

PRODUCTS PER DRIVER MATRIX 4/4

Choosing the right power repeater and driver

COLOUR CHANGE

For all constant current products you will need the **PR3011** and for all constant voltage products you will need the **PR3002**.
Once you know how many products will be installed in your zone use the relevant tables to work out how many power repeaters you will need and which driver to power them.

Do this
for each
zone

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Length of strip per power repeater	Wattage driver required	Product (driver)
Up to 2m per PR3002	50W	PS5024
Up to 5m per PR3002	100W	PS10024
Up to 10m per PR3002	150W	PSIP15024

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Length of strip per power repeater	Wattage driver required	Product (driver)
Up to 5m per PR3002	50W	PS5024
Up to 10m per PR3002	100W	PS10024

DIMMING INTERFACE & POWER REPEATER COMPARISON 1/1

For full interface and power repeater specifications visit our website collingwoodlighting.com

	TYPE OF INTERFACE	RATED WATTAGE	INPUT CURRENT	INPUT VOLTAGE	OUTPUT CURRENT	OUTPUT VOLTAGE	POWER FACTOR	AMBIENT TEMP: (TA = °C)	CASE TEMP: (TC = °C)	CONTROL	DOUBLE INSULATION	EFFICIENCY	IP RATING	INRUSH CURRENT
 HAL 104  PDCINT1-10V  DALIDIM	INTERFACE FOR DIMMING (USED WITH DRIVER)													
	DALI	<0.05A	220-240V				0.5	-20°C to 50°C	65°C	DALI broadcast dimming	Yes	80%	IP20	20A 0.4ms
	1-10V for 24V drivers	288W	12A max.	24V DC	12A max.	24V DC		-25°C to 40°C	70°C	1-10V dimming		99%	IP20	
	DALI	500W	TBC	220-240V	2 x 1.2A	220-240V	0.5	-20°C to 50°C	50°C	DALI		TBC	IP20	TBC
	CONSTANT CURRENT / CONSTANT VOLTAGE	RATED WATTAGE	INPUT CURRENT	INPUT VOLTAGE	OUTPUT CURRENT	OUTPUT VOLTAGE		AMBIENT TEMP: (TA = °C)	CASE TEMP: (TC = °C)	CONTROL				
POWER REPEATERS FOR COLOUR CHANGE (DRIVER REQUIRED)														
 PR3011	Constant current	4 x 8.4W max.	1.6A max.	24V DC	4 x 350mA	4 x 24V max.		40°C	70°C				C100924 / DMX2102	
 PR3002	Constant voltage	39W channel max.	6.5A max.	24V DC	4 x 1.6A	4 x 24V		40°C	70°C				C100924 / DMX2102	