

LED Lighting

**High Quality
LED Lighting
for Agricultural,
Commercial
and Industrial
Applications**



**Slimline and Premium Work Lights
R65 and R10 Beacons
Light Bars • Trailer Lights**

***VAP* VAPORMATIC**

Choosing the Correct LED Light

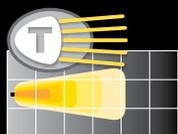
Illumination Patterns

Spot Type



A spot light beam has a narrow illumination spread of typically 8 degrees. By focusing the light beam in a narrow area makes this type of longer distance lighting ideal for specific tasks, sprayer boom applications or highlighting the forward driving path.

Trapezoid Type



Trapezoidal lighting beams offer a wider spread of light typically around 40 degrees. Ideally suited for general-purpose work lighting which requires a narrower beam pattern for medium distance visibility. Effectively illuminates the short and medium range forward driving path.

Flood Type



Flood lighting generally has a short but wider 60-90 degree beam pattern for more even light dispersal over a greater area. Flood illumination is ideal when you need to light up a given work area and helps provide excellent close working-quarter illumination.

Combo Type



Combo lighting provides 'versatility' by combining both spot beam with flood beam patterns, all within the same light. Combo lighting provides simultaneous long distance terrain lighting together with closer field illumination. However, without separate beams neither the flood or spot light patterns are as bright as a dedicated spot or flood beam light.

ECE Reg 10 / Reg 65 / E Approval



All vehicle lights are classified as electronic sub-assemblies (ESA's) and must be tested to conform with ECE Regulation 10 (R10), in addition to other regulations concerning specific use. R10 specifically applies to electromagnetic compatibility, and ensures lights do not interfere with any of the vehicle's on-board components and systems.



ECE Regulation 65 (R65) is a UN standard for beacons, directional light bars and other vehicle warning lamps and regulates light output, colour, light dispersion, flash frequency, etc. R65 approved lighting should be used when a vehicle is stationary on the highway for work purposes or where a vehicle is travelling at less than the general traffic speed.



Any ESA fitted to a vehicle must have third party "E or type approval" from a EU member transportation department or agency. ESA's approved are marked with an E and a number within a circle denoting which EU country granted approval. Other surrounding letters and digits indicate the precise version of the regulation approval, and must be permanently displayed on the light.

Light Output (Lumens)

The brightness of an LED light is usually measured in Lumens and indicates the total amount of light emitted from a work light or headlamp. However, lumen ratings can vary dramatically depending on whether 'Raw' or "Effective" values are being compared. Raw Lumen values are calculated by multiplying the total number of LED's in a lamp by individual rated output per LED. For 'real-life' conditions, Effective Lumen values provides a more accurate measurement by using the Raw Lumen value and taking into account 'thermal' and 'optical' losses. Thermal losses typically occur as LED's produce less light as they get hotter while optical losses take into account factors such as lens material deterioration, etc. Typically, the effective lumen output will be 10-15% less than the raw lumen rating.

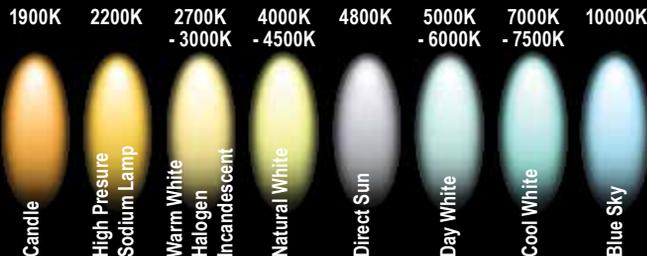
Light Intensity (Lux)

While Lumens measure the brightness or light output of an LED lamp, Lux is used to measure the amount of light output over a given area - one Lux is equal to one Lumen per square meter. The use of Lux provides an accurate measure of the total "amount" of visible light and takes into account the quality of reflectors and optics that help control the light beam path. This is all-important in terms of field illumination; if light is focused on a small area it can produce a very bright light. However, if the light output is spread in a wider beam over a greater area, it can deliver a weaker light due to inferior reflectors and poor light optics.

Colour Temperature (Kelvin)

6000 K

While the brightness of an LED lamp (measured in lumens) is key, specific color temperatures will also provide direct benefit and suitability for different locations and applications. Colour temperature is measured in units of Kelvin (K) on a scale range from 1,000 - 10,000K. For a warm, soft natural glow lighting, a low colour temperature of 2000K would be ideal for domestic applications. A colour temperature rating of 6000K (simulating natural midday sunlight) produces a clean white light ideal for tasks requiring high levels of concentration and contrast, such as night working. LED's with a high colour temperature (8000-10,000K) produce a cool blue light suited for specialist display and photographic applications.



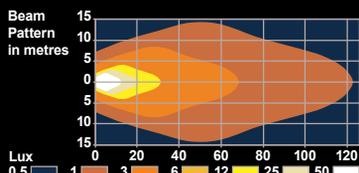
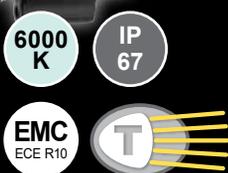
Vapormatic's range of LED work lamps are suitable for many agricultural, commercial and industrial applications. The range of heavy-duty 'premium' work lamps are manufactured from die-cast aluminium with tough acrylic lenses and can be powered by a 10~30Vdc power source. All work lamps are supplied with stainless mounting brackets and are 12/24V compatible.



LED Work Light

- Square type • Trapezoid beam pattern
- 16 x 3W LED's; 12-24V • 2800~1728 lumens
- Size: 115 x 115 x 70mm

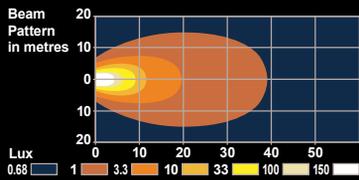
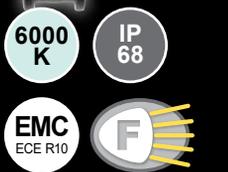
Part no. **VLC6088**



LED Work Light

- Compact square type • Flood beam pattern
- 1 x 25W LED's; 12-24V • 2000~1800 lumens
- Size: 90 x 120 x 70mm

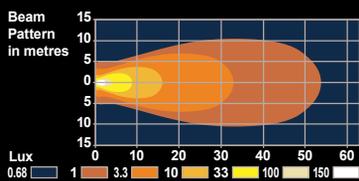
Part no. **VLC6111**



LED Work Light

- Oval type • Flood beam pattern
- 8 x 3W LED's; 12-24V • 1900~1500 lumens
- Size: 140 x 145 x 80mm

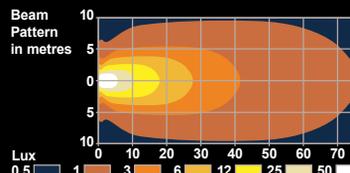
Part no. **VLC6087**



LED Work Light

- Round type • Flood beam pattern
- 9 x 3W LED'S; 12-24V • 2160~1728 lumens
- Size: Ø125 x 55mm

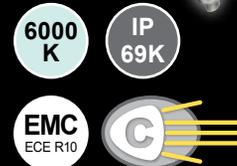
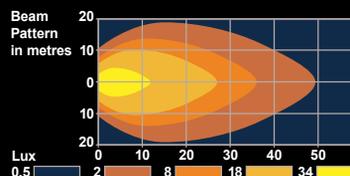
Part no. **VLC6089**



Blue Lens LED Work Light

- Square type • Combo beam pattern
- 4 x 9W LED'S; 10-30V • 1000 lumens
- Size: 90 x 133 x 41mm

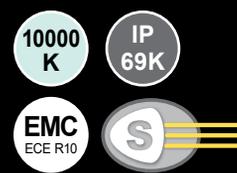
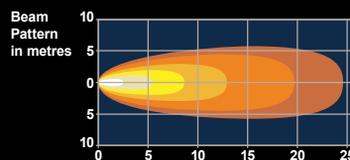
Part no. **VLD2200**



LED Blue Lens Sprayer Boom Work Light

- Oval type • 2 x 10W LED'S; 10-80V
- Focused spot beam pattern 10°
- Suitable for sprayer booms up to 25M
- Size: 116 x 101 x 64mm

Part no. **VLD2202**



LED Work Light

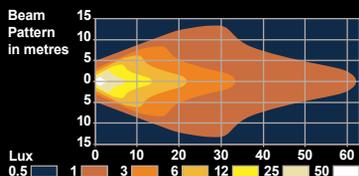
- Rectangle side mount
- Trapezoid beam pattern
- 8 x 3W LED's; 12-24V
 - 1920~1600 lumens
- Size: 90 x 160 x 90mm

Part no. **VLC6115**

6000
K

IP
68

EMC
ECE R10



LED Work Light

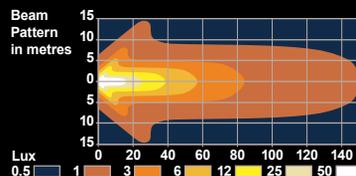
- Rectangle bottom mount
- Flood beam pattern
- 8 x 5W LED's; 12-24V
 - 3200~2560 lumens
- Size: 160 x 115 x 70mm

Part no. **VLC6113**

6000
K

IP
68

EMC
ECE R10



LED Work Light

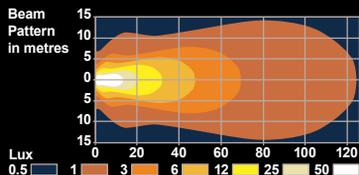
- Rectangle bottom mount
- Trapezoid beam pattern
- 8 x 5W LED's; 12-24V
 - 3200~2560 lumens
- Size: 160 x 115 x 70mm

Part no. **VLC6116**

6000
K

IP
68

EMC
ECE R10



LED Work Light

- Roof mount • Flood beam pattern
- 4 x 3W LED's; 12-24V
- 960~672 lumens
- Size: 130 x 50mm

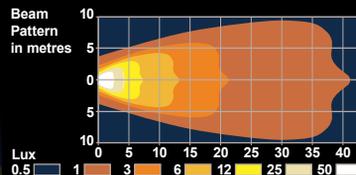
Part no. **VLC6114**

Suitable as replacement for various John Deere 6000 & 6010 series tractors

6000
K

IP
68

EMC
ECE R10



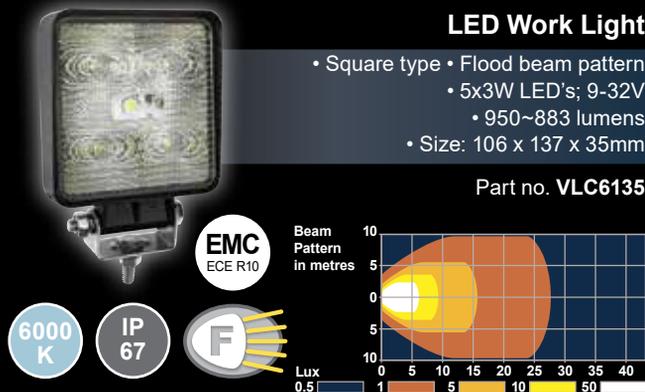
Slimline LED Work Lights

Vapormatic's Slimline range of LED work lamps are ideal for applications where a shallow fitting profile is required. All Slimline lamps are available with a FLOOD illumination pattern. All Slimline lights are manufactured from die-cast aluminium with tough, impact and chemical resistant polycarbonate lenses.

LED Work Light

- Square type • Flood beam pattern
- 5x3W LED's; 9-32V
- 950~883 lumens
- Size: 106 x 137 x 35mm

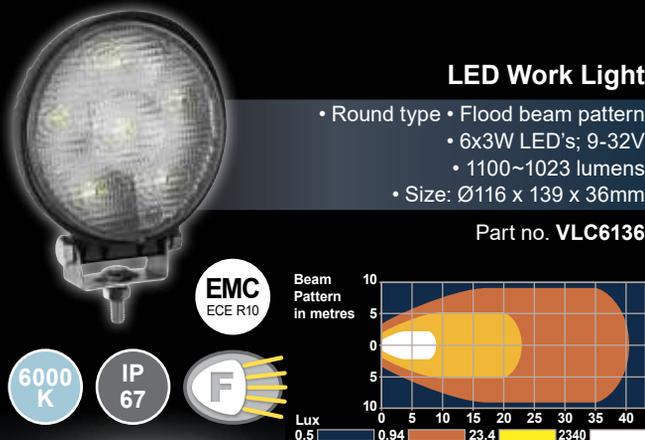
Part no. **VLC6135**



LED Work Light

- Round type • Flood beam pattern
- 6x3W LED's; 9-32V
- 1100~1023 lumens
- Size: Ø116 x 139 x 36mm

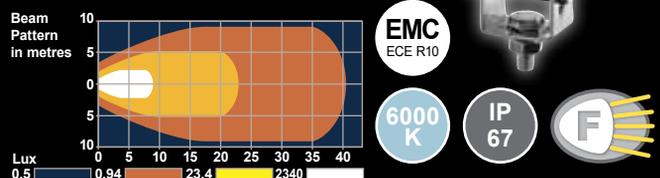
Part no. **VLC6136**



LED Work Light

- Oval type • Flood beam pattern
- 8x3W LED's; 9-32V
- 1918~1783 lumens
- Size: 144 x 123 x 65mm

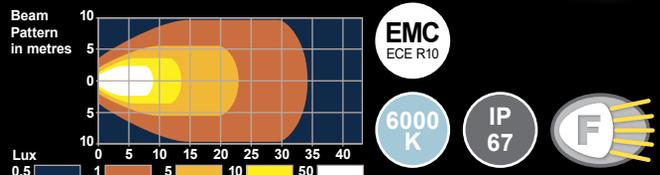
Part no. **VLC6137**



LED Work Light

- Low profile, rectangular type
- Flood beam pattern
- 6x3W LED's; 12-24V
- 1350~1255 lumens
- Size: 160 x 50 x 60mm

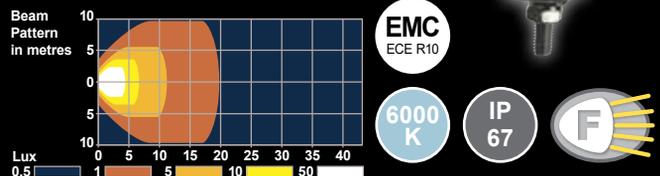
Part no. **VLC6138**



LED Work Light

- Round compact, rectangular type
- Flood beam pattern
- 3x3W LED's; 12-24V
- 600~558 lumens
- Size: Ø83 x 95 x 53mm

Part no. **VLC6139**



These high quality light bars have high lumen ratings across the entire range providing strong flood and directional lighting, these slim-line LED light bars are vibration resistant, longer lasting and less draining on your battery than standard halogen lights.

All light bars run from a 12/24V power source and are fully compliant with R10 regulation and IP67 rating which means complete protection from dust and water immersion (up to 1 metre for 30 minutes).

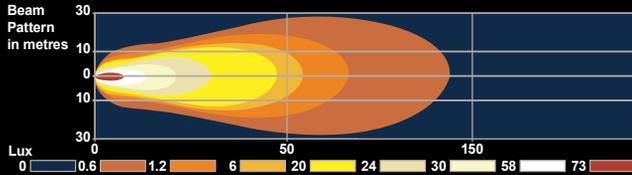
- Impact-resistant polycarbonate lenses
- Up to 60 LED bulbs
- Flood and spot illumination patterns
- 12 months warranty
- IP67 dust and water protection
- 12V/24V



LED Light Bar - Straight

- Single bolt mount for maximum versatility
- Flood beam pattern
- 12x5W LED's; 10-30V
- 4800 lumens
- Size: 333 x 123 x 65mm

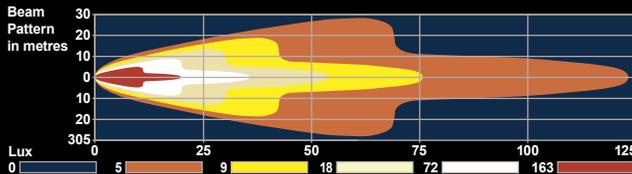
Part no. **VLC6146**



LED Light Bar - Straight

- Straight profile with adjustable mounting brackets
- Combo beam pattern
- 42x3W LED's; 10-32V
- 6692 lumens
- Size: 502 x 115 x 74mm

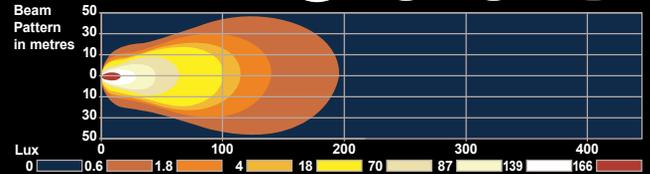
Part no. **VLC6157**



LED Light Bar - Straight

- Straight profile with adjustable side mounting brackets
- Flood beam pattern • 40x3W LED's; 10-30V
- 10800 lumens
- Size: 623 x 115 x 83mm

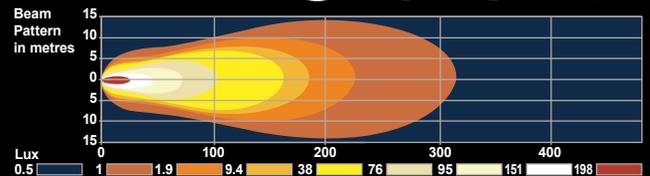
Part no. **VLC6147**



LED Light Bar - Straight

- Straight profile with adjustable side mounting brackets
- Flood beam pattern • 60x3W LED's; 10-30V
- 16200 lumens
- Size: 875 x 123 x 65mm

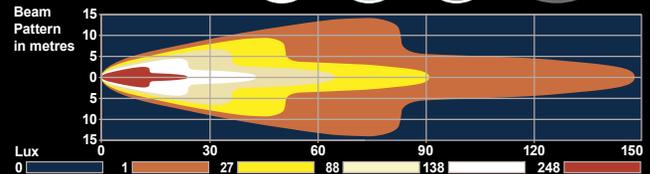
Part no. **VLC6148**



LED Light Bar - Curved

- Curved profile with adjustable side mounting brackets
- Combo beam pattern
- 40x3W LED's; 10-30V • 8800 lumens
- Size: 630 x 121 x 87mm

Part no. **VLC6149**



LED Warning Beacons

Vapormatic's range of ECE R10 approved LED warning beacons are suitable for highways commuting, field-to field and off-road vehicle use.

Manufactured with a tough, durable plastic body and impact-resistant polycarbonate lens, this new range of beacons are ideal for use with agricultural and plant vehicles, off-road construction equipment and ATV's. Suitable for 12 and 24 vehicle applications.

EMC
ECE R10

IP
66

LED 'Boule' Beacon, Magnetic Base

- Push button flash pattern selector
- Magnetic base mount tested to 70mph
- 40 high intensity LED's
- Size: 140 x 140mm

Part no. **VLC6140**



EMC
ECE R10

IP
66

LED 'Boule' Beacon, Single Bolt Surface Mount

- 40 high intensity LED's
- Size: 127 x 163mm

Part no. **VLC6141**



EMC
ECE R10

IP
66

LED 'Boule' Beacon, DIN Flexi Pole Mount

- 40 high intensity LED's
- Size: 127 x 174mm

Part no. **VLC6142**



EMC
ECE R10

IP
66

LED Beacon, DIN Flexi Pole Mount

- 60 high intensity LED's
- Size: 127 x 240mm

Part no. **VLC6143**



EMC
ECE R10

IP
66

LED Beacon, DIN Flexi Pole Mount

- 60 high intensity LED's
- Size: 127 x 240mm

Part no. **VLC6144**



EMC
ECE R10

IP
66

Vapormatic's high quality range of LED beacons are suitable for a wide range of applications; Agricultural, Commercial and Industrial.

Each beacon includes 4 different flash patterns.

- Tough polycarbonate lens with durable body
- 10~30Vdc • 8 high output LED modules
- 4 mounting options available
- R65 Highway maintenance approved
- IP66 Rated, 'E' approved and 'CE' certified

UNECE
R65

IP
66

LED 'Boule' Beacon, Magnetic Mount

- Highway Maintenance Approved
- High intensity 8 x LED module
- Magnetic base
- Size: 140 x 135mm

Part no. **VLC6152**



UNECE
R65

IP
66

LED 'Boule' Beacon, 3 Bolt Mount

- Highway Maintenance Approved
- High intensity 8 x LED module
- 3 Bolt mount
- Size: 140 x 135mm

Part no. **VLC6153**



UNECE
R65

IP
66

LED 'Boule' Beacon, Single Bolt Mount

- Highway Maintenance Approved
- High intensity 8 x LED module
- Single bolt mount
- Size: 127 x 130mm

Part no. **VLC6154**



UNECE
R65

IP
66

LED 'Boule' Beacon, Flexi Pole Mount

- Highway Maintenance Approved
- High intensity 8 x LED module
- Flexi pole mount
- Size: 127 x 174mm

Part no. **VLC6155**



UNECE
R65

IP
66

LED Burger Style Rear Lights. IP67



LED Burger Combination Light

- Stop / tail / indicator functions
- 10-30V • 20 x high intensity LED's
- Size: 140 x 140 x 30mm

20x
LED's

EMC
ECE R10

IP
67

Part no. **VLC2374**



LED Burger Fog Light

- Impact resistant polycarbonate lens
- 10-30V • 20 x high intensity LED's
- Size: 140 x 140 x 30mm

20x
LED's

EMC
ECE R10

IP
67

Part no. **VLC2375**



LED Burger Reverse Light

- Impact resistant polycarbonate lens
- 10-30V • 20 x high intensity LED's
- Size: 140 x 140 x 30mm

20x
LED's

EMC
ECE R10

IP
67

Part no. **VLC2376**



LED Burger Combination Light and Mounting Base

- Impact resistant polycarbonate lens
- Stop / tail / indicator functions
- 10-30V • 20 x high intensity LED's
- Size: 140 x 140 x 85mm

20x
LED's

EMC
ECE R10

IP
67

Part no. **VLC2377**



Rear Burger Light Mounting Cup

- Round, plastic mounting base for VLC2374, VLC2375 and VLC2376 "burger style" LED lights
- Includes fixings
- Size: 140 x 140 x 65mm

Part no. **VLC2362**

Traditional Combination Rear Lights. IP67

LED Rear Light Module

- Stop / tail / indicator / number plate functions
- 12V DC • 10 x LED's
- Size: 100 x 100 x 40mm

10x
LED's

EMC
ECE R10

IP
67

Part no. **VLC6131**



LED Rear Combination Light

- Stop / tail / indicator / number plate functions
- 12/24V DC • 10 x LED's
- Size: 100 x 100 x 40mm

18x
LED's

EMC
ECE R10

IP
67

Part no. **VLC2364**



LED Rear Combination Light

- Stop / tail / indicator functions
- 12/24V DC • 24 x high intensity LED's
- E and EMC approved
- Size: 190 x 85 x 28mm

24x
LED's

EMC
ECE R10

IP
67

Part no. **VLC2363**



LED Rear Combination Light

- Stop / tail / indicator / reflector / reverse / fog functions
- 10-30V • 39 x high intensity LED's
- E and EMC approved
- Size: 218 x 147 x 25mm

39x
LED's

EMC
ECE R10

IP
67

Left hand
Part no. **VLC2365**

Right hand
Part no. **VLC2366**



LED Number Plate Light

- Stop / tail / indicator / fog functions
- Varivolt 10-30V
- E and EMC approved
- Size: 118 x 46 x 42mm

6x
LED's

EMC
ECE R10

IP
67

Part no. **VLC2343**





LED Rear Combination Light

- Stop / tail / indicator / fog functions
- 10-30V • 75 x high intensity LED's
- Size: 255 x 95 x 40mm



Part no. **VLC2378**

Traditional Combination Rear Lights Cont.

LED Rear Combination Light

- Stop / tail / indicator / fog functions
- 10-30V • 75 x high intensity LED's
- E and EMC approved
- Size: 255 x 95 x 40mm



Part no. **VLC2379**



LED Long Stalk 45 Degree

- Stop / tail / indicator functions
- 10-30V • 2 x high intensity LED's
- Size: 190 x 50 x 90mm



Left hand Part no. **VLC2368** Right hand Part no. **VLC2367**



LED Short Stalk 45 Degree

- Stop / tail / indicator functions
- 10-30V • 2 x high intensity LED's
- Size: 110 x 50 x 90mm



Left hand Part no. **VLC2370** Right hand Part no. **VLC2369**



LED Curved Stalk 90 Degree

- Stop / tail / indicator functions
- 10-30V • 2 x high intensity LED's
- Size: 180 x 50 x 90mm



Left hand Part no. **VLC2372** Right hand Part no. **VLC2371**



LED Side Marker Light

- Rubber base
- 10-30V
- Size: 69 x 60 x 74.5mm



Part no. **VLC6145**

Heavy Duty Marker and Warning Lights

LED Marker Light

- Rear marker light/reflector
- 12/24V applications • 3 x LED's
- Size: 108 x 50 x 20mm
- Size: Bolt holes 5mm diameter

Red marker light Part no. **VLC2342**

Clear marker light Part no. **VLC2344**

Amber marker light Part no. **VLC2348**



LED Warning Light

- 9W amber LED strobe warning light
- 10-30V DC • 3 x LED's
- E approved
- Size: 105 x 40 x 30mm

Part no. **VLC2373**



LED Warning Light

- Strobe warning light
- 10-30V • 4 x LED's
- E approved
- Size: 121 x 40 x 48mm

Part no. **VLC6124**



LED Portable Warning Light

- Magnetic mount
- Requires 4 x AA batteries (not included)
- 12V DC • 18 x LED's
- Visible up to 2000 metres / 1.25 miles
- Size: 160 x 100 x 50mm

Part no. **VLC6133**



Bolt-on Mounting Pole for Rotating Beacons

- Overall height 110mm
- Bolt holes 10mm
- Bolt hole centres 85mm

Part no. **VLC2165**

Clamp Mounting Pole for Rotating Beacons

- Overall height 125mm
- Bolt hole centres 40mm

Part no. **VLC2137**

Bolt-on Mounting Pole Bracket

- Suitable for John Deere 6000 & 7000 series tractor range

Part no. **VLC2097**

CanBUS LED Load Resistor kit

- Designed to eliminate CanBUS dash error warning, hyper-flash and 'one-bulb' out issues when converting to or using LED lighting
- 12V, 6 Ohm 50W

Part no. **VLC2361**

Deutsch DTM 2 PIN Connector Kit

- Includes: 4 x female housing, 4 x female wedgelock and 4 x matching pair of male 2 PIN terminals
- Allows easy fitment of supplementary work lights to OE wiring looms with male Deutsch DTM series plug connectors

Part no. **VLC5086**

Light Bar Installation Kit

- Complete 'plug and play' wire harness for LED Off-Road Light Bars
- On/Off switch with LED indicator
- 42 Amp automotive relay with solder-less spade connections
- 30 Amp fuse
- Cable length 3950mm

Part no. **VLC6150**

Heavy Duty Cable Ties

- Nylon 6-6 non-releasable cable ties
- Minimum tensile strength - 18.2kg/178.5N
- Pack of 100
- Size: 3.6mm x 140mm

Part no. **VLC2311**

Heat Shrink Sleeve Pack

- Polyolefin heat shrink tubing
- Easy to apply. Just slide over component and apply gentle heat
- Contents:
 - 3.2 x 150mm black x 10 pieces
 - 3.2 x 150mm red x 10 pieces
 - 6.4 x 150mm black x 20 pieces
 - 6.4 x 150mm yellow x 10 pieces
 - 6.4 x 150mm blue x 10 pieces
 - 9.5 x 150mm red x 10 pieces

Part no. **VLC2188**

Split Conduit

- Flexible corrugated black plastic tube used to control and protect electrical wiring and cables
- Size: 7.4mm inside diameter x 25m length

Part no. **VLC5100**

LED Lighting

Upgrade to LED lighting and benefit from:

- Greater visibility
- Increased life span (up to 10 times longer than conventional bulbs)
- Up to 300% brighter than the equivalent halogen bulb
- Low power consumption (up to 80% energy saving over traditional lights)
- Ecologically friendly

Available from:



www.vapormatic.com

The Vapormatic Co. Ltd.

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