

FLEX



LED FLOODLIGHTING

Product Features

- Suitable for security & general outdoor lighting applications
- Industrial design embedding user convenience and flexibility
- High-level for ease of installation & low maintenance fit and forget applications
- Cast metal casing with high quality grained anodised paint finish; environmentally protected against UV
- Quality, long life Epistar LEDs & polished reflector for maximum light output
- Proven provider of switchmode power supplies to support in-house LED driver technology
- Designed to provide applications long product life cycle and high energy saving capabilities
- Optional integral & external PIR's available with motion detector & automatic day/night sensor functionality
- 36 months warranty for approved installations
- 50,000 hr life time

FLEX 10W Floodlights

Model	• FLEX-10C	• FLEX-10W
Lumen Output (lm)	≥700	≥700
Input Voltage	85-265VAC 47/63Hz	85-265VAC 47/63Hz
Power Consumption (W)	10W	10W
Efficacy (lm/W)	≥70	≥70
Power Factor	≥0.98	≥0.98
CRI (Ra)	70	70
Dimensions (LxWxDmm)	178 x 169 x 50	178 x 169 x 50
Weights (kg)	1.15	1.15
Angle (°)	120	120
IP	IP65	IP65
CCT (K)	6000-7000K	2900-3200K

FLEX 30W Floodlights

Model	• FLEX-30C	• FLEX-30W
Lumen Output (lm)	≥2,400	≥2,400
Input Voltage	85-265VAC 47/63Hz	85-265VAC 47/63Hz
Power Consumption (W)	30W	30W
Efficacy (lm/W)	≥77	≥77
Power Factor	≥0.98	≥0.98
CRI (Ra)	80	80
Dimensions (LxWxDmm)	294 x 240 x 80	294 x 240 x 80
Weights (kg)	2.0	2.0
Angle (°)	120	120
IP	IP65	IP65
CCT (K)	6000-7000K	2900-3200K

FLEX 50W Floodlights

Model	• FLEX-50C	• FLEX-50W
Lumen Output (lm)	≥3,500	≥3,500
Input Voltage	85-265VAC 47/63Hz	85-265VAC 47/63Hz
Power Consumption (W)	50W	50W
Efficacy (lm/W)	≥70	≥70
Power Factor	≥0.98	≥0.98
CRI (Ra)	80	80
Dimensions (LxWxDmm)	358 x 332 x 100	358 x 332 x 100
Weights (kg)	3.4	3.4
Angle (°)	120	120
IP	IP65	IP65
CCT (K)	6000-7000K	2900-3200K

FLEX 80W Floodlights

Model	• FLEX-80CS	• FLEX-80WS
Lumen Output (lm)	≥6,160	≥6,160
Input Voltage	85-265VAC 47/63Hz	85-265VAC 47/63Hz
Power Consumption (W)	80W	80W
Efficacy (lm/W)	≥77	≥77
Power Factor	≥0.92	≥0.92
CRI (Ra)	80	80
Dimensions (LxWxDmm)	358 x 332 x 100	358 x 332 x 100
Weights (kg)	8.0	8.0
Angle (°)	120	120
IP	IP65	IP65
CCT (K)	6000-7000K	2900-3200K

FLEX 100W Floodlights

Model	• FLEX-100C	• FLEX-100W
Lumen Output (lm)	≥7,700	≥7,700
Input Voltage	85-265VAC 47/63Hz	85-265VAC 47/63Hz
Power Consumption (W)	100W	100W
Efficacy (lm/W)	≥77	≥77
Power Factor	≥0.98	≥0.98
CRI (Ra)	80	80
Dimensions (LxWxDmm)	421 x 383 x 126	421 x 383 x 126
Weights (kg)	8.0	8.0
Angle (°)	120	120
IP	IP65	IP65
CCT (K)	6000-7000K	2900-3200K

FLEX 120W Floodlights

Model	• FLEX-120C	• FLEX-120W
Lumen Output (lm)	≥9,240	≥9,240
Input Voltage	85-265VAC 47/63Hz	85-265VAC 47/63Hz
Power Consumption (W)	120W±%	120W
Efficacy (lm/W)	≥77	≥77
Power Factor	≥0.98	≥0.98
CRI (Ra)	80	80
Dimensions (LxWxDmm)	421 x 383 x 126	421 x 383 x 126
Weights (kg)	8.0	8.0
Angle (°)	120	120
IP	IP65	IP65
CCT (K)	6000-7000K	2900-3200K

- Integral PIR option available
- Integral Dusk to Dawn option available
- Integral PIR with constant on facility
- Approved external PIR available

FLEX 10W Floodlights Luminance Distribution



	Center Beam LUX	Beam Width
1m	322.2 LUX	205.32cm
2m	80.55 LUX	410.63cm
3m	35.80 LUX	615.95cm
4m	20.14 LUX	821.26cm
5m	12.89 LUX	1026.58cm

Vert. Spread: 91.5

FLEX 35W Floodlights Luminance Distribution



	Center Beam LUX	Beam Width
1m	1156 LUX	188.98cm
2m	289.1 LUX	377.95cm
3m	128.5 LUX	566.93cm
4m	72.28 LUX	755.91cm
5m	46.26 LUX	944.89cm

Vert. Spread: 86.75

FLEX 50W Floodlights Luminance Distribution



	Center Beam LUX	Beam Width
1m	1980 LUX	180.44cm
2m	495.1 LUX	360.88cm
3m	220.1 LUX	541.32cm
4m	123.8 LUX	721.77cm
5m	79.22 LUX	902.21cm

Vert. Spread: 84.11

FLEX 80WS Floodlights Luminance Distribution

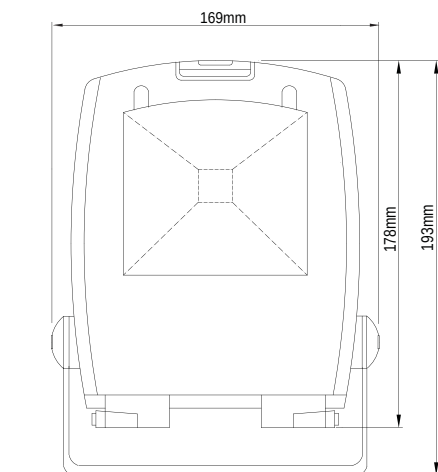


	Center Beam LUX	Beam Width
1m	2765 LUX	180.50cm
2m	691.1 LUX	361.01cm
3m	307.2 LUX	541.51cm
4m	172.8 LUX	722.02cm
5m	110.6 LUX	902.52cm

Vert. Spread: 84.13

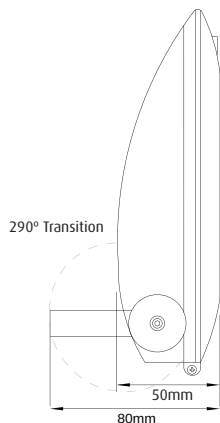
- Integral PIR option available
- Integral Dusk to Dawn option available
- Integral PIR with constant on facility
- Approved external PIR available

FLEX 10W Floodlights

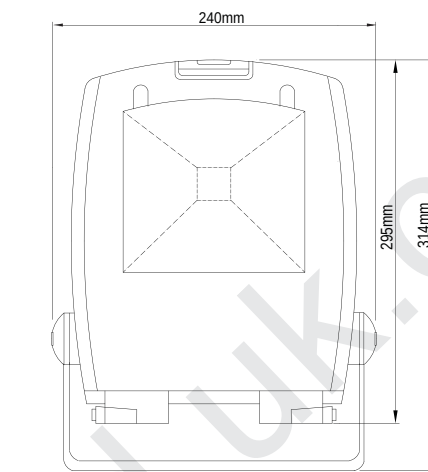


Case: 8102CH

Unit: mm

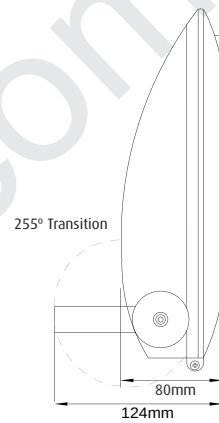


FLEX 30W Floodlights

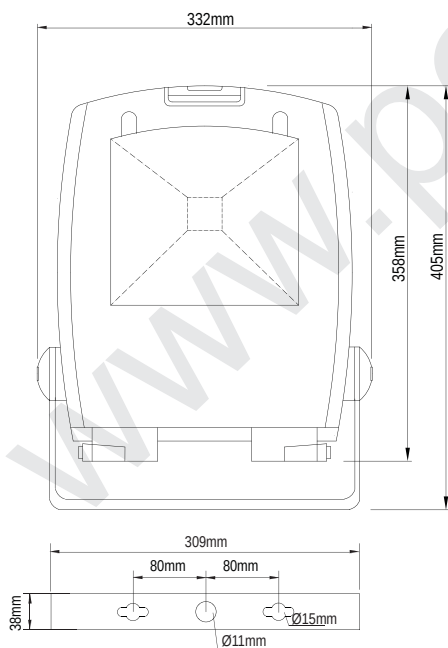


Case: 8109KR

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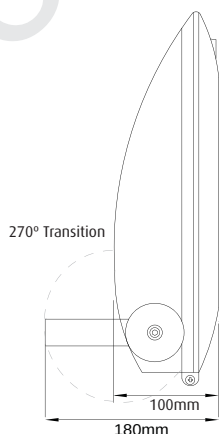


FLEX 50W & FLEX 80WS Floodlights

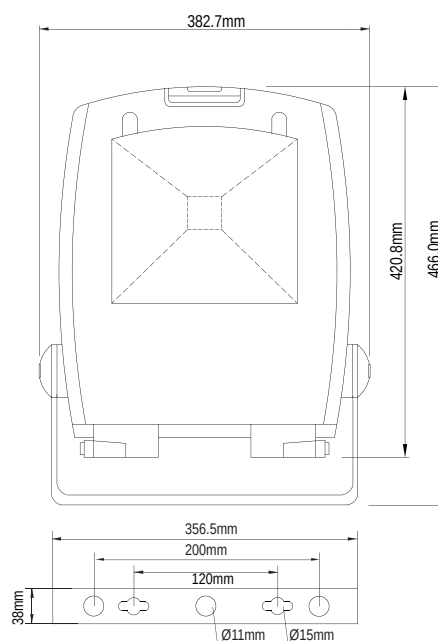


Case: 8106GC

Unit: mm

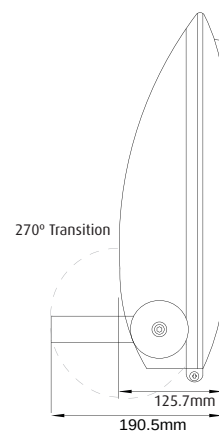


FLEX 100W & FLEX 120W Floodlights



Case: 8103DL

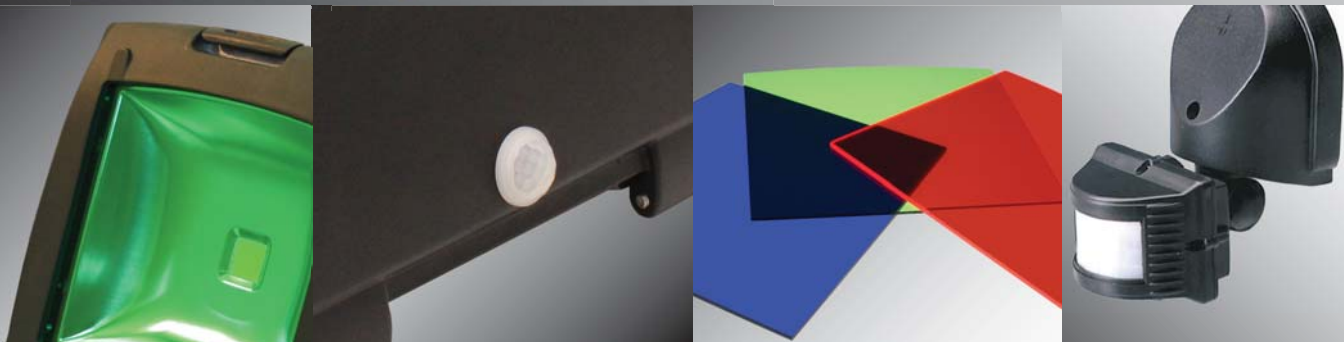
Unit: mm



- Integral PIR option available
- Integral Dusk to Dawn option available
- Integral PIR with constant on facility
- Approved external PIR available

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Optional Product Features

- Integral PIR Motion Detector
- Integral Dawn to Dusk Sensor
- Approved External PIR Motion Detector Option
- Poly carbonate lens, for applications such as food stores where glass is unacceptable (Lighting BSI/IEC 61549 Standard)



Integral PIR Motion Detector

- -PIR Suffix

Our optional integral PIR motion detector has automatic day/night identification and light sensitivity to operate your FLEX floodlight during the twilight hours. The adjustable on-time ensures the light stays illuminated to times that suit your application.

Detection Angle	100°
Detection Range	8m @22°C
Time-Delay Switch	5s, 30s, 1min, 3min, 8min
Light Control	<3 lux to 2000 lux

DIP Switches For Setting On Time

		ON	OFF
	Light Sensitivity	<10lx	always
	Movement Sensitivity	low	high
5"	On-Time	5 seconds	-
30"	On-Time	30 seconds	-
1"	On-Time	1 minute	-
3"	On-Time	3 minute	-
5"	On-Time	5 minute	-
8"	On-Time	8 minute	-

Note: only the highest selected on-time will be applicable.

Integral PIR Motion Detector with Constant ON Facility

- -PIR4 Suffix

Motion Detector functionality as per PIR above. PIR4 has a 4 core cable; to enable the constant ON function. A switch should be installed between the brown & black wires to override PIR (Floodlight will be on permanently).

Integral Dawn to Dusk Sensor

- -DD Suffix

This optional integral Dawn to Dusk sensor will ensure your FLEX floodlight automatically switches on at Dusk and off again at Dawn; lighting your outdoor space during the hours needed. The off level of this sensor is 70 lux.

Approved External PIR Motion Detector

- EXPIR

We recommend an external PIR motion detector that is suitable for use with all of our floodlights; this unit has a vertically adjustable position as well as automatic day/night identification and light sensitivity, to ensure energy saving operation of your FLEX floodlight during the twilight hours. It also has a setting to allow operation during the daytime.

Power Source	220-240Vac	Power Frequency	50-60Hz
Detection Angle	180°	Detection Range	12m @24°C
Working Temperature	-20°C to +40°C	Working Humidity	< 93% RH
Light Control	<3 lux to Daylight	Activation Duration	min. 8 sec ±3sec./max. 7 min. ±2min
Installation Height	0.5m to 3.5m	Motion Speed Detection Range	0.6 ~ 1.5m/s
Rated Load	1200W (220-240Vac)	Power Consumption	0.45W (standby 0.1W)



Optional Lens'

• -PCL Suffix

The same great FLEX LED Floodlight but with a shatter proof clear Polycarbonate Lens, for applications where our standard glass version would not be suitable, such as food or crop storage; complies with lighting BSI/IEC 61549 Standard. These impact resistant lens' are available for 30W, 50W, 80W, 100W & 120W FLEX floodlights.

• Colour Lens

PCL00-B	Blue Poly carbonate	00 = 30W, 50W, 80W, 100W & 120W
PCL00-G	Green Poly carbonate	00 = 30W, 50W, 80W, 100W & 120W
PCL00-R	Red Poly carbonate	00 = 30W, 50W, 80W, 100W & 120W
PCL00	Clear Poly carbonate	00 = 30W, 50W, 80W, 100W & 120W

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