

## Spreader up-lights & down lights

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### General

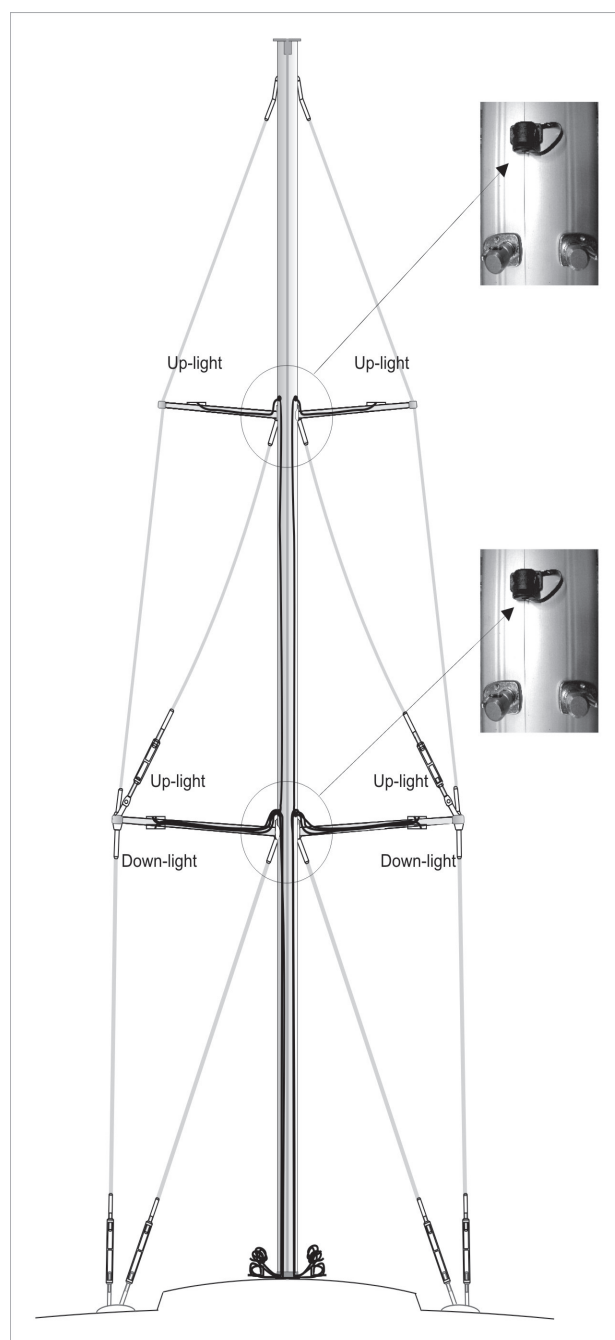
This instruction describes how to run cables from end of extrusion to spreader lights.

### Cut out location


Section	S	Section	S
F176	B+25	C156	B-25
F194	B+28	C175	B-35
F212	B+30	C193	B-35
F228	B+28	C211	B-45
F246	B+24	C227	B-50
F265	B+26	C245	B-55
F286	B+24	C264	
F305	B+24	C285	
F324	B+35	C304	
R370	B+45	E321	
		E365	

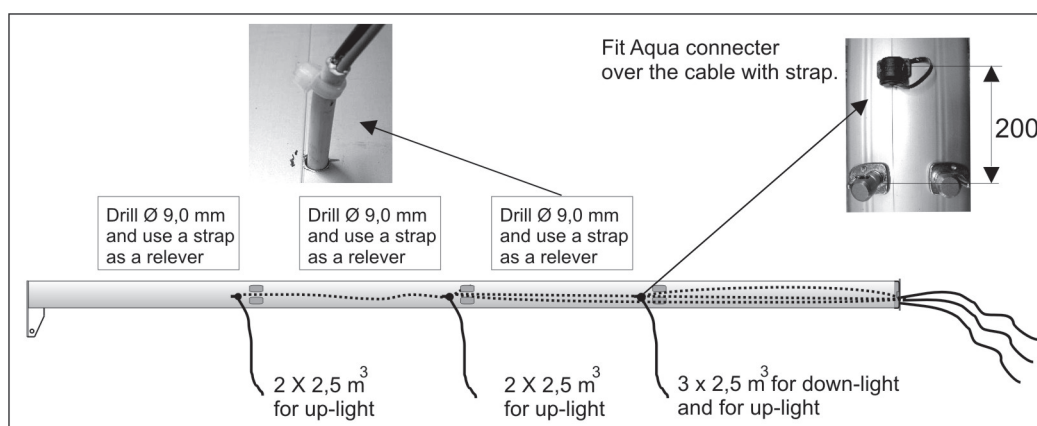
### Cut outs

1. Turn the mast to a side up position.
2. Drill a  $\varnothing$  4,9 mm hole H=200 mm above spreader height measure, for side position see table above.
3. Enlarge the hole to  $\varnothing$  8,0mm.
4. Grind the hole in and outside 
5. Proceed with the next spreader and repeat point 2-4.
6. Make similar holes on the opposite side.



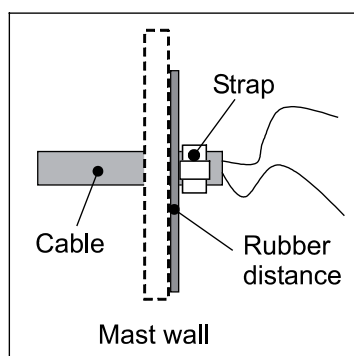
## Running cables

1. Fit the cable conduit into the mast, see PHB 1025.
2. Mark the cable conduit through the cable exits ( $\varnothing$  8,0 mm) with a pen or similar.
3. Pull out the cable conduit and make holes in the cable conduit with a hole saw  $\sim \varnothing$  20 mm, grind **C**. 
4. Push the cable conduit back into place
5. Use a plastic rod or similar and push it up to the uppermost cable exit, fit the cable to the plastic rod and pull it down to the extrusion end. If up- and downlight fit a cable with 3 wires to the first spreaders, see pic 2.
6. Proceed and pull cables through all cable exits, both sides, see pic 2.

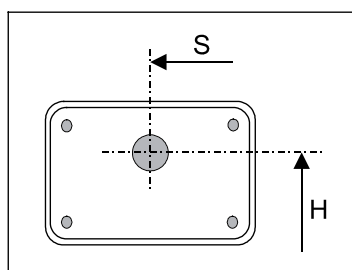


Pic 2.

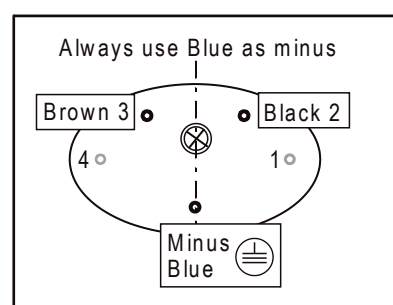
10. Fit a strap to the cables, see pic 2 and 3.
11. Fit rubber adapter over cable with strap and mark for screws, drill with  $\varnothing$  4,0 mm, see pic 4.
12. Loosen the connector with the centre screw and fit two or three wires to the connector, see pic 5.
13. Fasten the female terminal to the mast with the screws and fasten the protection hat band under one screw.
14. Proceed and fasten all Aqua terminals to the mast.
15. Fit spreader to the spreader bracket on the mast and cut the cable from the spreader lights to a suitably length, connect the wires to the male terminal, see pic 5.



Pic 3.



Pic 4.



Pic 5.

Mark the wire for down light with a tape  
Always use **Blue wire as (-) minus**.

## Check point

Check that the cables with wires are connected with the correct colours in male and female terminals.  
Fit them together and check the cable length.