

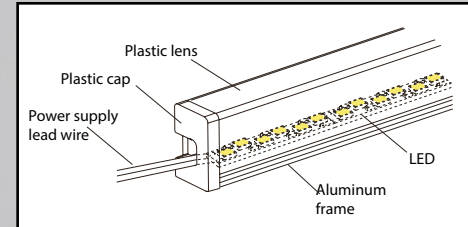
FGC

LED Line Module

Made to fit your projects.



- High efficiency SMD LED
- Smallest width (5mm) LED board on the market
- Enhanced CRI Ra 80~95
- Aluminium frame with magnet



FGC - 1000 - NZ-KMG

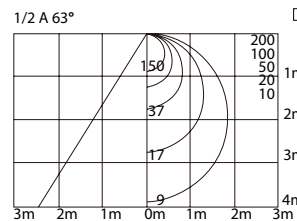
- 1 Fixture name : FGC
- 2 Length : Please check frame size reference table
- 3 LED colors : L22 = Light bulb (2200K) L25 = Light bulb (2500K)
L27 = Light bulb (2700K) L30 = Light bulb (3000K)
WW = Warm white (3500K) W = White (4000K)
NW Neutral white = (4500K) N = Neutral white (5000K) DN = (5700K)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

Environment of use : indoor cove / display lighting / accent lighting
Maximum length in series : 2485 mm
Driver : DC 24V

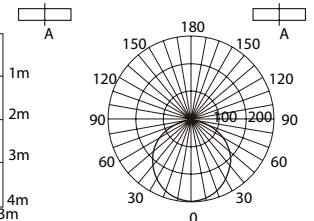
Photometric data

Measured fixture: FGC-505-N (5000K)

Light Intensity distribution



Candlepower Distribution

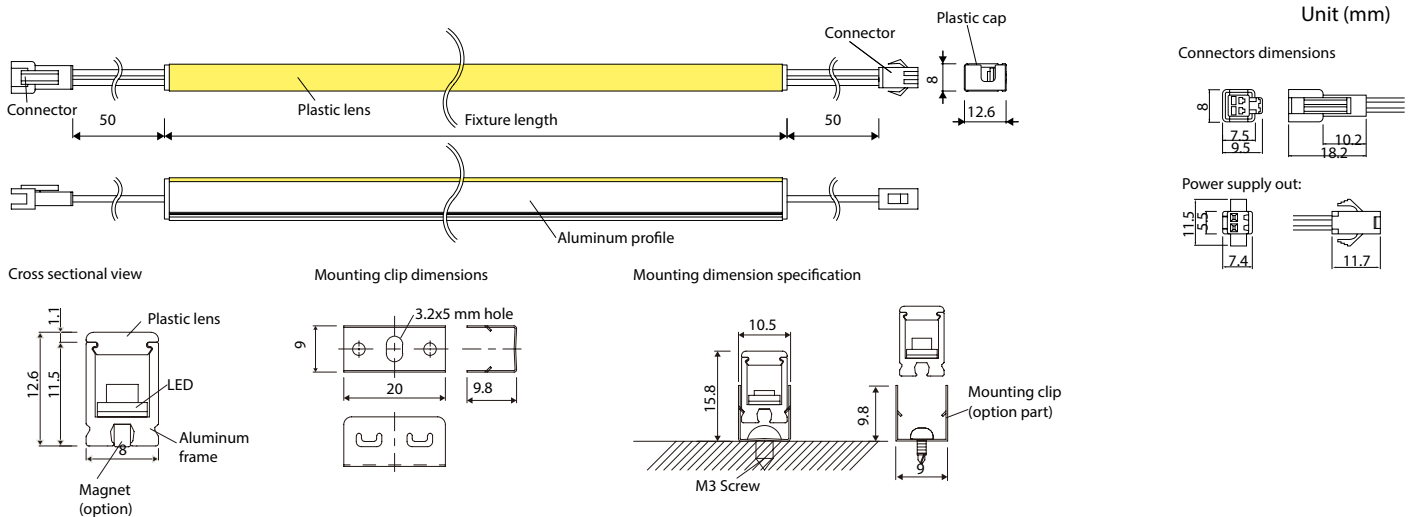


Unit (lx) cd/(1000)lm

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)
FGC-1000	1000	990	216	≥ 80	15.5	0.65	2485	911
FGC-1000-Z	1000	990	216	≥ 95	15.9	0.66	2485	765

Fixtures Dimensions



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	25	38	0.5	0.02	21
65	0.9	0.04	51	65	0.9	0.04	43
92.5	1.3	0.05	76	92.5	1.4	0.06	64
120	1.7	0.07	101	120	1.8	0.08	85
147.5	2.2	0.09	127	147.5	2.3	0.09	106
175	2.6	0.11	152	175	2.7	0.11	128
202.5	3.0	0.13	177	202.5	3.2	0.13	149
230	3.4	0.14	202	230	3.6	0.15	170
257.5	3.9	0.16	228	257.5	4.1	0.17	191
285	4.3	0.18	253	285	4.5	0.19	213
312.5	4.7	0.20	278	312.5	5.0	0.21	234
340	5.2	0.22	304	340	5.4	0.23	255
367.5	5.6	0.23	329	367.5	5.9	0.24	276
395	6.0	0.25	354	395	6.3	0.26	298
422.5	6.5	0.27	380	422.5	6.8	0.28	319
450	6.9	0.29	405	450	7.2	0.30	340
477.5	7.3	0.31	430	477.5	7.7	0.32	361
505	7.7	0.32	455	505	8.1	0.34	398
532.5	8.2	0.34	481	532.5	8.6	0.36	404
560	8.6	0.36	506	560	9.0	0.38	425
587.5	9.0	0.38	531	587.5	9.4	0.39	446
615	9.5	0.40	557	615	9.9	0.41	468
642.5	9.9	0.41	582	642.5	10.3	0.43	489
670	10.3	0.43	607	670	10.7	0.45	510
697.5	10.8	0.45	633	697.5	11.2	0.47	531
725	11.2	0.47	658	725	11.6	0.48	553
752.5	11.6	0.49	683	752.5	12.0	0.50	574
780	12.0	0.50	708	780	12.5	0.52	595
807.5	12.5	0.52	734	807.5	12.9	0.54	616
835	12.9	0.54	759	835	13.3	0.56	638
862.5	13.3	0.56	784	862.5	13.8	0.57	659
890	13.8	0.58	810	890	14.2	0.59	680
917.5	14.2	0.59	835	917.5	14.6	0.61	701
945	14.6	0.61	860	945	15.1	0.63	723
972.5	15.1	0.63	886	972.5	15.5	0.65	744
1000	15.5	0.65	911	1000	15.9	0.66	765
1027.5	15.9	0.67	936	1027.5	16.4	0.68	786
1055	16.3	0.68	961	1055	16.8	0.70	808
1082.5	16.8	0.70	987	1082.5	17.3	0.72	829
1110	17.2	0.72	1012	1110	17.7	0.74	850
1137.5	17.6	0.74	1037	1137.5	18.1	0.76	871
1165	18.1	0.76	1063	1165	18.6	0.77	893
1192.5	18.5	0.78	1088	1192.5	19.0	0.79	914
1220	18.9	0.79	1113	1220	19.4	0.81	935
1247.5	19.4	0.81	1139	1247.5	19.9	0.83	956

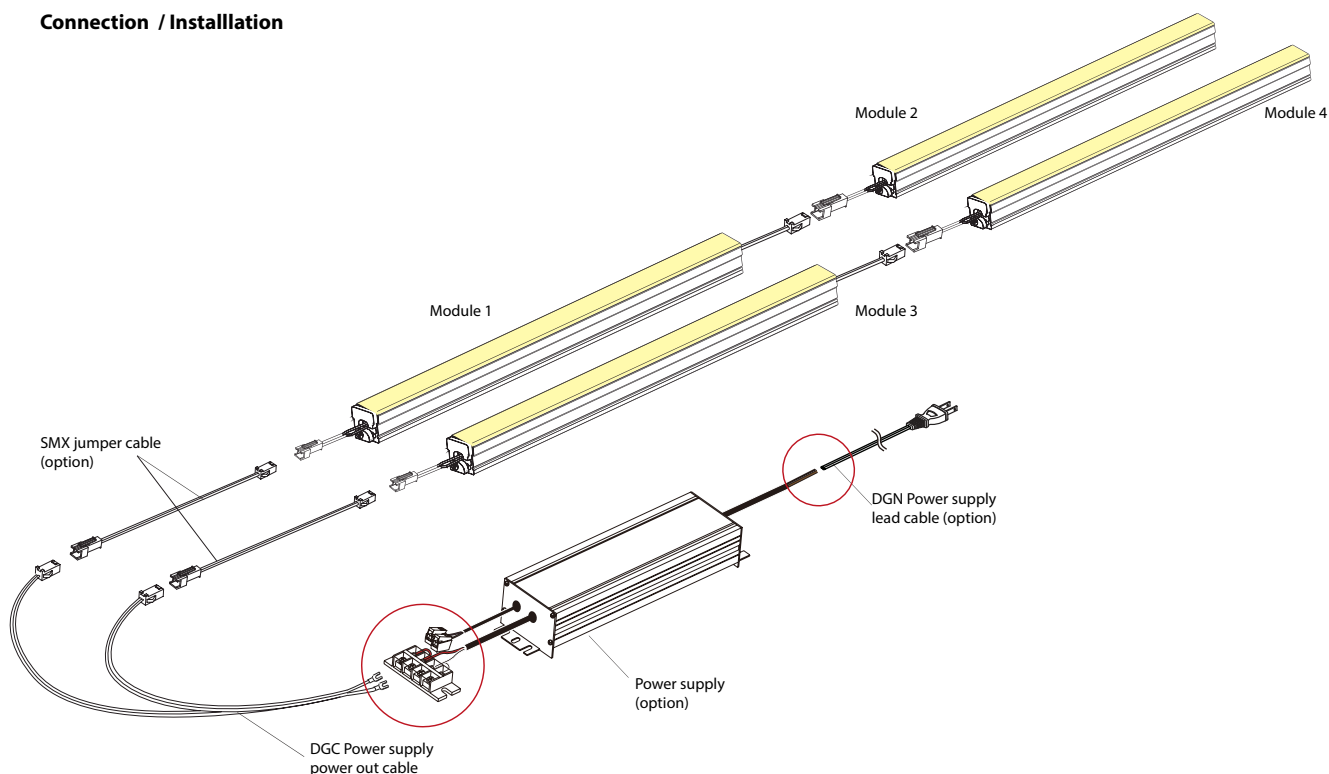
Standard Ra ≥ 80				High color rendering Ra ≥ 95			
Length (mm)	Watts (W)	Amps (A)	Luminous flux (lm)	Length (mm)	Watts (W)	Amps (A)	Luminous flux (lm)
1275	19.8	0.83	1164	1275	20.3	0.85	978
1302.5	20.2	0.85	1189	1302.5	20.7	0.86	999
1330	20.6	0.86	1214	1330	21.2	0.88	1020
1357.5	21.1	0.88	1240	1357.5	21.6	0.90	1041
1385	21.5	0.90	1265	1385	22.0	0.92	1063
1412.5	21.9	0.92	1290	1412.5	22.5	0.94	1084
1440	22.4	0.94	1316	1440	22.9	0.95	1105
1467.5	22.8	0.95	1341	1467.5	23.3	0.97	1126
1495	23.2	0.97	1366	1495	23.8	0.99	1148
1522.5	23.7	0.99	1392	1522.5	24.2	1.01	1169
1550	24.1	1.01	1417	1550	24.6	1.03	1190
1577.5	24.5	1.03	1442	1577.5	25.1	1.04	1211
1605	24.9	1.04	1467	1605	25.5	1.06	1233
1632.5	25.4	1.06	1493	1632.5	25.9	1.08	1254
1660	25.8	1.08	1518	1660	26.4	1.10	1275
1687.5	26.2	1.10	1543	1687.5	26.8	1.12	1296
1715	26.7	1.12	1569	1715	27.2	1.13	1318
1742.5	27.1	1.13	1594	1742.5	27.7	1.15	1339
1770	27.5	1.15	1619	1770	28.1	1.17	1360
1797.5	28.0	1.17	1645	1797.5	28.5	1.19	1381
1825	28.4	1.19	1670	1825	29.0	1.21	1403
1852.5	28.8	1.21	1695	1852.5	29.4	1.23	1424
1880	29.2	1.22	1720	1880	29.4	1.24	1445
1907.5	29.7	1.24	1746	1907.5	29.8	1.26	1466
1935	30.1	1.26	1771	1935	30.3	1.28	1488
1962.5	30.5	1.28	1796	1962.5	30.7	1.30	1509
1990	31.0	1.30	1822	1990	31.1	1.32	1530
2017.5	31.4	1.31	1847	2017.5	31.6	1.33	1551
2045	31.8	1.33	1872	2045	32.0	1.35	1573
2072.5	32.3	1.35	1898	2072.5	32.4	1.37	1594
2100	32.7	1.37	1923	2100	32.9	1.39	1615
2127.5	33.1	1.39	1948	2127.5	33.3	1.41	1636
2155	33.5	1.40	1973	2155	33.7	1.42	1658
2182.5	34.0	1.42	1999	2182.5	34.2	1.44	1679
2210	34.4	1.44	2024	2210	34.6	1.46	1700
2237.5	34.8	1.46	2049	2237.5	35.0	1.48	1721
2265	35.3	1.48	2075	2265	35.5	1.50	1743
2292.5	35.7	1.49	2100	2292.5	35.9	1.51	1764
2320	36.1	1.51	2125	2320	36.3	1.53	1785
2347.5	36.6	1.53	2151	2347.5	36.8	1.55	1806
2375	37.0	1.55	2176	2375	37.2	1.57	1828
2402.5	37.4	1.57	2201	2402.5	37.7	1.59	1849
2430	37.8	1.58	2226	2430	38.1	1.60	1870
2457.5	38.3	1.60	2252	2457.5	38.5	1.62	1891
2485	38.7	1.62	2277	2485	39.0	1.64	1913

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

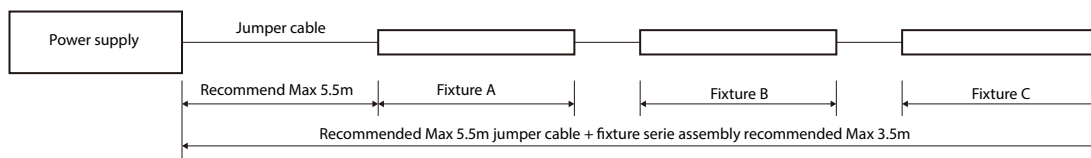


Assembly and maximum length

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

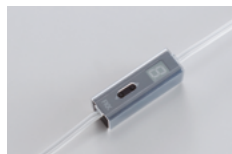


FMC-24S/R	1 pcs	34500 ¥
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Available in 3 colors:



DC 24V simple dimmer FSD-24



FSD-24	1 pcs	9900 ¥
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