

Driver selection guide

For selecting the optimum driver to use with Corvus, Libra and Pyxis fixtures

To optimize luminaire efficacy when connecting LEDs in series, supply several fixtures from one driver

Determine if a dimmable or non-dimmable driver is required

Select the maximum number of LEDs that may be connected to one driver [Never connect more than the maximum permitted number]

Find the relevant power rating

Select the driver that best meets the required power and approvals

Driver types

Dimming	No. of LEDs	Power rating	Voltage	Expected lifetime	Efficiency	Approvals	Connections	L x W x H	Item no.
None	1-8	10 W	120-240 AC	50,000 h	80%	EN/UL	Screw terminals	100 x 40 x 27 mm	1100 0101
1-10 V	1-7	9 W	200-240 AC	50,000 h	76%*	EN	Screw terminals	109 x 53 x 33 mm	1103 2104
Phase control	4-12	18 W	120 AC	50,000 h	80%	UL	Wire	183 x 44 x 30 mm	1103 1181

Low-voltage Class 2 constant current 350 mA drivers

Unless otherwise indicated, data supplied by driver manufacturer

*Measured by Roblon at maximum load

NB:

Only use a Constant Current driver

Max. current: 350 mA. Risk with higher currents: LED damage; drastically reduced lifetime; luminaire failure

Driver power rating can vary +/- 10% from nominal value

Risk with drivers not compliant with ratings: LED damage; flickering; permanently reduced light output

For dynamic adjustment of light intensity, use a dimmable driver

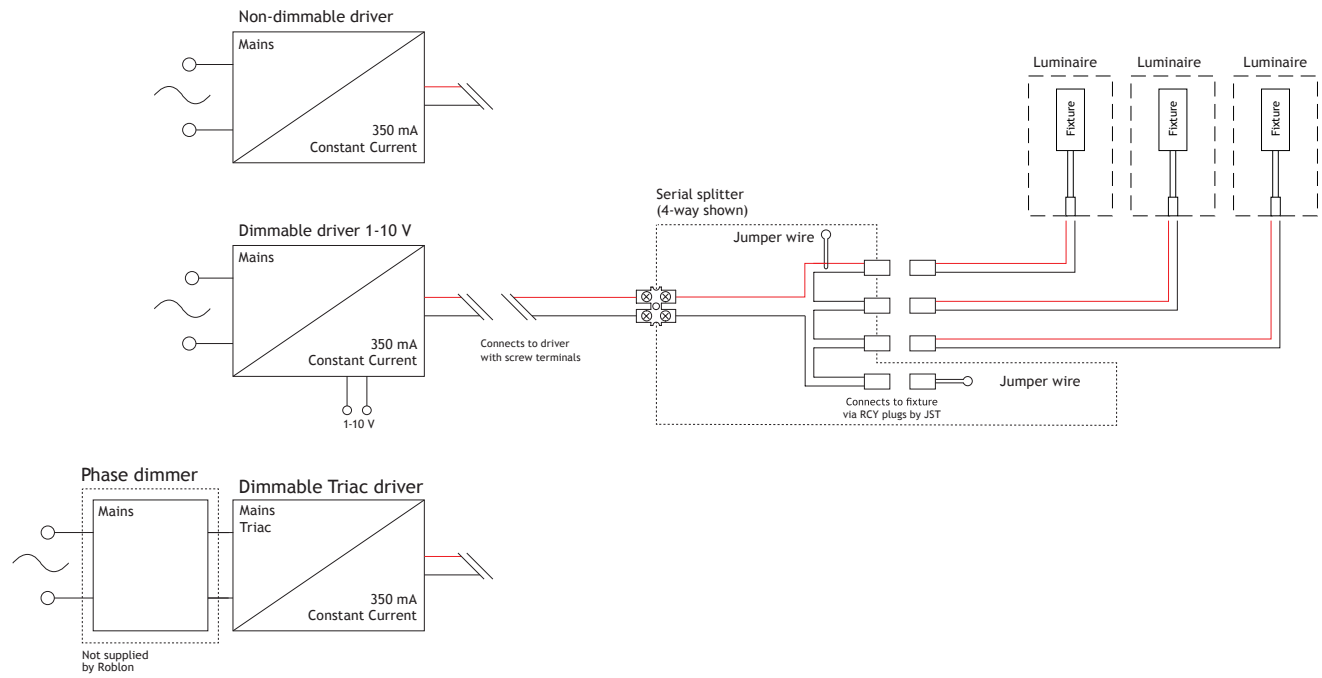
For consistently well-defined light output, always connect the fixtures in series

For connecting multiple fixtures to one driver, use a serial splitter

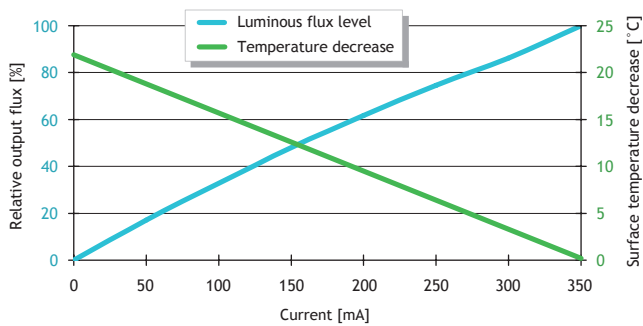
For non-standard wires or >8 splits per driver, calculate for electronic loss in the wires

Full driver product range and selection data available at www.roblonlighting.com

Driver wiring guide



Dimming performance



CCT within 50 K and CRI_s within 1 throughout the dimming range