

# POWER REPEATERS

## WHICH ONE & HOW MANY?

Do this  
for each  
zone

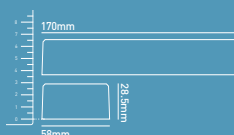
Now you know which products you are going to use and how many of them you will be using in each zone, you can establish which power repeaters you need and work out how many of them you will require.

## For all constant current products use the PR3011

### PR3011

350mA RGB & RGBW POWER REPEATER

A 350mA power supply for the RGB & RGBW product range. Simply wire up to 100 PR3011 to a C100924 for a quick and simple colour change installation, giving you the ability to have as many as 600 luminaires per zone.



## Calculate how many PR3011s you need for the products you have

Product Code	Product Family	Max Per PR3011
DL329RGBW	Downlight	6
GL007RGBW	Ground Light	2
GL008RGBW	Ground Light	1
GL016RGBW	Ground Light	6
GL040CARGB	Ground Light	6
GL050RGBW	Ground Light	6
GL090RGBW	Ground Light	2
LL030CARGB	Downlight	6
LL090RGBW	Downlight	2
SL220CARGB / SL021CARGB	Spike Light	6
UL010RGBW	Universal Light	6
UL030RGBW	Universal Light	2
UL345CARGB	Universal Light	1
UL346CARGB	Universal Light	1
UL347CARGB	Universal Light	1
WL070RGBW	Wall Light	1
WL075CARGB	Wall Light	2
WL220CARGB / WL021CARGB	Wall Light	6

### For example...

If you had selected these products for your zone



Using the table to the left we can see that you would need to spread them over the following power repeaters



This means you would need to order the following...



! Don't forget you'll need 300mm of CF505RGBW cable for every power repeater you use.

## Don't forget your 24V driver to power your power repeater

The products will be powered by power repeaters that require a 24V driver. The table shows you which driver you need for the number of power repeaters you are using.

If you require more than 5 power repeaters you will need another driver.

Number of Power Repeaters	Wattage Driver Needed	Product (Driver)
1	50W	PS5024
2 - 3	100W	PS10024
4 - 5	150W	PSIP15024

### If we were to continue the example...

In the example we calculated that we need 3 x PR3011. Using the table to the left we can see that we need a 100W driver. This means that you will need to order the following...

