



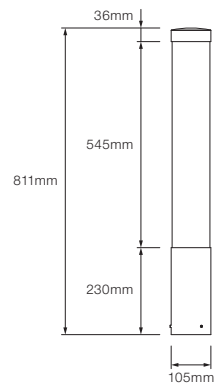
# LONSDALE RGBW INSTALLATION INSTRUCTIONS



## ■ DIMENSIONS

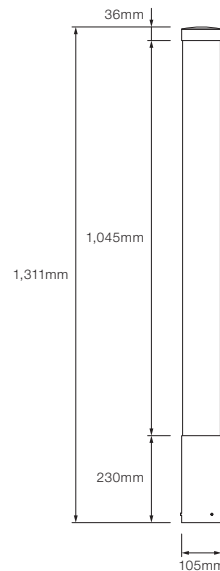
Top cap is typically white. Base is typically grey  
Can be painted to specification of the light pole.

Maximum installation height = Standard 4 – 6 metres,  
or up to 20 metres with longer cable.




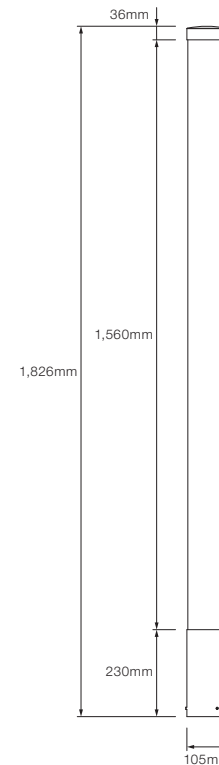
**PLE-LONSDALE-RGBW-05**

 **8.75kg**



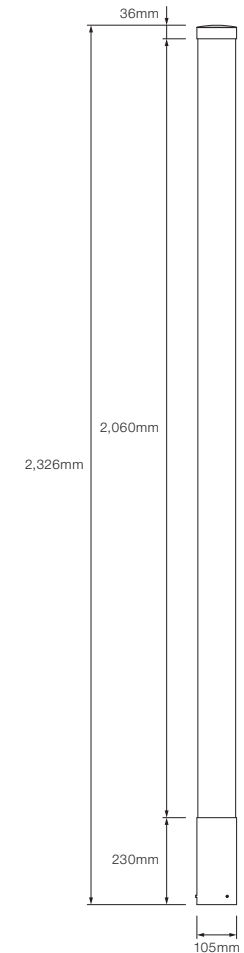
**PLE-LONSDALE-RGBW-10**

 **10.5kg**



**PLE-LONSDALE-RGBW-15**

 **12.25kg**

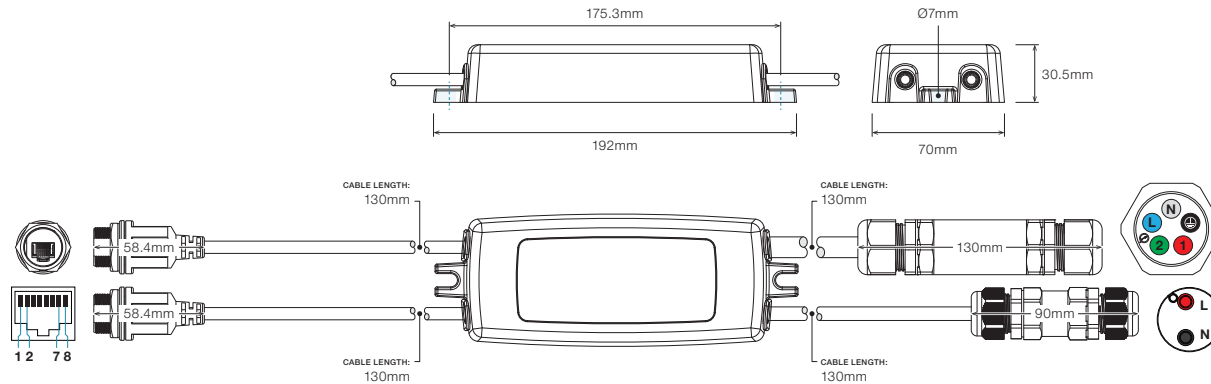


**PLE-LONSDALE-RGBW-20**

 **14.0kg**

## DRIVERS & PSUS

### RDM CV NEO • DRV-RDM CV NEO-RJ45F-OJ5-IP65



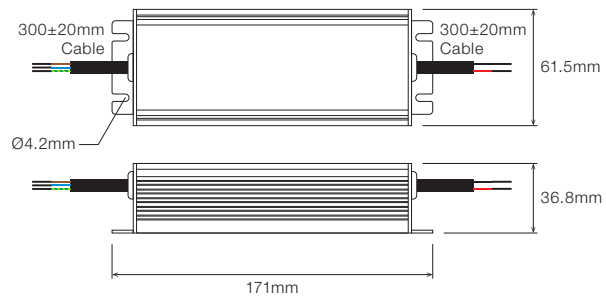
#### RJ45F • CAT5 Ethernet Female Connector

- |          |          |
|----------|----------|
| 1 DMX +  | 2 DMX -  |
| 7 Common | 8 Common |

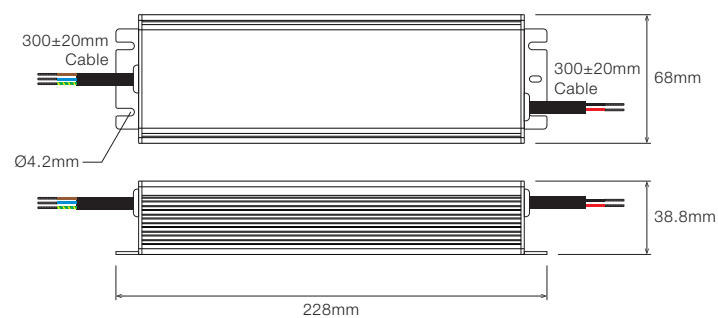
#### OJ5 • Outdoor Joiner 5 Pin

- |     |     |        |
|-----|-----|--------|
| CH3 | CH4 | Common |
| CH1 | CH2 |        |

### 60W POWER SUPPLY



### 150W POWER SUPPLY



### STEP 1

Fit Lonsdale RGBW pole over spigot and ensure cable is fed through carefully to avoid any damage.

#### Recommended Spigot Size

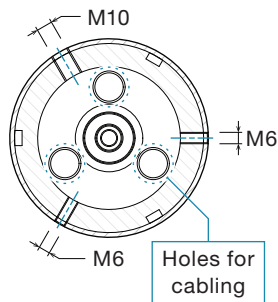
NPS 2½ / DN 65

Outer Ø: 73mm

Recommended Length: 190mm

A riser of NPS 3½ / DN 90 will match the luminaire's outer diameter.

❗ Installer should grip the assembly from the base.

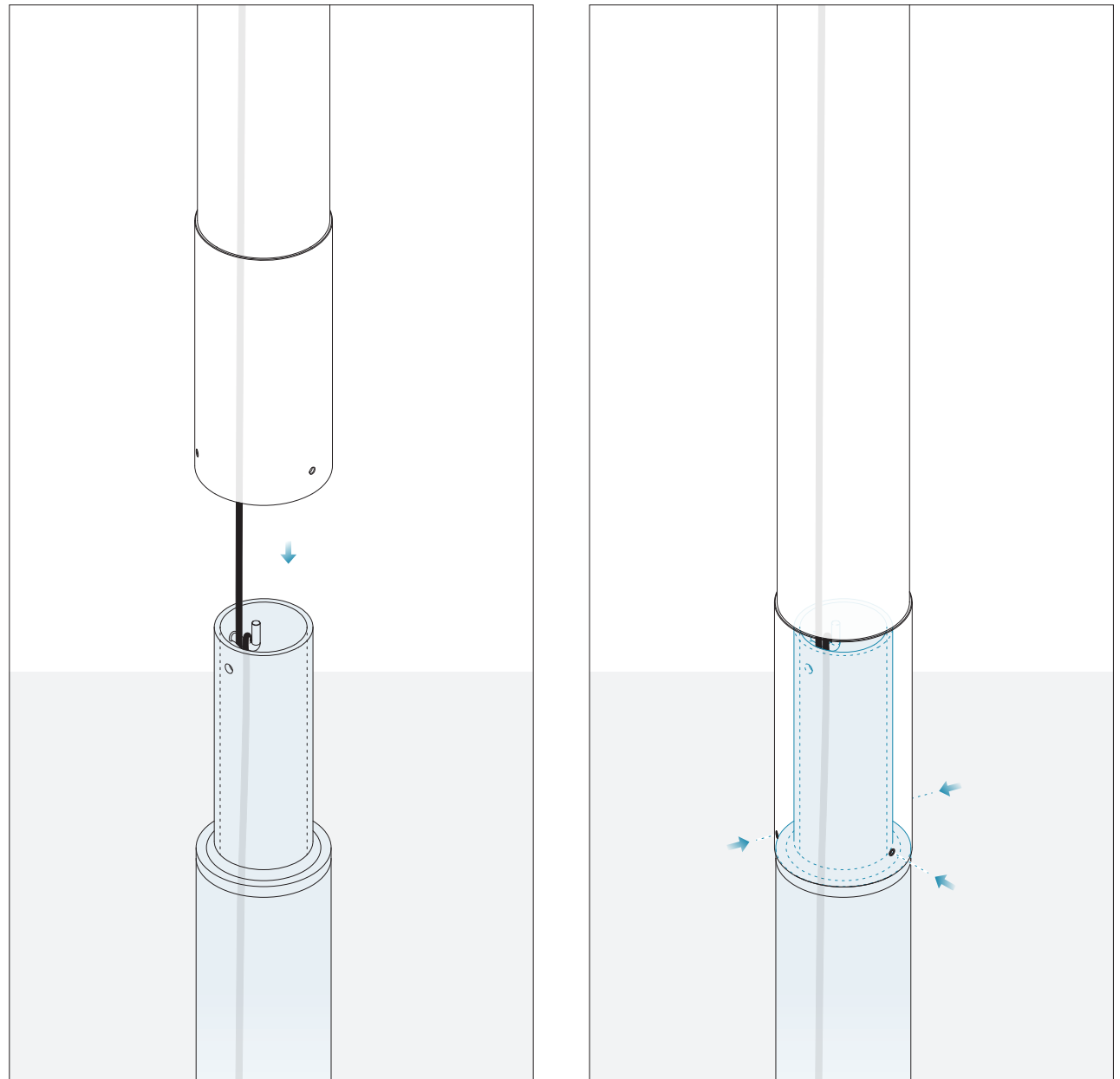


### STEP 2

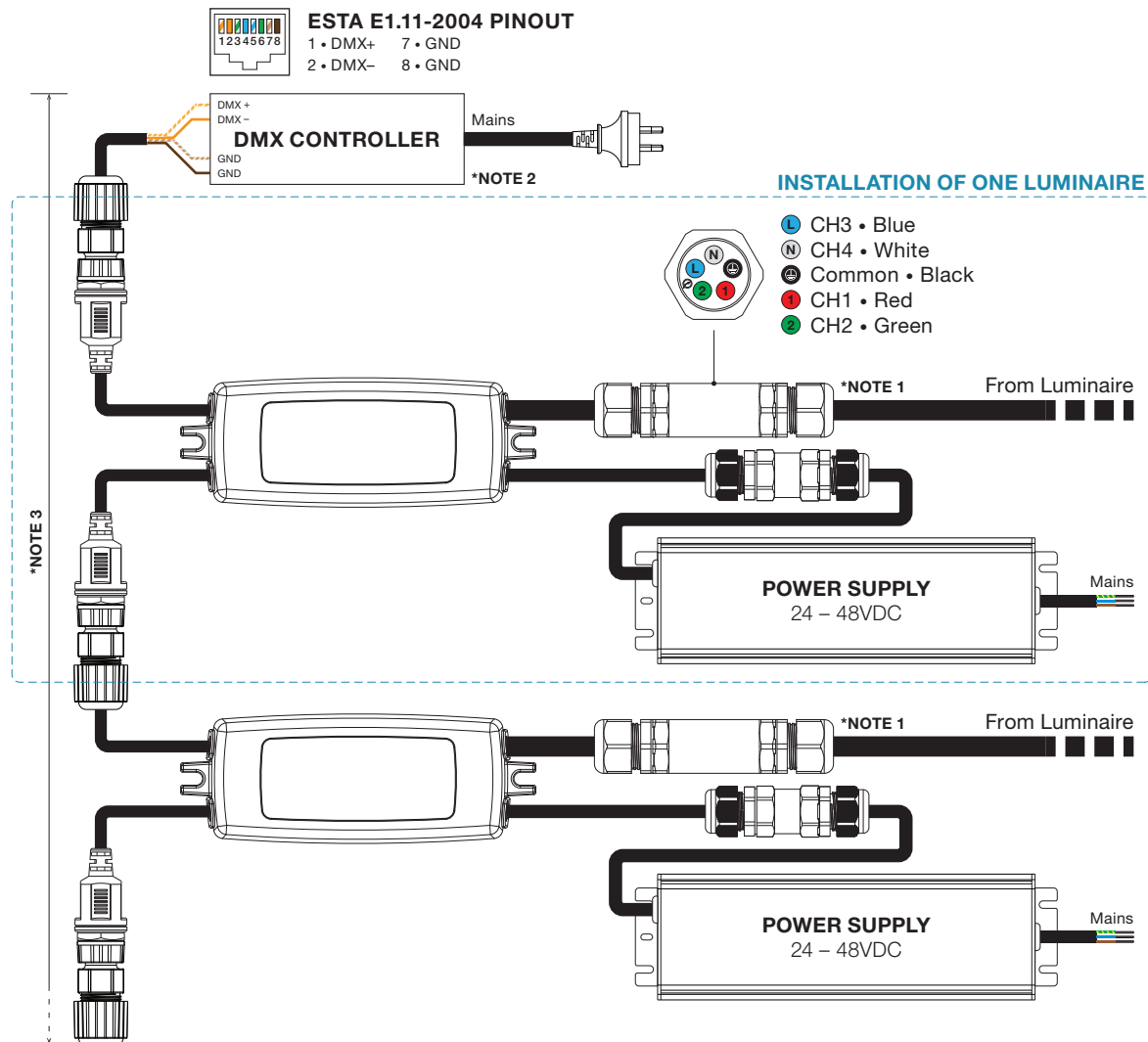
Secure using 2x M6 and 1x M10 set-screws with a torque of 8 – 9Nm. All 3 screws must be tightened.

### STEP 3

Wire up according to the wiring diagram (on next page).



## ■ WIRING



### • NOTE 1

Maximum overall distance from power supply to luminaire **MUST NOT EXCEED** 20 metres if AWG13 or 1.83mm<sup>2</sup> cable is used.

Luminaire cable (5 Core) is typically supplied at 4 metres, for longer cables please advise Coolon at procurement stages

### • NOTE 2

Cool DMX or any other standard DMX / RDM controller can be used.

### • NOTE 3

Typical CAT5 / CAT6 outdoor circular cable supplied by others. Maximum 300m from DMX control unit to the last RDM / DMX driver in a typical daisy chain topology.

### • NOTE 4

Installer to ensure fitment of RDM and PSU considering physical dimensions and appropriate location relative to luminaire.