

**DLMP-45/45R**  
**Installation Instructions**

**Tools Needed**

Posidrive No.3 Screwdriver  
Large Flat Head Screwdriver  
2x 10mm Spanner  
1x 13mm Spanner  
Ø8mm Drill  
Ø6mm Drill

**Kit Contents**

<input type="checkbox"/> <b>1x Tube 2.5M long</b>	<b>17420</b>
<input type="checkbox"/> 2 x cover strips	19401
<input type="checkbox"/> <b>1x Universal Top Casting</b> - machined for SC45/SC45R	<b>10101</b>
<input type="checkbox"/> <b>1x SC45/SC45R</b>	<b>SC45/SC45R</b>
<input type="checkbox"/> <b>1x SC105/6-45/R Fastening Pack</b>	<b>600106</b>
<input type="checkbox"/> 4x M8 x 30mm Hex Head Bolt	60856
<input type="checkbox"/> 4x M8 Nyloc Nut	60080
<input type="checkbox"/> 4x M8 Stainless Steel washer	60085
<input type="checkbox"/> 4x M8 Nylon washer	64008
<input type="checkbox"/> 4x M8 White Nut Cover	60857
<input type="checkbox"/> <b>1x Pole Top Fastening Pack</b>	<b>60100</b>
<input type="checkbox"/> 4x M6 x 20 Hex Head Bolts	60621
<input type="checkbox"/> 4x M6 Nyloc Nuts	60060
<input type="checkbox"/> 4x M6 White nut covers	60068
<input type="checkbox"/> 4x M6 Nylon Washers	60702
<input type="checkbox"/> <b>1x Adjustable base module</b>	<b>19301</b>
<input type="checkbox"/> 1x Adjustable Base Assembly	N/A
<input type="checkbox"/> 3x M8 x 60 C/S Bolts	60860
<input type="checkbox"/> 3x M8 x 35 Hex Head Bolts	60835
<input type="checkbox"/> 3x M8 Nyloc Nuts	60080
<input type="checkbox"/> 3x M8 Washer	60085
<input type="checkbox"/> 4x M6 x 16 Pan Head Posidriv Bolts	60616
<input type="checkbox"/> 4x M6 Nylon washers	60702
<input type="checkbox"/> 3x M8 Nylon Bolt Insulators	64000
<input type="checkbox"/> 1x Loctite 242 Sachet	10265
<input type="checkbox"/> <b>2 x 1800mm/5'11" Deck Support strut</b>	<b>19309</b>
<input type="checkbox"/> 1x 1800mm Adjustable Strut	10456
<input type="checkbox"/> 1x Deck Eye Pad	10451
<input type="checkbox"/> 1x 3" Tube Clamp Assembly	104520
<input type="checkbox"/> 1x 2mm Allen Key	63002
<input type="checkbox"/> 1x Fastening Pack	60035
<input type="checkbox"/> 4x M6 x 35 C/S Bolt	610635
<input type="checkbox"/> 3x M6 x 20 Hex Head Bolts	60621

<input type="checkbox"/>	7x M6 Nyloc Nuts	60060
<input type="checkbox"/>	6x M6 Nut Cover	60068
<input type="checkbox"/>	7x M6 Nylon Washer	60702

## 1x Levelling Mast Mount

## **LMM -1/2**

<input type="checkbox"/>	1x RSG plate/Universal Plate	10128LM/10129LM
<input type="checkbox"/>	1x Complete LMM without Plate	17LMM
<input type="checkbox"/>	1x FM Cradle	10126LM
<input type="checkbox"/>	1x Damping Chamber & Mast Adapter Assembly	17125LMM
<input type="checkbox"/>	1x LMM Instructions	N/A
<input type="checkbox"/>	1x Fastening Pack for LMM	600LMMC
<input type="checkbox"/>	1x Black EPDM Grommet – 23mm	101804
<input type="checkbox"/>	1x Foot Pack for LMM	15001L
<input type="checkbox"/>	4x Silver Feet	17001LMM
<input type="checkbox"/>	1x Fastening pack	60012
<input type="checkbox"/>	4x M6 x 30 Bolts	60630
<input type="checkbox"/>	4x M6 Nyloc Nut	60060
<input type="checkbox"/>	4x M6 Nylon Washer	60702
<input type="checkbox"/>	8x M6 Domed Cap	60068
<input type="checkbox"/>	12x 4.8 x 16mm pop rivet	60665

<input type="checkbox"/>	1x Threadlock Bottle	10265
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<input type="checkbox"/>	1x Cradle Fixing Pack	600LMC
<input type="checkbox"/>	1x Dome head M8 bolt	10125LM-12
<input type="checkbox"/>	1x M8 Castle Nut	60090
<input type="checkbox"/>	2x M8 Plain washer	60085
<input type="checkbox"/>	1x Split pin	60091
<input type="checkbox"/>	1x M8 x 12mm Grub Screw	60812
<input type="checkbox"/>	1x M8 Thumb screw	10125LM-16
<input type="checkbox"/>	1x Black Ribbed insert 28.5mm	101807
<input type="checkbox"/>	4x M6 x 20 C/S Slotted	610620
<input type="checkbox"/>	4x M6 Nyloc Nut	60060
<input type="checkbox"/>	4x M6 Spring Washer	60066
<input type="checkbox"/>	4x M6 Plain Washer	60065

<input type="checkbox"/>	1x Safety wire pack LMM	700LMM
<input type="checkbox"/>	4x Zip tie	60007
<input type="checkbox"/>	2x 4.8 x 12mm Rivet	60650
<input type="checkbox"/>	1x S/S Safety Lanyard	N/A
<input type="checkbox"/>	1x Lacing Eye	72517

## GPS Antenna Kit

## **LM-GPS**

<input type="checkbox"/>	1 x GPS adapter for Leveling Mounts	10130LM
<input type="checkbox"/>	2 x M6 x 12 Pan head Posidriv	60612
<input type="checkbox"/>	2 x M6 Saddle washer	64100

Packed and Checked.....

Identify the top and bottom of the pole. The label is at the top of the pole.

- 1) Attach the base and spigot part of the adjustable base to the pole using 4 x M6 posidrive bolts and nylon washers. Apply a drop of Loctite to the screw threads before inserting the base into the pole.
- 2) Assemble the remaining parts of the adjustable base onto the spigot to create a ball joint at the base of the pole using 3 x M8 x 40 bolts and 3 x nylon top hat washers. Tighten bolts to lightly clamp the ball joint.
- 3) Orientate the adjustable base so the open slot faces up any slope on the mounting surface.
- 4) **If you are fitting the SC117 deck flood light to your SC100 pole, an extra operation is required here, please see separate SC117 installation instructions sheet.**
- 5) Attach the struts to the pole using the 3 inch clamps making sure that the adjustable ends (identified by the inset socket headed grub screw) are at the top. The struts must be at 90° to each other and at 30°-45° to the SC100 pole (see Fig.1). Attach the deck eye pads to the bottom of each strut. Unscrew the top eye of each strut by half its thread.
- 6) Once you are happy with the position of the pole and the two struts, use the deck eye pads as templates to mark the position of the Ø6mm holes and mark round the adjustable base.
- 7) Separate the two halves of the adjustable base and lower the pole. Use the bottom half as a template to mark the bolt holes for the adjustable base and make sure the open slot still faces up the slope. Drill the mounting holes with 8mm drill for the adjustable base and 6mm for the deck eye pads. Attach the base to the deck using 3 x M8 x 60 countersunk bolts, washers and Nyloc nuts.
- 8) It is recommended that the Satcom dome is installed onto the pole at this stage. If the cable has a large plug attached; slide out the cover strip, lay the cable in the channel and slide in the cover strip from the top of the tube. You will need to release the 3" Clamps to enable you to do this.
- 9) Bolt the Universal Top Casting to the top of the pole using the fasteners in the Pole Top Fastening Pack. Use the fasteners from the SC105/6-45/R Fastening Pack to fit the SC45(R) to the Universal Top Casting (See Fig.3).
- 10) Bolt the Satcom dome to the top of the SC45(R) assembly.
- 11) It is also recommended that the Levelling Mast Mount is fixed to the pole at this stage, please see separate instructions.
- 12) You can bring out the cables at the front or back of the pole to suit your deck installation. Fig 4. demonstrates typical cable routing.
- 13) Position the bottom of the SC100 pole in the adjustable base again and re-assemble by attaching its top half using 3 x M8 x 40. Apply a drop of Loctite to each thread before assembly.

- 14) Attach the deck eye pads of each strut to the deck using 4 x M6 countersunk bolts, washers and Nyloc nuts.
- 15) Check that the pole is vertical. Lock the strut in position using the grub screws at the top end of each strut. If you need to adjust the length of the strut, release the strut from the clamp, undo the grub screw and turn the eye. Attach the strut to the clamp and lock it as before.
- 16) Firmly tighten the 3 x M8 x 40 bolts to lock the ball joint in the adjustable base. These bolts must be tight enough to eliminate any movement at the base of the pole.

**Installation of the SC117 deck flood light should now be completed. If applicable, go to point 3 on the SC117 instruction sheet.**

Fig 1. General Arrangement of Modules

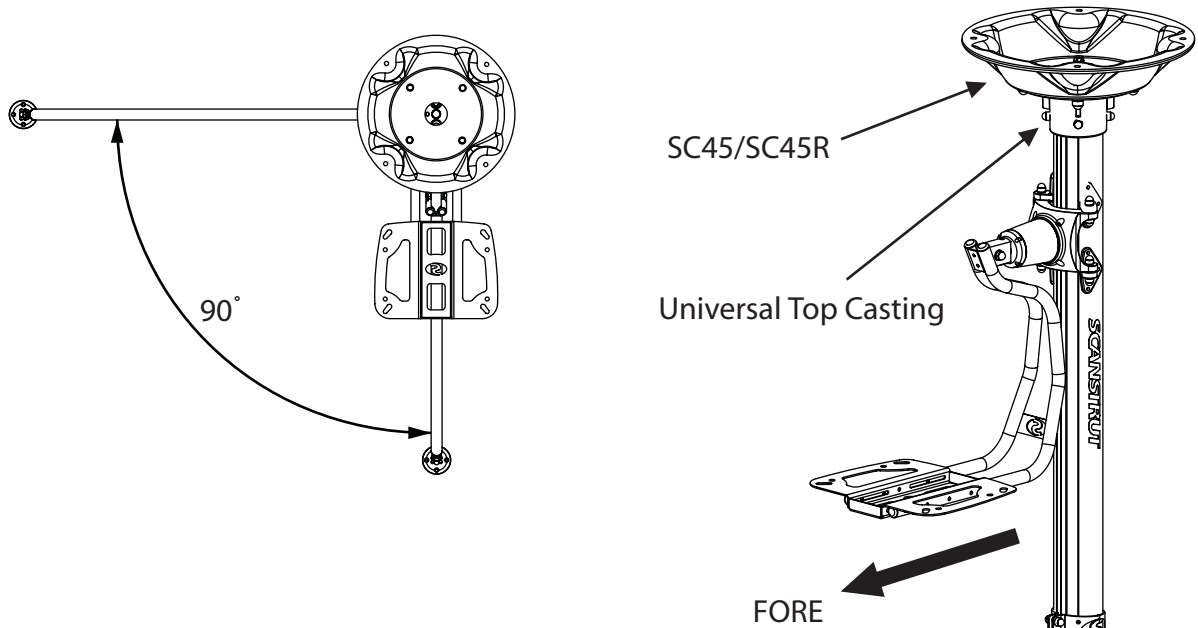


Fig 2. Adjustable Base Module

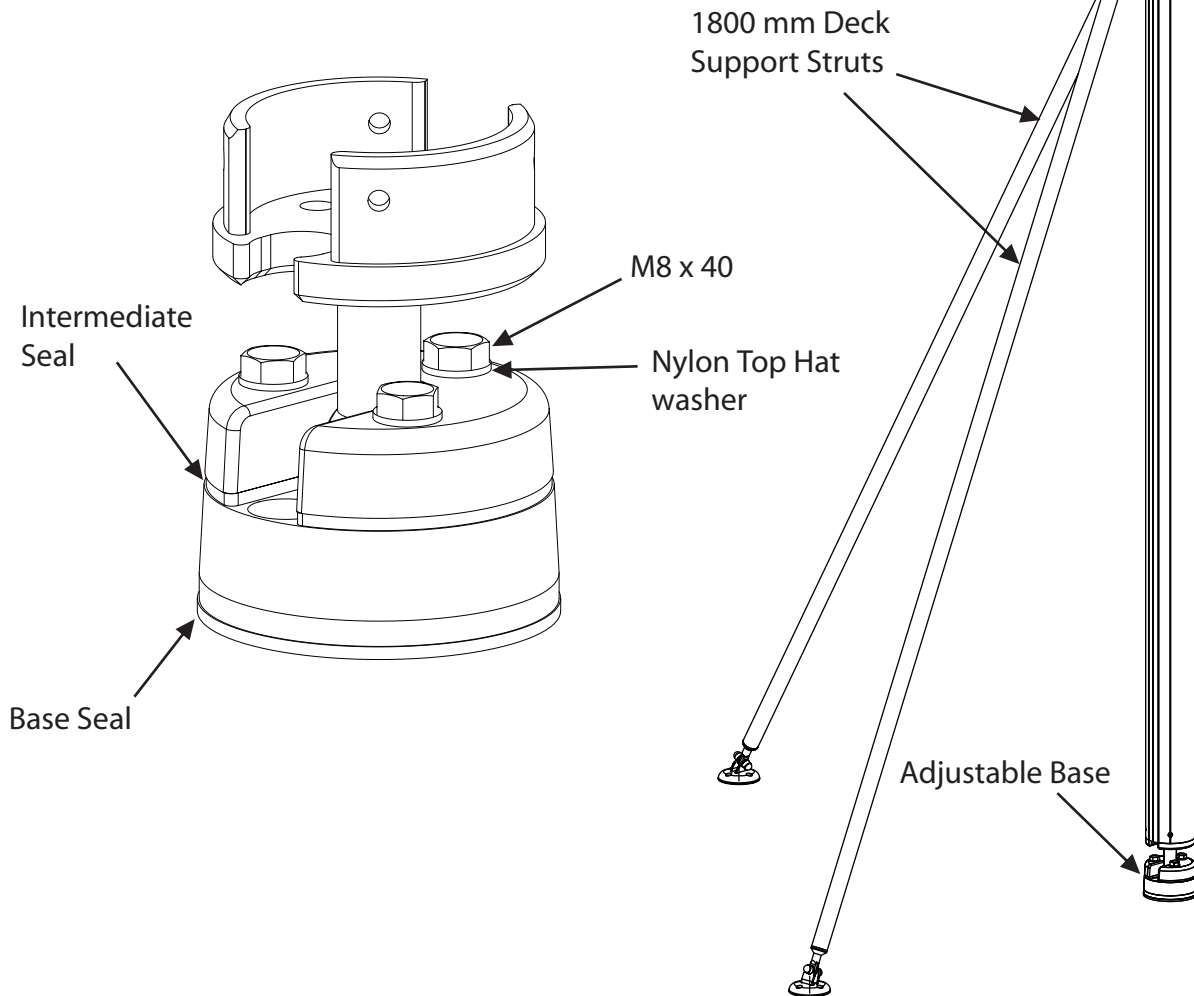


Fig 3. SC45(R) Configurations

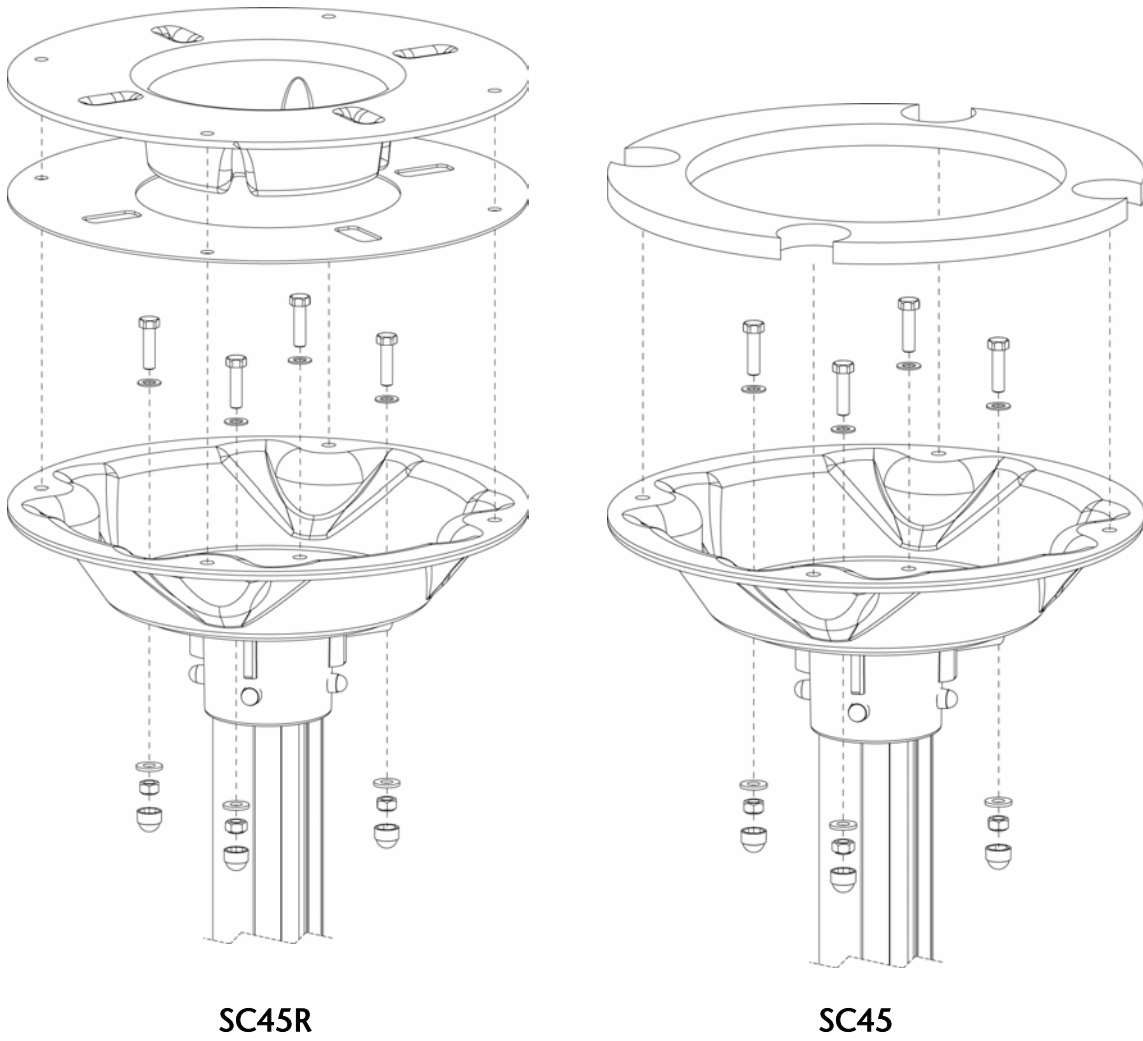


Fig 4. Cable Routing

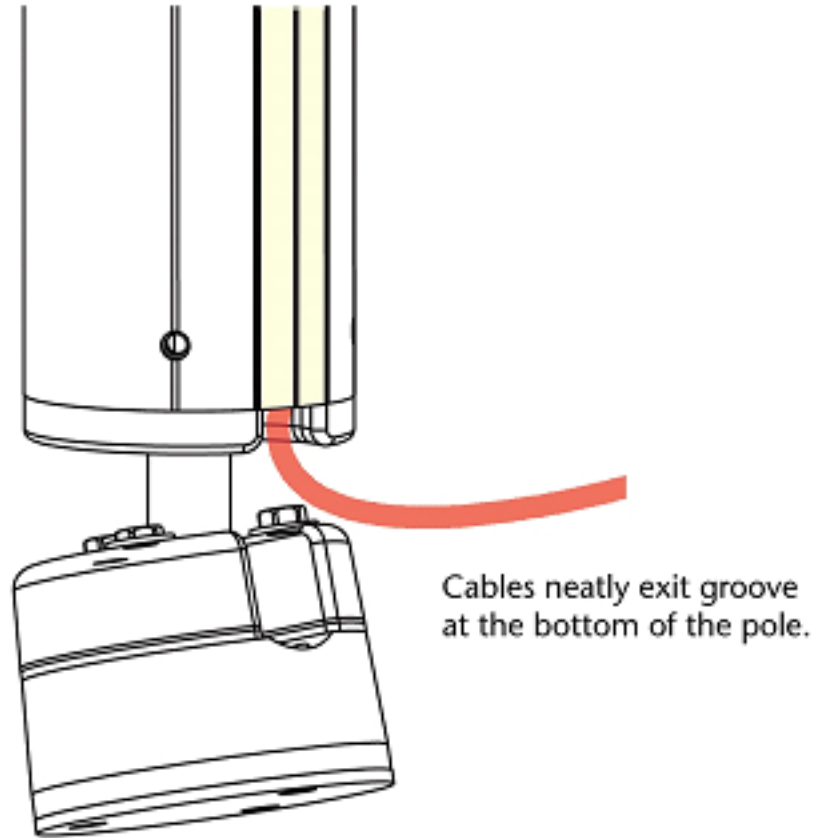


Fig 5. Deck Strut Module

