# Outdoor LED Lighting - Flex Floodlight

Led floodlights have a wide ranging application area from security lighting through to forecourt lighting in domestic, commercial and industrial environments. LED floodlights are ideal for outdoor applications as they are energy saving, provide improved quality of light, and have a longer lifespan than conventional lighting technologies therefore providing considerable savings in maintenance costs.
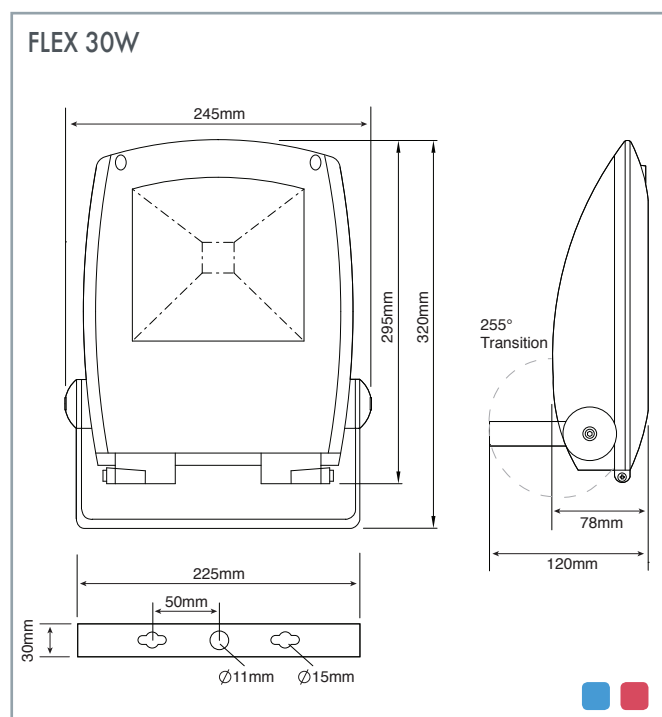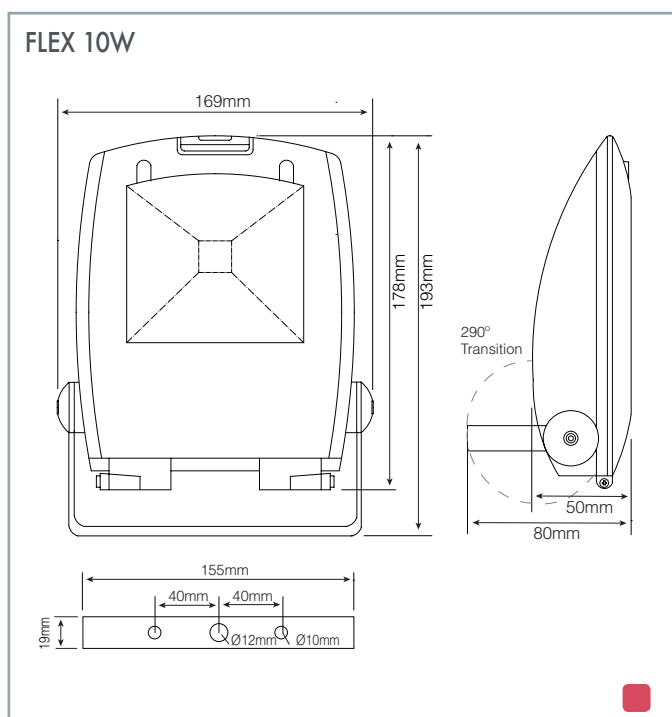
Product Features

★ Suitable for security & general outdoor lighting applications

★ Industrial design embedding user convenience and flexibility

★ Ideal to fit at high-level with 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 switch-mode power supplies to support in-house LED driver technology

★ Designed to provide long product life cycle and high energy saving capabilities

★ Optional external PIR available with motion detector & automatic day/night sensor functionality

★ 36 months warranty for approved installations

★ 50,000 hr life time
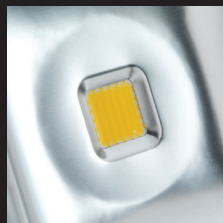
Flex 10W & 30W Floodlights

Part Code	FLEX-10C	FLEX-10W	FLEX-30C	FLEX-30W
Lumen Output	700lm	700lm	2400lm	2400lm
Input Voltage	85 ~ 265VAC	85 ~ 265VAC	100 ~ 240VAC	100 ~ 240VAC
Input Frequency	47/63Hz	47/63Hz	47/63Hz	47/63Hz
Power Consumption	10W	10W	30W	30W
Power Factor	>0.98	>0.98	>0.98	>0.98
CRI	70	70	80	80
Efficiacy	70lm/W	70lm/W	80lm/W	80lm/W
IP	IP65	IP65	IP65	IP65
Beam Angle	120°	120°	90°	90°
CCT	6000 ~ 7000K	2900 ~ 3200K	6000 ~ 7000K	2900 ~ 3200K
Dimensions	178 x 169 x 50mm	178 x 169 x 50mm	245 x 295 x 78mm	245 x 295 x 78mm

FLEX 10W

169mm
178mm
193mm
290° Transition
50mm
80mm
155mm
40mm 40mm
19mm
Ø12mm Ø10mm

FLEX 30W

245mm
295mm
320mm
255° Transition
78mm
120mm
225mm
50mm
30mm
Ø11mm Ø15mm

New accessory for the Flex Flood Light

PIR700
Sensor

See page 100 for more information.

This range of Flex LED floodlights is suitable for use in domestic, commercial and industrial lighting applications including security lighting, general exterior lighting and high level low maintenance fit and forget applications.
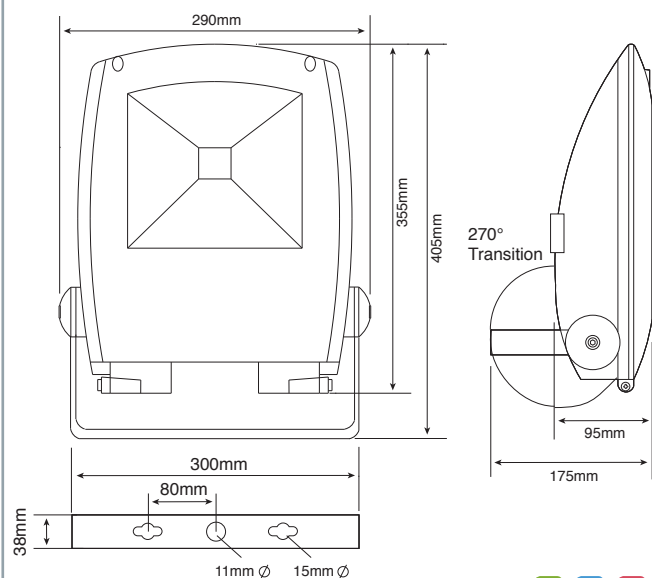
Optional Features Key

■ Integral Dusk to Dawn option available

■ Approved external PIR available (PIR700B)
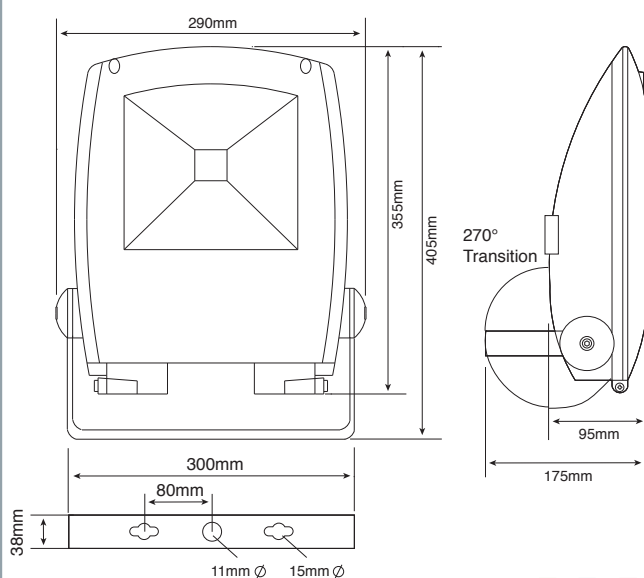
Flex 50W & 80W Floodlights

Part Code	FLEX-50C	FLEX-50W	FLEX-80CS	FLEX-80WS
Lumen Output	3600lm	3600lm	6500lm	6500lm
Input Voltage	100 ~ 240VAC	100 ~ 240VAC	90 ~ 305VAC	90 ~ 305VAC
Input Frequency	47/63Hz	47/63Hz	47/63Hz	47/63Hz
Power Consumption	50W	50W	80W	80W
Power Factor	>0.98	>0.98	>0.92	>0.92
CRI	80	80	80	80
Efficiacy	72lm/W	72lm/W	81lm/W	81lm/W
IP	IP65	IP65	IP65	IP65
Beam Angle	90°	90°	90°	90°
CCT	6000 ~ 7000K	3000 ~ 3500K	6000 ~ 7000K	2900 ~ 3200K
Dimensions	330 x 355 x 104mm	330 x 355 x 104mm	330 x 355 x 104mm	330 x 355 x 104mm

FLEX 50W

290mm
355mm
405mm
270°
Transition
95mm
300mm
175mm
80mm
38mm
11mm Ø
15mm Ø

FLEX 80W

290mm
355mm
405mm
270°
Transition
95mm
300mm
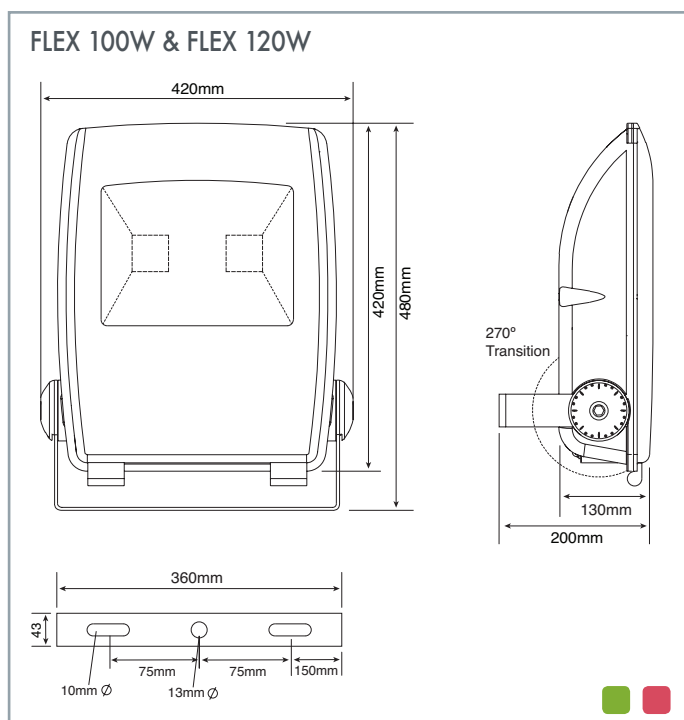175mm
80mm
38mm
11mm Ø
15mm Ø

With Flex, you're investing in a new level of build quality, world class components and reliability. These products have been precision engineered to deliver the lowest cost and highest efficiency solution you can demand as a real professional.

Flex 100W & 120W Floodlights

Part Code	FLEX-100C	FLEX-100W	FLEX-120C	FLEX-120W
Lumen Output	7700lm	7700lm	9240lm	9240lm
Input Voltage	90 ~ 264VAC	90 ~ 264VAC	90 ~ 264VAC	90 ~ 264VAC
Input Frequency	47/63Hz	47/63Hz	47/63Hz	47/63Hz
Power Consumption	100W	100W	120W	120W
Power Factor	>0.98	>0.98	>0.98	>0.98
CRI	80	80	80	80
Efficiacy	77lm/W	77lm/W	77lm/W	77lm/W
IP	IP65	IP65	IP65	IP65
Beam Angle	90°	90°	90°	90°
CCT	6000 ~ 7000K	2900 ~ 3200K	6000 ~ 7000K	2900 ~ 3200K
Dimensions	420 x 420 x 130mm	420 x 420 x 130mm	420 x 420 x 130mm	420 x 420 x 130mm

FLEX 100W & FLEX 120W

420mm

420mm
480mm

270° Transition

130mm
200mm

360mm

43

75mm   75mm   150mm

10mm Ø   13mm Ø

Optional Features Key

● Integral Dusk to Dawn option available

● Approved external PIR available

Flex 200W & 240W Floodlights

Part Code	FLEX-200C	FLEX-200W	FLEX-240C	FLEX-240W
Lumen Output	18000lm	18000lm	20500lm	20500lm
Input Voltage	180 ~ 265VAC	180 ~ 265VAC	90 ~ 305VAC	90 ~ 305VAC
Input Frequency	47/63Hz	47/63Hz	47/63Hz	47/63Hz
Power Consumption	200W	200W	240W	240W
Power Factor	>0.96	>0.96	>0.97	>0.97
CRI	80	80	80	80
Efficiacy	>85lm/W	>85lm/W	>83lm/W	>83lm/W
IP	IP65	IP65	IP65	IP65
Beam Angle	120°	120°	120°	120°
CCT	6000 ~ 7000K	2900 ~ 3200K	6000 ~ 7000K	3000 ~ 4000K
Dimensions	515 x 467 x 150mm	515 x 467 x 150mm	515 x 467 x 150mm	515 x 467 x 150mm

FLEX 200W & FLEX 240W

467mm

515mm
620mm

270°
Transition

150mm
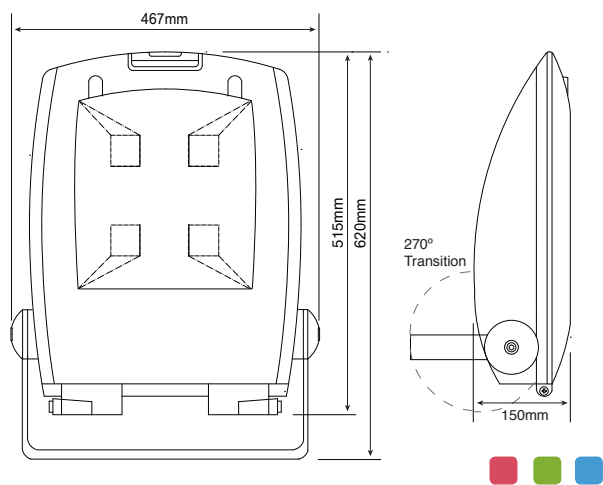
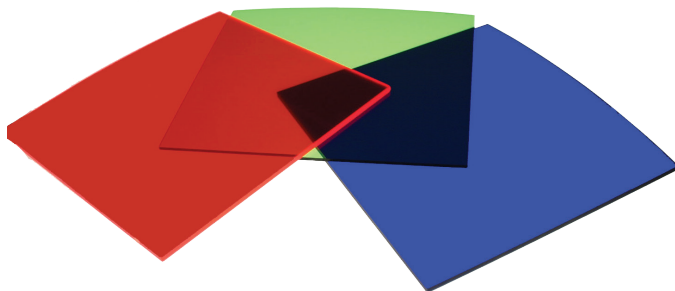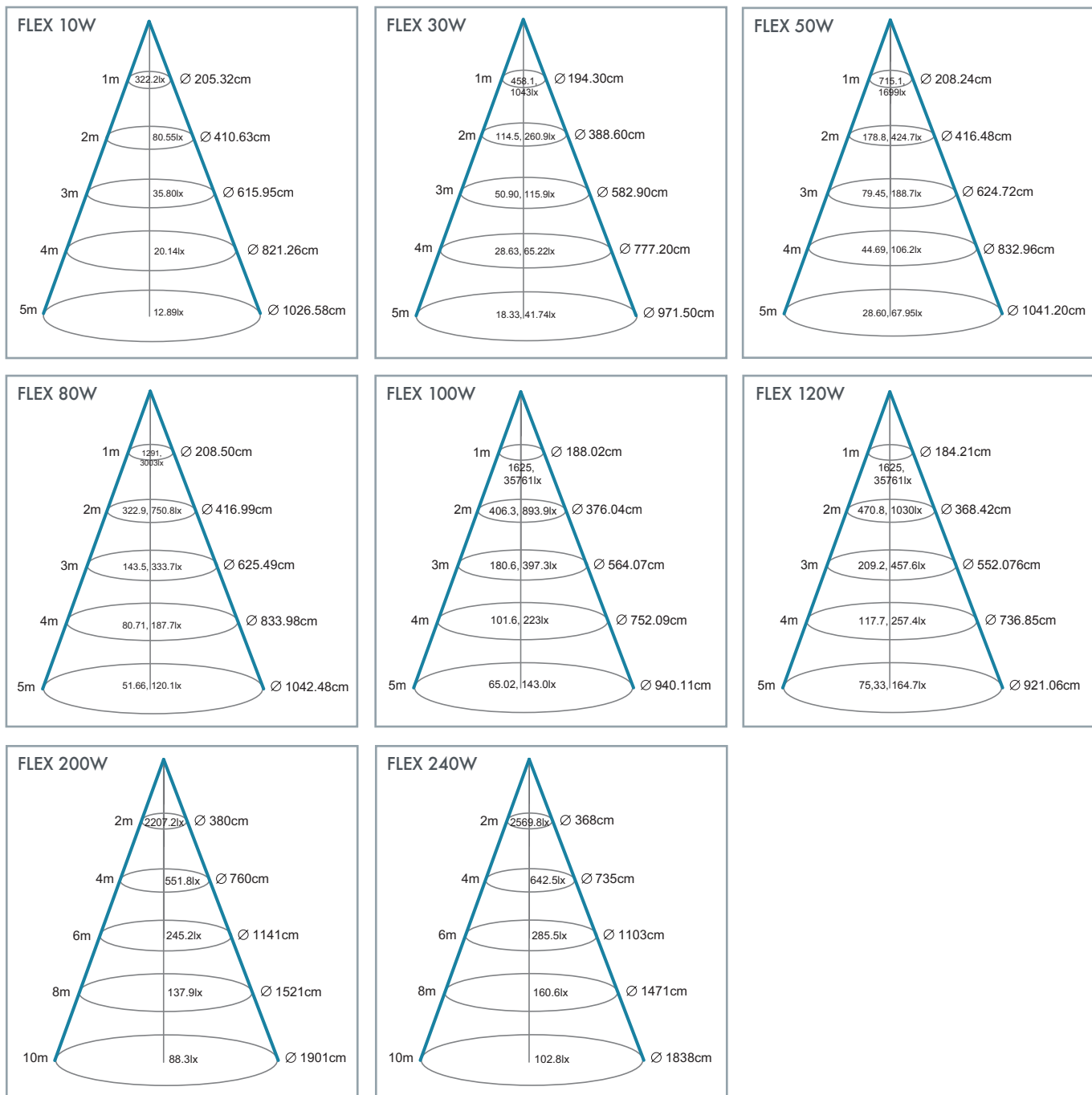## Optional Lens'

This FLEX LED Floodlight is also available with shatter proof Clear Poly carbonate and Perspex Lens' for applications where our standard glass version would not be suitable, such as food or crop storage; and are available for 30W, 50W, 80W, 100W, 120W, 200W & 240W FLEX floodlights.
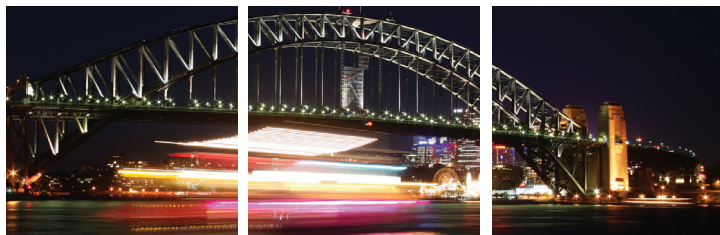
Flex Floodlight Luminance Distribution

FLEX 10W

Height	Lux	Diameter
1m	322.2lx	Ø 205.32cm
2m	80.55lx	Ø 410.63cm
3m	35.80lx	Ø 615.95cm
4m	20.14lx	Ø 821.26cm
5m	12.89lx	Ø 1026.58cm

FLEX 30W

Height	Lux	Diameter
1m	458.1, 1043lx	Ø 194.30cm
2m	114.5, 260.9lx	Ø 388.60cm
3m	50.90, 115.9lx	Ø 582.90cm
4m	28.63, 65.22lx	Ø 777.20cm
5m	18.33, 41.74lx	Ø 971.50cm

FLEX 50W

Height	Lux	Diameter
1m	715.1, 1699lx	Ø 208.24cm
2m	178.8, 424.7lx	Ø 416.48cm
3m	79.45, 188.7lx	Ø 624.72cm
4m	44.69, 106.2lx	Ø 832.96cm
5m	28.60, 67.95lx	Ø 1041.20cm

FLEX 80W

Height	Lux	Diameter
1m	1291, 3003lx	Ø 208.50cm
2m	322.9, 750.8lx	Ø 416.99cm
3m	143.5, 333.7lx	Ø 625.49cm
4m	80.71, 187.7lx	Ø 833.98cm
5m	51.66, 120.1lx	Ø 1042.48cm

FLEX 100W

Height	Lux	Diameter
1m	1625, 35761lx	Ø 188.02cm
2m	406.3, 893.9lx	Ø 376.04cm
3m	180.6, 397.3lx	Ø 564.07cm
4m	101.6, 223lx	Ø 752.09cm
5m	65.02, 143.0lx	Ø 940.11cm

FLEX 120W

Height	Lux	Diameter
1m	1625, 35761lx	Ø 184.21cm
2m	470.8, 1030lx	Ø 368.42cm
3m	209.2, 457.6lx	Ø 552.076cm
4m	117.7, 257.4lx	Ø 736.85cm
5m	75,33, 164.7lx	Ø 921.06cm

FLEX 200W

Height	Lux	Diameter
2m	2207.2lx	Ø 380cm
4m	551.8lx	Ø 760cm
6m	245.2lx	Ø 1141cm
8m	137.9lx	Ø 1521cm
10m	88.3lx	Ø 1901cm

FLEX 240W

Height	Lux	Diameter
2m	2569.8lx	Ø 368cm
4m	642.5lx	Ø 735cm
6m	285.5lx	Ø 1103cm
8m	160.6lx	Ø 1471cm
10m	102.8lx	Ø 1838cm

Optional Features Key

- 🔵 Integral Dusk to Dawn option available
- 🔴 Approved external PIR available
- 🟢 Special Colour Tint Powder Coat Finishes

DIP Switches for Setting On Time

	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 minutes	-
5"	On-Time	5 minutes	-
8"	On-Time	8 minutes	-

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

For 'Constant On Function' a switch should be installed between the brown and the grey wires to override PIR (Floodlight will be on permanently).

DD Suffix - Integral Dusk to Dawn Sensor

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

Optional Product Features

★ Integral Dusk to Dawn Sensor

★ Approved External PIR Motion Detector Option

★ Shatter proof polycarbonate lens for applications such as food stores where glass is unacceptable (Lighting BSI/IEC 61549 Standard)

★ New accessory ~ The PIR700B outdoor PIR Sensor will compliment your FLEX Floodlight installation

PCL Suffix - Optional Lens

The same great Flex LED FLoodlight with a shatter proof Clear Poly carbonate Lens for applications where our standard glass version would not be suitable, such as food or crop storage; and are available for 35W, 50W, 80W, 100W, 120W, 200W & 240W FLEX floodlights. Colour perspex lens' offer a constant translucent colour.

Colour Lens

PCL00-B	Blue Perspex	00=10W, 30W, 50W, 80W, 100W & 120W
PCL00-G	Green Perspex	00=10W, 30W, 50W, 80W, 100W & 120W
PCL00R	Red Perspex	00=10W, 30W, 50W, 80W, 100W & 120W
PCL00	Clear Poly Carbonate	00=10W, 30W, 50W, 80W, 100W & 120W
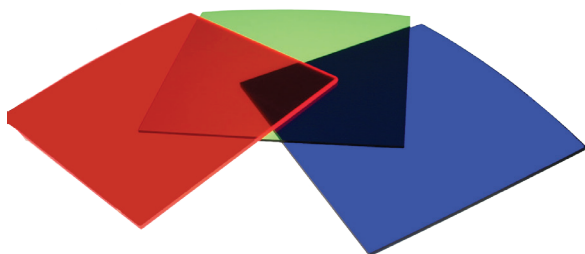
Special Colour Tint Powder Coat Finishes

The Flex range is also available in a range of colour powder coat finishes; and are available for the 50W, 80W, 100W, 120W, 200W & 240W.

RAL 9016M	Traffic White
RAL 7016M	Anthracite Grey
RAL 6005M	Moss Green
BS 08 B 29M	Vandyke Brown

Other special colours are available on request.

Optional Features Key

- ■ Integral Dusk to Dawn option available
- ■ Approved external PIR available
- ■ Special Colour Tint Powder Coat Finishes

New accessory for the Flex FLoodlight

PIR700
Sensor for LED lighting

See page 100 for more information.