

Driver selection guide

For selecting the optimum driver to use with XPO-led conduit systems

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

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

No. of LEDs	Power rating	Voltage	Expected lifetime	Efficiency	Approvals	Connections	L x W x H	Item no.
10	10 W	120-240 AC	50,000 h	78%	EN	Wire	81 x 40 x 23 mm	1101 2101
25	25 W	100-277 AC	50,000 h	80%	EN	Wire	133 x 40 x 31 mm	1101 2251
60	60 W	100-277 AC	50,000 h	87%	EN	Wire	198 x 44 x 40 mm	1101 2601
100	100 W	120-240 AC	50,000 h	83%	EN	Wire	230 x 65 x 42 mm	1101 2951
10	10 W	120-240 AC	50,000 h	78%	UL	Wire	81 x 40 x 23 mm	1101 1101
25	25 W	100-277 AC	50,000 h	80%	UL	Wire	133 x 40 x 31 mm	1101 1251
60	60 W	100-277 AC	50,000 h	87%	UL	Wire	198 x 44 x 40 mm	1101 1601
95	96 W	90-264 AC	>35,000 h	87%	EN/UL	Wire	222 x 68 x 39 mm	1101 0963

Low-voltage Class 2 Constant Voltage 24 V drivers
Data supplied by driver manufacturers

NB:

Only use a Constant Voltage driver

Total watt usage must not exceed driver power rating

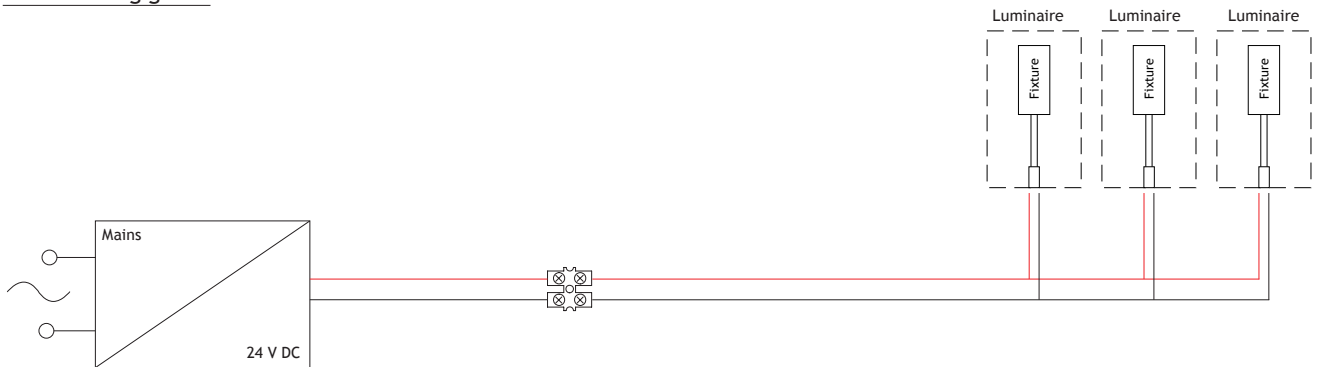
Driver power rating can vary +/- 10% from nominal value

Risk with drivers not compliant with ratings: electronic damage; flickering

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

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Driver wiring guide



Calculate conduit size

Conduit size = the actual section in which LEDs can be installed

Min. 140 mm, max. 2.1 m

Calculate conduit size by subtracting fixed part dimensions

Vertical XPO-led:	Height - 10 mm
Wall-to-wall XPO-led:	Width - 10 mm
Horizontal XPO-led Ø8 mm legs:	Width - 48 mm
Horizontal XPO-led Ø26 mm legs:	Width - 94 mm
Free-mounted XPO-led:	Width - 6 mm
Surface-mounted XPO-led:	Width - 35 mm
Suspended XPO-led custom:	Width - 56 mm

Calculate number of LEDs

Min. conduit length [mm]	Total LEDs	5-LED modules	4-LED modules
150	4	0	1
185	5	1	0
290	8	0	2
325	9	1	1
360	10	2	0
430	12	0	3
465	13	1	2
500	14	2	1
535	15	3	0
570	16	0	4
605	17	1	3
640	18	2	2
675	19	3	1
710	20	4	0
745	21	1	4
780	22	2	3
815	23	3	2
850	24	4	1
885	25	5	0
920	26	2	4
955	27	3	3
980	28	4	2
1,025	29	5	1
1,060	30	6	0
1,095	31	3	4
1,130	32	4	3
1,165	33	5	2
1,200	34	6	1
1,235	35	7	0
1,270	36	4	4
1,305	37	5	3
1,340	38	6	2
1,375	39	7	1
1,410	40	8	0
1,445	41	5	4
1,480	42	6	3
1,515	43	7	2
1,550	44	8	1
1,585	45	9	0
1,620	46	6	4
1,655	47	7	3
1,690	48	8	2
1,725	49	9	1
1,760	50	10	0
1,795	51	7	4
1,830	52	8	3
1,865	53	9	2
1,900	54	10	1
1,935	55	11	0
1,970	56	8	4
2,005	57	9	3
2,040	58	10	2
2,075	59	11	1
2,110	60	12	0