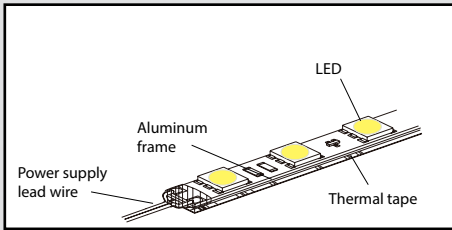


FB

LED Line Module

Made to fit your projects.



- High efficiency SMD LED
- Aluminum heat sink simple design

FB - 1000 - NZ-K

1 2 3 4 5

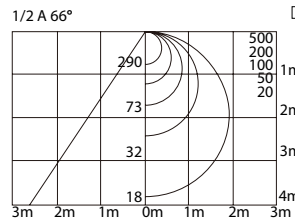
- 1 Fixture name : FB
 2 Length : Please check frame size reference table
 3 LED colors : L22 = Light bulb (2200K) L25 = Light bulb (2500K)
 L27 = Light bulb (2700K) L30 = Light bulb (3000K)
 WW = Warm white (3500K) W = White (4000K)
 NW Neutral white = (4500K) N = Neutral white (5000K) DN = (5700K) D = Daylight (6500K)
 4 Color rendering: None = Ra ≥ 80 Z = Ra ≥ 95
 5 Connector: K = one side connector

Environment of use : indoor cove / display lighting / accent lighting
 Maximum length in series : 1523 mm
 Driver : DC 24V

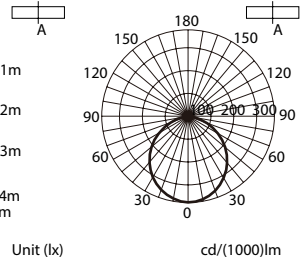
Photometric data

Measured fixture: FB-990-N (5000K)

Light Intensity distribution



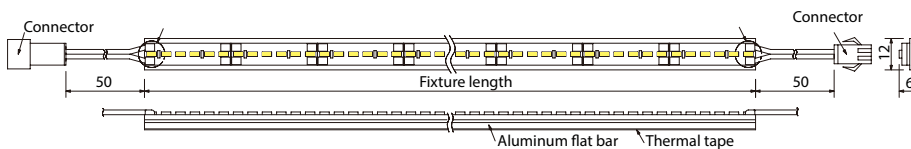
Candlepower Distribution



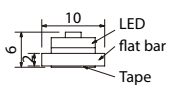
DC 24V specifications

Reference	Length (mm)	LED board length (mm)	Number of LED	CRI (Ra)	Watts (W)	Amps (A)	Maximum length (mm)	Luminous flux (lm)
FB-1000	1000	990	216	≥ 80	15.5	0.65	1523	1721
FB-1000-Z	1000	990	216	≥ 95	15.9	0.66	1523	1500

Fixtures Dimensions

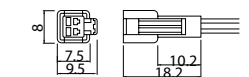


Cross sectional view



Unit (mm)

Connectors dimensions



Power supply out:



Order made sizes by color rendering

Standard Ra ≥ 80				High color rendering Ra ≥ 95			
Length (mm)	Watts (W)	Amps (A)	Luminous flux (lm)	Length (mm)	Watts (W)	Amps (A)	Luminous flux (lm)
38	0.4	0.02	48	38	0.5	0.02	42
65	0.9	0.04	96	65	0.9	0.04	83
92.5	1.3	0.05	143	92.5	1.4	0.06	125
120	1.7	0.07	191	120	1.8	0.08	167
147.5	2.2	0.09	239	147.5	2.3	0.09	208
175	2.6	0.11	287	175	2.7	0.11	250
202.5	3.0	0.13	335	202.5	3.2	0.13	292
230	3.4	0.14	382	230	3.6	0.15	333
257.5	3.9	0.16	430	257.5	4.1	0.17	375
285	4.3	0.18	478	285	4.5	0.19	417
312.5	4.7	0.20	526	312.5	5.0	0.21	458
340	5.2	0.22	574	340	5.4	0.23	500
367.5	5.6	0.23	621	367.5	5.9	0.24	542
395	6.0	0.25	669	395	6.3	0.26	583
422.5	6.5	0.27	717	422.5	6.8	0.28	625
450	6.9	0.29	765	450	7.2	0.30	667
477.5	7.3	0.31	813	477.5	7.7	0.32	708
505	7.7	0.32	860	505	8.1	0.34	750
532.5	8.2	0.34	908	532.5	8.6	0.36	792
560	8.6	0.36	956	560	9.0	0.38	833
587.5	9.0	0.38	1004	587.5	9.4	0.39	875
615	9.5	0.40	1052	615	9.9	0.41	917
642.5	9.9	0.41	1099	642.5	10.3	0.43	958
670	10.3	0.43	1147	670	10.7	0.45	1000
697.5	10.8	0.45	1195	697.5	11.2	0.47	1042
725	11.2	0.47	1243	725	11.6	0.48	1083
752.5	11.6	0.49	1291	752.5	12.0	0.50	1125
780	12.0	0.50	1338	780	12.5	0.52	1167

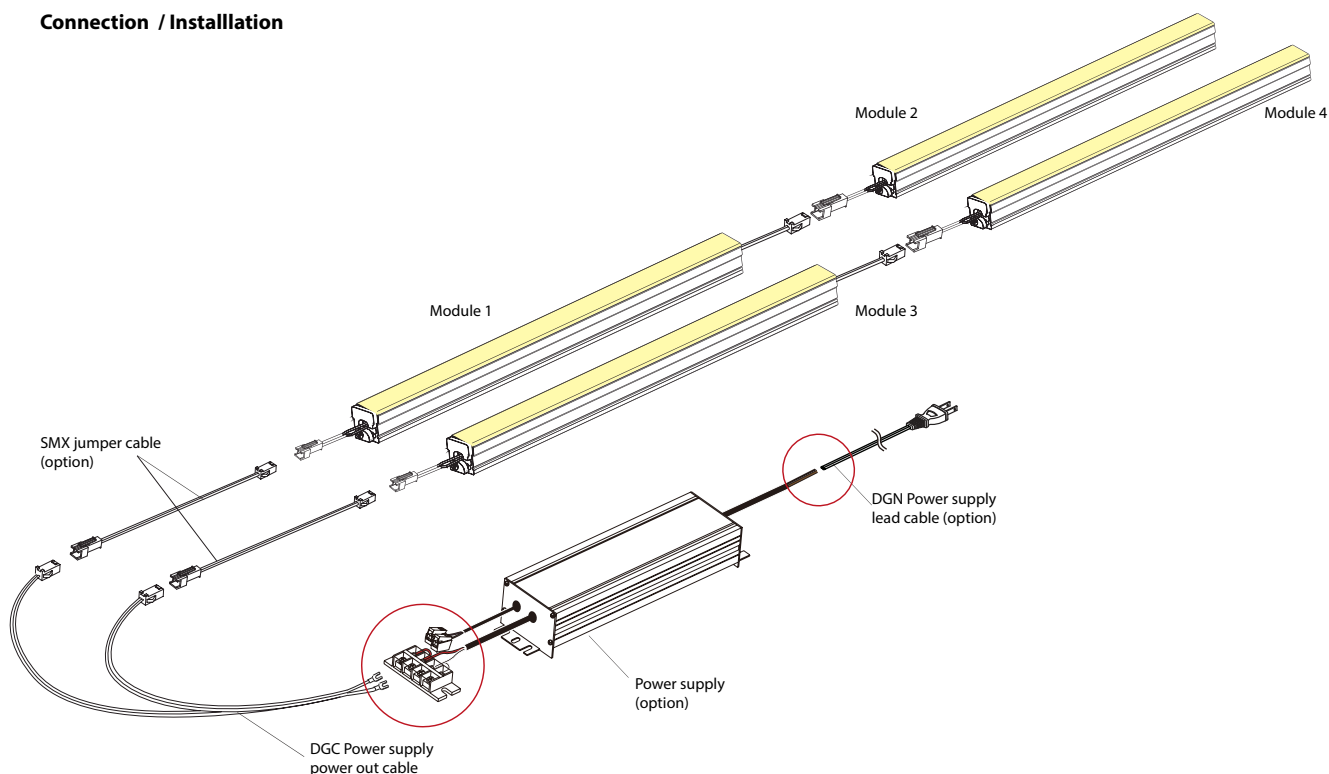
Standard Ra ≥ 80				High color rendering Ra ≥ 95			
Length (mm)	Watts (W)	Amps (A)	Luminous flux (lm)	Length (mm)	Watts (W)	Amps (A)	Luminous flux (lm)
807.5	12.5	0.52	1386	807.5	12.9	0.54	1208
835	12.9	0.54	1434	835	13.3	0.56	1250
862.5	13.3	0.56	1482	862.5	13.8	0.57	1292
890	13.8	0.58	1530	890	14.2	0.59	1333
917.5	14.2	0.59	1577	917.5	14.6	0.61	1375
945	14.6	0.61	1625	945	15.1	0.63	1417
972.5	15.1	0.63	1673	972.5	15.5	0.65	1458
1000	15.5	0.65	1721	1000	15.9	0.66	1500
1027.5	15.9	0.67	1769	1027.5	16.4	0.68	1542
1055	16.3	0.68	1816	1055	16.8	0.70	1583
1082.5	16.8	0.70	1864	1082.5	17.3	0.72	1625
1110	17.2	0.72	1912	1110	17.7	0.74	1667
1137.5	17.6	0.74	1960	1137.5	18.1	0.76	1708
1165	18.1	0.76	2008	1165	18.6	0.77	1750
1192.5	18.5	0.78	2055	1192.5	19.0	0.79	1792
1220	18.9	0.79	2103	1220	19.4	0.81	1833
1247.5	19.4	0.81	2151	1247.5	19.9	0.83	1875
1275	19.8	0.83	2199	1275	20.3	0.85	1917
1302.5	20.2	0.85	2247	1302.5	20.7	0.86	1958
1330	20.6	0.86	2294	1330	21.2	0.88	2000
1357.5	21.1	0.88	2342	1357.5	21.6	0.90	2042
1385	21.5	0.90	2390	1385	22.0	0.92	2083
1412.5	21.9	0.92	2438	1412.5	22.5	0.94	2125
1440	22.4	0.94	2486	1440	22.9	0.95	2167
1467.5	22.8	0.95	2533	1467.5	23.3	0.97	2208
1495	23.2	0.97	2581	1495	23.8	0.99	2250
1522.5	23.7	0.99	2629	1522.5	24.2	1.01	2292

Light output grade (base N color in % of lm) according to color rendering

	D 6500K	DN 5700K	N 5000 K	NW 4500 K	W 4000K	WW 3500 K	L30 3000 K	L27 2700 K	L25 2500K	L22 2200K
Ra ≥ 80	97%	99%	100%	99%	97%	93%	93%	90%	77%	-
Ra ≥ 95	100%	100%	100%	100%	100%	100%	95%	90%	82%	70%

Line Module installation and option parts

Connection / Installation

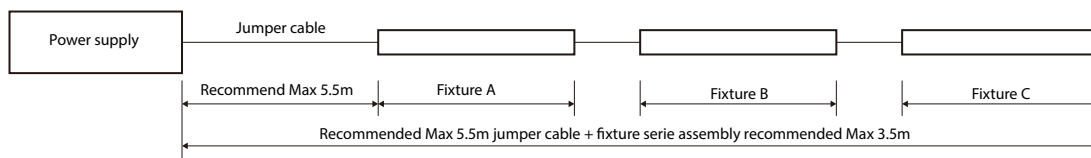


Assembly and maximum length

When connecting or assembling LED modules in series, please respect the following recommendation:

Maximum jumper cable length 5.5m

Maximum LED module length in series 3.5m (3465mm)



Option parts

Jumper cable SMX



SMX-80	80 mm	1 pcs	500 ¥	SMX-500	500 mm	1 pcs	600 ¥
SMX-200	200 mm	1 pcs	500 ¥	SMX-1000	1000 mm	1 pcs	600 ¥
SMX-300	300 mm	1 pcs	500 ¥	SMX-2000	2000 mm	1 pcs	1200 ¥
SMX-400	400 mm	1 pcs	600 ¥	SMX-3000	3000 mm	1 pcs	1800 ¥
				SMX-4000	4000 mm	1 pcs	2400 ¥

Power supply out cable DGC



DGC-1	500mm	1 connector	700 ¥
DGC-2	500mm	2 connectors	900 ¥
DGC-3	500mm	3 connectors	1100 ¥
DGC-4	500mm	4 connectors	1300 ¥

Power supply in lead cable DGN



DGN-2500	2500mm	1 pcs	1350 ¥
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Power supply unit (OSRAM OT)



OT30/100-200-24-T	30W	1 pcs	Open price
OT60/100-200-24-T	60W	1 pcs	Open price
OT90/100-200-24-T	90W	1 pcs	Open price
OT150/100-200-24-T	150W	1 pcs	Open price

Input AC90~240V, output DC24V.
Comply with CE, UL, PSE standards. IP 66 water proof rating.

DC 24V dimmer FMC-24S/R

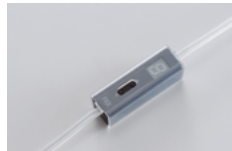


FMC-24S/R	1 pcs	34500 ¥
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Available in 3 colors:



DC 24V simple dimmer FSD-24



FSD-24	1 pcs	9900 ¥
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