
LFL0110WBL



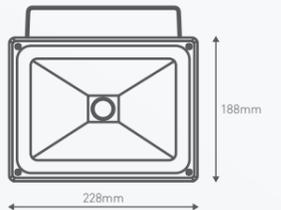
LFL0120WBL



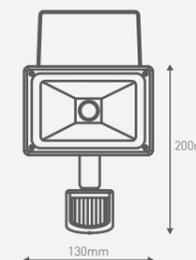
LFL0130WBL



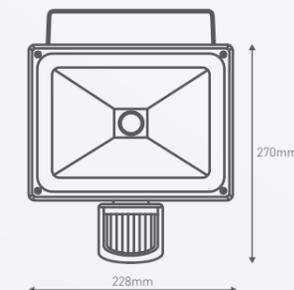
LFL0140WBL



LFS0110WBL

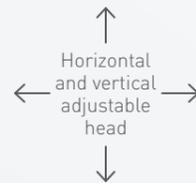


LFS0130WBL



TORAN FLOODLIGHT WITH SENSOR (16W)

Ideal for mounting under eaves or for illuminating driveways, the Toran keeps you safe with style. Equipped with a motion sensor for energy saving and an adjustable head which enables 180° flexibility.

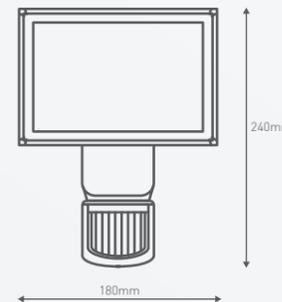


Main applications

Ideal for driveways, secluded walkways, front and back porches

Power	16W	
Lumen output	Cool White	1,700 lm
Efficacy	Cool White	106 lm/W
Colour temperature	Cool White	4,000K
CRI	80+	
Lifespan	30,000 h	
Head swivel angle	90° vertical / 120° horizontal	
Sensor detection range/angle	12m / 180°	
Sensor time-delay adjustment	10 (±5) seconds to 4 (±1) minutes	
Sensor type	Passive Infrared (PIR)	
Sensor manual override	Yes	
Construction	UV resistant polycarbonate with aluminium heat sink	
Package contents	16W LED floodlight with sensor, wall plugs and screws	
Product code	Black Finish Cool White Light	LFS0316WBL

BEAM ANGLE 100°

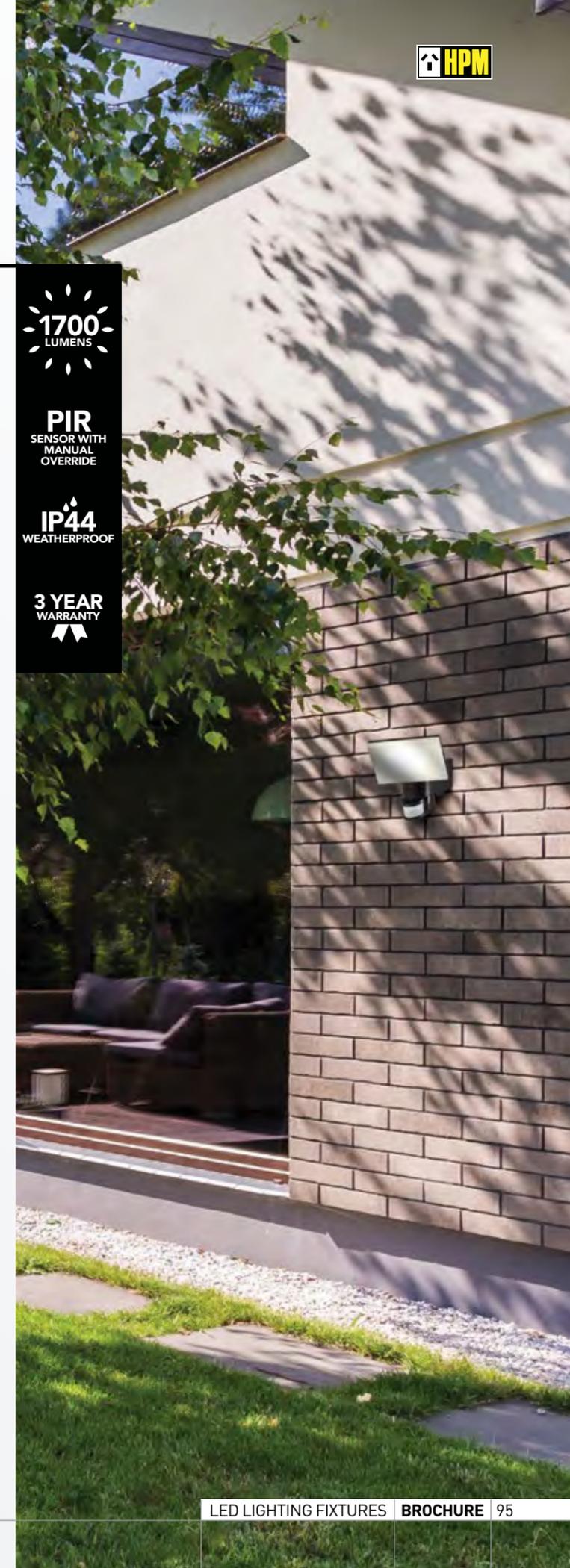


1700 LUMENS

PIR
SENSOR WITH
MANUAL
OVERRIDE

IP44
WEATHERPROOF

3 YEAR
WARRANTY



MAXIS FLOODLIGHT (9W)

The Maxis provides added security to outdoor areas with an integrated PIR motion sensor that lights up automatically when movement is detected.

↑
Horizontal
and vertical
adjustable
head up to 90°
← →
↓

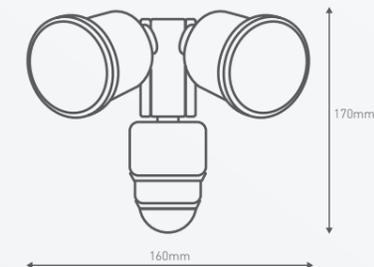


Main applications

Ideal for driveways, secluded walkways, front and back porches

Power	9W	
Lumen output	Cool White	900 lm
Efficacy	Cool White	100 lm/W
Colour temperature	Cool White	4,000K
CRI	80+	
Lifespan	25,000 h	
Head swivel angle	90° vertical and horizontal	
Sensor detection range/angle	8m / 130°	
Sensor time-delay adjustment	10 (±5) seconds to 4 (±1) minutes	
Sensor type	Passive Infrared (PIR)	
Construction	UV resistant polycarbonate	
Package contents	9W LED floodlight with sensor, wall plugs and screws	
Product code	Black Finish Cool White Light	LSS0209WBL

BEAM
ANGLE 120°



900
LUMENS

ADJUSTABLE
TIME-DELAY
& LUX LEVEL

IP44
WEATHERPROOF

3 YEAR
WARRANTY



BAKRA FLOODLIGHT (11W)

Illuminate your outdoor space with the Bakra. The functional design casts a wide spread of light making outdoor spaces brighter and safer.



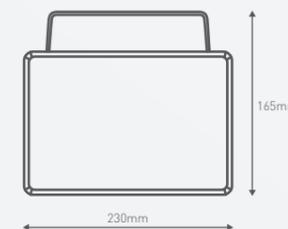
Main applications

Ideal for driveways, secluded walkways, front and back porches

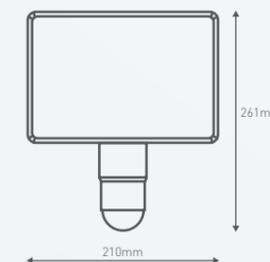
Power	11W	
Lumen output	Cool White	1,100 lm
Efficacy	Cool White	100 lm/W
Colour temperature	Cool White	4,000K
CRI	80+	
Head swivel angle	180° vertical (No sensor) 90° vertical (Sensor)	
Lifespan	15,000 h (No sensor) 30,000 h (Sensor)	
Construction	UV Resistant ABS Plastic aluminium heat sink	
Sensor detection range/angle	8m / 130°	
Sensor time-delay adjustment	10 (±5) seconds to 4 (±1) minutes	
Sensor type	Passive Infrared (PIR)	
Sensor manual override	No	
Package contents	LED floodlight with mounting brackets, wall plugs and screws	
Product code	Black Finish 11W	LFL0213WBL
	11W with PIR sensor	LFS0214WBL

BEAM ANGLE 105°

LFS0214WBL



LFL0213WBL

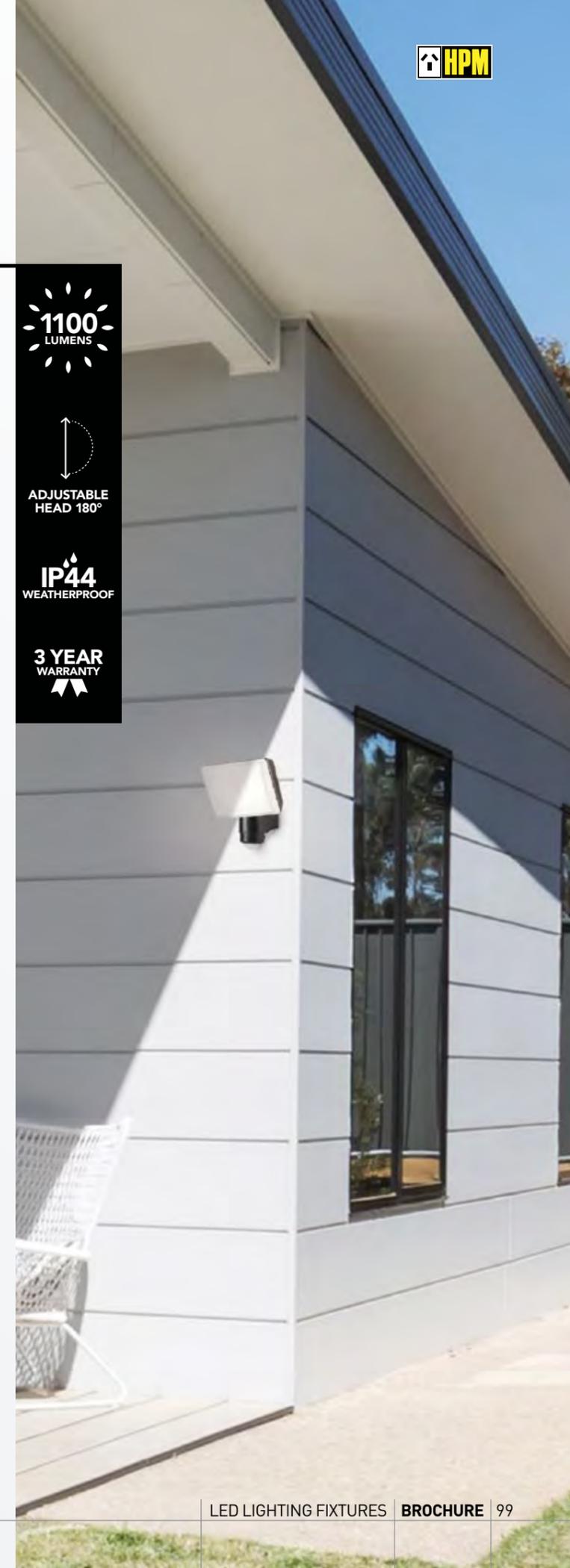


1100 LUMENS

ADJUSTABLE HEAD 180°

IP44 WEATHERPROOF

3 YEAR WARRANTY



DIMMER COMPATIBILITY



LED FIXTURE RANGE	DIMMER TYPE	DIMMERS COMPATIBILITY	MAXIMUM LIGHTS PER DIMMER	DIMMING RANGE
DLI70 Downlights	Trailing edge only	400A3P	16	100%-1%
		400A2P	16	89%-7%
		250T	11	100%-7%
		400T	16	94%-8%
		700T	28	100%-15%
		1000T	40	100%-18%
AZA+ Downlights DLI90, DLI110, DLI125 & DLI150 Downlights	Trailing edge only	400A3P	12	100%-1%
		400A2P	12	97%-9%
		250T	8	100%-7%
		400T	12	100%-7%
		700T	21	100%-13%
Dalia Downlights Azalea Downlights Freesia Downlights Luna Panel Lights Calla Step Lights Zinnia Starlights	Trailing edge & leading edge	400A3P	8	100%-5%
		400A2P	8	100%-10%
		250T / 250L	5	100%-10%
		400T / 400L	8	100%-10%
		700T / 700L	14	100%-25%
		1000T / 1000L	20	100%-25%
DLS Downlights	Trailing edge only	400A3P	8	100%-10%
		400A2P	8	100%-10%
		250T	5	100%-10%
		400T	8	100%-10%
		700T	14	100%-25%
		1000T	20	100%-25%

Note: Not all LED lights are dimmable, refer to product details to confirm suitability for dimming.



LEGRAND EXCEL LIFE™



EM400A3P (3 wire)
EM400A2P (2 wire)
Excel Life 400VA all load 2 & 3 wire electronic push-button dimmer mechanism
White: EM400A3PWE
EM400A2PWE
Urban Grey: EM400A3PUG
EM400A2PUG



EM250T*
Excel Life 250VA 2 wire trailing edge rotary dimmer mechanism
White: EM250TRWE
Urban Grey: EM250TRUG



EM400T*
Excel Life 400VA 2 wire trailing edge rotary dimmer mechanism
White: EM400TRWE
Urban Grey: EM400TRUG



LEGRAND ARTEOR™



AR400A3P (3 wire)
AR400A2P (2 wire)
Arteor 400VA all load 2 & 3 wire push-button dimmer mechanism
White: AR400A3PMWE
AR400A2PMWE
Magnesium:
AR400A3PMMGN
AR400A2PMMGN



AR400T / AR400L*
Arteor 400VA 2 wire rotary dimmer mechanism
White: AR400TMWE
AR400LMWE
Magnesium: AR400TMMGN
AR400LMMGN



HPM LINEA™ AND EXCEL



400A2P (2 wire)
Excel or Linea and 400VA (2 wire) electronic push-button dimmer mechanism
White: 400A2PWE



250T / 250L*
Excel or Linea 250VA 2 wire rotary dimmer mechanism
White: 250LMWE 250TMWE
Also available in black & cream



400T / 400L*
Excel or Linea 400VA 2 wire rotary dimmer mechanism
White: 400TMWE 400LMWE
Also available in black & cream



700T / 700L*
Excel or Linea 700VA 2 wire rotary dimmer mechanism
White: 700TMWE 700LMWE



1000T / 1000L*
Excel or Linea 1000VA 2 wire rotary dimmer mechanism
White: 1000TMWE 1000LMWE



VIVO™



EVM400A3* (3 wire)
EVM400A2* (2 wire)
VIVO 400VA all load 2 & 3 wire electronic push button dimmer mechanism
White: EVM400A3WE,
EVM400A2WE
Grey: EVM400A3GR,
EVM400A2GR

*T = Trailing Edge, L = Leading Edge

ACCESSORIES

DOWNLIGHT EXTENSION PLATES

Cat No.	Image	Description
LEP120WE		Suitable for hole cut-outs up to Ø120mm
LEP150WE		Suitable for hole cut-outs up to Ø150mm

Suitable for: DLI90, AZA+, Dalia, Azalea, and DLS series

LIGHTING SENSORS

Passive infrared (PIR) sensor

Sensitive to a person's skin temperature through emitted body radiation, in contrast to background objects at room temperature. HPM range of sensors is suitable for both indoor and outdoor for various locations throughout the house including corridors, wardrobes, secluded walkways and garages.

Whether used for extra safety around the house or for convenience indoors, these deliver great energy savings all year round.

Cat No.	Image	Description	Finish	Manual override	IP Rating	Application	Mounting type	Detection range	Detection angle	Time delay
630S01BL		180° PIR Sensor	Black	No	IP44	Indoor/Outdoor	Wall Surface Mounted	12m	180°	8s to 7min
630S01WE		180° PIR Sensor	White	No	IP44	Indoor/Outdoor	Wall Surface Mounted	12m	180°	8s to 7min
630SM01BL		180° PIR Sensor	Black	Yes	IP44	Indoor/Outdoor	Wall Surface Mounted	12m	180°	8s to 7min
630SM01WE		180° PIR Sensor	White	Yes	IP44	Indoor/Outdoor	Wall Surface Mounted	12m	180°	8s to 7min
630S02WE		360° PIR Sensor	White	No	IP20	Indoor	Ceiling Surface mounted	8m	360°	10s to 10min
630R02WE		360° PIR Sensor	White	No	IP41	Indoor	Ceiling Surface mounted	8m	360°	10s to 10min
630R01WE		360° PIR Sensor	White	No	IP20	Indoor	Ceiling surface mounted	6m	360°	10s to 15min
488TRI3W		Triscan 3-Wire Pir Sensor	White	Yes	IP66	Outdoor	Wall Surface Mounted	8m	120°	8s to 15min

INDEX OF PROTECTION

1. Protection against solid bodies and liquids: IP index of protection

Degrees of protection for enclosures of electrical equipment according to standards: IEC 60529, BS EN 60529 and NF EN 60529

First digit:

Protection against solid bodies (See AS 1939, Clause 5)

IP	Tests	IP
0	No protection	
1	Protected against solid bodies larger than 50 mm (e.g. accidental contact with the hand)	A
2	Protected against solid bodies larger than 12.5 mm (e.g. finger)	B
3	Protected against solid bodies larger than 2.5 mm (e.g. tools, wires)	C
4	Protected against solid bodies larger than 1 mm (e.g. fine tools and small wires)	
5	Protected against dust (no harmful deposit)	D
6	Completely protected against dust	

Second digit:

Protection of equipment against ingress of harmful liquids (See AS 1939, Clause 6)

IP	Tests	IP
0	No protection	
1	Protected against vertically-falling drops of water (condensation)	
2	Protected against drops of water falling at up to 15° from the vertical	
3	Protected against drops of rain water at up to 60° from the vertical	
4	Protected against projections of water from all directions	
5	Protected against jets of water (from all directions)	
6	Protected against jets of water of similar force to heavy seas	
7	Protected against the effects of immersion	
8	Protected against prolonged effects of immersion	

2. Protection IK, against mechanical impact.

According to standards: IEC 62262, BS EN 62262 and NF EN 62262

IK	Tests	Impact energy (in Joules)
IK 00		0
IK 01	0.2 kg, 75 mm	0.15
IK 02	0.2 kg, 100 mm	0.2
IK 03	0.2 kg, 175 mm	0.35
IK 04	0.2 kg, 250 mm	0.5
IK 05	0.2 kg, 350 mm	0.7

IK	Tests	Impact energy (in Joules)
IK 06	0.5 kg, 200 mm	1
IK 07	0.5 kg, 400 mm	2
IK 08	1.7 kg, 295 mm	5
IK 09	5 kg, 200 mm	10
IK 10	5 kg, 400 mm	20

• This table can be used to ascertain the resistance of a product to an impact given in Joules from the IK code (graduated from 00 to 10)



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