Combination Light Pattern

Some IONNIC LED Worklamps combined both spot and flood light patterns in one unit.

This allowed users to switch between spot light for a refined long range beam, and flood light for illuminating large areas.
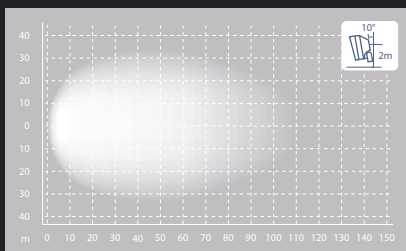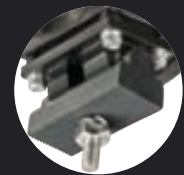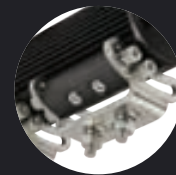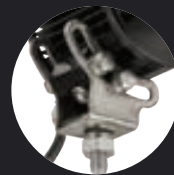
They can also be turn on at the same time as combination beam to have the best of both worlds.
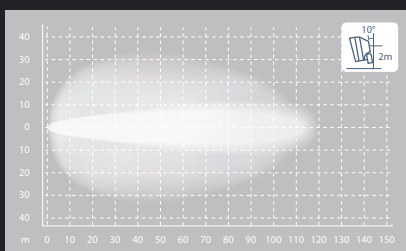
Heavy Duty Mounts

The 200 & 400 series IONNIC LED worklamps are supplied with vibration dampening mounts as standard.

These heavy duty mounting systems absorb vibration & shocks preventing damage to the worklamp and prolonging bulb life.

Flood Light Pattern

Combination Light Pattern

IONNIC LED

IONNIC LED

- Stainless steel mounting bracket.
- Long life LEDs.
- Stainless steel cable gland.
- Even light pattern without hotspots.
- Impact resistant lens.
- Environmentally sealed aluminium body.
- Multi-voltage.
- 2 year warranty.

Lumen Output :	1,170lm
Operational Voltage :	10–30V
Input Current :	0.9A @ 13.8V
LED Lifetime :	50,000 Hrs
Connector :	Deutsch 2 Pin on 200mm Fly Lead
Mount :	Single Bolt M10
Lens :	Polycarbonate
Body :	Aluminium
Bracket :	Stainless Steel
Weight :	0.6kg
Ingress Protection :	IP67
Operating Temperature :	-40°C to 85°C
Colour Temperature :	6500K
Light Source :	6 x Cree® 3 Watt LEDs

10V 30V **IP67** **5Yrs**

Stainless steel cable gland

Heavy duty stainless steel bracket

99mm 64mm 107mm

204 LED – Flood

Part No.	Operational Voltage
98-204**F**	10–30

10°
2m

40 30 20 10 0 10 20 30 40
m 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

204 LED – Spot

Part No.	Operational Voltage
98-204**S**	10–30

0°
2m

40 30 20 10 0 10 20 30 40
m 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

IONNIC

- Heavy duty stainless steel mounting bracket.
- Long life LEDs.
- Stainless steel cable gland.
- Even light pattern without hotspots.
- Impact resistant lens.
- Environmentally sealed aluminium body.
- Multi-voltage.
- 2 year warranty.

Lumen Output :	4,680lm
Operational Voltage :	10–30V
Input Current :	4.1A @ 13.8V
LED Lifetime :	50,000 Hrs
Connector :	Deutsch 2 Pin on 200mm Fly Lead
Mount :	2 x M10
Lens :	Polycarbonate
Body :	Aluminium
Bracket :	Stainless Steel
Weight :	2.3kg
Ingress Protection :	IP67
Operating Temperature :	-40°C to 85°C
Colour Temperature :	6500K
Light Source :	24 x Cree® 3 Watt LEDs

10V 30V IP67 5Yrs

315mm

64mm

107mm

40mm

Stainless steel
cable gland

Heavy duty
stainless
steel bracket

Deutsch connector

212 LED – Spot

Part No.	Operational Voltage
98-212**S**	10–30

0°
2m

40
20
0
20
40

m   0   20   40   60   80   100   140   190   250   330   450
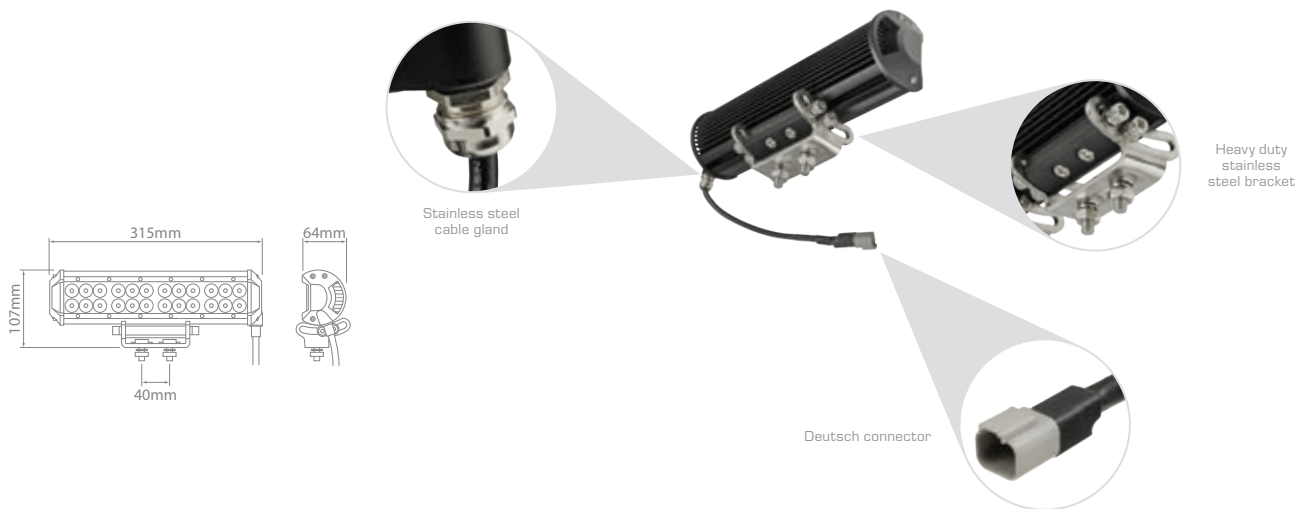
IONNIC LED

- Heavy duty stainless steel mounting bracket.
- Long life LEDs.
- Stainless steel cable gland.
- Even light pattern without hotspots.
- Impact resistant lens.
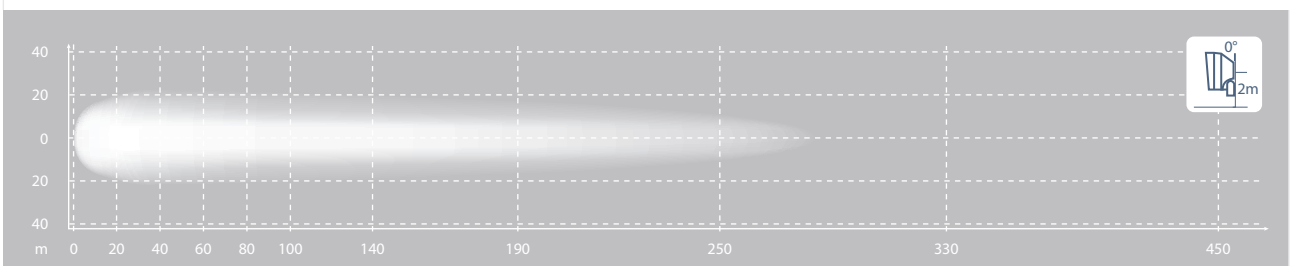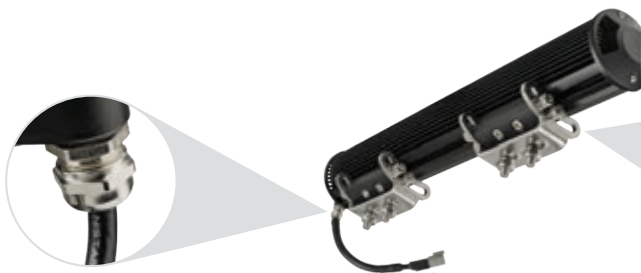- Environmentally sealed aluminium body.
- Multi-voltage.
- 2 year warranty.

10V 30V   **IP67**   **5Yrs**

Lumen Output :	8,190lm
Operational Voltage :	10–30V
Input Current :	7.3A @ 13.8V
LED Lifetime :	50,000 Hrs
Connector :	Deutsch 2 Pin on 200mm Fly Lead
Mount :	4 x M10
Lens :	Polycarbonate
Body :	Aluminium
Bracket :	Stainless Steel
Weight :	3.1kg
Ingress Protection :	IP67
Operating Temperature :	-40°C to 85°C
Colour Temperature :	6500K
Light Source :	42 x Cree® 3 Watt LEDs

Stainless steel
cable gland
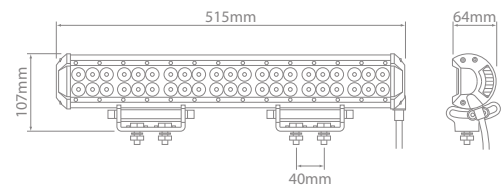
Heavy duty
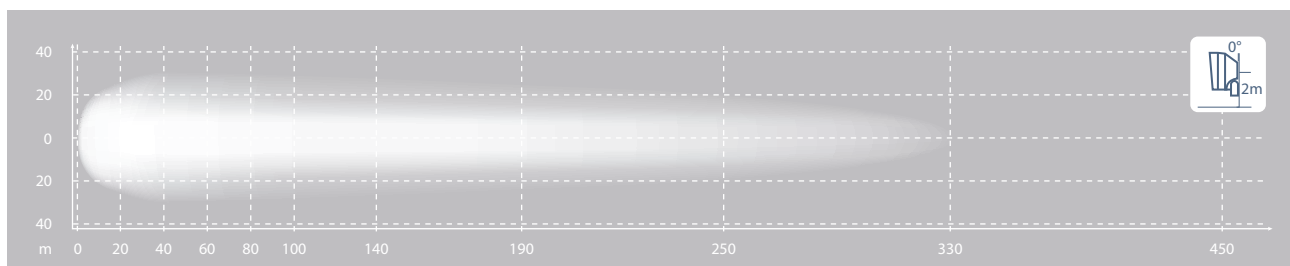stainless
steel bracket

Deutsch connector

515mm   64mm
107mm
40mm

220 LED – Spot

Part No.	Operational Voltage
98-220**S**	10–30

0°
2m

m 0 20 40 60 80 100   140   190   250   330   450
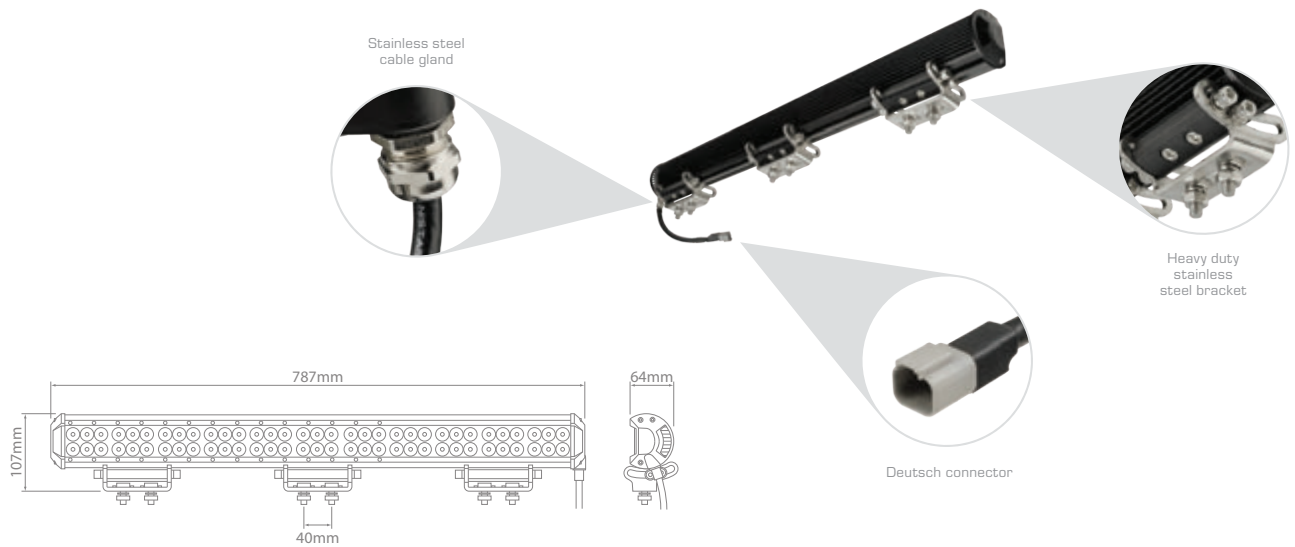
IONNIC

230 LED

- Heavy duty stainless steel mounting bracket.
- Long life LEDs.
- Stainless steel cable gland.
- Even light pattern without hotspots.
- Impact resistant lens.
- Environmentally sealed aluminium body.
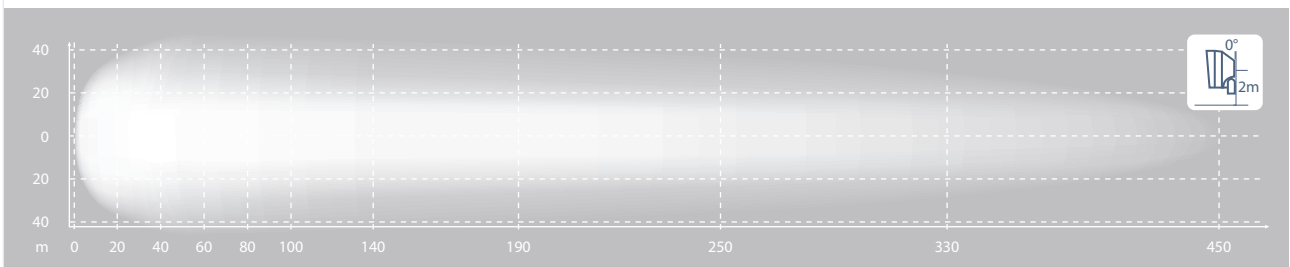- Multi-voltage.
- 2 year warranty.

Lumen Output :	12,870lm
Operational Voltage :	10–30V
Input Current :	11.8A @ 13.8V
LED Lifetime :	50,000 Hrs
Connector :	Deutsch 2 Pin on 200mm Fly Lead
Mount :	6 x M10
Lens :	Polycarbonate
Body :	Aluminium
Bracket :	Stainless Steel
Weight :	4.9kg
Ingress Protection :	IP67
Operating Temperature :	-40°C to 85°C
Colour Temperature :	6500K
Light Source :	66 x Cree® 3 Watt LEDs

10V 30V   IP67   5Yrs

Stainless steel cable gland

Heavy duty stainless steel bracket

Deutsch connector

787mm

64mm

107mm

40mm

230 LED – Spot

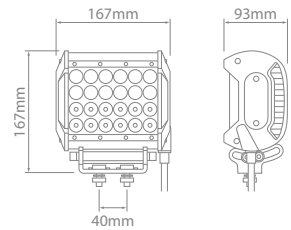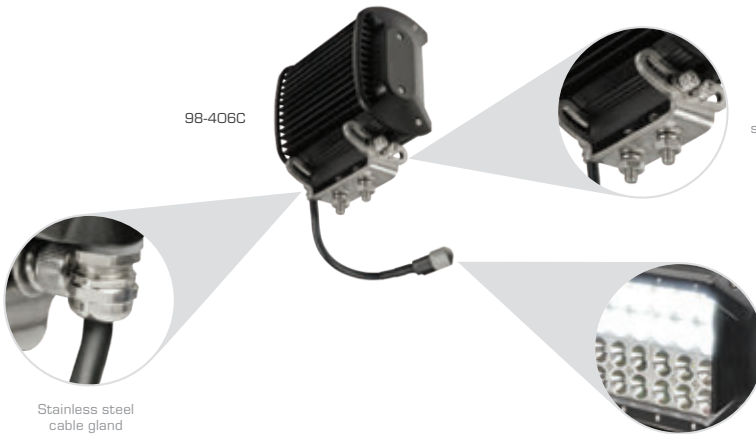| Part No.	Operational Voltage
98-230**S**	10–30

0°
2m

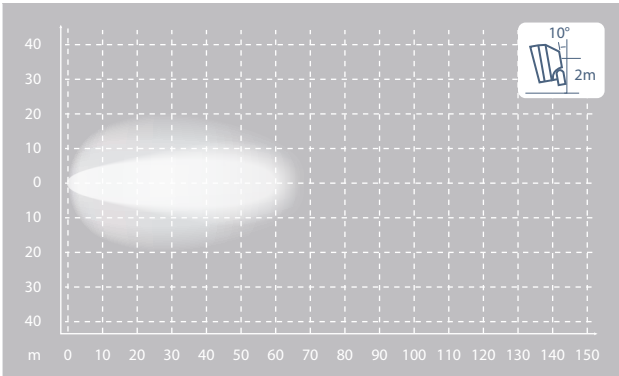m   0   20   40   60   80   100   140   190   250   330   450

IONNIC LED

- Heavy duty stainless steel mounting bracket.
- Long life LEDs.
- Stainless steel cable gland.
- Even light pattern without hotspots.
- Combination model offers independent control of LED rows.
- Impact resistant lens.
- Environmentally sealed aluminium body.
- Multi-voltage.
- 2 year warranty.

Lumen Output :	4,680lm
Operational Voltage :	10–30V
Input Current :	4.0 @ 13.8V
LED Lifetime :	50,000 Hrs
Connector : Flood	Deutsch 2 Pin on Fly Lead
Combination	Deutsch 3 Pin on Fly Lead
Mount :	2 x M10
Lens :	Polycarbonate
Body :	Aluminium
Bracket :	Stainless Steel
Weight :	2.2kg
Ingress Protection :	IP67
Operating Temperature :	-40°C to 85°C
Colour Temperature :	6500K
Light Source :	24 x Cree® 3 Watt LEDs

10V 30V   IP67   5Yrs

98-406C

Heavy duty stainless steel bracket

Stainless steel cable gland

For Combination lamps, spot and flood LED rows can be wired to switch independently

167mm

93mm

167mm

40mm

406 LED – Combination

Part No. | Operational Voltage
98-406**C** | 10–30

Pattern depicts spot & flood combined illumination

10°
2m

40
30
20
10
0
10
20
30
40
m 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

406 LED – Flood

Part No. | Operational Voltage
98-406**F** | 10–30

10°
2m

40
30
20
10
0
10
20
30
40
m 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150
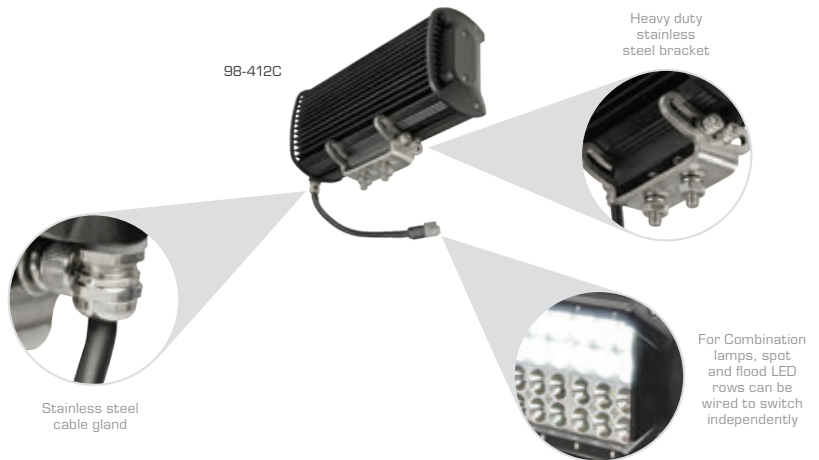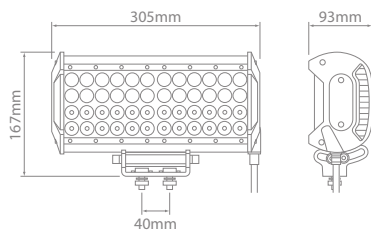
IONNIC
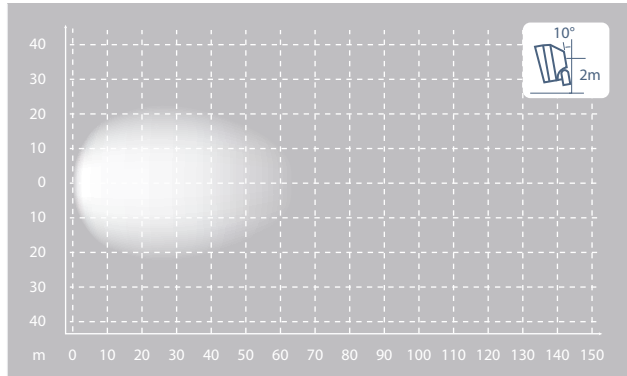
- Heavy duty stainless steel mounting bracket.
- Long life LEDs.
- Stainless steel cable gland.
- Even light pattern without hotspots.
- Combination model offers independent control of LED rows.
- Impact resistant lens.
- Environmentally sealed aluminium body.
- Multi-voltage.
- 2 year warranty.

Lumen Output :	9,360lm
Operational Voltage :	10–30V
Input Current :	8.2A @ 13.8V
LED Lifetime :	50,000 Hrs
Connector : Flood	Deutsch 2 Pin on Fly Lead
Combination	Deutsch 3 Pin on Fly Lead
Mount :	2 x M10
Lens :	Polycarbonate
Body :	Aluminium
Bracket :	Stainless Steel
Weight :	4.0kg
Ingress Protection :	IP67
Operating Temperature :	-40°C to 85°C
Colour Temperature :	6500K
Light Source :	48 x Cree® 3 Watt LEDs

10V 30V | IP67 | 5Yrs

98-412C

Heavy duty stainless steel bracket

Stainless steel cable gland

For Combination lamps, spot and flood LED rows can be wired to switch independently

305mm — 93mm — 167mm — 40mm

412 LED – Combination

Part No. | Operational Voltage | Pattern depicts spot & flood combined illumination
98-412C | 10–30 |

10° 2m

412 LED – Flood

Part No. | Operational Voltage
98-412F | 10–30

10° 2m

IONNIC LED

- Heavy duty stainless steel mounting bracket.
- Long life LEDs.
- Stainless steel cable gland.
- Even light pattern without hotspots.
- Combination model offers independent control of LED rows.
- Impact resistant lens.
- Environmentally sealed aluminium body.
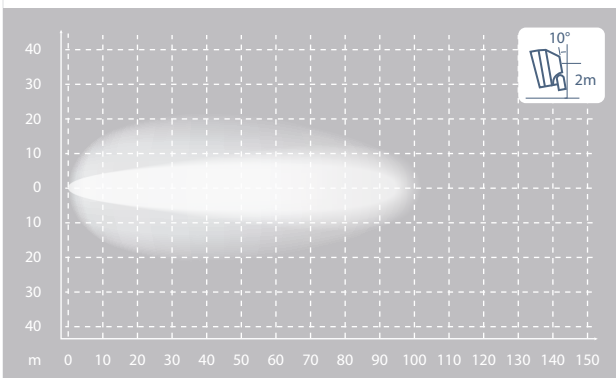- Multi-voltage.
- 2 year warranty.

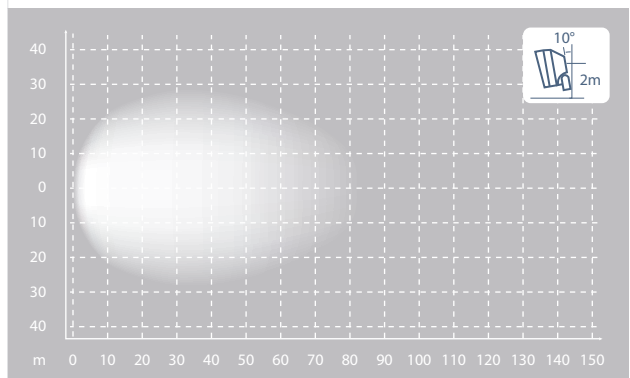|	
Lumen Output :	14,040lm
Operational Voltage :	10–30V
Input Current :	12.5A @ 13.8V
LED Lifetime :	50,000 Hrs
Connector : Flood	Deutsch 2 Pin on Fly Lead
Combination	Deutsch 3 Pin on Fly Lead
Mount :	4 x M10
Lens :	Polycarbonate
Body :	Aluminium
Bracket :	Stainless Steel
Weight :	5.2kg
Ingress Protection :	IP67
Operating Temperature :	-40°C to 85°C
Colour Temperature :	6500K
Light Source :	72 x Cree® 3 Watt LEDs

10V 30V   IP67   5Yrs

98-417C

Stainless steel cable gland
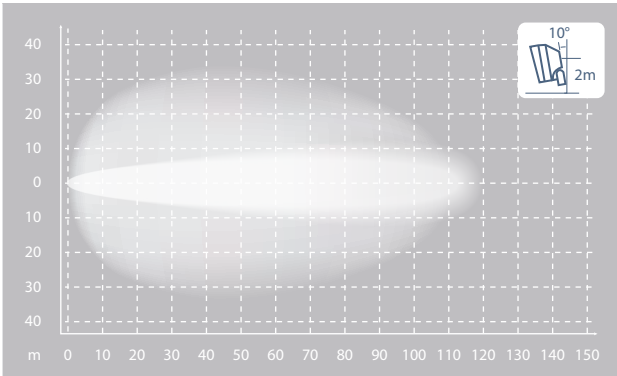
Heavy duty stainless steel bracket

For Combination lamps, spot and flood LED rows can be wired to switch independently
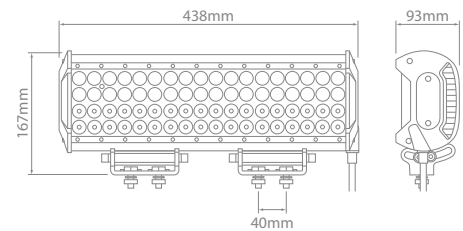
438mm   93mm   167mm   40mm

417 LED – Combination

Part No.	Operational Voltage	
98-417C	10–30	Pattern depicts spot & flood combined illumination

10° 2m

417 LED – Flood

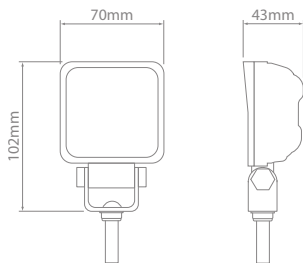| Part No.	Operational Voltage
98-417F	10–30

10° 2m

ionnic

1090 LED
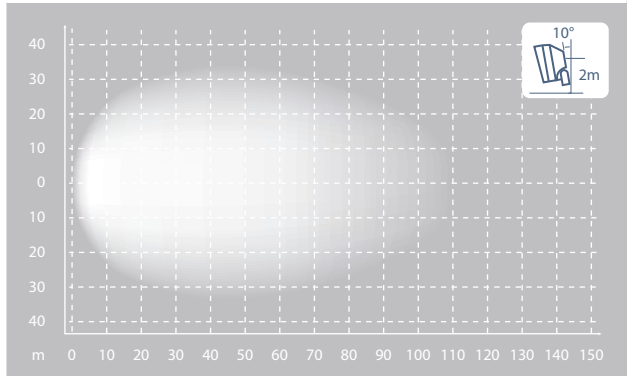
- Multi-voltage.
- Long life LEDs.
- Low current draw.
- Extremely compact & lightweight.
- Even light pattern without hotspots.
- Impact resistant lens.
- Epoxy encapsulated electronics.
- Environmentally sealed aluminum body.
- 5 year warranty.

Lumen Output :	600lm
Operational Voltage :	12–36V
Input Current :	0.68A @ 13.5V
Max Power Consumption :	9W
LED Lifetime :	50,000 Hrs
Connector :	280mm Fly Lead
Mount :	Single Bolt M8
Lens :	PC
Body :	Aluminium
Bracket :	Stainless Steel
Weight :	0.17kg
Ingress Protection :	IP67
Operating Temperature :	-30°C to 50°C
Colour Temperature :	5000K
Light Source :	3 x Edison® 3 Watt LEDs

12V 36V   IP67   5Yrs

70mm   43mm

102mm

1090 LED – Flood

Part No.	Operational Voltage
98-1090	12–36
98-1090**BK** *	12–36

* Bulk pack of 10 worklamps.
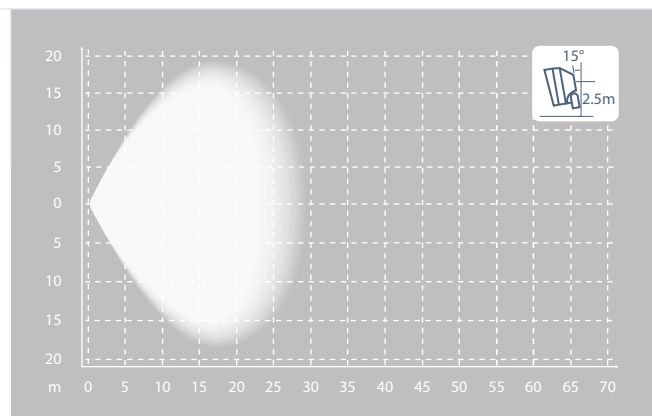
15°
2.5m

| m | 0 | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 |

IONNIC LED

508 LED

- Compact & lightweight.
- Multi-voltage.
- Long life LEDs.
- Low current draw.
- Even light pattern without hotspots.
- Impact resistant lens.
- Environmentally sealed aluminum body.
- 5 year warranty.

9V 32V **IP67** **5Yrs**

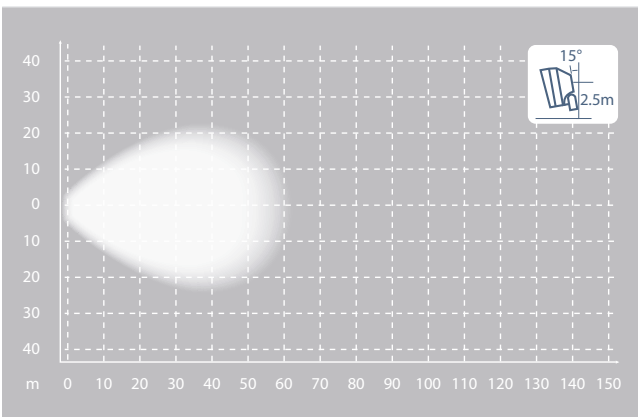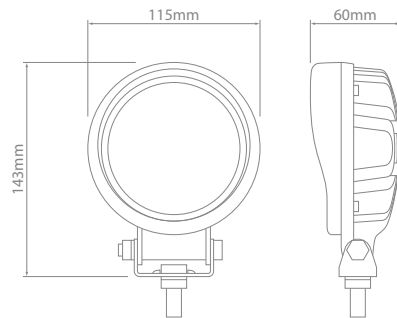|	
Lumen Output :	1,260lm
Operational Voltage :	9–32V
Input Current :	1.0A @ 13.8V
LED Lifetime :	30,000 Hrs
Connector :	Deutsch 2 Pin on 200mm Fly Lead
Mount :	Single Bolt M10
Lens :	PC
Body :	Aluminium
Bracket :	Stainless Steel
Weight :	0.6kg
Ingress Protection :	IP67
Operating Temperature :	-45°C to 65°C
Colour Temperature :	6500K
Light Source :	6 x Cree® 3 Watt LEDs

115mm   60mm

143mm

15°
2.5m

508 LED – Flood

Part No.	Operational Voltage
98-508**F**	9–32

IONNIC

- Handle & spring tensioned bracket for easy on-site adjustment.
- Integrated rocker switch with sealing boot.
- Multi-voltage.
- Long life LEDs.
- Low current draw.
- Even light pattern without hotspots.
- Impact resistant lens.
- Environmentally sealed aluminum body.
- 3 year warranty.

NEW

Lumen Output :	1,490lm
Operational Voltage :	12–36V
Input Current :	1.4A @ 13V
Max Power Consumption :	22W
LED Lifetime :	30,000 Hrs
Connector :	Deutsch 2 Pin on 280mm Fly Lead
Mount :	*user supplied* 4 x M8
Lens :	PC
Body :	Aluminium
Bracket :	Stainless Steel
Weight :	0.6kg
Ingress Protection :	IP67
Operating Temperature :	-30°C to 50°C
Colour Temperature :	6500K
Light Source :	9 x SMD High Power LEDs

12V 36V   IP67   3Yrs

125mm   82mm

185mm

177mm

98mm   50mm

Rocker switch with sealing boot

360°
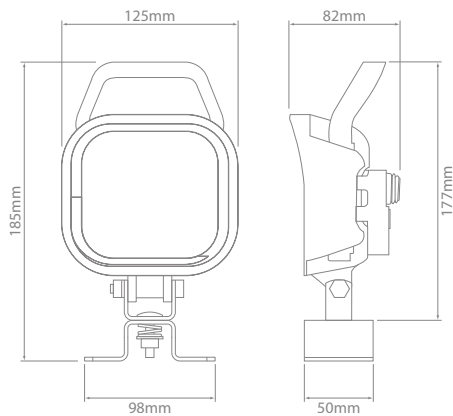
Spring tensioned bracket for easy on-site adjustment

2100 LED – Flood

Part No.	Operational Voltage
98-2100	12-36

15°
2.5m

m	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70

BL LED

NEW
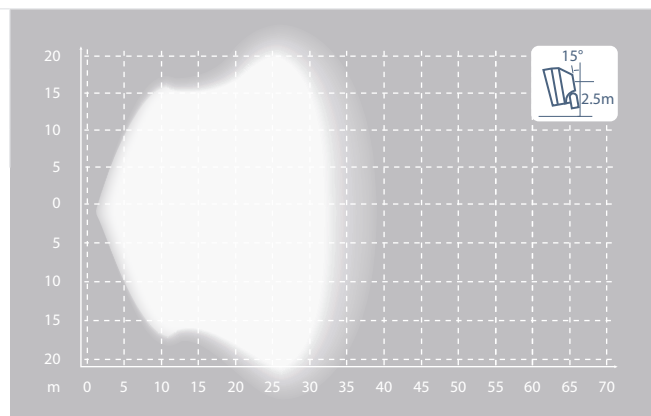
- Protective shroud reduces lateral light dispersion
- Optional remote handles for easy in-cab adjustment.
- Multi-voltage.
- Long life LEDs.
- Even light pattern without hotspots.
- Impact resistant lens.
- Environmentally sealed aluminium body.
- 5 year warranty.

Lumen Output :	2,650lm
Operational Voltage :	12–48V
Input Current :	4.5A @ 13.8V
LED Lifetime :	30,000 Hrs
Connector :	Deutsch 2 Pin on 200mm Fly Lead
Lens :	PMMA
Body :	Die-cast
Ingress Protection :	IP68, IP6K9K
Approvals :	SAE J1455
Operating Temperature :	-40°C to 85°C
Colour Temperature :	6500K
Light Source :	12 x Cree® 5 Watt LEDs

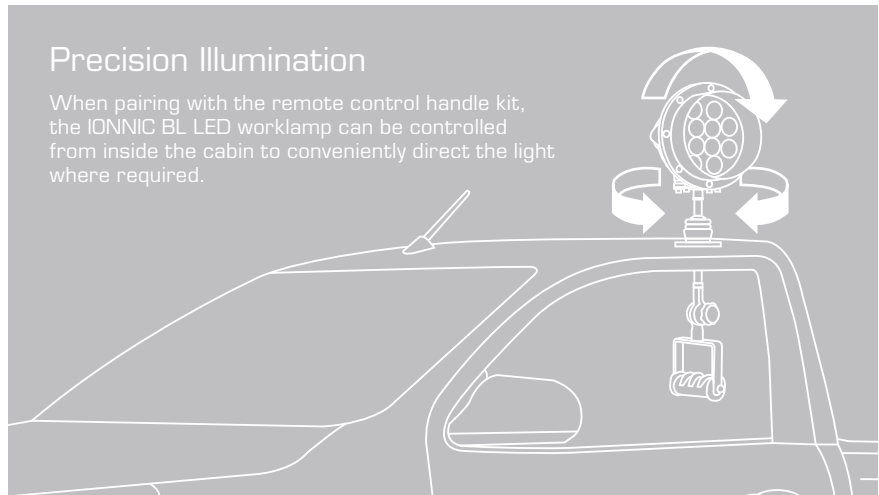12V 48V   IP68   IP 6K9K   5Yrs

270°

Remote control handle has 14 lockable positions for easy angle adjustment and retraction
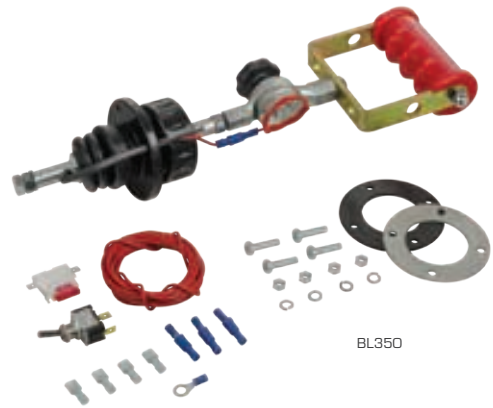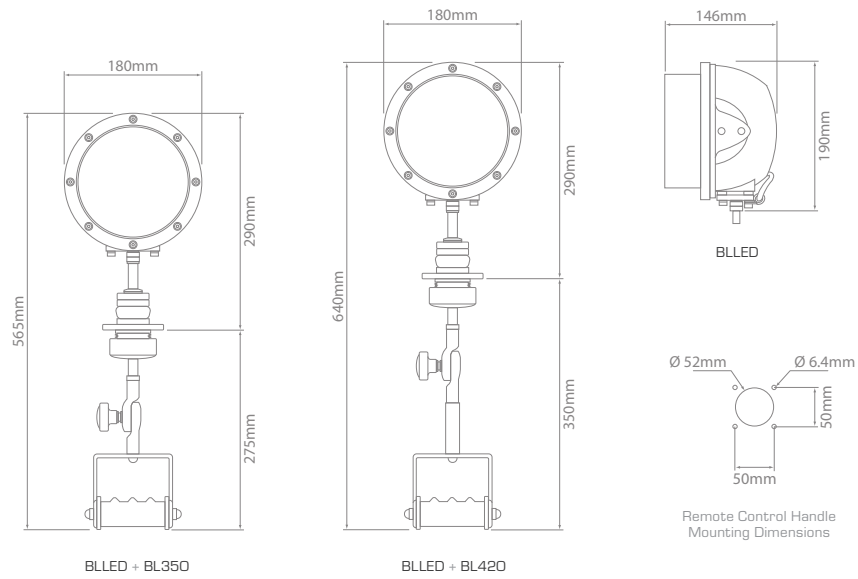
BL350

BLLED + BL420

Precision Illumination

When pairing with the remote control handle kit, the IONNIC BL LED worklamp can be controlled from inside the cabin to conveniently direct the light where required.

IONNIC

180mm

180mm

146mm

290mm

290mm

190mm

565mm

640mm

275mm

350mm

BLLED

Ø 52mm   Ø 6.4mm

50mm

50mm

Remote Control Handle
Mounting Dimensions

BLLED + BL350

BLLED + BL420

BL LED – Spot

Part No.	Operational Voltage	Description
BLLED	12–48	BL LED Worklamp assembly
BL350	—	350mm Remote Control Handle Kit with toggle switch, fuse and mounting plate
BL420	—	420mm Remote Control Handle Kit with toggle switch, fuse and mounting plate

0°

2m

10										
0										
10										
m	0	10	20	30	50	100	200	350	500	750
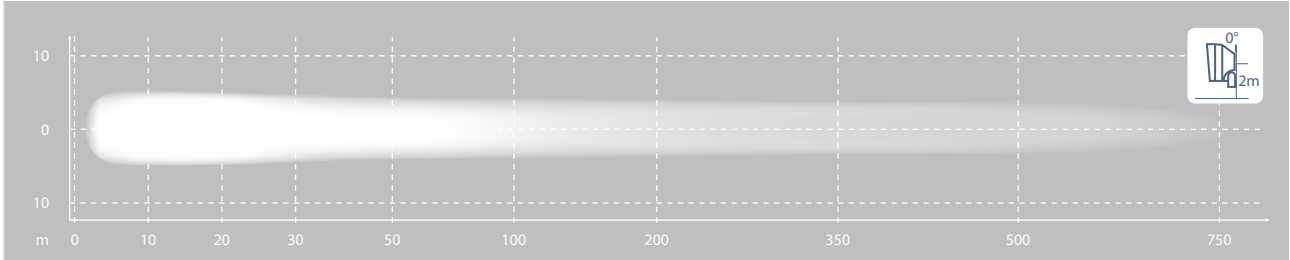
BL LED – Spare Parts

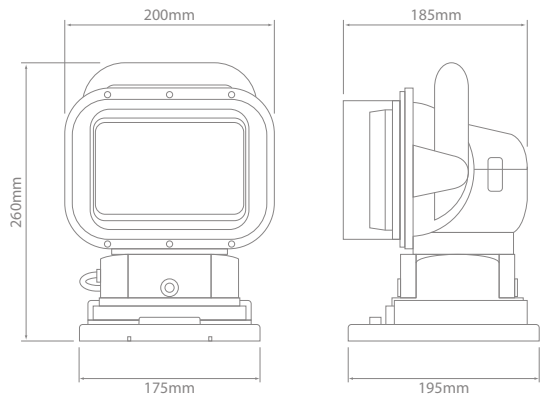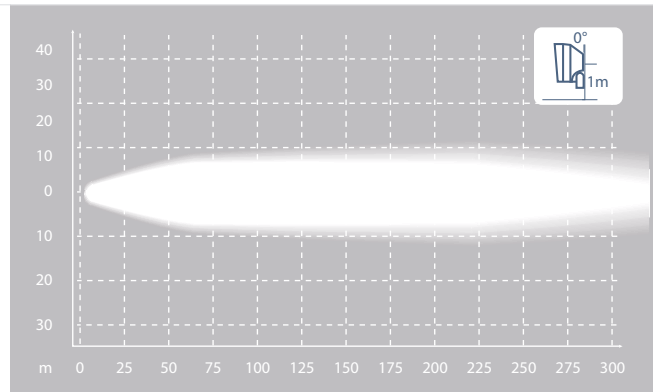| Part No.	Description
BLB-BOOT	Replacement boot, suits both Remote Control Handles

IONNIC LED

Remote Controlled LED

- Can be remote controlled within 200m.
- Adjustable to 360° horizontal & 120° vertical.
- Worklamp can be detached from mounted base. Convenient magnetic mount suitable for stationary applications only.
- Folding handle.
- Impact resistant lens.
- Long life LEDs.
- Environmentally sealed body.
- 3 year warranty.

IP65 3Yrs

Lumen Output :	4,000lm
Max Power Consumption :	50W
Connector :	2.8m lead to cigar plug
Body :	ABS
Lens :	Polycarbonate
Weight :	3kg
Ingress Protection :	IP65
Operating Temperature :	-40°C to 85°C
Colour Temperature :	6500K
Light Source :	10 x Cree® 5 Watt LEDs

360°

120° vertical tilt

120°

Worklamp can be detached from mounted base. Convenient magnetic mount suitable for stationary applications only

360° horizontal rotation

200mm

185mm

260mm

175mm

195mm

ionnic

82

Remote Controlled LED – Spot
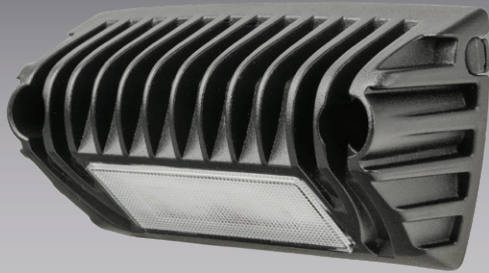
Part No.	Voltage
98-150-**12V**	12
98-150-**24V**	24

IONNIC LED

NEW
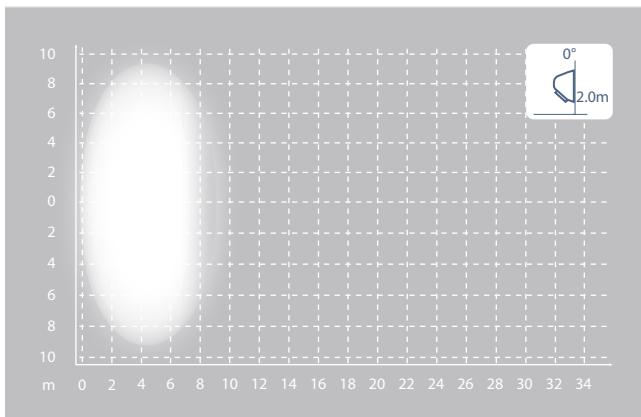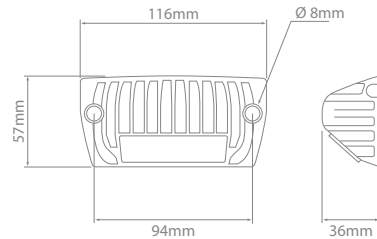
- Ideal for interior or exterior applications.
- Compact & lightweight.
- Multi-voltage.
- Long life LEDs.
- Low current draw.
- Impact resistant lens.
- Environmentally sealed aluminum body.

9V 32V | **IP67** | **ECE R10**

Lumen Output :	500lm
Operational Voltage :	9–32V
Input Current :	0.8A @ 13.8V
LED Lifetime :	30,000 Hrs
Connector :	300mm Fly Lead
Mount :	2 x M6 bolts
Lens :	PC
Body :	Aluminium
Weight :	0.2kg
Ingress Protection :	IP67
Approvals :	ECE R10
Operating Temperature :	-30°C to 60°C
Colour Temperature :	6500K
Light Source :	6 X Cree® 1.5 Watt LEDs

116mm   Ø 8mm
57mm
94mm   36mm

0°
2.0m

10 8 6 4 2 0 2 4 6 8 10
m 0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34

LED Scene Light

Part No.	Operational Voltage
98-2500	9–32

Supplied with adhesive gasket, bolts, nuts and split washers.

IONNIC

ionnic.com

- Keep up to date with the latest product releases.
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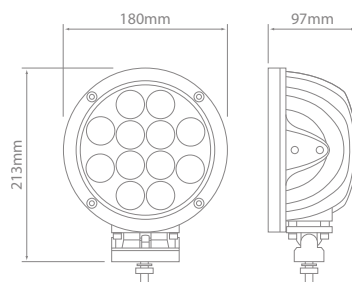# ionnic
Lighting | Safety | Electrical
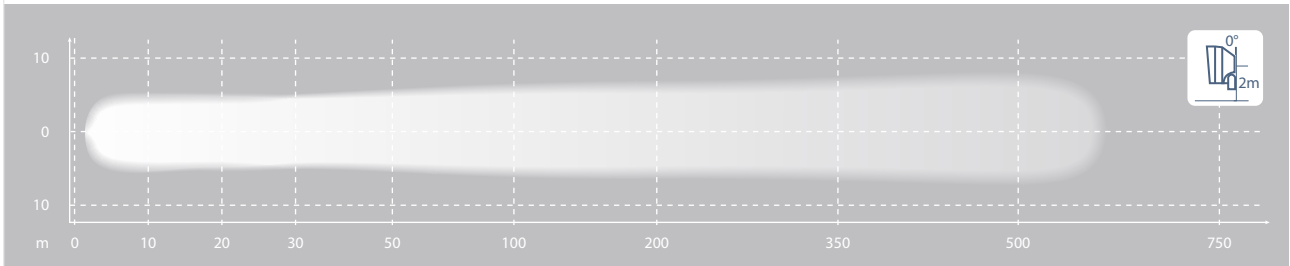
IONNIC LED

NEW

- Heavy duty die-cast mounting bracket.
- Long life LEDs.
- Stainless steel cable gland.
- Even light pattern without hotspots.
- Impact resistant lens.
- Environmentally sealed aluminium body.
- Multi-voltage.
- 5 year warranty.

Lumen Output : 2,650lm
Operational Voltage : 12–48V
Input Current : 4.5A @ 13.8V
LED Lifetime : 30,000 Hrs
Connector : Deutsch 2 Pin on 200mm Fly Lead
Mount : Single Bolt M8
Lens : PMMA
Body : Aluminium
Weight : 2.1kg
Ingress Protection : IP68, IP6K9K
Approvals : SAE J1455
Operating Temperature : -40°C to 85°C
Colour Temperature : 6500K
Light Source : 12 x Cree® 5 Watt LEDs

12V 48V   IP68   IP 6K9K   5Yrs

Stainless steel cable gland

Heavy duty powder-coated bracket

Deutsch connector

180mm   97mm

213mm

ionnic

107 LED – Wide Spot

Part No.   Operational Voltage
98-107**F**   12–48

107 LED – Spot

Part No.   Operational Voltage
98-107**S**   12–48