

# NEOLINE S

## LED Flexible Module

- Pixel free side view LED strip light
- Up to 6.5 m maximum length
- Can be cut every 50 mm
- Compact design 12 x 11 mm
- 7 colors available

### NES- 1004 - N - K

1      2      3      4

1 Fixture name :

2 Length :

3 LED color :

4 Connector :

Environment of use :

Maximum length in series :

Driver :

NES= LED Flexible Module Flare Line Mini Side  
506, 1004, 1502, 2000, 2498, 2996, 3494, 3992,  
4490, 4988, 5486, 5984, 6482

(other size possible)

L25 = Light bulb (2500K)

L27 = Light bulb (2700K)

L30 = Light bulb (3000K)

WW = Warm white (3500K)

W = White (4000K)

N = Neutral white (5000K)

D = Daylight (6500K)

R = both sides connector

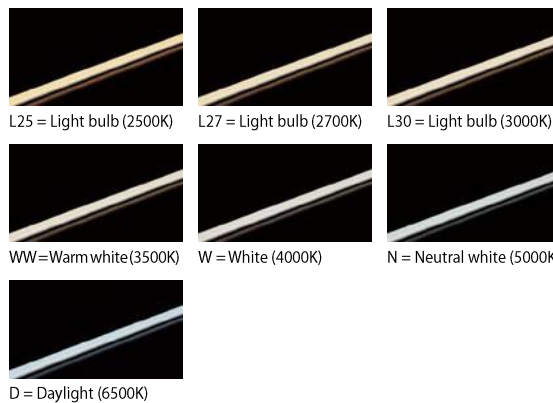
K = one side connector

indoor cove / display lighting / accent lighting  
Also available in IP65 upon request (see NES-A)

6500mm

DC 24V

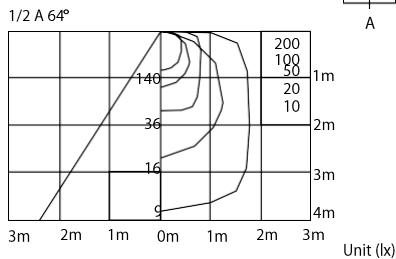
### Color temperature CCT



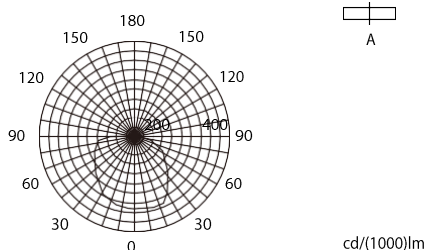
### Photometric data

Measured fixture: NES-1004-N

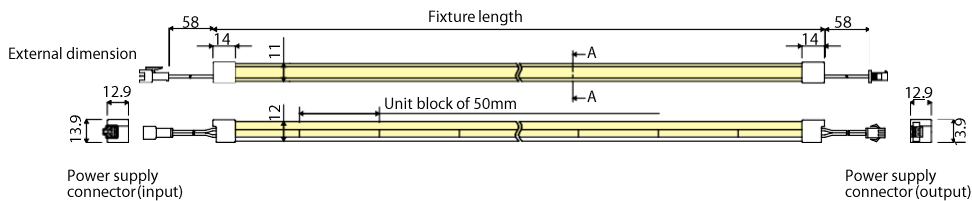
### Light Intensity distribution



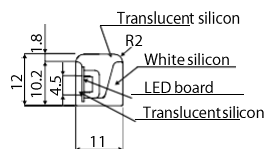
### Candlepower Distribution



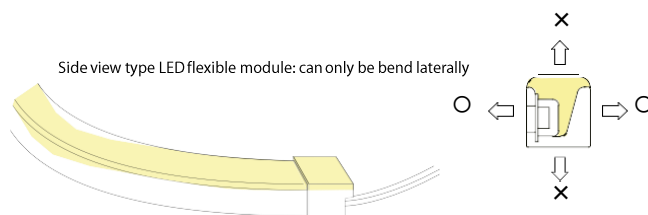
### Dimensions



### Cross sectional view A-A



### Bending direction



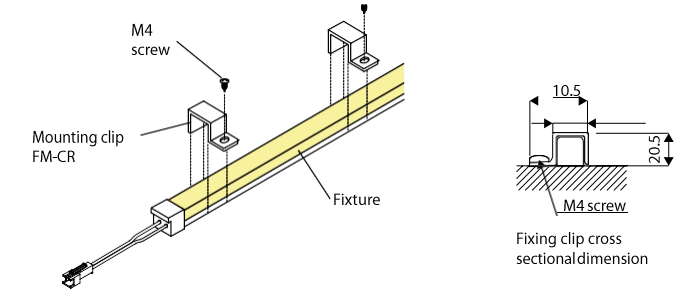
## DC 24V standard specifications

Reference	Length (mm)	Weight (kg)	Number of LED	CRI (Ra)	Watts (W)	Amps (A)	Maximum length (m)	Luminous flux (lm)
NES-506	506	0.07	70	> 80 Ra	4.8	0.2	6.5	230
NES-1004	1004	0.15	140		9.6	0.4		460
NES-1502	1502	0.22	210		14.4	0.6		690
NES-2000	2000	0.29	280		19.2	0.8		920

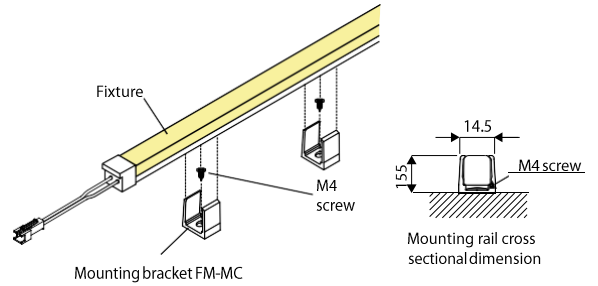
Other size possible upon request. Please check order made size table.

## Installation

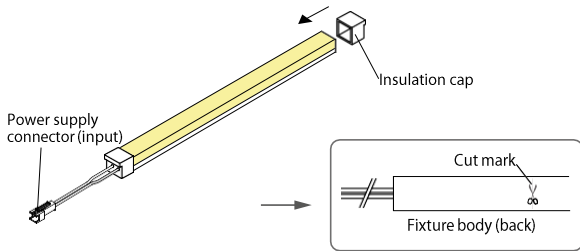
### Mounting clip installation



### Mounting bracket installation



### Cutting the fixture

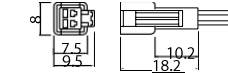


The NES flexible module can be cut at every section of 50 mm. Just use a cisor or a cutter to cut on indicated mark on the fixture.

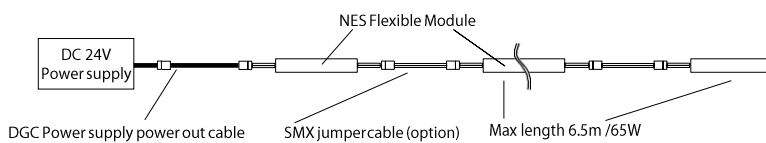
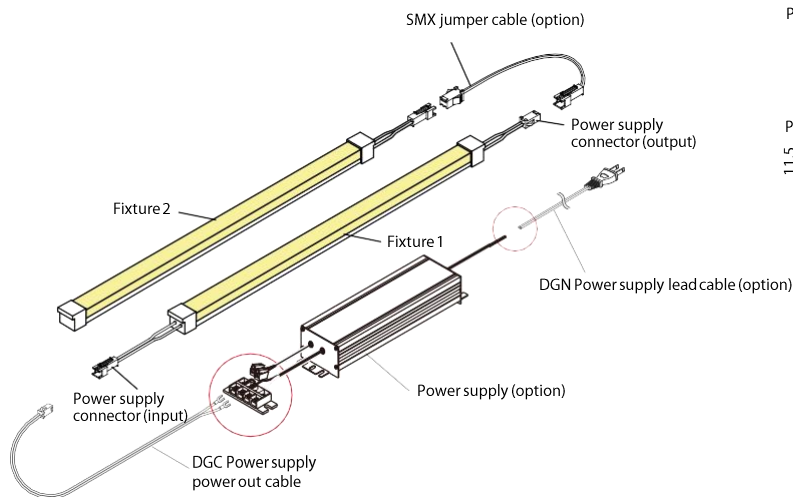
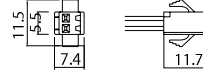
## Power supply connection

### Connector dimension

#### Power supply in:



#### Power supply out:



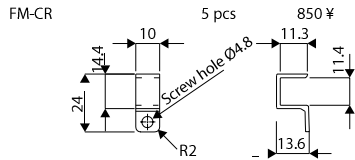
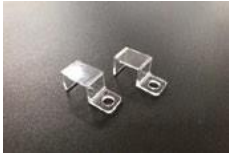
**Order made sizes**

Reference	Length (mm)	Weight (kg)	No. of LED	Watts (W)	Amps (A)	Luminous flux (lm)
NES-58	58	0.01	7	0.48	0.02	23
NES-108	108	0.01	14	0.96	0.04	46
NES-158	158	0.02	21	1.44	0.06	69
NES-207	207	0.03	28	1.92	0.08	92
NES-257	257	0.04	35	2.4	0.10	115
NES-307	307	0.04	42	2.88	0.12	138
NES-357	357	0.05	49	3.36	0.14	161
NES-407	407	0.06	56	3.84	0.16	184
NES-456	456	0.07	63	4.32	0.18	207
<b>NEO-506</b>	<b>506</b>	<b>0.07</b>	<b>70</b>	<b>4.8</b>	<b>0.20</b>	<b>230</b>
NES-556	556	0.08	77	5.28	0.22	253
NES-606	606	0.09	84	5.76	0.24	276
NES-656	656	0.10	91	6.24	0.26	299
NES-705	705	0.10	98	6.72	0.28	322
NES-755	755	0.11	105	7.2	0.30	345
NES-805	805	0.12	112	7.68	0.32	368
NES-855	855	0.13	119	8.16	0.34	391
NES-905	905	0.13	126	8.64	0.36	414
NES-954	954	0.14	133	9.12	0.38	437
<b>NEO-1004</b>	<b>1004</b>	<b>0.15</b>	<b>140</b>	<b>9.6</b>	<b>0.40</b>	<b>460</b>
NES-1054	1054	0.16	147	10.08	0.42	483
NES-1104	1104	0.16	154	10.56	0.44	506
NES-1154	1154	0.17	161	11.04	0.46	529
NES-1203	1203	0.18	168	11.52	0.48	552
NES-1253	1253	0.19	175	12	0.50	575
NES-1303	1303	0.19	182	12.48	0.52	598
NES-1353	1353	0.20	189	12.96	0.54	621
NES-1403	1403	0.21	196	13.44	0.56	644
NES-1452	1452	0.22	203	13.92	0.58	667
<b>NEO-1502</b>	<b>1502</b>	<b>0.22</b>	<b>210</b>	<b>14.4</b>	<b>0.60</b>	<b>690</b>
NES-1552	1552	0.23	217	14.88	0.62	713
NES-1602	1602	0.24	224	15.36	0.64	736
NES-1652	1652	0.25	231	15.84	0.66	759
NES-1701	1701	0.25	238	16.32	0.68	782
NES-1751	1751	0.26	245	16.8	0.70	805
NES-1801	1801	0.27	252	17.28	0.72	828
NES-1851	1851	0.27	259	17.76	0.74	851
NES-1901	1901	0.28	266	18.24	0.76	874
NES-1950	1950	0.29	273	18.72	0.78	897
<b>NEO-2000</b>	<b>2000</b>	<b>0.29</b>	<b>280</b>	<b>19.2</b>	<b>0.80</b>	<b>920</b>
NES-2050	2050	0.30	287	19.68	0.82	943
NES-2100	2100	0.31	294	20.16	0.84	966
NES-2150	2150	0.32	301	20.64	0.86	989
NES-2199	2199	0.33	308	21.12	0.88	1012
NES-2249	2249	0.33	315	21.6	0.90	1035
NES-2299	2299	0.34	322	22.08	0.92	1058
NES-2349	2349	0.35	329	22.56	0.94	1081
NES-2399	2399	0.36	336	23.04	0.96	1104
NES-2448	2448	0.36	343	23.52	0.98	1127
<b>NEO-2498</b>	<b>2498</b>	<b>0.37</b>	<b>350</b>	<b>24</b>	<b>1.00</b>	<b>1150</b>
NES-2548	2548	0.38	357	24.48	1.02	1173
NES-2598	2598	0.39	364	24.96	1.04	1196
NES-2648	2648	0.39	371	25.44	1.06	1219
NES-2697	2697	0.40	378	25.92	1.08	1242
NES-2747	2747	0.41	385	26.4	1.10	1265
NES-2797	2797	0.42	392	26.88	1.12	1288
NES-2847	2847	0.42	399	27.36	1.14	1311
NES-2897	2897	0.43	406	27.84	1.16	1334
NES-2946	2946	0.44	413	28.32	1.18	1357
<b>NEO-2996</b>	<b>2996</b>	<b>0.45</b>	<b>420</b>	<b>28.8</b>	<b>1.20</b>	<b>1380</b>
NES-3046	3046	0.45	427	29.28	1.22	1403
NES-3096	3096	0.46	434	29.76	1.24	1426
NES-3146	3146	0.47	441	30.24	1.26	1449
NES-3195	3195	0.48	448	30.72	1.28	1472
NES-3245	3245	0.48	455	31.2	1.30	1495

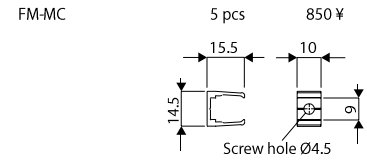
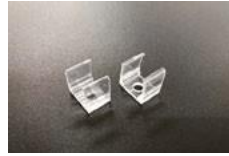
Reference	Length (mm)	Weight (kg)	No. of LED	Watts (W)	Amps (A)	Luminous flux (lm)
NES-3295	3295	0.49	462	31.68	1.32	1518
NES-3345	3345	0.50	469	32.16	1.34	1541
NES-3395	3395	0.50	476	32.64	1.36	1564
NES-3444	3444	0.51	483	33.12	1.38	1587
<b>NEO-3494</b>	<b>3494</b>	<b>0.52</b>	<b>490</b>	<b>33.6</b>	<b>1.40</b>	<b>1610</b>
NES-3544	3544	0.53	497	34.08	1.42	1633
NES-3594	3594	0.53	504	34.56	1.44	1656
NES-3644	3644	0.54	511	35.04	1.46	1679
NES-3693	3693	0.55	518	35.52	1.48	1702
NES-3743	3743	0.56	525	36	1.50	1725
NES-3793	3793	0.56	532	36.48	1.52	1748
NES-3843	3843	0.57	539	36.96	1.54	1771
NES-3893	3893	0.58	546	37.44	1.56	1794
NES-3942	3942	0.59	553	37.92	1.58	1817
<b>NEO-3992</b>	<b>3992</b>	<b>0.59</b>	<b>560</b>	<b>38.4</b>	<b>1.60</b>	<b>1840</b>
NES-4042	4042	0.60	567	38.88	1.62	1863
NES-4092	4092	0.61	574	39.36	1.64	1886
NES-4142	4142	0.62	581	39.84	1.66	1909
NES-4191	4191	0.62	588	40.32	1.68	1932
NES-4241	4241	0.63	595	40.8	1.70	1955
NES-4291	4291	0.64	602	41.28	1.72	1978
NES-4341	4341	0.65	609	41.76	1.74	2001
NES-4391	4391	0.65	616	42.24	1.76	2024
NES-4440	4440	0.66	623	42.72	1.78	2047
<b>NEO-4490</b>	<b>4490</b>	<b>0.67</b>	<b>630</b>	<b>43.2</b>	<b>1.80</b>	<b>2070</b>
NES-4540	4540	0.68	637	43.68	1.82	2093
NES-4590	4590	0.68	644	44.16	1.84	2116
NES-4640	4640	0.69	651	44.64	1.86	2139
NES-4689	4689	0.70	658	45.12	1.88	2162
NES-4739	4739	0.71	665	45.6	1.90	2185
NES-4789	4789	0.71	672	46.08	1.92	2208
NES-4839	4839	0.72	679	46.56	1.94	2231
NES-4889	4889	0.73	686	47.04	1.96	2254
NES-4938	4938	0.74	693	47.52	1.98	2277
<b>NEO-4988</b>	<b>4988</b>	<b>0.74</b>	<b>700</b>	<b>48</b>	<b>2.00</b>	<b>2300</b>
NES-5038	5038	0.75	707	48.48	2.02	2323
NES-5088	5088	0.76	714	48.96	2.04	2346
NES-5138	5138	0.76	721	49.44	2.06	2369
NES-5187	5187	0.77	728	49.92	2.08	2392
NES-5237	5237	0.78	735	50.4	2.10	2415
NES-5287	5287	0.79	742	50.88	2.12	2438
NES-5337	5337	0.79	749	51.36	2.14	2461
NES-5387	5387	0.80	756	51.84	2.16	2484
NES-5436	5436	0.81	763	52.32	2.18	2507
<b>NEO-5486</b>	<b>5486</b>	<b>0.82</b>	<b>770</b>	<b>52.8</b>	<b>2.20</b>	<b>2530</b>
NES-5536	5536	0.82	777	53.28	2.22	2553
NES-5586	5586	0.83	784	53.76	2.24	2576
NES-5636	5636	0.84	791	54.24	2.26	2599
NES-5685	5685	0.85	798	54.72	2.28	2622
NES-5735	5735	0.85	805	55.2	2.30	2645
NES-5785	5785	0.86	812	55.68	2.32	2668
NES-5835	5835	0.87	819	56.16	2.34	2691
NES-5885	5885	0.88	826	56.64	2.36	2714
NES-5934	5934	0.88	833	57.12	2.38	2737
<b>NEO-5984</b>	<b>5984</b>	<b>0.89</b>	<b>840</b>	<b>57.6</b>	<b>2.40</b>	<b>2760</b>
NES-6034	6034	0.90	847	58.08	2.42	2783
NES-6084	6084	0.91	854	58.56	2.44	2806
NES-6134	6134	0.91	861	59.04	2.46	2829
NES-6183	6183	0.92	868	59.52	2.48	2852
NES-6233	6233	0.93	875	60	2.50	2875
NES-6283	6283	0.94	882	60.48	2.52	2898
NES-6333	6333	0.94	889	60.96	2.54	2921
NES-6383	6383	0.95	896	61.44	2.56	2944
NES-6432	6432	0.96	903	61.92	2.58	2967
<b>NEO-6482</b>	<b>6482</b>	<b>0.97</b>	<b>910</b>	<b>62.4</b>	<b>2.60</b>	<b>2990</b>

## Option parts

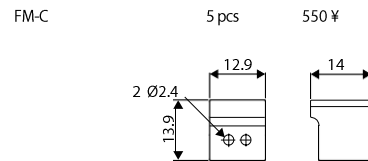
### Mounting bracket FM-CR



### Mounting clip FM-MC



### Cap FM-C



### Jumper cable SMX



SMX-80	80 mm	1 pcs	500 ¥
SMX-200	200 mm	1 pcs	500 ¥
SMX-300	300 mm	1 pcs	500 ¥
SMX-400	400 mm	1 pcs	600 ¥

SMX-500	500 mm	1 pcs	600 ¥
SMX-1000	1000 mm	1 pcs	600 ¥
SMX-2000	2000 mm	1 pcs	1200 ¥
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 (TDK Lambda ELV)



ELV12-24-R50-T	12W	1 pcs	Open price
ELV60-24-R50-T	60W	1 pcs	Open price
ELV90-24-R50-T	90W	1 pcs	Open price

Input AC90~265V, output DC24V.  
Comply with CE, UL, PSE standards. IP 66 waterproof 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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## Cutting the NES Flexible LED Module

- The NES flexible LED Module can be cut every 49.8mm position.
- During the process, you absolutely must power OFF the fixture.
- The fixture must cut from the fixture with input power supply connector.

### Step 1: Silicon body cut (half cut)

On the back side surface of the fixture, identify the cut mark (cisor mark) position. Use a cutter to cut carefully cut the silicon body on the cut mark. Cut in straight line the silicon body to the top of LED board without applying strength.

### Step 2: internal LED strip cut

From the half cutted silicon body identify the soldering pad unjunction of the LED strip. Cut the central part of the soldering pad junction with nipper and cut it completely. Take care to not damage any LED package or resistance package on the strip.

### Step 3: insulation / end cap installation

For insulation and safety purpose you must glue some cap to the cutted side of cutted fixture. Apply silicon glue on the interior of end cap (FM-C optional cap) and apply it to the cutted part.

