

Full illumination guide - IP Rated systems

This full illumination sheet is designed to be used for straight lengths ONLY up to 20 metres, if you require full illumination for bends or if the length you require is over 20 metres please contact sales@lpegroup.com.au and we will create a shop drawing for this purpose.

Due to led strip constraints when a length is ordered it is rarely end to end illumination, we will always go back with over and under lengths to ensure a full illumination length is achieved if desired.

To work out your length, all that is required is to look through the list below, for example; You require a 3600mm of VL11 3K/4K, the under illumination length for this would be 3560mm and the over length would be 3610mm. You can then work out if you did order the original length at 3600mm the custom gap would be 40mm (which is not recommended)

For VL11, VL16, VL19, VL24 customgap is recommended to keep equal or less than 5mm. Unless system is concealed or full illumination is not necessary.

For the following systems VL11 & VL16 there will be a power feed approximately every 4010mm. This will be through the back of the system unless otherwise specified.

VL11 & VL16 Module size is approximately 4010-4020mm, if your length is over 4000mm there will be multiple systems provided to make up the desired length.

For VL19 there will be a power feed approximately every 1995mm. This will be through the back of the system unless otherwise specified.

VL19 Module size is approximately 1995mm, if your length is over 1995mm there will be multiple systems provided to make up the desired length.

For VL24 there will be a power feed approximately every 2010mm. This will be through the back of the system unless otherwise specified.

VL24 Module size is approximately 2010mm, if your length is over 2010mm there will be multiple systems provided to make up the desired length.

As these systems are ordered in there will be a tolerance of 5mm for the below list, if the length differs once we have put this through to the manufacturing process you will be advised.

VL11 3K/4K (mm)	VL16 3K/4K (mm)	VL19 5/10M (mm)	VL19 20W (mm)	VL24 10W 3K/4K (mm)	VL11 RGBW (mm)	VL16 RGBW (mm)	VL24 RGBW (mm)
60	65	77	48	110	110	120	110
110	115	139	81	210	210	220	210
160	165	201	114	310	310	320	310
210	215	263	147	410	410	420	410
260	265	325	180	510	510	520	510
310	315	387	213	610	610	620	610
360	365	449	246	710	710	720	710
410	415	510	279	810	810	820	810
460	465	572	312	910	910	920	910
510	515	634	345	1010	1010	1020	1010
560	565	696	378	1110	1110	1120	1110
610	615	758	411	1210	1210	1220	1210
660	665	820	444	1310	1310	1320	1310
710	715	882	477	1410	1410	1420	1410
760	765	944	510	1510	1510	1520	1510
810	815	1005	543	1610	1610	1620	1610
860	865	1067	576	1710	1710	1720	1710
910	915	1129	609	1810	1810	1820	1810
960	965	1191	642	1910	1910	1920	1910
1010	1015	1253	675	2010	2010	2020	2010
1060	1065	1315	708	2120	2110	2120	2120
1110	1115	1377	741	2220	2210	2220	2220
1160	1165	1439	774	2320	2310	2320	2320
1210	1215	1500	807	2420	2410	2420	2420
1260	1265	1562	840	2520	2510	2520	2520
1310	1315	1624	873	2620	2610	2620	2620
1360	1365	1686	906	2720	2710	2720	2720
1410	1415	1748	939	2820	2810	2820	2820
1460	1465	1810	972	2920	2910	2920	2920
1510	1515	1872	1005	3020	3010	3020	3020
1560	1565	1934	1038	3120	3110	3120	3120
1610	1615	1995	1071	3220	3210	3220	3220
1660	1665	2072	1104	3320	3310	3320	3320
1710	1715	2134	1137	3420	3410	3420	3420
1760	1765	2196	1170	3520	3510	3520	3520
1810	1815	2258	1203	3620	3610	3620	3620
1860	1865	2320	1236	3720	3710	3720	3720
1910	1915	2382	1269	3820	3810	3820	3820
1960	1965	2444	1302	3920	3910	3920	3920
2010	2015	2505	1335	4020	4010	4020	4020
2060	2065	2567	1368	4130	4120	4140	4130
2110	2115	2629	1401	4230	4220	4240	4230
2160	2165	2691	1434	4330	4320	4340	4330
2210	2215	2753	1467	4430	4420	4440	4430
2260	2265	2815	1500	4530	4520	4540	4530
2310	2315	2877	1533	4630	4620	4640	4630
2360	2365	2939	1566	4730	4720	4740	4730
2410	2415	3000	1599	4830	4820	4840	4830
2460	2465	3062	1632	4930	4920	4940	4930
2510	2515	3124	1665	5030	5020	5040	5030
2560	2565	3186	1698	5130	5120	5140	5130
2610	2615	3248	1731	5230	5220	5240	5230
2660	2665	3310	1764	5330	5320	5340	5330
2710	2715	3372	1797	5430	5420	5440	5430
2760	2765	3434	1830	5530	5520	5540	5530
2810	2815	3495	1863	5630	5620	5640	5630
2860	2865	3557	1896	5730	5720	5740	5730
2910	2915	3619	1929	5830	5820	5840	5830
2960	2965	3681	1962	5930	5920	5940	5930

VL11 3K/4K (mm)	VL16 3K/4K (mm)	VL19 5/10M (mm)	VL19 20W (mm)	VL24 10W 3K/4K (mm)	VL11 RGBW (mm)	VL16 RGBW (mm)	VL24 RGBW (mm)
3010	3015	3743	1995	6030	6020	6040	6030
3060	3065	3805	2043	6140	6120	6140	6140
3110	3115	3867	2076	6240	6220	6240	6240
3160	3165	3929	2109	6340	6320	6340	6340
3210	3215	3990	2142	6440	6420	6440	6440
3260	3265	4067	2175	6540	6520	6540	6540
3310	3315	4129	2208	6640	6620	6640	6640
3360	3365	4191	2241	6740	6720	6740	6740
3410	3415	4253	2274	6840	6820	6840	6840
3460	3465	4315	2307	6940	6920	6940	6940
3510	3515	4377	2340	7040	7020	7040	7040
3560	3565	4439	2373	7140	7120	7140	7140
3610	3615	4500	2406	7240	7220	7240	7240
3660	3665	4562	2439	7340	7320	7340	7340
3710	3715	4624	2472	7440	7420	7440	7440
3760	3765	4686	2505	7540	7520	7540	7540
3810	3815	4748	2538	7640	7620	7640	7640
3860	3865	4810	2571	7740	7720	7740	7740
3910	3915	4872	2604	7840	7820	7840	7840
3960	3965	4934	2637	7940	7920	7940	7940
4010	4015	4995	2670	8040	8020	8040	8040
4070	4080	5057	2703	8150	8130	8160	8150
4120	4130	5119	2736	8250	8230	8260	8250
4170	4180	5181	2769	8350	8330	8360	8350
4220	4230	5243	2802	8450	8430	8460	8450
4270	4280	5305	2835	8550	8530	8560	8550
4320	4330	5367	2868	8650	8630	8660	8650
4370	4380	5429	2901	8750	8730	8760	8750
4420	4430	5490	2934	8850	8830	8860	8850
4470	4480	5552	2967	8950	8930	8960	8950
4520	4530	5614	3000	9050	9030	9060	9050
4570	4580	5676	3033	9150	9130	9160	9150
4620	4630	5738	3066	9250	9230	9260	9250
4670	4680	5800	3099	9350	9330	9360	9350
4720	4730	5862	3132	9450	9430	9460	9450
4770	4780	5924	3165	9550	9530	9560	9550
4820	4830	5985	3198	9650	9630	9660	9650
4870	4880	6062	3231	9750	9730	9760	9750
4920	4930	6124	3264	9850	9830	9860	9850
4970	4980	6186	3297	9950	9930	9960	9950
5020	5030	6248	3330	10050	10030	10060	10050
5070	5080	6310	3363	10160	10130	10160	10160
5120	5130	6372	3396	10260	10230	10260	10260
5170	5180	6434	3429	10360	10330	10360	10360
5220	5230	6495	3462	10460	10430	10460	10460
5270	5280	6557	3495	10560	10530	10560	10560
5320	5330	6619	3528	10660	10630	10660	10660
5370	5380	6681	3561	10760	10730	10760	10760
5420	5430	6743	3594	10860	10830	10860	10860
5470	5480	6805	3627	10960	10930	10960	10960
5520	5530	6867	3660	11060	11030	11060	11060
5570	5580	6929	3693	11160	11130	11160	11160
5620	5630	6990	3726	11260	11230	11260	11260
5670	5680	7052	3759	11360	11330	11360	11360
5720	5730	7114	3792	11460	11430	11460	11460
5770	5780	7176	3825	11560	11530	11560	11560
5820	5830	7238	3858	11660	11630	11660	11660
5870	5880	7300	3891	11760	11730	11760	11760
5920	5930	7362	3924	11860	11830	11860	11860

VL11 3K/4K (mm)	VL16 3K/4K (mm)	VL19 5/10M (mm)	VL19 20W (mm)	VL24 10W 3K/4K (mm)	VL11 RGBW (mm)	VL16 RGBW (mm)	VL24 RGBW (mm)
5970	5980	7424	3957	11960	11930	11960	11960
6020	6030	7485	3990	12060	12030	12060	12060
6070	6080	7547	4038	12170	12140	12180	12170
6120	6130	7609	4071	12270	12240	12280	12270
6170	6180	7671	4104	12370	12340	12380	12370
6220	6230	7733	4137	12470	12440	12480	12470
6270	6280	7795	4170	12570	12540	12580	12570
6320	6330	7857	4203	12670	12640	12680	12670
6370	6380	7919	4236	12770	12740	12780	12770
6420	6430	7980	4269	12870	12840	12880	12870
6470	6480	8057	4302	12970	12940	12980	12970
6520	6530	8119	4335	13070	13040	13080	13070
6570	6580	8181	4368	13170	13140	13180	13170
6620	6630	8243	4401	13270	13240	13280	13270
6670	6680	8305	4434	13370	13340	13380	13370
6720	6730	8367	4467	13470	13440	13480	13470
6770	6780	8429	4500	13570	13540	13580	13570
6820	6830	8490	4533	13670	13640	13680	13670
6870	6880	8552	4566	13770	13740	13780	13770
6920	6930	8614	4599	13870	13840	13880	13870
6970	6980	8676	4632	13970	13940	13980	13970
7020	7030	8738	4665	14070	14040	14080	14070
7070	7080	8800	4698	14180	14140	14180	14180
7120	7130	8862	4731	14280	14240	14280	14280
7170	7180	8924	4764	14380	14340	14380	14380
7220	7230	8985	4797	14480	14440	14480	14480
7270	7280	9047	4830	14580	14540	14580	14580
7320	7330	9109	4863	14680	14640	14680	14680
7370	7380	9171	4896	14780	14740	14780	14780
7420	7430	9233	4929	14880	14840	14880	14880
7470	7480	9295	4962	14980	14940	14980	14980
7520	7530	9357	4995	15080	15040	15080	15080
7570	7580	9419	5028	15180	15140	15180	15180
7620	7630	9480	5061	15280	15240	15280	15280
7670	7680	9542	5094	15380	15340	15380	15380
7720	7730	9604	5127	15480	15440	15480	15480
7770	7780	9666	5160	15580	15540	15580	15580
7820	7830	9728	5193	15680	15640	15680	15680
7870	7880	9790	5226	15780	15740	15780	15780
7920	7930	9852	5259	15880	15840	15880	15880
7970	7980	9914	5292	15980	15940	15980	15980
8020	8030	9975	5325	16080	16040	16080	16080
8080	8095	10052	5358	16190	16150	16200	16190
8130	8145	10114	5391	16290	16250	16300	16290
8180	8195	10176	5424	16390	16350	16400	16390
8230	8245	10238	5457	16490	16450	16500	16490
8280	8295	10300	5490	16590	16550	16600	16590
8330	8345	10362	5523	16690	16650	16700	16690
8380	8395	10424	5556	16790	16750	16800	16790
8430	8445	10485	5589	16890	16850	16900	16890
8480	8495	10547	5622	16990	16950	17000	16990
8530	8545	10609	5655	17090	17050	17100	17090
8580	8595	10671	5688	17190	17150	17200	17190
8630	8645	10733	5721	17290	17250	17300	17290
8680	8695	10795	5754	17390	17350	17400	17390
8730	8745	10857	5787	17490	17450	17500	17490
8780	8795	10919	5820	17590	17550	17600	17590
8830	8845	10980	5853	17690	17650	17700	17690
8880	8895	11042	5886	17790	17750	17800	17790

VL11 3K/4K (mm)	VL16 3K/4K (mm)	VL19 5/10M (mm)	VL19 20W (mm)	VL24 10W 3K/4K (mm)	VL11 RGBW (mm)	VL16 RGBW (mm)	VL24 RGBW (mm)
8930	8945	11104	5919	17890	17850	17900	17890
8980	8995	11166	5952	17990	17950	18000	17990
9030	9045	11228	5985	18090	18050	18100	18090
9080	9095	11290	6033	18200	18150	18200	18200
9130	9145	11352	6066	18300	18250	18300	18300
9180	9195	11414	6099	18400	18350	18400	18400
9230	9245	11475	6132	18500	18450	18500	18500
9280	9295	11537	6165	18600	18550	18600	18600
9330	9345	11599	6198	18700	18650	18700	18700
9380	9395	11661	6231	18800	18750	18800	18800
9430	9445	11723	6264	18900	18850	18900	18900
9480	9495	11785	6297	19000	18950	19000	19000
9530	9545	11847	6330	19100	19050	19100	19100
9580	9595	11909	6363	19200	19150	19200	19200
9630	9645	11970	6396	19300	19250	19300	19300
9680	9695	12047	6429	19400	19350	19400	19400
9730	9745	12109	6462	19500	19450	19500	19500
9780	9795	12171	6495	19600	19550	19600	19600
9830	9845	12233	6528	19700	19650	19700	19700
9880	9895	12295	6561	19800	19750	19800	19800
9930	9945	12357	6594	19900	19850	19900	19900
9980	9995	12419	6627	20000	19950	20000	20000
10030	10045	12480	6660	20100	20050	20100	20100
10080	10095	12542	6693				
10130	10145	12604	6726				
10180	10195	12666	6759				
10230	10245	12728	6792				
10280	10295	12790	6825				
10330	10345	12852	6858				
10380	10395	12914	6891				
10430	10445	12975	6924				
10480	10495	13037	6957				
10530	10545	13099	6990				
10580	10595	13161	7023				
10630	10645	13223	7056				
10680	10695	13285	7089				
10730	10745	13347	7122				
10780	10795	13409	7155				
10830	10845	13470	7188				
10880	10895	13532	7221				
10930	10945	13594	7254				
10980	10995	13656	7287				
11030	11045	13718	7320				
11080	11095	13780	7353				
11130	11145	13842	7386				
11180	11195	13904	7419				
11230	11245	13965	7452				
11280	11295	14042	7485				
11330	11345	14104	7518				
11380	11395	14166	7551				
11430	11445	14228	7584				
11480	11495	14290	7617				
11530	11545	14352	7650				
11580	11595	14414	7683				
11630	11645	14475	7716				
11680	11695	14537	7749				
11730	11745	14599	7782				
11780	11795	14661	7815				
11830	11845	14723	7848				

VL11 3K/4K (mm)	VL16 3K/4K (mm)	VL19 5/10M (mm)	VL19 20W (mm)	VL24 10W 3K/4K (mm)	VL11 RGBW (mm)	VL16 RGBW (mm)	VL24 RGBW (mm)
11880	11895	14785	7881				
11930	11945	14847	7914				
11980	11995	14909	7947				
12030	12045	14970	7980				
12090	12110	15032	8028				
12140	12160	15094	8061				
12190	12210	15156	8094				
12240	12260	15218	8127				
12290	12310	15280	8160				
12340	12360	15342	8193				
12390	12410	15404	8226				
12440	12460	15465	8259				
12490	12510	15527	8292				
12540	12560	15589	8325				
12590	12610	15651	8358				
12640	12660	15713	8391				
12690	12710	15775	8424				
12740	12760	15837	8457				
12790	12810	15899	8490				
12840	12860	15960	8523				
12890	12910	16037	8556				
12940	12960	16099	8589				
12990	13010	16161	8622				
13040	13060	16223	8655				
13090	13110	16285	8688				
13140	13160	16347	8721				
13190	13210	16409	8754				
13240	13260	16470	8787				
13290	13310	16532	8820				
13340	13360	16594	8853				
13390	13410	16656	8886				
13440	13460	16718	8919				
13490	13510	16780	8952				
13540	13560	16842	8985				
13590	13610	16904	9018				
13640	13660	16965	9051				
13690	13710	17027	9084				
13740	13760	17089	9117				
13790	13810	17151	9150				
13840	13860	17213	9183				
13890	13910	17275	9216				
13940	13960	17337	9249				
13990	14010	17399	9282				
14040	14060	17460	9315				
14090	14110	17522	9348				
14140	14160	17584	9381				
14190	14210	17646	9414				
14240	14260	17708	9447				
14290	14310	17770	9480				
14340	14360	17832	9513				
14390	14410	17894	9546				
14440	14460	17955	9579				
14490	14510	18032	9612				
14540	14560	18094	9645				
14590	14610	18156	9678				
14640	14660	18218	9711				
14690	14710	18280	9744				
14740	14760	18342	9777				
14790	14810	18404	9810				

VL11 3K/4K (mm)	VL16 3K/4K (mm)	VL19 5/10M (mm)	VL19 20W (mm)	VL24 10W 3K/4K (mm)	VL11 RGBW (mm)	VL16 RGBW (mm)	VL24 RGBW (mm)
14840	14860	18465	9843				
14890	14910	18527	9876				
14940	14960	18589	9909				
14990	15010	18651	9942				
15040	15060	18713	9975				
15090	15110	18775	10023				
15140	15160	18837	10056				
15190	15210	18899	10089				
15240	15260	18960	10122				
15290	15310	19022	10155				
15340	15360	19084	10188				
15390	15410	19146	10221				
15440	15460	19208	10254				
15490	15510	19270	10287				
15540	15560	19332	10320				
15590	15610	19394	10353				
15640	15660	19455	10386				
15690	15710	19517	10419				
15740	15760	19579	10452				
15790	15810	19641	10485				
15840	15860	19703	10518				
15890	15910	19765	10551				
15940	15960	19827	10584				
15990	16010	19889	10617				
16040	16060	19950	10650				
16100	16125	20027	10683				
16150	16175		10716				
16200	16225		10749				
16250	16275		10782				
16300	16325		10815				
16350	16375		10848				
16400	16425		10881				
16450	16475		10914				
16500	16525		10947				
16550	16575		10980				
16600	16625		11013				
16650	16675		11046				
16700	16725		11079				
16750	16775		11112				
16800	16825		11145				
16850	16875		11178				
16900	16925		11211				
16950	16975		11244				
17000	17025		11277				
17050	17075		11310				
17100	17125		11343				
17150	17175		11376				
17200	17225		11409				
17250	17275		11442				
17300	17325		11475				
17350	17375		11508				
17400	17425		11541				
17450	17475		11574				
17500	17525		11607				
17550	17575		11640				
17600	17625		11673				
17650	17675		11706				
17700	17725		11739				
17750	17775		11772				

VL11 3K/4K (mm)	VL16 3K/4K (mm)	VL19 5/10M (mm)	VL19 20W (mm)	VL24 10W 3K/4K (mm)	VL11 RGBW (mm)	VL16 RGBW (mm)	VL24 RGBW (mm)
17800	17825		11805				
17850	17875		11838				
17900	17925		11871				
17950	17975		11904				
18000	18025		11937				
18050	18075		11970				
18100	18125		12018				
18150	18175		12051				
18200	18225		12084				
18250	18275		12117				
18300	18325		12150				
18350	18375		12183				
18400	18425		12216				
18450	18475		12249				
18500	18525		12282				
18550	18575		12315				
18600	18625		12348				
18650	18675		12381				
18700	18725		12414				
18750	18775		12447				
18800	18825		12480				
18850	18875		12513				
18900	18925		12546				
18950	18975		12579				
19000	19025		12612				
19050	19075		12645				
19100	19125		12678				
19150	19175		12711				
19200	19225		12744				
19250	19275		12777				
19300	19325		12810				
19350	19375		12843				
19400	19425		12876				
19450	19475		12909				
19500	19525		12942				
19550	19575		12975				
19600	19625		13008				
19650	19675		13041				
19700	19725		13074				
19750	19775		13107				
19800	19825		13140				
19850	19875		13173				
19900	19925		13206				
19950	19975		13239				
20000	20025		13272				
20050	20075		13305				
			13338				
			13371				
			13404				
			13437				
			13470				
			13503				
			13536				
			13569				
			13602				
			13635				
			13668				
			13701				
			13734				

VL11 3K/4K (mm)	VL16 3K/4K (mm)	VL19 5/10M (mm)	VL19 20W (mm)	VL24 10W 3K/4K (mm)	VL11 RGBW (mm)	VL16 RGBW (mm)	VL24 RGBW (mm)
			13767				
			13800				
			13833				
			13866				
			13899				
			13932				
			13965				
			14013				
			14046				
			14079				
			14112				
			14145				
			14178				
			14211				
			14244				
			14277				
			14310				
			14343				
			14376				
			14409				
			14442				
			14475				
			14508				
			14541				
			14574				
			14607				
			14640				
			14673				
			14706				
			14739				
			14772				
			14805				
			14838				
			14871				
			14904				
			14937				
			14970				
			15003				
			15036				
			15069				
			15102				
			15135				
			15168				
			15201				
			15234				
			15267				
			15300				
			15333				
			15366				
			15399				
			15432				
			15465				
			15498				
			15531				
			15564				
			15597				
			15630				
			15663				
			15696				

VL11 3K/4K (mm)	VL16 3K/4K (mm)	VL19 5/10M (mm)	VL19 20W (mm)	VL24 10W 3K/4K (mm)	VL11 RGBW (mm)	VL16 RGBW (mm)	VL24 RGBW (mm)
			15729				
			15762				
			15795				
			15828				
			15861				
			15894				
			15927				
			15960				
			16008				
			16041				
			16074				
			16107				
			16140				
			16173				
			16206				
			16239				
			16272				
			16305				
			16338				
			16371				
			16404				
			16437				
			16470				
			16503				
			16536				
			16569				
			16602				
			16635				
			16668				
			16701				
			16734				
			16767				
			16800				
			16833				
			16866				
			16899				
			16932				
			16965				
			16998				
			17031				
			17064				
			17097				
			17130				
			17163				
			17196				
			17229				
			17262				
			17295				
			17328				
			17361				
			17394				
			17427				
			17460				
			17493				
			17526				
			17559				
			17592				
			17625				
			17658				

VL11 3K/4K (mm)	VL16 3K/4K (mm)	VL19 5/10M (mm)	VL19 20W (mm)	VL24 10W 3K/4K (mm)	VL11 RGBW (mm)	VL16 RGBW (mm)	VL24 RGBW (mm)
			17691				
			17724				
			17757				
			17790				
			17823				
			17856				
			17889				
			17922				
			17955				
			18003				
			18036				
			18069				
			18102				
			18135				
			18168				
			18201				
			18234				
			18267				
			18300				
			18333				
			18366				
			18399				
			18432				
			18465				
			18498				
			18531				
			18564				
			18597				
			18630				
			18663				
			18696				
			18729				
			18762				
			18795				
			18828				
			18861				
			18894				
			18927				
			18960				
			18993				
			19026				
			19059				
			19092				
			19125				
			19158				
			19191				
			19224				
			19257				
			19290				
			19323				
			19356				
			19389				
			19422				
			19455				
			19488				
			19521				
			19554				
			19587				
			19620				

VL11 3K/4K (mm)	VL16 3K/4K (mm)	VL19 5/10M (mm)	VL19 20W (mm)	VL24 10W 3K/4K (mm)	VL11 RGBW (mm)	VL16 RGBW (mm)	VL24 RGBW (mm)
			19653				
			19686				
			19719				
			19752				
			19785				
			19818				
			19851				
			19884				
			19917				
			19950				
			19998				
			20031				