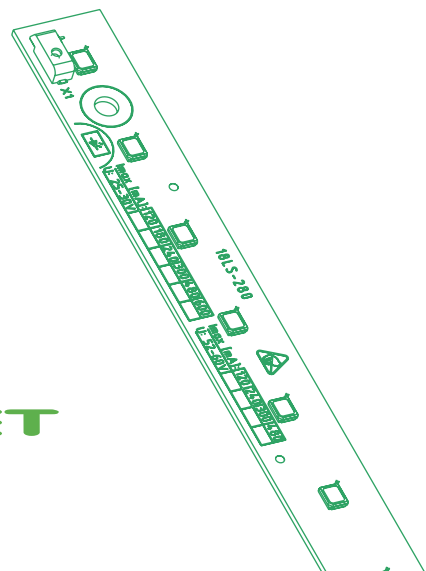
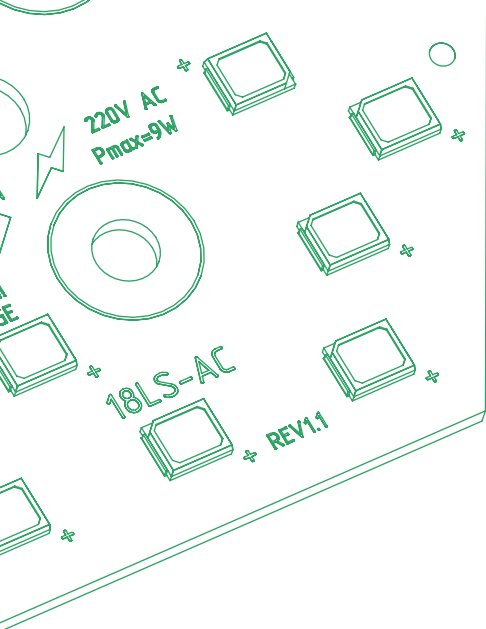
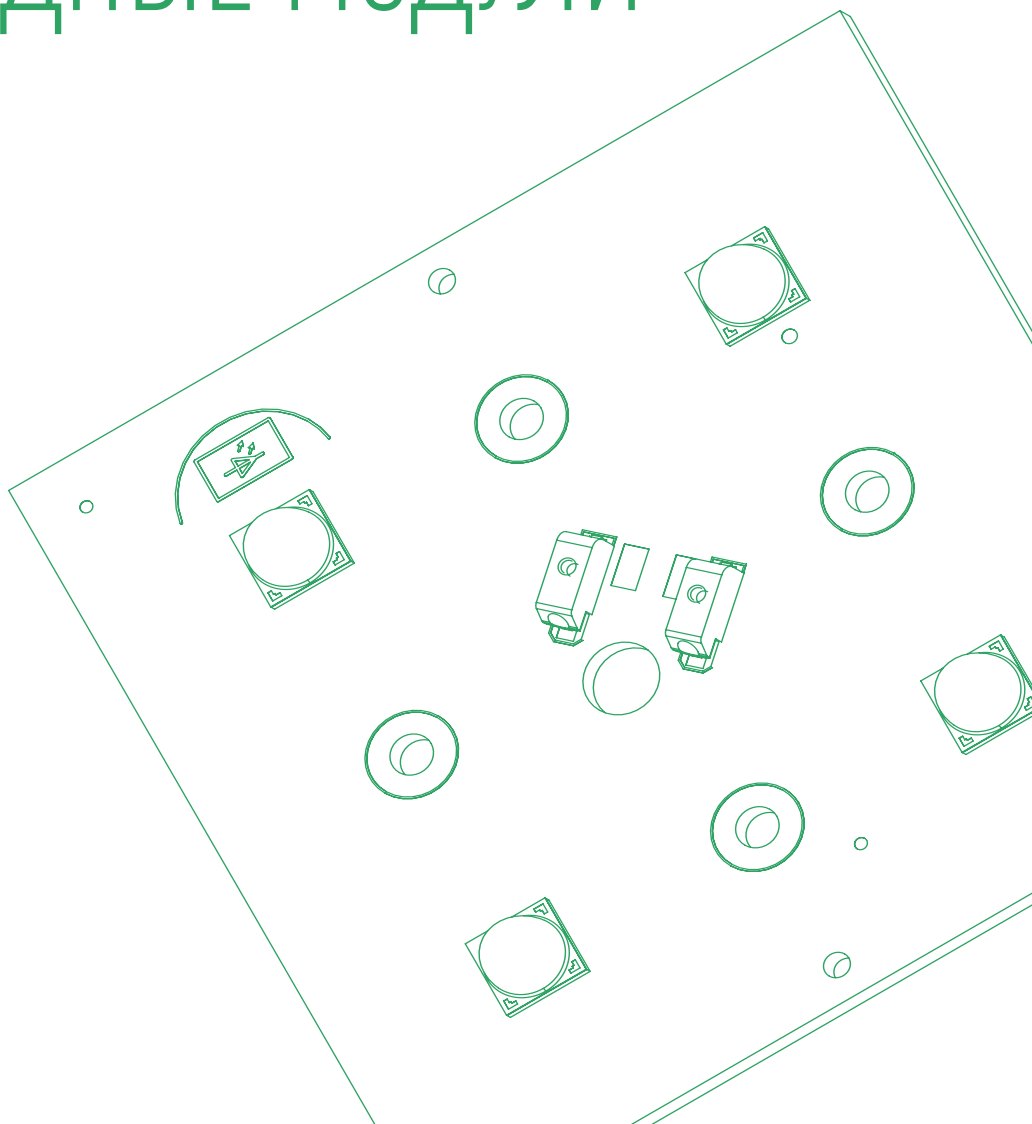
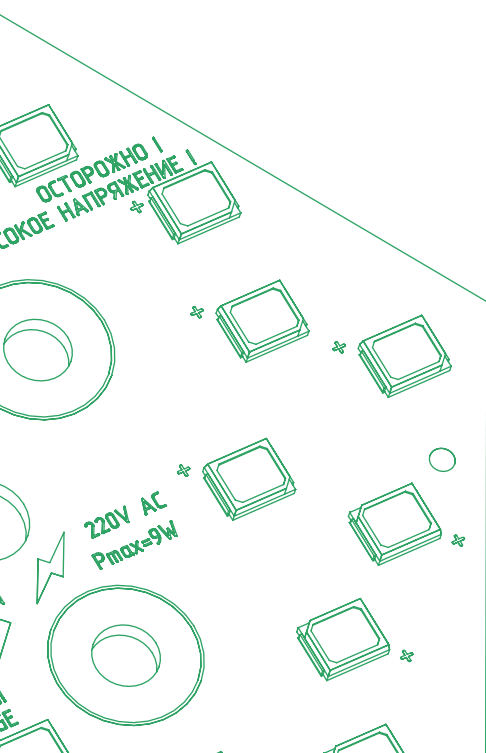




LED MODULES

СВЕТОДИОДНЫЕ МОДУЛИ



CONTENT & SUMMARY

Page	LED module	Forward Voltage, V			Current, mA		Typical power, W	Typical luminous flux, Lm ±5% (CCT 5000K, Tj=50°) *Typical PPF, μmol/s	Size, mm	Material
		min	typical	max	typical	max.				
Office Lighting / Офисное освещение										
3	NEO-L-12S5630G3	16	18	20	300	400	5,6	890	490x13	AL
5	NEO-L-18S5630G3	17	18	20	350	500	6,4	1 140	490x14	
6	NEO-L-21S5630G3	19	21	23	350	500	72	1 335	490x14	
3	NEO-L-8L3030	22	24	26,5	300	400	7,4	1 060	490x14	
3	NEO-L-14LS2835	19	21	23	300	400	6,6	940	490x13	
4	NEO-L-16LS2835	22	24	26,5	300	400	7,6	1 070	463x13	
4	NEO-L-16L3020-280	22	24	26,5	300	400	7,7	980	280x12	
4	NEO-L-18LS2835	25	27	30	300	400	8,5	1 200	520x12,8	
5	NEO-L-18LS2835-280	25	27	30	300	400	8,5	1 200	280x13	
5	NEO-L-22LS2835-383	30	33	37	300	400	10,4	1 470	383x13	
8	NEO-L-45S2835 (0,2 W)	25	27	30	300	350	7,9	1 140	490x9	
8	NEO-L-45S2835 (0,5 W)	25	27	30	400	700	10,7	1 740	490x9	
7	NEO-L-48S5630G3_448	33	36	39,5	400	700	14,5	2 500	448x12,5	
7	NEO-L-48LS2835_448	33	36	39,5	400	700	14,5	2 270	448x12,5	
8	NEO-L-96LS2835_448	64,5	72	79,5	400	700	28,9	4 530	448x12,5	
8	NEO-L-49LS2835 (0,2W)	19	21	23	350	400	7,1	1 070	515x12	
8	NEO-L-49LS2835 (0,5W)	19	21	23	700	1050	14,8	2 310	515x12	
2	NEO-L-6XPL-362	16	18	21	700	1500	12,7	1 870	362x15	
2	NEO-L-8XPL-490	22	24	28	700	1500	17	2 500	490x15	
7	NEO-L-6x6LS2835	16,5	24	21	700	1050	12,9	1 950	504x13	
6	NEO-L-36LS2835_559x16	33	36	40	300	400	10,9	1 700	559x16	FR4
9	NEO-M-56RHE30	22	24	27	350	1050	8	1 410	245,8x250,7	
10	NEO-M-64RHE2835	22	24	27	400	1050	9,2	1 610	264x286	
Public utility and Emergency Lighting / ЖКХ и Резервное освещение										
40	NEO-L-2x5L3030	28	31	33	300	400	9,3	1 300	87x30	AL
41	NEO-L-2x3S2835	17	19	22	300	400	5,6	780	87x30	
41	NEO-L-2x5S2835	28	31	33	300	400	9,3	1 300	87x30	
42	NEO-L-2x3XP	16	18	21	700	1500	12,7	1 870	87x30	
42	NEO-L-2x5XP	29	30	31	350	1050	10,2	3 120	87x30	
46	NEO-L-8XPXTL	22	24	28	700	1500	17	2 500	87x30	
39	NEO-Q-38S2835-AC		220 AC		35		8,8	800	70x70	
39	NEO-Q-38S2835-AC-16W		220 AC		70		16	1 650	90x90	
40	NEO-H-16S5630C	22	24	26,5	300	350	7,5	1 190	46,5x46	
46	NEO-C-7XP	18	21	24	350	1050	7,1	1 190	Ø35,8	
47	NEO-H-7XP	18	21	24	350	1050	7,1	1 190	46x40	
43	NEO-H-18S2835-AC		220 AC		34		7,5	770	46,5x46	
43	NEO-H-18LS2835-AC		220 AC		42		9,2	970	46,5x46	
47	NEO-H-24S2835-36AC		36		250		9	630	46,5x46	
44	NEO-L-12XL-S2x6-DC		24		350	500	14,5	2 400	145x43	
45	NEO-L-18S5630G3-CV		12		100	150	6,8	940	320x12	
45	NEO-L-18LS2835-CV		12		100	150	6,8	850	320x12	
44	NEO-L-12XL-AC		220 AC		70		16	1 470	145x43	
48	NEO-L-91LS2835-AC		220 AC		70		16	1 850	145x43	
Street and Industrial light / Уличное и промышленное освещение										
11	NEO-Q-4XPXTL	10,5	12	14	700	1050	8,5	1 250	60x50	AL
12	NEO-Q-4MZ	42	46	48	700	1050	31,5	3 800	73x73	
13	NEO-Q-8XP	21	24	27	700	1500	16,8	2 260	60x64	
15	NEO-L-12XL-V12	32	36	40	350	1050	12,5	2 040	310x16	
22	NEO-L-16XT	43	48	53	700	1500	34	5 000	231x49	
24	NEO-L-20XP	54	60	66	700	1500	42,5	6 240	228x54	
26	NEO-L-24XPL	68	72	85	350	1050	24,4	4 080	117x97	
27	NEO-L-28XTL	77	84	93	350	1050	28,4	4 760	155,8x95,8	
28	NEO-L-28XTL-79x79	77	84	93	350	1050	28,4	4 760	79x79	
21	NEO-Q-16XTL	43	48	53	350	1050	16,2	2 720	161x67,5	
23	NEO-L-18XTL	48	54	60	350	1050	18,3	3 060	195,8x65,8	
16	NEO-Q-12L3030	21	24	27	350	700	8,4	1 260	60x50	
25	NEO-Q-24L3030	42	48	54	350	700	16,9	2 530	100x60	
17	NEO-L-12XL-1S2x6	32	36	40	700	1500	25,5	3 750	145x43	

Page	LED module	Forward Voltage, V			Current, mA		Typical power, W	Typical luminous flux, Lm ±5 % (CCT 5000K, Tj=50°) *Typical PPF, μmol/s	Size, mm	Material
		min	typical	max	typical	max.				
18	NEO-L-12MHB-1S2x6	138	144	152	350	450	49	6 920	145x43	AL
19	NEO-L-12L5050-1S2x6	138	144	149	350	450	51	7 150	145x43	
20	NEO-L-12XL-3S2x2	32	36	40	700	1500	25,5	3 750	166x50	
6	NEO-L-30LS2835_281x24	16	18	21	350	700	5,2	835	281x24	
29	NEO-L-30LS2835-146x46	28	30	33	700	1050	20,8	2 940	146x46	
33	NEO-L-36LS2835-146x46	33	36	39	700	1050	24,9	3 530		
32	NEO-L-33S5630G3- F	29,5	33	35,5	350	500	11,8	1 980	280x55	
31	NEO-L-33LS2835-F	29,5	33	35,5	350	700	11,8	1 790		
37	NEO-L-2x33LS2835-F	29,5	33	35,5	350	700	11.8/11.8	1 790 / 1 790		
29	NEO-L-33LS2835-277x41	29,5	33	35,5	350	700	11,8	1 790	277x41	
36	NEO-L-64LS2835	43	48	53	700	1200	32,5	4 880	244x48,5	
34	NEO-L-40L3030	44	48	52	700	1050	33,8	4 720	239,4x47	
35	NEO-L-48L3030	68	71	77	350	700	24	3 550	184,5x50,5	
38	NEO-L-84L3030	81	84	92	700	1050	59	8 850	239,4x47	
14	NEO-L-8XL-2T1x4	22	24	28	700	1500	17	2 500	115x51	

Horticultural Lighting / Свет для растений

49	NEO-L-8XPL-490-FitoMix	20	21	22	350	700	7,2	*15,1 µmol/s	490x15	AL
49	NEO-L-12XL-1S2x6-FitoMix1	27	30	33	350	700	10,5	*22,8 µmol/s	145x43	
50	NEO-L-12XL-V12-FitoMix1	27	30	33	350	700	10,5	*22,8 µmol/s	310x16	
50	NEO-L-18L3535-Fito	24	27	31	300	400	7,8	*14,1 µmol/s	490x13	
51	NEO-L-49LS2835-Horti	19	21	23	400	700	7,8	*14,1 µmol/s	515x12	
51	NEO-L-48LS2835-448-Horti	33	36	39	350	700	12	*20,15 µmol/s	448x12,5	
50	NEO-L-18LS2835-Horti	25	27	30	300	400	8,1	*12,04 µmol/s	515x12,8	
51	NEO-L-18L3535-280-FitoMix4	25	27	30	300	300	8,3	*8,3 µmol/s	280x13	
52	NEO-L-91LS2835-AC-FitoMix		220 AC		70		16	*16,2 µmol/s	145x43	

REFERENCE



LED brand

362x15mm

LED module size

AL 1.6

Thickness and type of PCB material

Ø3.3 3pcs

Quantity and diameter of the hole

1x6



Connection diagram



Connector type

3.45x3.45

SMD 2835

LED package

OFFICE LIGHTING

LED modules are PCBs with mounted LEDs and mounting holes with isolated area for a screw or a rivet. Module characteristics, such as LEDs CCT range and flux-bin, are printed on the front surface. LED modules have contact PADS for terminal blocks used for connecting modules to power supply units.

Светодиодные модули представляют из себя платы с напаянными светодиодами. Для крепления модулей предусмотрены отверстия с изолированной зоной вокруг них под головку винта или заклепки. На лицевой стороне нанесена маркировка с указанием электрических параметров модуля, диапазона цветовой температуры и флюкс-бина смонтированных светодиодов. Питание модуля осуществляется от источника постоянного тока. Для подключения питания предусмотрены контактные площадки под разъемы.

NEO-L-6XPL-362

CREE

SAMSUNG

362x15mm

AL 1.6

Ø3.3 3pcs

1x6

NS2059

3.45x3.45



Model	CCT, K	LED quantity	LED	Current, mA	Beam angle, °	Typical luminous flux, lm (Tj = 85°C)	Typical power W *
NEO-L-6XPL-362	2850–3200	6	XTEAWT-E0-CSMD-00000HFE7	700	115	1325	12,6
	4700–5300		XPGDWT-01-0000-00ME3		125	1900	11,9
			XTEAWT-E0-CSMD-00000BKE3		115	1700	12,6
			SPHWH2L3D30CD4RTP3		120	1760	12,7
			SPHWH2L3D50CE4RTQF	700 / 1500	128	1860 / 3370	12,6 / 29,1
	XPLBWT-00-CNFL-A00BV50E3		125		1915 / 3745	11,6 / 26,1	

* power and luminous flux are measured at the same Tj of LEDs.

NEO-L-8XPL

CREE

SAMSUNG

490x15mm

AL 1.6

Ø3.3 9pcs

1x8

3.45x3.45



Model	CCT, K	LED quantity	LED	Current, mA	Beam angle, °	Typical luminous flux, @ 700 mA, lm (Tj = 85 °C)	Typical power W *
NEO-L-8XPL	2850–3200	8	XTEAWT-E0-CSMD-00000HFE7	700	115	1765	16,8
	4700–5300		XPGDWT-01-0000-00ME3		125	2535	15,8
			XTEAWT-E0-CSMD-00000BKE3		115	2266	16,8
			SPHWH2L3D30CD4RTP3		120	2345	16,9
			SPHWH2L3D50CE4RTQF	700 / 1500	128	2480 / 4493	16,8 / 38,8
			XPLBWT-00-CNFL-A00BV50E3		125	2553 / 4993	15,5 / 34,8

* power and luminous flux are measured at the same Tj of LEDs.

NEO-L-8I3030



490x14mm

AL 1.0

Ø3.2 7pcs

2x4







Model	CCT, K	LED quantity	LED	Current, mA	Beam angle, °	Typical luminous flux, (Tj = 50 °C)	Typical power W *
NEO-L-8L3030	4750–5250	8	L130–5080003000W21	350 / 400	116	995 / 1110	7,5 / 9
	3750–4250		L130–4080003000W21			990 / 1105	
	2870–3200		L130–3080003000W21			985 / 1100	

* power and luminous flux are measured at the same Tj of LEDs

NEO-L-12S5630G3



495x13mm

AL 1.0

Ø3.3 5pcs

2x6







Model	CCT, K	LED quantity	LED	Current, mA	Beam angle, °	Typical luminous flux *, lm (Tj = 50 °C)	Typical power W **
NEO-L-12S5630G3	4700–5300	12	SPMWHT541ML5XAR0S6	350 / 400	120	1095 / 1230	6,3 / 7,3
	3700–4300		SPMWHT541ML5XAT0S6			1065 / 1200	
	2800–3200		SPMWHT541ML5XAV0S6			1020 / 1150	

* parameters in the table are for flux bin S6

** parameters in the table are at Tj=50 °C, Vf bin AZ

NEO-L-14LS2835







490x13mm

AL 1.0

Ø3.3 6pcs

2x7







Model	CCT, K	LED quantity	LED	Current, mA	Beam angle, °	Typical luminous flux *, lm (Tj = 50 °C)	Typical power W **
NEO-L-14LS2835	4700–5300	14	SEL-2835–5-3V150	300	120	945	6,8
	3700–4300		SEL-2835–4-3V150			920	
	2800–3200		SEL-2835–3-3V150			895	
	4700–5300		SPMWH3228FD5WAR0SE	300		915	6,1
	3700–4300		SPMWH1228FD5WAT0SE			900	
	2800–3200		SPMWH1228FD5WAV0SE			855	
	4700–5300		L128–5080CA3 500 001	300 / 350 / 400		935 / 1060 / 1185	6,6 / 7,9 / 9,2
	3700–4300		L128–4080CA3 500 001			930 / 1055 / 1180	
	2800–3200		L128–3080CA3 500 001			870 / 990 / 1105	

* power and luminous flux are measured at the same Tj of LEDs

OFFICE LIGHTING

STREET AND INDUSTRIAL LIGHTING

PUBLIC AND AREA LIGHTING

HORTI / FITO

NEO-L-16L3020-280



280x12mm

AL 1.0

Ø3.2 4pcs

2x8

NS2059

SMD 3020



Model	CCT, K	LED quantity	LED	Current, mA	Beam angle, °	Typical luminous flux, lm (Tj = 50 °C)	Typical power W *
NEO-L-16L3020-280	4700–5300	16	L130–5080003000W21	300 / 350 / 400	120	980 / 1115 / 1245	7,7 / 8,8 / 10,6
	3700–4300		L130–4080003000W21			960 / 1095 / 1220	
	2900–3200		L130–3080003000W21			905 / 1030 / 1145	

* power and luminous flux are measured at the same Tj of LEDs

NEO-L-16LS2835





463x13mm

AL 1.0

Ø3.2 5pcs

2x8

2060-402

SMD 2835



Model	CCT, K	LED quantity	LED	Current, mA	Beam angle, °	Typical luminous flux, lm (Tj = 50°C)	Typical power W *
NEO-L-16LS2835	4700-5300	16	SEL-2835-5-3V150	300	120	1080	7,7
	3700-4300		SEL-2835-4-3V150			1055	
	2800-3200		SEL-2835-3-3V150			1020	
	4700-5300		SPMWH3228FD5WAR0SE	300		987	7,2
	3700-4300		SPMWH1228FD5WAT0SE			1020	
	2800-3200		SPMWH1228FD5WAV0SE			970	
	4700-5300		L128-5080CA3 500 001	300 / 350 / 400		1070 / 1220 / 1360	7,5 / 9 / 10,5
	3700-4300		L128-4080CA3 500 001			1065 / 1215 / 1350	
	2800-3200		L128-3080CA3 500 001			995 / 1135 / 1260	

* power and luminous flux are measured at the same Tj of LEDs

NEO-L-18LS2835





520x12.8 mm

AL 1.0

Ø3.2 7pcs

2x9

NS2059

SMD 2835



Model	CCT, K	LED quantity	LED	Current, mA	Beam angle, °	Typical luminous flux, lm (Tj = 50°C)	Typical power W *
NEO-L-18LS2835	4700-5300	18	SEL-2835-5-3V150	300	120	1215	8,7
	3700-4300		SEL-2835-4-3V150			1185	
	2800-3200		SEL-2835-3-3V150			1150	
	4700-5300		SPMWH3228FD5WAR0SE	300		1110	8,1
	3700-4300		SPMWH1228FD5WAT0SE			1150	
	2800-3200		SPMWH1228FD5WAV0SE			1090	
	4700-5300		L128-5080CA3 500 001	300 / 350 / 400		1205 / 1370/ 1530	8,5 / 10,2 / 11,7
	3700-4300		L128-4080CA3 500 001			1200 / 1365 / 1520	
	2800-3200		L128-3080CA3 500 001			1120 / 1275 / 1420	

* power and luminous flux are measured at the same Tj of LEDs

NEO-L-18LS2835-280



Model	CCT, K	LED quantity	LED	Current, mA	Beam angle, °	Typical luminous flux, lm (Tj = 50°C)	Typical power W *
NEO-L-18LS2835_280	4700–5300	18	SEL-2835–5-3V150	300	120	1215	8,7
	3700–4300		SEL-2835–4-3V150			1185	
	2800–3200		SEL-2835–3-3V150			1150	
	4700–5300		SPMWH3228FD5WAROSE	300		1110	8,1
	3700–4300		SPMWH1228FD5WATOSE			1150	
	2800–3200		SPMWH1228FD5WAVOSE			1090	
	4700–5300		L128–5080CA3 500 001	300 / 350 / 400		1205 / 1370/ 1530	8,5 / 10,2 / 11,7
	3700–4300		L128–4080CA3 500 001			1200 / 1365 / 1520	
	2800–3200		L128–3080CA3 500 001			1120 / 1275 / 1420	

* power and luminous flux are measured at the same Tj of LEDs

NEO-L-22LS2835-383



Model	CCT, K	LED quantity	LED	Current, mA	Beam angle, °	Typical luminous flux, lm (Tj = 50°C)	Typical power W *
NEO-L-22LS2835-383	4700-5300	22	SEL-2835-5-3V150	300	120	1440	10,6
	3700-4300		SEL-2835-4-3V150			1410	
	2800-3200		SEL-2835-3-3V150			1370	
	4700-5300		SPMWH3228FD5WAROSE	300		1395	10
	3700-4300		SPMWH1228FD5WATOSE			1415	
	2800-3200		SPMWH1228FD5WAVOSE			1345	
	4700-5300		L128-5080CA3 500 001	300 / 350 / 400		1470 / 1670 / 1865	10,4 / 12,4 / 14,5
	3700-4300		L128-4080CA3 500 001			1465 / 1665 / 1855	
	2800-3200		L128-3080CA3 500 001			1370 / 1560 / 1740	

* power and luminous flux are measured at the same Tj of LEDs

NEO-L-18S5630G3



Model	CCT, K	LED quantity	LED	Current, mA	Beam angle, °	Typical luminous flux *, lm (Tj = 50 °C)	Typical power W **
NEO-L-18S5630G3	4700-5300	18	SPMWHT541ML5XAROS6	350 / 400	120	1140 / 1285	6,2 / 7,2
	3700-4300		SPMWHT541ML5XATOS6			1110 / 1250	
	2800-3200		SPMWHT541ML5XAVOS6			1065 / 1200	

* parameters in the table are for flux bin S6

** parameters in the table are at Tj=50°C, Vf bin AZ

NEO-L-21S5630G3



490x14mm

AL 1.0

Ø3.3 8pcs

3x7







Model	CCT, K	LED quantity	LED	Current, mA	Beam angle, °	Typical luminous flux *, lm (Tj = 50 °C)	Typical power W **
NEO-L-21S5630G3	4700 — 5300	21	SPMWHT541ML5XAR0S6	350 / 400	120	1335 / 1500	7,2 / 8,3
	3700 — 4300		SPMWHT541ML5XAT0S6			1295 / 1460	
	2800 — 3200		SPMWHT541ML5XAV0S6			1245 / 1400	

* parameters in the table are for flux bin S6
** parameters in the table are at Tj=50°C, Vf bin AZ

NEO-L-30LS2835_281x24







281x24mm

AL 1.0

Ø3.3 6pcs

6x5







Model	CCT, K	LED quantity	LED	Current, mA	Beam angle, °	Typical luminous flux *, lm (Tj = 50°C)	Typical power W **
NEO-L-30LS2835_281x24	4700–5300	30	SEL-2835-5-3V150	350 / 400 / 700	120	855 / 965 / 1585	5,2 / 6 / 11
	3700–4300		SEL-2835-4-3V150			835 / 945 / 1550	
	2800–3200		SEL-2835-3-3V150			810 / 915 / 1505	
	4700–5300		SPMWH3228FD5WAR0SE			820 / 940 / 1560	
	3700–4300		SPMWH1228FD5WAT0SE	835 / 955 / 1580		4,9 / 5,8 / 10,4	
	2800–3200		SPMWH1228FD5WAV0SE	790 / 905 / 1500			
	4700–5300		L128–5080CA3 500 001	865 / 1620 / 2280			
	3700–4300		L128–4080CA3 500 001	865 / 1615 / 2270		5 / 10,7 / 16,8	
	2800–3200		L128–3080CA3 500 001	805 / 1515 / 2125			

* power and luminous flux are measured at the same Tj of LEDs

NEO-L-36LS2835_559x16







559x16mm

FR4 1.0

Ø3.3 6pcs

3x12







Model	CCT, K	LED quantity	LED	Current, mA	Beam angle, °	Typical luminous flux *, lm (Tj = 50 °C)	Typical power W **
NEO-L-36LS2835_559	4700–5300	36	SEL-2835-5-3V150	300 / 350 / 400	120	1690 / 1905 / 2130	11,1 / 13,2 / 15,3
	3700–4300		SEL-2835-4-3V150			1650 / 1860 / 2075	
	2800–3200		SEL-2835-3-3V150			1605 / 1805 / 2020	
	4700–5300		SPMWH3228FD5WAR0SE			1630 / 1870 / 2080	
	3700–4300		SPMWH1228FD5WAT0SE			1660 / 1885 / 2110	10,2 / 11,9 / 13,8
	2800–3200		SPMWH1228FD5WAV0SE			1570 / 1790 / 2005	
	4700–5300		L128–5080CA3 500 001			1700 / 1945 / 2175	
	3700–4300		L128–4080CA3 500 001			1695 / 1940 / 2165	
	2800–3200		L128–3080CA3 500 001			1585 / 1815 / 2030	10,8 / 12,9 / 14,8
	4700–5300						
	3700–4300						
	2800–3200						

* power and luminous flux are measured at the same Tj of LEDs

NEO-L-6x6LS2835



Model	CCT, K	LED quantity	LED	Current, mA	Beam angle, °	Typical luminous flux, lm (Tj = 50 °C)	Typical power W *
NEO-L-6x6LS2835	4700–5300	36	SEL-2835–5-3V150	350 / 400 / 700	120	1029 / 1160 / 1905	6,2 / 7,1 / 13,2
	3700–4300		SEL-2835–4-3V150			1003 / 1134 / 1864	
	2800–3200		SEL-2835–3-3V150			976 / 1100 / 1810	
	4700–5300		SPMWH3228FD5WAROSE	400 / 700 / 1050		985 / 1130 / 1870	5,9 / 6,9 / 12,5
	3700–4300		SPMWH1228FD5WATOSE			1000 / 1145 / 1900	
	2800–3200		SPMWH1228FD5WAVOSE			950 / 1090 / 1800	
	4700–5300		L128–5080CA3 500001	400 / 700 / 1050		1185 / 1945 / 2735	7 / 12,9 / 20,1
	3700–4300		L128–4080CA3 500001			1185 / 1940 / 2725	
	2800–3200		L128–3080CA3 500001			1105 / 1815 / 2555	

* power and luminous flux are measured at the same Tj of LEDs.

NEO-L-48S5630G3-448



Model	CCT, K	LED quantity	LED	Current, mA	Beam angle, °	Typical luminous flux *, lm (Tj = 50 °C)	Typical power W **
NEO-L-48S5630G3-448	4700–5300	48	SPMWH541ML5XAR0S6	350 / 400 / 700	120	2340 / 2640 / 4385	12,1 / 13,9 / 25,4
	3700–4300		SPMWH541ML5XAT0S6			2280 / 2570 / 4270	
	2800–3200		SPMWH541ML5XAV0S6			2190 / 2465 / 4095	

* parameters in the table are for flux bin S6
** parameters in the table are at Tj=50 °C, Vf bin AZ

NEO-L-48LS2835-448



Model	CCT, K	LED quantity	LED	Current, mA	Beam angle, °	Typical luminous flux, lm (Tj = 50 °C)	Typical power W *
NEO-L-48LS2835-448	4700–5300	48	SEL-2835-5-3V150	350 / 400	120	1990 / 2255	10,8 / 12,8 / 14,8
	3700–4300		SEL-2835-4-3V150			1945 / 2205	
	2800–3200		SEL-2835-3-3V150			1890 / 2040	
	4700–5300		SPMWH3228FD5WAROSE	350 / 400 / 700		1880 / 1980	12,2 / 14,5
	3700–4300		SPMWH1228FD5WATOSE			1960 / 2060	
	2800–3200		SPMWH1228FD5WAVOSE			1860 / 1953	
	4700–5300		L128-5080CA3500001			2020 / 2265 / 3650	
	3700–4300		L128-4080CA3500001			2015 / 2260 / 3630	
	2800–3200		L128-3080CA3500001			1890 / 2115 / 3405	

* power and luminous flux are measured at the same Tj of LEDs.

OFFICE LIGHTING

STREET AND INDUSTRIAL LIGHTING

PUBLIC AND AREA LIGHTING

HORTI / FITO

NEO-L-96LS2835-448



Model	CCT, K	LED quantity	LED	Current, mA	Beam angle, °	Typical luminous flux, lm (Tj = 50 °C)	Typical power W *
NEO-L-96LS2835-448	4700-5300	48	SEL-2835-5-3V150	300 / 350 / 400	120	3460 / 3985 / 4515	21,6 / 25,6 / 29,6
	3700-4300		SEL-2835-4-3V150			3375 / 3895 / 4410	
	2800-3200		SEL-2835-3-3V150			3280 / 3780 / 4285	
	4700-5300		SPMWH3228FD5WAR0SE	350 / 400 / 700		3355 / 3845 / 4355	20,7 / 24,4 / 28,1
	3700-4300		SPMWH1228FD5WAT0SE			3405 / 3900 / 4420	
	2800-3200		SPMWH1228FD5WAV0SE			3230 / 3700 / 4195	
	4700-5300		L128-5080CA3500001	350 / 400 / 700		4005 / 4530 / 7300	24,9 / 28,9 / 53,8
	3700-4300		L128-4080CA3500001			4000 / 4520 / 7265	
	2800-3200		L128-3080CA3500001			3740 / 4230 / 6810	

* power and luminous flux are measured at the same Tj of LEDs.

NEO-L-45LS2835



Model	CCT, K	LED quantity	LED	Current, mA	Beam angle, °	Typical luminous flux, lm (Tj = 50 °C)	Typical power W *
NEO-L-45LS2835	4700–5300	45	SEL-2835-5-3V150	350 / 400 / 700	120	1520 / 1720 / 2775	9,4 / 10,9 / 20,1
	3700–4300		SEL-2835-4-3V150			1485 / 1680 / 2710	
	2800–3200		SEL-2835-3-3V150			1440 / 1630 / 2635	
	4700–5300		L128-5080CA3500001	400 / 700 / 1500		1710 / 2840 / 3980	10,6 / 19,7 / 31,4
	3700–4300		L128-4080CA3500001			1700 / 2830 / 3960	
	2800–3200		L128-3080CA3500001			1592 / 2645 / 3710	
	4700–5300		SPMWH22286D5WAR0S2	300 / 350		1095 / 1245	8,2 / 9,6
	3700–4300		SPMWH22286D5WAT0S2			1070 / 1220	
	2800–3200		SPMWH22286D5WAV0S2			1010 / 1145	

* power and luminous flux are measured at the same Tj of LEDs.

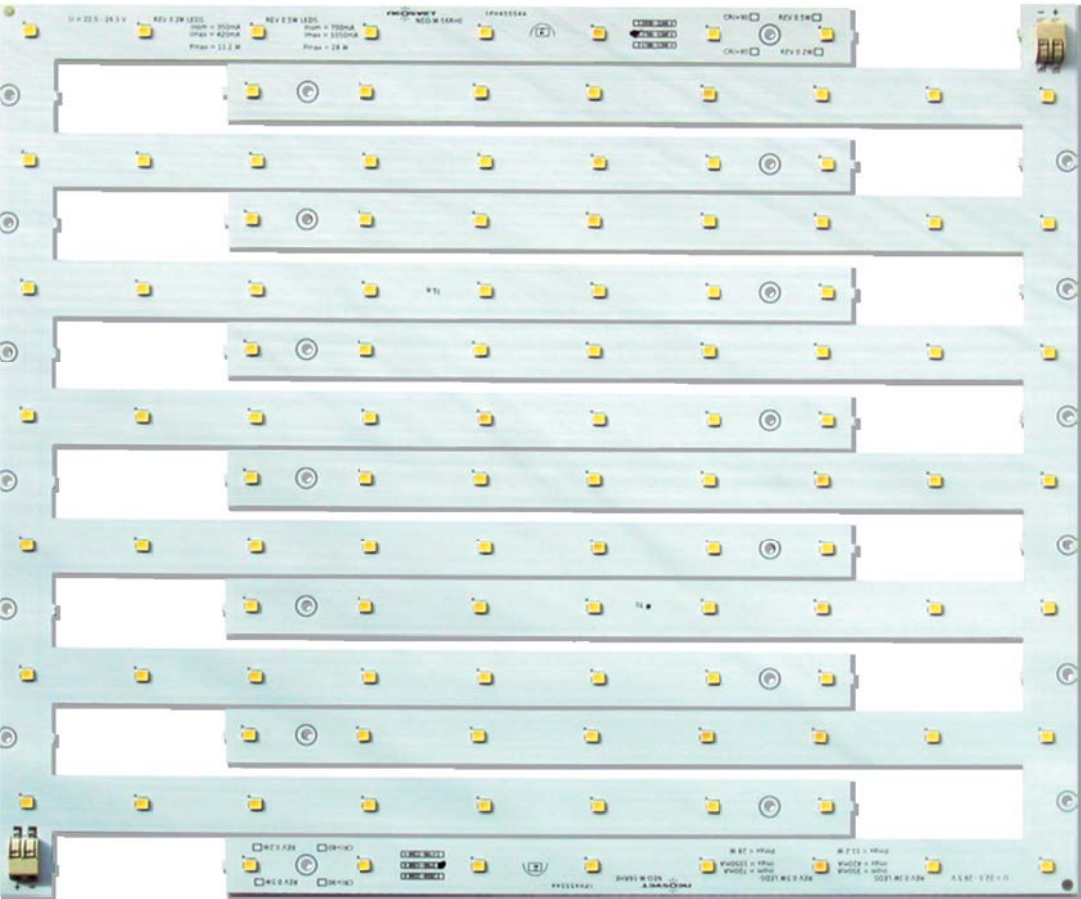
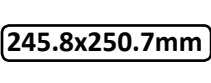
NEO-L-49LS2835



Model	CCT, K	LED quantity	LED	Current, mA	Beam angle, °	Typical luminous flux, lm (Tj = 50°C)	Typical power W *
NEO-L-49LS2835	4700 — 5300	49	SEL-2835-5-3V150	350 / 400 / 700	120	1215 / 1375 / 2305	7,2 / 8,2 / 15,1
	3700 — 4300		SEL-2835-4-3V150			1185 / 1340 / 2250	
	2800 — 3200		SEL-2835-3-3V150			1155 / 1300 / 2185	
	4700 — 5300		L128-5080CA3 500 001	400 / 700 / 1050		1390 / 2310 / 3275	8,1 / 14,8 / 23,1
	3700 — 4300		L128-4080CA3 500 001			1390 / 2305 / 3265	
	2800 — 3200		L128-3080CA3 500 001			1300 / 2160 / 3055	
	4700 — 5300		SPMWH22286D5WAR0S2	300 / 350 / 400		900 / 1025 / 1140	6,2 / 7,3 / 8,4
	3700 — 4300		SPMWH22286D5WAT0S2			885 / 1005 / 1120	
	2800 — 3200		SPMWH22286D5WAV0S2			830 / 945 / 1050	

* power and luminous flux are measured at the same Tj of LEDs.

NEO-M-56RHE30



Model	CCT, K	LED quantity	LED	Current, mA	Beam angle, °	Typical luminous flux, lm (Tj = 50°C)	Typical power W *
NEO-M-56RHE30	4700 — 5300	49	SEL-2835-5-3V150	350 / 400 / 700	120	1380 / 1570 / 2635	8,2 / 9,4 / 17,3
	3700 — 4300		SEL-2835-4-3V150			1355 / 1530 / 2570	
	2800 — 3200		SEL-2835-3-3V150			1320 / 1490 / 2495	
	4700 — 5300		SPMWH3228FD5WAR0SE			1295 / 1470 / 2475	7,9 / 9,1 / 16,4
	3700 — 4300		SPMWH1228FD5WAT0SE			1350 / 1530 / 2580	
	2800 — 3200		SPMWH1228FD5WAV0SE			1280 / 1450 / 2445	
	4700 — 5300		L128-5080CA3 500 001	300 / 350 / 400		1405 / 1590 / 2640	8 / 9,3 / 16,9
	3700 — 4300		L128-4080CA3 500 001			1400 / 1585 / 2635	
	2800 — 3200		L128-3080CA3 500 001			1315 / 1485 / 2465	
	4700 — 5300		SPMWH22286D5WAR0S2			1030 / 1170 / 1305	7,1 / 9,3 / 8,6
	3700 — 4300		SPMWH22286D5WAT0S2			1010 / 1145 / 1280	
	2800 — 3200		SPMWH22286D5WAV0S2			950 / 1080 / 1200	

* power and luminous flux are measured at the same Tj of LEDs.

OFFICE LIGHTING

STREET AND INDUSTRIAL LIGHTING

PUBLIC AND AREA LIGHTING

HORTI / FITO

NEO-M-64RHE2835

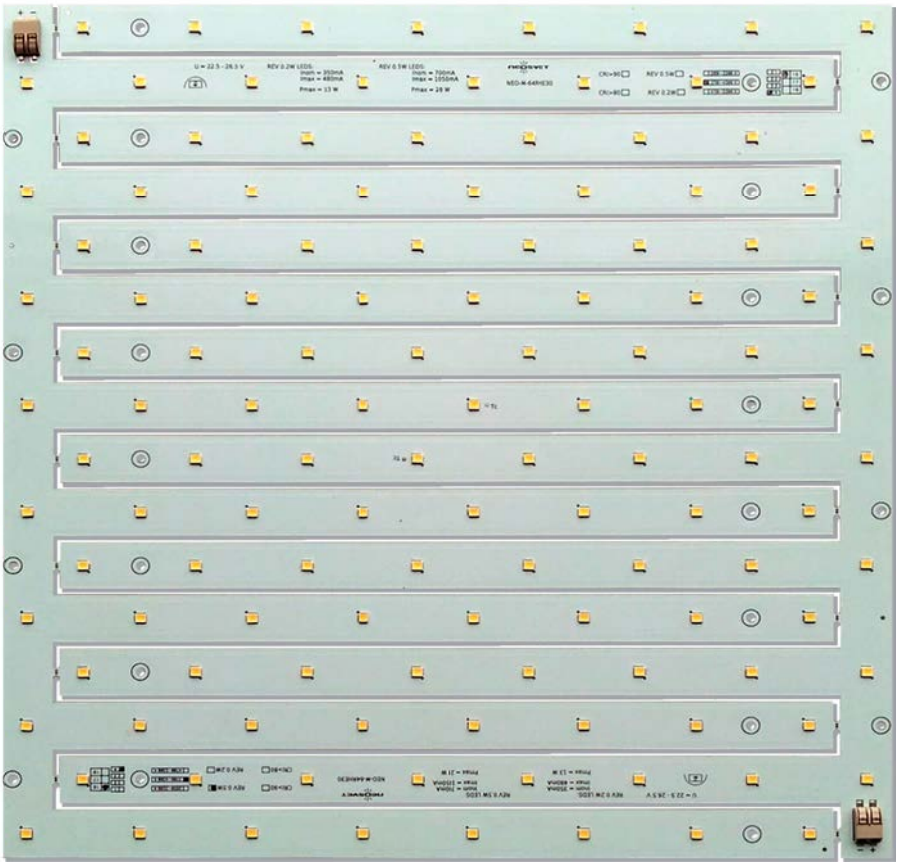


264x286mm

FR4
1.6

Ø2.6
12pcs

8x8



Model	CCT, K	LED quantity	LED	Current, mA	Beam angle, °	Typical luminous flux, lm (Tj = 50 °C)	Typical power W *
NEO-M-56RHE30	4700–5300	49	SEL-2835-5-3V150	350 / 400 / 700	120	1395 / 1590 / 2655	8,1 / 9,3 / 17,1
	3700–4300		SEL-2835-4-3V150			1360 / 1550 / 2595	
	2800–3200		SEL-2835-3-3V150			1320 / 1505 / 2520	
	4700–5300		SPMWH3228FD5WAR0SE			1345 / 1520 / 2590	7,9 / 9 / 16,4
	3700–4300		SPMWH1228FD5WAT0SE			1365 / 1545 / 2630	
	2800–3200		SPMWH1228FD5WAV0SE			1295 / 1465 / 2490	
	4700–5300		L128-5080CA3500001	300 / 350 / 400		1425 / 1610 / 2695	8 / 9,2 / 16,8
	3700–4300		L128-4080CA3500001			1420 / 1605 / 2690	
	2800–3200		L128-3080CA3500001			1330 / 1500 / 2520	
	4700–5300		SPMWH22286D5WAR0S2			1060 / 1200 / 1335	7,1 / 8,3 / 9,5
	3700–4300		SPMWH22286D5WAT0S2			1040 / 1180 / 1310	
	2800–3200		SPMWH22286D5WAV0S2			975 / 1105 / 1230	

* power and luminous flux are measured at the same Tj of LEDs.

STREET AND INDUSTRIAL LIGHTING

LED modules are PCBs with mounted LEDs and mounting holes with isolated area for a screw or a rivet. LED modules have contact PADs for terminal blocks used for connecting modules to power supply units.

Светодиодные модули — платы с напаянными светодиодами. Для крепления модулей предусмотрены отверстия с изолированной зоной вокруг них под головку винта или заклепки. Питание модуля осуществляется от источника постоянного тока. Для подключения питания предусмотрены контактные площадки или разъемы.

NEO-Q-4XPL

CREE 

SAMSUNG 

50x60 mm

AL 1.6

Ø3.3 1pcs

1x4 

 3.45x3.45



Model	CCT, K	LED quantity	LED	Current, mA	Beam angle, °	Typical luminous flux, lm (Tj = 85 °C)	Typical power W *
NEO-Q-4XPL	2850–3200	4	XTEAWT-E0-CSMD-00000HFE7	700	115	883	8,4
	XPGDWT-01-0000-00ME3		125		1268	7,9	
	XTEAWT-E0-CSMD-00000BKE3		115		1133	8,5	
	SPHWH2L3D30CD4RTP3		120		1172	8,5	
	4700–5300		SPHWHTL3D50CE4RTQF	700 / 1500	128	1240 / 2247	8,4 / 19,4
			XPLBWT-00-CNFL-A00BV50E3		125	1277 / 2497	7,8 / 17,4

* Calculated value
Other types of LEDs with equivalent solder pads can be used as per customer requirements.

Secondary optics compatible with LED modules NEO-Q-4XPL



LL04CR



STRADA-2x2



DK5050-4H1

NEO-Q-4MZ



73x73 mm

AL
1.6

Ø3.5
4pcs

1x4

NS2059

LMZ 4042



Model	CCT, K	LED quantity	LED	Current, mA	Beam angle, °	Typical luminous flux, lm (Tj = 85 °C)	Typical power W *
NEO-Q-4MZ	5700	4	LXR9-SW57	700	120	3515	31,4
			LMZ9-SW57			3075	
	5000		LXR7-SW50			4550	30,8
	4000		LMZ7-SW40			3755	
	3000		LXR9-SW30			2935	31,4
			LMZ9-SW30			2555	

* Calculated value
Other types of LEDs with equivalent solder pads can be used as per customer requirements.

Secondary optics compatible with LED modules
NEO-Q-4MZ



STRADA-2x2 MX
HB-2x2 MX



DK90x90

NEO-Q-8XP

CREE

SAMSUNG

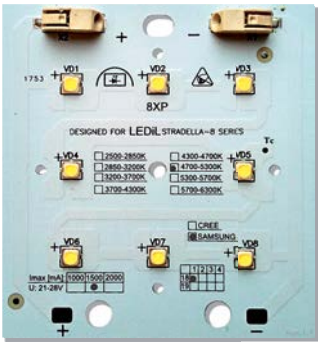
60x64 mm

AL
1.6

Ø3.3
1pcs

1x8

2060-401



Model	CCT, K	LED quantity	LED	Current, mA	Beam angle, °	Typical luminous flux, @ 700 mA, lm (Tj = 85 °C)	Typical power W *
NEO-Q-8XP	2850–3200	8	XTEAWT-E0-CSMD-00000HFE7	700	115	1765	16,8
	4700–5300		XPGDWT-01-0000-00ME3		125	2535	15,8
			XTEAWT-E0-CSMD-00000BKE3		115	2266	16,8
			SPHWH2L3D30CD4RTP3		120	2345	16,9
			SPHWH2L3D50CE4RTQF	700 / 1500	128	2480 / 4493	16,8 / 38,8
			XPLBWT-00-CNFL-A00BV50E3		125	2553 / 4993	15,5 / 34,8

* power and luminous flux are measured at the same Tj of LEDs.
Other types of LEDs with equivalent PADs can be used at per customer requirements.

Secondary optics compatible with LED modules
NEO-Q-8XP



LL08CR-CYTxx



STRADELLA-8

OFFICE LIGHTING

STREET AND INDUSTRIAL LIGHTING

PUBLIC AND AREA LIGHTING

HORTI / FITO

NEO-L-8XL-2T1x4

CREE

115x51 mm

AL
1.6

Ø3.3
4pcs

1x8

2060-401

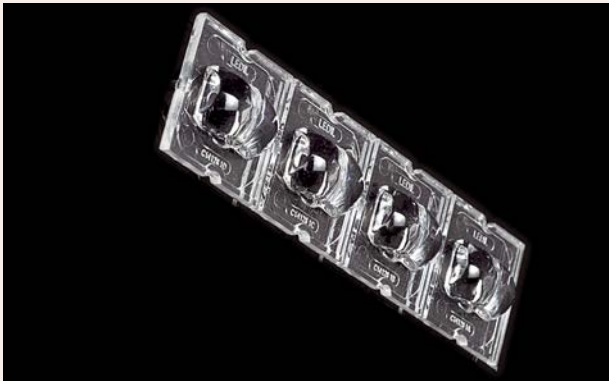
4.75x4.75



Model	CCT, K	LED quantity	LED	Current, mA	Beam angle, °	Typical luminous flux, lm (Tj = 85 °C)	Typical power W *
NEO-L-8XL-2T1x4	5000-8200	8	XMLBWT-00-0000-000BU20E3	700 / 1500	120	2400 / 4635	16 / 36,5
	4300-4700		XMLBWT-00-0000-000HT60E5			2240 / 4325	
	3200-3700		XMLBWT-00-0000-000LT40E7			1920 / 3705	

* power and luminous flux are measured at the same Tj of LEDs.
Other types of LEDs with equivalent solder pads can be used as per customer requirements.

Secondary optics compatible with LED modules
NEO-L-8XL-2T1x4



TATYANA 1x4

NEO-L-12XL-V12

CREE

SAMSUNG

310x16 mm

AL
1.6

Ø3.3
4pcs

1x12

2060-402

3.45x3.45



Model	CCT, K	LED quantity	LED	Current, mA	Beam angle, °	Typical luminous flux, lm (Tj = 85 °C)	Typical power W *
NEO-L-12XL-V12	2850–3200	12	XTEAWT-E0-CSMD-00000HFE7	700	115	2649	25,2
	XPGDWT-01-0000-00ME3		125		3804	23,7	
	XTEAWT-E0-CSMD-00000BKE3		115		3399	25,5	
	SPHWH2L3D30CD4RTP3		120		3516	25,5	
	4700–5300		SPHWHTL3D50CE4RTQF	700 / 1500	128	3720 / 6741	25,2 / 58,2
			XPLBWT-00-CNFL-A00BV50E3	125	3831 / 7491	23,4 / 52,2	

* power and luminous flux are measured at the same Tj of LEDs.
Other types of LEDs with equivalent PADs can be used at per customer requirements.

Secondary optics compatible with LED modules
NEO-L-12XL-V12



VANESSA

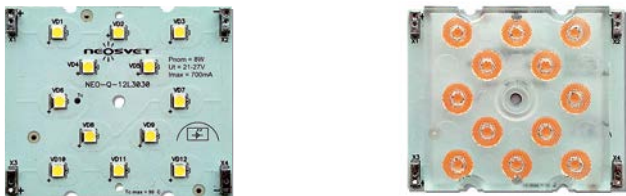
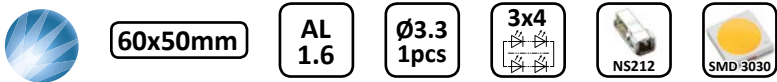
OFFICE LIGHTING

STREET AND INDUSTRIAL LIGHTING

PUBLIC AND AREA LIGHTING

HORTI / FITO

NEO-Q-12L3030



Model	CCT, K	LED quantity	LED	Current, mA	Beam angle, °	Typical luminous flux, lm (Tj = 85 °C)	Typical power W *
NEO-Q-12L3030	4700-5300	12	L130-5080003000W21	350 / 500 / 700	116	1130 / 1530 / 2010	8,3 / 12,3 / 18
	3700-4300		L130-4080003000W21			1130 / 1530 / 2010	
	2700-3300		L130-3080003000W21			1060 / 1440 / 1895	
	4700-5300		MXC8-PW50-0000	350 / 400 / 500	115	1030 / 1145 / 1375	8,4 / 9,7 / 12,6
	3700-4300		MXC8-PW40-0000			1035 / 1145 / 1380	
	2700-3300		MXC8-PW40-0000			975 / 1085 / 1305	
	4700-5300		L135-5080CA35000P1	350 / 500 / 700		655 / 910 / 1235	3,9 / 5,7 / 8,2
	3700-4300		L135-4080CA35000P1			665 / 930 / 1260	
	2700-3300		L135-2780CA35000P1			590 / 820 / 1105	

* power and luminous flux are measured at the same Tj of LEDs.
Other types of LEDs with equivalent PADs can be used at per customer requirements.

Secondary optics compatible with LED modules
NEO-Q-12L3030



LL12ZZ-CRC

NEO-L-12XL-1S2x6

CREE

145x43 mm

AL
1.6

Ø3.3
12pcs

1x12

NS2059

3.45x3.45



Model	CCT, K	LED quantity	LED	Current, mA	Beam angle, °	Typical luminous flux, lm (Tj = 85 °C)	Typical power W *
NEO-L-12XL-1S2x6	2850–3200	12	XTEAWT-E0-CSMD-00000HFE7	700	115	2649	25,2
	XPGDWT-01-0000-00ME3		125		3804	23,7	
	XTEAWT-E0-CSMD-00000BKE3		115		3399	25,5	
	SPHWH2L3D30CD4RTP3		120		3516	25,5	
	4700–5300		SPHWHTL3D50CE4RTQF	700 / 1500	128	3720 / 6741	25,2 / 58,2
			XPLBWT-00-CNFL-A00BV50E3		125	3831 / 7491	23,4 / 52,2

* power and luminous flux are measured at the same Tj of LEDs.
Other types of LEDs with equivalent PADs can be used at per customer requirements.

Secondary optics compatible with LED modules
NEO-L-12XL-1S2x6



LL12CR-CUQXXL



STRADA-IP-2x6
HB-IP-2x6



DK173-12H1

NEO-L-12MHB-1S2x6

CREE

145x43 mm

AL
1.6

Ø3.3
12pcs

3x4

5.0x5.0



Model	CCT, K	LED quantity	LED	Current, mA	Beam angle, °	Typical luminous flux, lm (Tj = 85 °C)	Typical power W *
NEO-L-12MHB-1S2x6	5000	12	MHBBWT-0000-000N0BE250E	350 / 450	115	6920 / 7730	49 / 56,5
			MHBBWT-0000-000F0BE250E	700 / 900		6920 / 8305	49 / 62
			MHBBWT-0000-000C0BD450E	1500		6830	52,7

* power and luminous flux are measured at the same Tj of LEDs.
Other types of LEDs with equivalent PADs can be used at per customer requirements.

Secondary optics compatible with LED modules
NEO-L-12MHB-1S2x6



STRADA-IP-2x6
HB-IP-2x6



LL12CR-CUQXXL



DK173-12H1

NEO-L-12L5050-1S2x6



145x43 mm

AL
1.6

Ø3.3
12pcs

2x6



Model	CCT, K	LED quantity	LED	Current, mA	Beam angle, °	Typical luminous flux, lm (Tj = 85 °C)	Typical power W *	
NEO-L-12L5050-1S2x6	5700	12	L150-5 770 502 400 000	350 / 400	116	7090 / 7940	50,7 / 59,1	
	5000		L150-5 070 502 400 000			7150 / 7985		
	4000		L150-4 070 502 400 000			7215 / 8075		
	5000		12L5050-L150-50 805 006	1050 / 1500		5585 / 7565	36,6 / 54,9	
	4000		12L5050-L150-40 805 006			5620 / 7640		
	3000		12L5050-L150-30 805 006			5235 / 7105		

* power and luminous flux are measured at the same Tj of LEDs.
Other types of LEDs with equivalent PADs can be used at per customer requirements.

Secondary optics compatible with LED modules
NEO-L-12MHB-1S2x6



STRADA-IP-2x6
HB-IP-2x6



LL12CR-CUQXXL



DK173-12H1

NEO-L-12XL-3S2x2

CREE

SAMSUNG

166x50 mm

AL
1.6

Ø3.3
3pcs

1x12

2060-401

3.45x3.45



Model	CCT, K	LED quantity	LED	Current, mA	Beam angle, °	Typical luminous flux, lm (Tj = 85 °C)	Typical power W *
NEO-L-12XL-3S2x2	2850–3200	12	XTEAWT-E0-CSMD-00000HFE7	700	115	2649	25,2
	XPGDWT-01-0000-00ME3		125		3804	23,7	
	XTEAWT-E0-CSMD-00000BKE3		115		3399	25,5	
	SPHWH2L3D30CD4RTP3		120		3516	25,5	
	4700–5300		SPHWHTL3D50CE4RTQF	700 / 1500	128	3720 / 6741	25,2 / 58,2
			XPLBWT-00-CNFL-A00BV50E3		125	3831 / 7491	23,4 / 52,2

* power and luminous flux are measured at the same Tj of LEDs.
Other types of LEDs with equivalent PADs can be used at per customer requirements.

Secondary optics compatible with LED modules
NEO-L-12XL-3S2x2



LLO4CR



STRADA-2x2



DK5050-4H1

NEO-Q-16XTL

CREE

SAMSUNG

161x67.5 mm

AL
1.6

Ø3.5
4pcs

1x16

NS2059

3.45x3.45



Model	CCT, K	LED quantity	LED	Current, mA	Beam angle, °	Typical luminous flux, lm (Tj = 85 °C)	Typical power W *
NEO-Q-16XTL	2850–3200	16	XTEAWT-E0-CSMD-00000HFE7	700	115	3532	33,6
	4700–5300		XPGDWT-01-0000-00ME3		125	5072	31,6
			XTEAWT-E0-CSMD-00000BKE3		115	4532	34
			SPHWH2L3D30CD4RTP3		120	4688	34
			SPHWH2L3D50CE4RTQF		128	4960	33,6
			XPLBWT-00-CNFL-A00BV50E3		125	5108	31,2

* power and luminous flux are measured at the same Tj of LEDs.
Other types of LEDs with equivalent PADs can be used at per customer requirements.

Secondary optics compatible with LED modules
NEO-Q-16XTL



LL16SE-BQL45145L51

NEO-L-16XT

CREE

SAMSUNG

231x49 mm

AL
1.6

Ø3.3
4pcs

1x16


3.45x3.45



Model	CCT, K	LED quantity	LED	Current, mA	Beam angle, °	Typical luminous flux, lm (Tj = 85 °C)	Typical power W *
NEO-L-16XT	2850–3200	16	XTEAWT-E0-CSMD-00000HFE7	700	115	3545	33,6
	XPGDWT-01-0000-00ME3		125		5075	31,8	
	XTEAWT-E0-CSMD-00000BKE3		115		4530	33,6	
	SPHWH2L3D30CD4RTP3		120		4700	34	
	4700–5300		SPHWHTL3D50CE4RTQF	700 / 1500	128	4960 / 8990	33,6 / 77,5
			XPLBWT-00-CNFL-A00BV50E3		125	5110 / 9995	30,8 / 69,6

* power and luminous flux are measured at the same Tj of LEDs.

Secondary optics compatible with LED modules
NEO-L-16XT



DARKOO® 达尔科

DK252-16H1

NEO-L-18XTL

CREE

SAMSUNG

195.8x65.8 mm

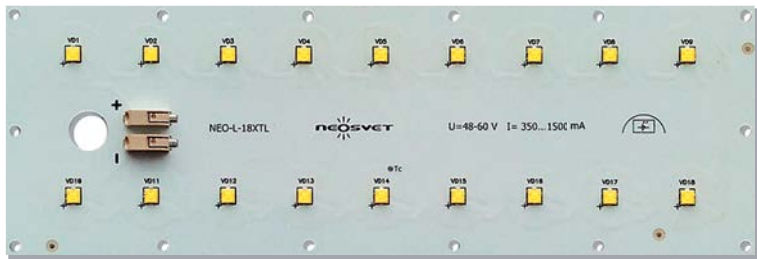
AL
1.6

Ø2.8
14pcs

1x18

2060-401

3.45x3.45



Model	CCT, K	LED quantity	LED	Current, mA	Beam angle, °	Typical luminous flux, lm (Tj = 85 °C)	Typical power W *
NEO-L-18XTL	2850–3200	18	XTEAWT-E0-CSMD-00000HFE7	700	115	3974	37,8
	4700–5300		XPGDWT-01-0000-00ME3		125	5706	35,6
			XTEAWT-E0-CSMD-00000BKE3		115	5099	38,3
			SPHWH2L3D30CD4RTP3		120	5274	38,3
			SPHWHTL3D50CE4RTQF		128	5580	37,8
			XPLBWT-00-CNFL-A00BV50E3		125	5747	35,1

* power and luminous flux are measured at the same Tj of LEDs.
Other types of LEDs with equivalent PADs can be used at per customer requirements.

Secondary optics compatible with LED modules
NEO-L-18XTL



LL18SE-CBZ50150L51

NEO-L-20XP

CREE

SAMSUNG

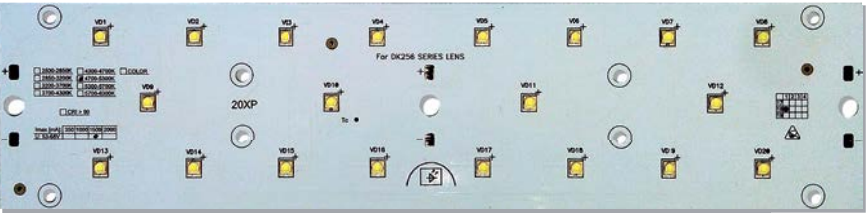
228x54 mm

AL
1.6

Ø3.3
8pcs

1x20


3.45x3.45



Model	CCT, K	LED quantity	LED	Current, mA	Beam angle, °	Typical luminous flux, lm (Tj = 85 °C)	Typical power W *
NEO-L-20XP	2850–3200	20	XTEAWT-E0-CSMD-00000HFE7	700	115	4430	41,9
	4700–5300		XPGDWT-01-0000-00ME3		125	6345	39,7
			XTEAWT-E0-CSMD-00000BKE3		115	5665	41,9
			SPHWH2L3D30CD4RTP3		120	5875	42,5
			SPHWHTL3D50CE4RTQF	700 / 1500	128	6200 / 11240	42 / 96,9
			XPLBWT-00-CNFL-A00BV50E3		125	6390 / 12495	38,5 / 87

* power and luminous flux are measured at the same Tj of LEDs.

Secondary optics compatible with LED modules
NEO-L-20XP



DARKOO® 达尔科

DK256

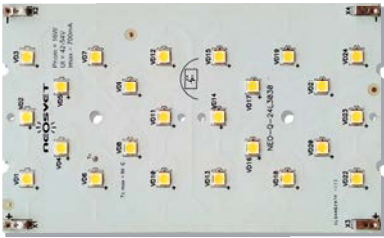
NEO-Q-24L3030



100x60 mm

AL
1.6

Ø3.3
2pcs



Model	CCT, K	LED quantity	LED	Current, mA	Beam angle, °	Typical luminous flux, lm (Tj = 85 °C)	Typical power W *
NEO-Q-24L3030	4700–5300	24	L130-5080003000W21	350 / 500 / 700	116	2260 / 3060 / 4025	16,6 / 24,6 / 36
	3700–4300		L130-4080003000W21			2260 / 3060 / 4025	
	2700–3300		L130-3080003000W21			2120 / 2880 / 3790	
	4700–5300		MXC8-PW50-0000	350 / 400 / 500	115	2065 / 2290 / 2745	16,8 / 19,5 / 25,3
	3700–4300		MXC8-PW40-0000			2070 / 2295 / 2755	
	2700–3300		MXC8-PW40-0000			1955 / 2170 / 2610	
	4700–5300		L135-5080CA35000P1	350 / 500 / 700		1310 / 1825 / 2470	7,8 / 11,4 / 16,3
	3700–4300		L135-4080CA35000P1			1335 / 1865 / 2520	
	2700–3300		L135-2780CA35000P1			1180 / 1640 / 2215	

* power and luminous flux are measured at the same Tj of LEDs.
Other types of LEDs with equivalent PADs can be used at per customer requirements.

Secondary optics compatible with LED modules
NEO-Q-24L3030



LL12ZZ-CRC

OFFICE LIGHTING

STREET AND INDUSTRIAL LIGHTING

PUBLIC AND AREA LIGHTING

HORTI / FITO

NEO-L-24XPL

CREE

SAMSUNG

117x97 mm

AL 1.6

Ø3.5 10pcs

1x24

3.45x3.45



Model	CCT, K	LED quantity	LED	Current, mA	Beam angle, °	Typical luminous flux, lm (Tj = 85 °C)	Typical power W *
NEO-L-24XPL	2850–3200	24	XTEAWT-E0-CSMD-00000HFE7	700	115	5298	50,4
	4700–5300		XPGDWT-01-0000-00ME3		125	7608	47,4
			XTEAWT-E0-CSMD-00000BKE3		115	6798	51
			SPHWH2L3D30CD4RTP3		120	7032	51
			SPHWHTL3D50CE4RTQF		128	7440	50,4
			XPLBWT-00-CNFL-A00BV50E3		125	7662	46,8

* power and luminous flux are measured at the same Tj of LEDs.
Other types of LEDs with equivalent PADs can be used at per customer requirements.

Secondary optics compatible with LED modules
NEO-L-24XPL



LL24CR-AU75135L02

NEO-L-28XTL

CREE

SAMSUNG

155.8x95.8 mm

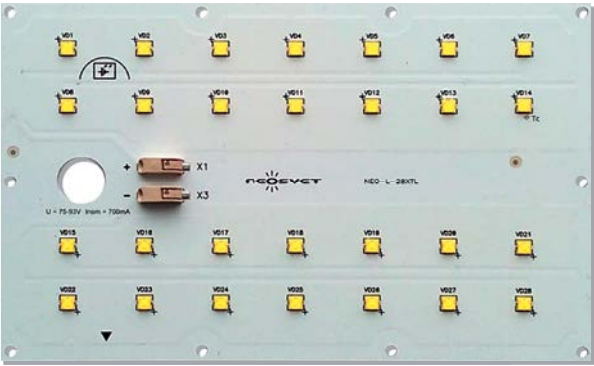
AL
1.6

Ø3.0
10pcs

1x28

2060-401

3.45x3.45



Model	CCT, K	LED quantity	LED	Current, mA	Beam angle, °	Typical luminous flux, lm (Tj = 85 °C)	Typical power W *
NEO-L-28XPL	2850–3200	28	XTEAWT-E0-CSMD-00000HFE7	700	115	6181	58,8
	4700–5300		XPGDWT-01-0000-00ME3		125	8876	55,4
			XTEAWT-E0-CSMD-00000BKE3		115	7932	59,6
			SPHWH2L3D30CD4RTP3		120	8204	59,6
			SPHWHTL3D50CE4RTQF		128	8680	58,8
			XPLBWT-00-CNFL-A00BV50E3		125	8940	54,6

* power and luminous flux are measured at the same Tj of LEDs.
Other types of LEDs with equivalent PADs can be used at per customer requirements.

Secondary optics compatible with LED modules
NEO-L-28XTL



LL28SE-CBZ50150L51

NEO-L-28XTL-79x79

CREE

SAMSUNG

79x79 mm

AL
1.6

Ø3
10pcs

1x28

2060-402

3.45x3.45



Model	CCT, K	LED quantity	LED	Current, mA	Beam angle, °	Typical luminous flux, lm (Tj = 85 °C)	Typical power W *
NEO-L-28XTL	2850–3200	28	XTEAWT-E0-CSMD-00000HFE7	700	115	6181	58,8
	4700–5300		XPGDWT-01-0000-00ME3		125	8876	55,4
			XTEAWT-E0-CSMD-00000BKE3		115	7932	59,6
			SPHWH2L3D30CD4RTP3		120	8204	59,6
			SPHWHTL3D50CE4RTQF		128	8680	58,8
			XPLBWT-00-CNFL-A00BV50E3		125	8940	54,6

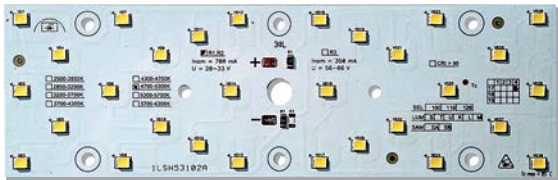
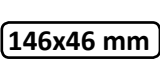
* power and luminous flux are measured at the same Tj of LEDs.
Other types of LEDs with equivalent PADs can be used at per customer requirements.

Secondary optics compatible with LED modules
NEO-L-28XTL-79x79



Stradella -IP-28

NEO-L-30LS2835-146x46



Model	CCT, K	LED quantity	LED	Current, mA	Beam angle, °	Typical luminous flux, lm (Tj = 85 °C)	Typical power W *
NEO-L-30LS2835-146x46	4700–5300	30	SEL-2835-5-6V150	700	120	2450	21,5
	3700–4300		SEL-2835-4-6V150			2340	
	2900–3200		SEL-2835-3-6V150			2230	
	4700–5300		SPMWH1221FQ5GBR0SB			2840	21,5
	3700–4300		SPMWH1221FQ5GBT0SB			2795	
	2900–3200		SPMWH1221FQ5GBV0SB			2665	
	4700–5300		L128-5080CB3500001			2940	20,8
	3700–4300		L128-4080CB3500001			2955	
	2900–3200		L128-3080CB3500001			2620	

* power and luminous flux are measured at the same Tj of LEDs.

Secondary optics compatible with LED modules
NEO-L-30LS2835-146x46



DARKOO® 达尔科

DK36-30H1

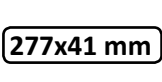
OFFICE LIGHTING

STREET AND INDUSTRIAL LIGHTING

PUBLIC AND AREA LIGHTING

HORTI / FITO

NEO-L-33LS2835-277x41



Model	CCT, K	LED quantity	LED	Current, mA	Beam angle, °	Typical luminous flux, lm (Tj = 50 °C)	Typical power W *
NEO-L-33LS2835-277x41	4700–5300	33	SEL-2835-5-3V150	300 / 350 / 400	120	1550 / 1745 / 1950	10,7 / 12,7 / 14,6
	3700–4300		SEL-2835-4-3V150			1515 / 1705 / 1905	
	2900–3200		SEL-2835-3-3V150			1470 / 1655 / 1850	
	4700–5300		SPMWH3228FD5WAR0SE			1495 / 1715 / 1905	9,7 / 11,4 / 13,1
	3700–4300		SPMWH1228FD5WAT0SE			1520 / 1740 / 1935	
	2900–3200		SPMWH1228FD5WAV0SE			1440 / 1650 / 1835	
	4700–5300		L128-5080CA3500001			1555 / 1785 / 1990	10 / 11,8 / 13,6
	3700–4300		L128-4080CA3500001			1550 / 1780 / 1985	
	2900–3200		L128-3080CA3500001			1450 / 1665 / 1860	

* power and luminous flux are measured at the same Tj of LEDs.

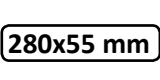
Secondary optics compatible with LED modules
NEO-L-33LS2835-277x41



DARKOO® 达尔科

DK285x61

NEO-L-33LS2835-F



Model	CCT, K	LED quantity	LED	Current, mA	Beam angle, °	Typical luminous flux, lm (Tj = 50 °C)	Typical power W *
NEO-L-33LS2835-F	4700-5300	33	SEL-2835-5-3V150	300 / 350 / 400	120	1550 / 1745 / 1950	10,7 / 12,7 / 14,6
	3700-4300		SEL-2835-4-3V150			1515 / 1705 / 1905	
	2900-3200		SEL-2835-3-3V150			1470 / 1655 / 1850	
	4700-5300		SPMWH3228FD5WAR0SE			1495 / 1715 / 1905	9,7 / 11,4 / 13,1
	3700-4300		SPMWH1228FD5WAT0SE			1520 / 1740 / 1935	
	2900-3200		SPMWH1228FD5WAV0SE			1440 / 1650 / 1835	
	4700-5300		L128-5080CA3500001			1555 / 1785 / 1990	10 / 11,8 / 13,6
	3700-4300		L128-4080CA3500001			1550 / 1780 / 1985	
	2900-3200		L128-3080CA3500001			1450 / 1665 / 1860	

* power and luminous flux are measured at the same Tj of LEDs.

Secondary optics compatible with LED modules
NEO-L-33LS2835-F



FLORENCE (33 in 1)

DK286X61-XX-33H1

OFFICE LIGHTING

STREET AND INDUSTRIAL LIGHTING

PUBLIC AND AREA LIGHTING

HORTI / FITO

NEO-L-33S5630G3-F



280x55 mm

AL
1.0

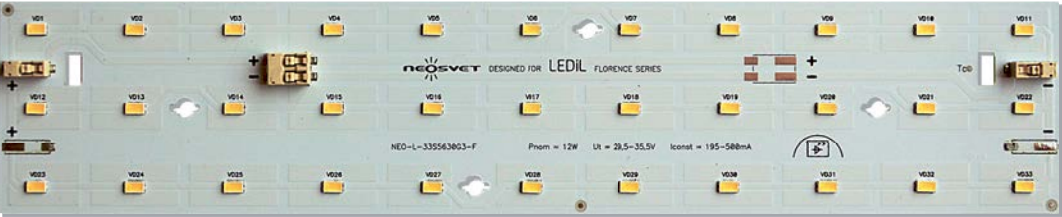
Ø3.3
4pcs

3x11


2060-401


2060-402


SMD 5630



Model	CCT, K	LED quantity	LED	Current, mA	Beam angle, °	Typical luminous flux *, lm (Tj = 50 °C)	Typical power W **
NEO-L-33S5630G3-F	4700–5300	33	SPMWHT541ML5XAR0S6	350 / 400 / 500	120	2095 / 2355 / 2890	11,3 / 13 / 16,6
	3700–4300		SPMWHT541ML5XAT0S6			2040 / 2295 / 2815	
	2700–3300		SPMWHT541ML5XAV0S6			1955 / 2200 / 2700	

* parameters in the table are for flux bin S5
** parameters in the table are at Tj=50 °C, Vf bin AZ

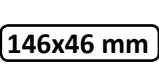
Secondary optics compatible with LED modules
NEO-L-33S5630G3-F



FLORENCE (33 in 1)

DK286X61-XX-33H1

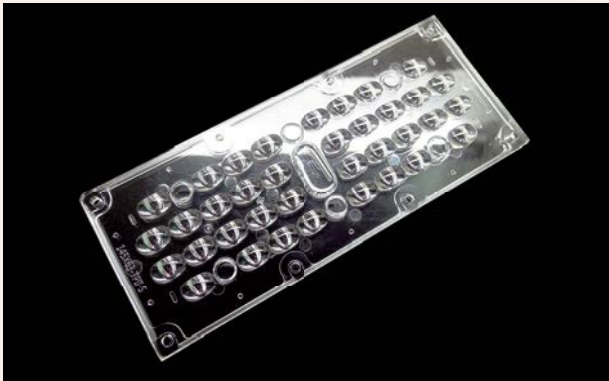
NEO-L-36LS2835-146x46



Model	CCT, K	LED quantity	LED	Current, mA	Beam angle, °	Typical luminous flux, lm (Tj = 85 °C)	Typical power W *
NEO-L-36LS2835-146x46	4700-5300	36	SEL-2835-5-6V150	700	120	2935	25,8
	3700-4300		SEL-2835-4-6V150			2805	
	2900-3200		SEL-2835-3-6V150			2675	
	4700-5300		SPMWH1221FQ5GBR0SB			3410	25,8
	3700-4300		SPMWH1221FQ5GBT0SB			3355	
	2900-3200		SPMWH1221FQ5GBV0SB			3200	
	4700-5300		L128-5080CB3500001			3525	24,9
	3700-4300		L128-4080CB3500001			3545	
	2900-3200		L128-3080CB3500001			3145	

* power and luminous flux are measured at the same Tj of LEDs.

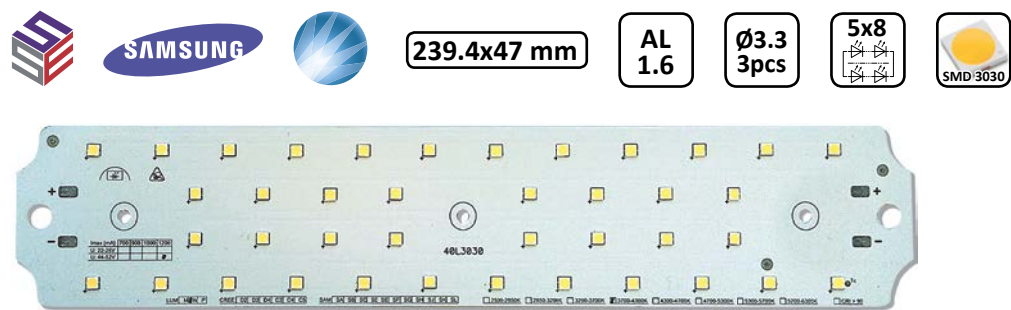
Secondary optics compatible with LED modules
NEO-L-36LS2835-146x46



DARKOO® 达尔科

DK173-363H1

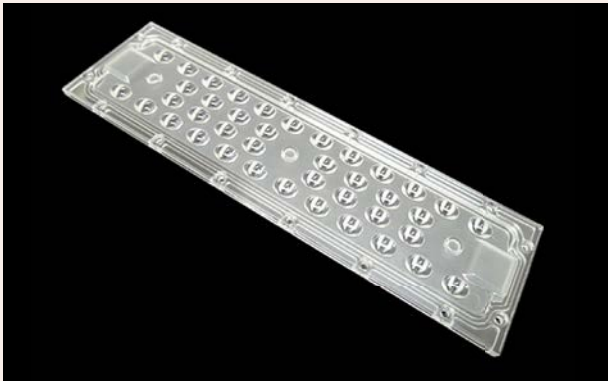
NEO-L-40L3030



Model	CCT, K	LED quantity	LED	Current, mA	Beam angle, °	Typical luminous flux, lm (Tj = 50 °C)	Typical power W *
NEO-L-40L3030	4700–5300	40	SPMWH3226FD5WAR0SA	400 / 700 / 1050	120	2740 / 4560 / 6190	18,2 / 33,1 / 49,8
	3700–4300		SPMWH3226FD5WAT0SA			2700 / 4490 / 6100	
	2900–3200		SPMWH3226FD5WAV0SA			2600 / 4325 / 5870	
	4700–5300		L130-5080003000W21			2845 / 4720 / 6725	18,3 / 33,8 / 53,6
	3700–4300		L130-4080003000W21			2650 / 4430 / 6335	
	2900–3200		L130-3080003000W21			2550 / 4220 / 5990	

* power and luminous flux are measured at the same Tj of LEDs.

Secondary optics compatible with LED modules
NEO-L-40L3030



DARKOO® 达尔科

DK252x70-xx-40H1

NEO-L-48L3030



184.5x50.5 mm

AL
1.6

Ø3.3
12pcs

1x12


2060-401



Model	CCT, K	LED quantity	LED	Current, mA	Beam angle, °	Typical luminous flux, lm (Tj = 50 °C)	Typical power W *
NEO-L-48L3030	4700-5300	40	SPMWH3226FD5WAR0SA	350 / 400 / 700	120	3550 / 4040 / 6640	23,3 / 27,2 / 51,2
	3700-4300		SPMWH3226FD5WAT0SA			3500 / 3980 / 6540	
	2900-3200		SPMWH3226FD5WAV0SA			3365 / 3830 / 6295	
	4700-5300		L130-5080003000W21			3850 / 4365 / 7190	24 / 28 / 52,2
	3700-4300		L130-4080003000W21			3445 / 3910 / 6480	
	2900-3200		L130-3080003000W21			3310 / 3750 / 6150	

* power and luminous flux are measured at the same Tj of LEDs.

Secondary optics compatible with LED modules
NEO-L-48L3030



STRADELLA-16

OFFICE LIGHTING

STREET AND INDUSTRIAL LIGHTING

PUBLIC AND AREA LIGHTING

HORTI / FITO

NEO-L-64LS2835



244x48.5 mm

AL 1.6

Ø3.3 4pcs

8x8



Model	CCT, K	LED quantity	LED	Current, mA	Beam angle, °	Typical luminous flux, lm (Tj = 50 °C)	Typical power W *
NEO-L-64LS2835	4700–5300	64	SEL-2835-5-3V150	700 / 1050	120	2360 / 3315	16,7 / 26,1
	3700–4300		SEL-2835-4-3V150			2305 / 3240	
	2900–3200		SEL-2835-3-3V150			2240 / 3145	
	4700–5300		SPMWH3228FD5WAR0SE			2435 / 3455	16,4 / 25
	3700–4300		SPMWH1228FD5WAT0SE			2470 / 3510	
	2900–3200		SPMWH1228FD5WAV0SE			2345 / 3325	
	4700–5300		L128-5080CA3500001			2510 / 3570	16,5 / 25,6
	3700–4300		L128-4080CA3500001			2495 / 3545	
	2900–3200		L128-3080CA3500001			2350 / 3340	

* power and luminous flux are measured at the same Tj of LEDs.

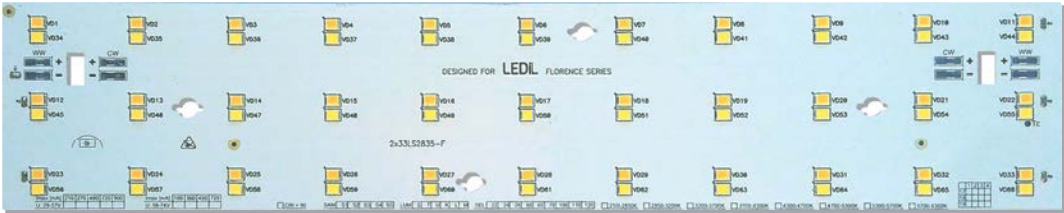
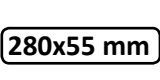
Secondary optics compatible with LED modules
NEO-L-64LS2835



DARKOO® 达尔科

DK263x68-xx-64H1

NEO-L-2x33LS2835-F



Model	CCT, K	LED quantity	LED	Current, mA	Beam angle, °	Typical luminous flux, lm (Tj = 50 °C)	Typical power W *
NEO-L-2x33LS2835-F	4700–5300	66	SEL-2835-5-3V150	350 / 400	120	1550 / 1745 / 1950	10,7 / 12,7 / 14,6
	3700–4300		SEL-2835-4-3V150			1515 / 1705 / 1905	
	2900–3200		SEL-2835-3-3V150			1470 / 1655 / 1850	
	4700–5300		SPMWH3228FD5WAR0SE	350 / 400 / 700		1495 / 1715 / 1905	9,7 / 11,4 / 13,1
	3700–4300		SPMWH1228FD5WAT0SE			1520 / 1740 / 1935	
	2900–3200		SPMWH1228FD5WAV0SE			1440 / 1650 / 1835	
	4700–5300		L128-5080CA3500001	350 / 400 / 700		1555 / 1785 / 1990	10 / 11,8 / 13,6
	3700–4300		L128-4080CA3500001			1550 / 1780 / 1985	
	2900–3200		L128-3080CA3500001			1450 / 1665 / 1860	

* power and luminous flux are measured at the same Tj of LEDs.

Secondary optics compatible with LED modules
NEO-L-2x33LS2835-F



FLORENCE (33 in 1)

DK286X61-XX-33H1

OFFICE LIGHTING

STREET AND INDUSTRIAL LIGHTING

PUBLIC AND AREA LIGHTING

HORTI / FITO

NEO-L-84L3030



SAMSUNG

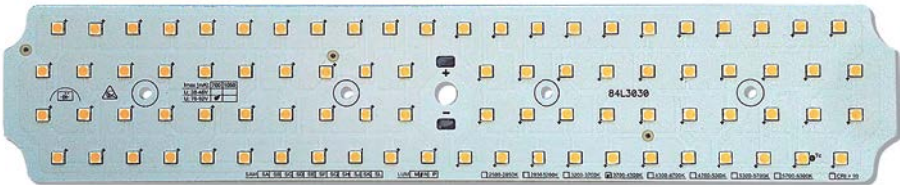


239.4x47 mm

AL 1.6

Ø3.3 4pcs

6x14



Model	CCT, K	LED quantity	LED	Current, mA	Beam angle, °	Typical luminous flux, lm (Tj = 50 °C)	Typical power W *
NEO-L-84L3030	4700–5300	84	SPMWH3226FD5WAR0SA	400 / 700 / 1050	120	4870 / 8170 / 11640	30,7 / 56,7 / 89,6
	3700–4300		SPMWH3226FD5WAT0SA			4795 / 8050 / 11470	
	2900–3200		SPMWH3226FD5WAV0SA			4615 / 7750 / 11035	
	4700–5300		L130-5080003000W21			5070 / 8445 / 12010	31,7 / 58 / 91,2
	3700–4300		L130-4080003000W21			4710 / 7910 / 11285	
	2900–3200		L130-3080003000W21			4555 / 7560 / 10715	

* power and luminous flux are measured at the same Tj of LEDs.

Secondary optics compatible with LED modules
NEO-L-84L3030



DARKOO® 达尔科

DK252x70-xx-84H1

PUBLIC UTILITY AND EMERGENCY LIGHTING

LED modules are PCBs with mounted LEDs and mounting holes with isolated area for a screw or a rivet. LED modules have contact PADS for terminal blocks used for connecting modules to power supply units.

Светодиодные модули представляют из себя платы с напаянными светодиодами. Для крепления модулей предусмотрены отверстия с изолированной зоной вокруг них под головку винта или заклепки. Питание модуля осуществляется от источника постоянного тока. Для подключения питания предусмотрены контактные площадки под разъемы.

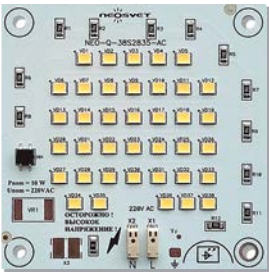
NEO-Q-38S2835-AC



70x70 mm

AL 1.6

Ø3.3 4pcs



Model	CCT, K	LED quantity	LED	Beam angle, °	Luminous flux at the typical current (mA)	Typical power W *
NEO-Q-38S2835-AC	5000	38	SEL-2835-5-6V060	120	800	10
	4000		SEL-2835-4-6V060		770	
	3000		SEL-2835-3-6V060		740	
	5000		L128-5080EB3500001		1040	
	4000		L128-4080EB3500001		1030	
	3000		L128-3080EB3500001		975	

* power and luminous flux are measured at the same Tj of LEDs.

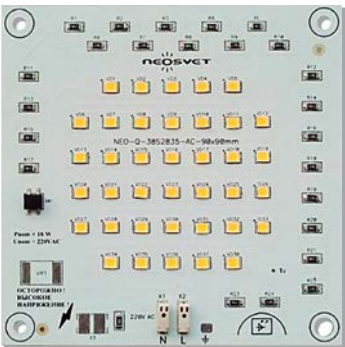
NEO-Q-38S2835-AC-16W



90x90 mm

AL 1.6

Ø3.3 4pcs



Model	CCT, K	LED quantity	LED	Beam angle, °	Luminous flux at the typical current (mA)	Typical power W *
NEO-Q-38S2835-AC	5000	38	SEL-2835-5-6V150	120	1650	16
	4000		SEL-2835-4-6V150		1600	
	3000		SEL-2835-3-6V150		1560	

* power and luminous flux are measured at the same Tj of LEDs.

NEO-L-2x5L3030



87x30 mm

AL
1.6

Ø3.3
3pcs

2x5



Model	CCT, K	LED quantity	LED	Current, mA	Beam angle, °	Typical luminous flux, (Tj = 50 °C)	Typical power W *
NEO-L-2x5L3030	4700 - 5300	10	L130-5080003000W21	350 / 400	120	1220 / 1345	11,2 / 13,2
	3700 - 4300		L130-4080003000W21			1240 / 1364	
	4700 - 5300		L130-3080003000W21			1240 / 1364	

* power and luminous flux are measured at the same Tj of LEDs.

NEO-H-16S5630C

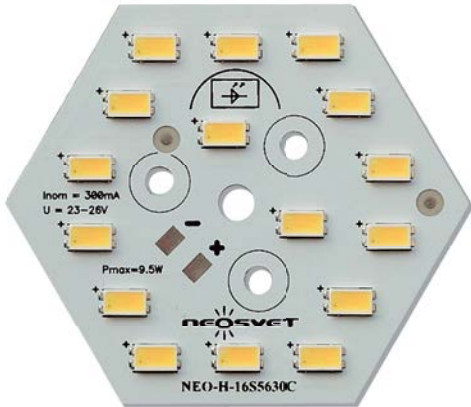


46.5 mm

AL
1.6

Ø3.3
3pcs

2x8



Model	CCT, K	LED quantity	LED	Current, mA	Beam angle, °	Typical luminous flux *, (Tj = 50 °C)	Typical power W **
NEO-H-16S5630C	4700 - 5300	16	SPMWHT541ML5XAR0S6	300 / 350	120	1270 / 1460	7,2 / 8,5
	3700 - 4300		SPMWHT541ML5XAT0S6			1240 / 1420	
	2800 - 3200		SPMWHT541ML5XAV0S6			1190 / 1365	

* parameters in the table are for flux bin S5

** parameters in the table are at Tj=50 °C, Vf bin AZ

NEO-L-2x3S2835



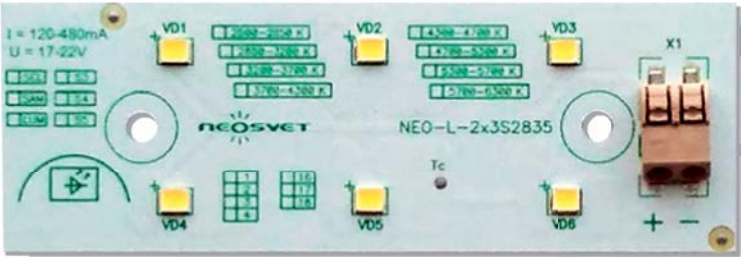
87x30 mm

AL 1.6

Ø3.5 2pcs

2x3





Model	CCT, K	LED quantity	LED	Current, mA	Beam angle, °	Typical luminous flux, lm (Tj = 50 °C)	Typical power W *
NEO-L-2x3S2835	4700 - 5300	6	SEL-2835-5-6V150	300	120	625	5,5
	3700 - 4300		SEL-2835-4-6V150			610	
	2900 - 3200		SEL-2835-3-6V150			590	
	4700 - 5300		SPMWH1221FQ5GBR0SA			680	5,5
	3700 - 4300		SPMWH1221FQ5GBT0SA			670	
	2900 - 3200		SPMWH1221FQ5GBV0SA			635	
	4700 - 5300		L128-5080CB3500001	300 / 350 / 400		785 / 895 / 995	5,6 / 6,7 / 7,7
	3700 - 4300		L128-4080CB3500001			785 / 890 / 990	
	2900 - 3200		L128-3080CB3500001			695 / 790 / 880	

* power and luminous flux are measured at the same Tj of LEDs

NEO-L-2x5S2835



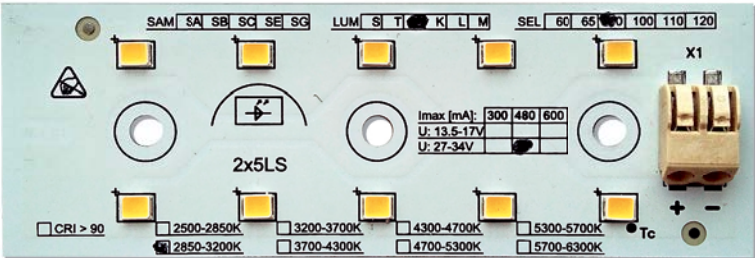
87x30 mm

AL 1.6

Ø3.5 3pcs

2x5





Model	CCT, K	LED quantity	LED	Current, mA	Beam angle, °	Typical luminous flux, lm (Tj = 50 °C)	Typical power W *
NEO-L-2x5S2835	4700 - 5300	10	SEL-2835-5-6V150	300	120	985	9,3
	3700 - 4300		SEL-2835-4-6V150			1015	
	2900 - 3200		SEL-2835-3-6V150			1045	
	4700 - 5300		SPMWH1221FQ5GBR0SA			1135	9,1
	3700 - 4300		SPMWH1221FQ5GBT0SA			1115	
	2900 - 3200		SPMWH1221FQ5GBV0SA			1060	
	4700 - 5300		L128-5080CB3500001	300 / 350 / 400		1310 / 1490 / 1655	9,3 / 11,1 / 12,9
	3700 - 4300		L128-4080CB3500001			1310 / 1485 / 1655	
	2900 - 3200		L128-3080CB3500001			1190 / 1350 / 1505	

* power and luminous flux are measured at the same Tj of LEDs

OFFICE LIGHTING

STREET AND INDUSTRIAL LIGHTING

PUBLIC AND AREA LIGHTING

HORTI / FITO

NEO-L-2x5XP



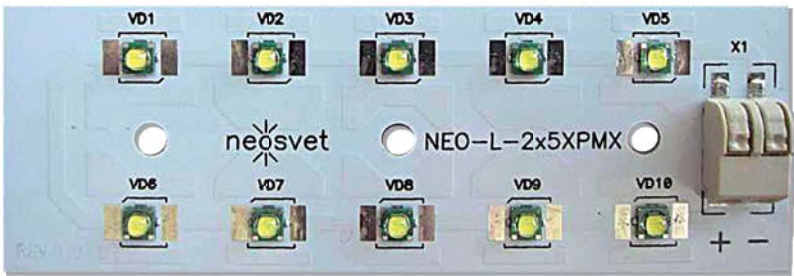
CREE



87x30 mm

AL
1.6

Ø3.5
3pcs



Model	CCT, K	LED quantity	LED	Current, mA	Beam angle, °	Typical luminous flux, lm (Tj = 85 °C)	Typical power W *
NEO-L-2x5XP	2850 - 3200	10	XTEAWT-E0-CSMD-00000HFE7	700	115	2215	21
	XPGDWT-01-0000-00ME3		125		3173	19,9	
	XTEAWT-E0-CSMD-00000BKE3		115		2833	21	
	SPHWH2L3D30CD4RTP3		120		2938	21,3	
	4700 - 5300		SPHWHTL3D50CE4RTQF	700 / 1500	128	3100 / 5620	21 / 48,5
			XPLBWT-00-CNFL-A00BV50E3		125	3195 / 6248	19,3 / 43,5

* Value are shown at the calculated value of the luminous flux temperature
Other types of LEDs with equivalent solder pads can be used as per customer requirements

NEO-L-2x3XP

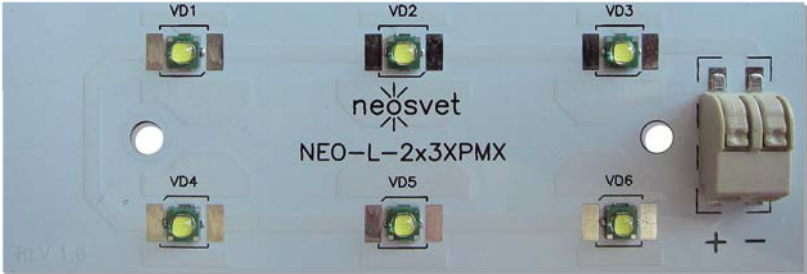


SAMSUNG

87x30 mm

AL
1.6

Ø3.5
2pcs



Model	CCT, K	LED quantity	LED	Current, mA	Beam angle, °	Typical luminous flux, lm (Tj = 85 °C)	Typical power W *
NEO-L-2x3XP	2850 - 3200	6	XTEAWT-E0-CSMD-00000HFE7	700	115	1325	12,6
	XPGDWT-01-0000-00ME3		125		1900	11,9	
	XTEAWT-E0-CSMD-00000BKE3		115		1700	12,6	
	SPHWH2L3D30CD4RTP3		120		1760	12,7	
	4700 - 5300		SPHWHTL3D50CE4RTQF	700 / 1500	128	1860 / 3370	12,6 / 29,1
			XPLBWT-00-CNFL-A00BV50E3	125	1915 / 3745	11,6 / 26,1	

* Value are shown at the calculated value of the luminous flux temperature
Other types of LEDs with equivalent solder pads can be used as per customer requirements

NEO-H-18S2835-AC



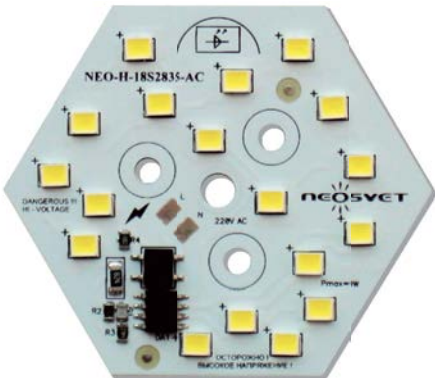
46.5 mm

AL
1.6

Ø3.3
3pcs

220V

SMD 2835



Model	CCT, K	LED quantity	LED	Beam angle, °	Typical luminous flux, lm (Tj = 50 °C)	Typical power W *
NEO-H-18S2835-AC	4700 - 5300	18	SEL-2835-5-18V030	120	770	9
	3700 - 4300		SEL-2835-4-18V030		755	
	2900 - 3200		SEL-2835-3-18V030		750	
	4700 - 5300		SPMWH12245Q5W8R0SA			
	3700 - 4300		SPMWH12245Q5W8T0SA			
	2900 - 3200		SPMWH12245Q5W8V0SA			

* power and luminous flux are measured at the same Tj of LEDs

NEO-H-18LS2835-AC



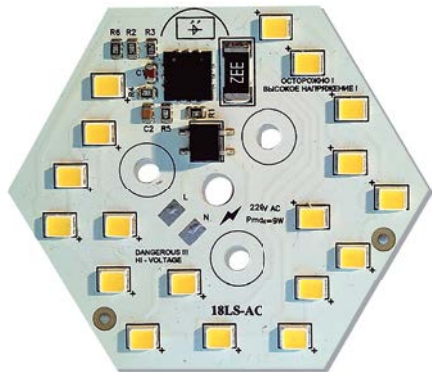
46.5 mm

AL
1.6

Ø3.3
3pcs

220V

SMD 2835



Model	CCT, K	LED quantity	LED	Beam angle, °	Typical luminous flux, lm (Tj = 50 °C)	Typical power W *
NEO-H-18SL2835-AC	4700 - 5300	18	SEL-2835-5-18V030	120	780	12
	3700 - 4300		SEL-2835-4-18V030		840	
	2900 - 3200		SEL-2835-3-18V030		855	
	4700 - 5300		SPMWH12245Q5W8R0SA			
	3700 - 4300		SPMWH12245Q5W8T0SA			
	2900 - 3200		SPMWH12245Q5W8V0SA			

* power and luminous flux are measured at the same Tj of LEDs

NEO-L-12XL-AC

CREE

145x43 mm

AL
1.6

Ø3.3
12pcs

220V

3.45x3.45



Model	CCT, K	LED quantity	LED	Beam angle, °	Typical luminous flux, lm (Tj = 85 °C)	Typical power W *
NEO-L-12XL-S2x6-AC	5500	12	PKDV-2LWE-3BR7	120	1500	16
	4500		PKDV-2LNE-3BR7		1470	

* Calculated value
Other types of LEDs with equivalent solder pads can be used as per customer requirements.

NEO-L-12XL-S2x6-DC

CREE

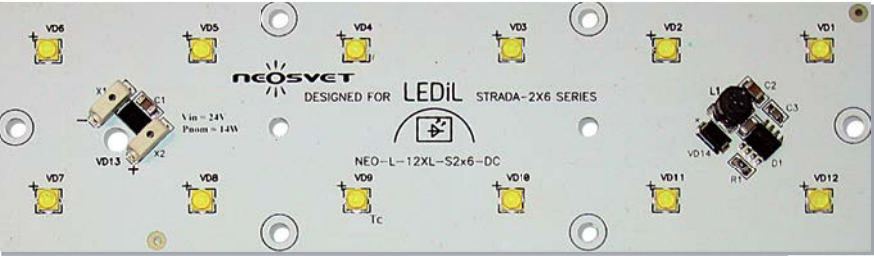
145x43 mm

AL
1.6

Ø3.3
12pcs

NS2059

3.45x3.45



Model	CCT, K	LED quantity	LED	Voltage, V	Beam angle, °	Typical luminous flux, lm (Tj = 85 °C)	Typical power W *
NEO-L-12XL-S2x6-DC	5000	12	XTEAWT-00-0000-00000BJE3	12 / 24	120	1775 / 2405	14,5 / 22
			XTEAWT-00-0000-00000BHE3			1665 / 2260	
	4000		XPLAWT-00-0000-000BV30E5			1835 / 2575	
	3000		XPLAWT-00-0000-000LU50E7			1575 / 2210	

* Calculated value
Other types of LEDs with equivalent solder pads can be used as per customer requirements.

NEO-L-18S5630G3-CV



320x12 mm

AL
1.0

Ø3.3
5pcs

6x3

SMD 5630



Model	CCT, K	LED quantity	LED	Voltage, V	Beam angle, °	Typical luminous flux, @ 150 mA, lm (Tj = 50 °C)	Typical power W **
NEO-L-18S5630G3-CV	4700 - 5300	18	SPMWHT541ML5XAR0S6	12	120	1430	9,8
	3700 - 4300		SPMWHT541ML5XAT0S6			1395	
	2800 - 3200		SPMWHT541ML5XAV0S6			1335	

* parameters in the table are for flux bin S5
** parameters in the table are at Tj=50 °C, Vf bin AZ

NEO-L-18LS2835-CV



320x12 mm

AL
1.0

Ø3.3
5pcs

6x3

SMD 2835



Model	CCT, K	LED quantity	LED	Voltage, V	Beam angle, °	Typical luminous flux, @ 150 mA, lm (Tj = 50 °C)	Typical power W *
NEO-L-18LS2835-CV	4700 - 5300	18	SEL-2835-5-3V150	12	120	1035	9,8
	3700 - 4300		SEL-2835-4-3V150			1010	
	2900 - 3200		SEL-2835-3-3V150			935	
	4700 - 5300	18	SPMWH1228FD5WAR0S3			1115	9,6
	3700 - 4300		SPMWH1228FD5WAT0S3			1080	
	2900 - 3200		SPMWH1228FD5WAV0S3			1030	
	4700 - 5300	18	L128-5080CA3500001			1205	9,7
	3700 - 4300		L128-4080CA3500001			1200	
	2900 - 3200		L128-3080CA3500001			1125	

* power and luminous flux are measured at the same Tj of LEDs

NEO-L-8XPXTL

CREE

SAMSUNG

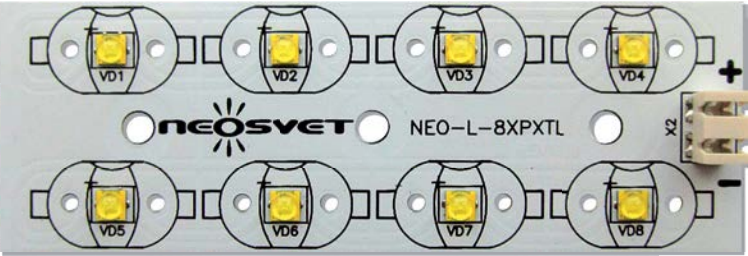
87x43 mm

AL
1.6

Ø3.5
3pcs

1x8


3.45x3.45



Model	CCT, K	LED quantity	LED	Current, mA	Beam angle, °	Typical luminous flux, @ 700 mA, lm (Tj = 85 °C)	Typical power W *
NEO-L-8XPXTL	2850 - 3200	8	XTEAWT-E0-CSMD-00000HFE7	700	115	1765	16,8
	4700 - 5300		XPGDWT-01-0000-00ME3		125	2535	15,8
			XTEAWT-E0-CSMD-00000BKE3		115	2266	16,8
			SPHWH2L3D30CD4RTP3		120	2345	16,9
			SPHWHTL3D50CE4RTQF		128	2480	16,8
			XPLBWT-00-CNFL-A00BV50E3		125	2553	15,5

* Calculated value
Other types of LEDs with equivalent solder pads can be used as per customer requirements.

NEO-C-7XP

CREE

SAMSUNG

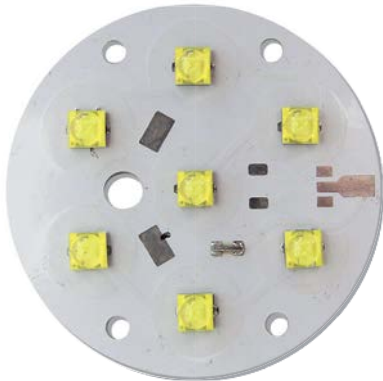
Ø35.8 mm

AL
1.6

Ø3.5
4pcs

1x7


3.45x3.45



Model	CCT, K	LED quantity	LED	Current, mA	Beam angle, °	Typical luminous flux, lm (Tj = 85 °C)	Typical power W *
NEO-C-7XP	2850 - 3200	7	XTEAWT-E0-CSMD-00000HFE7	700	115	1545	14,7
	4700 - 5300		XPGDWT-01-0000-00ME3		125	2219	13,85
			XTEAWT-E0-CSMD-00000BKE3		115	1983	14,7
			SPHWH2L3D30CD4RTP3		120	2052	14,79
			SPHWHTL3D50CE4RTQF		128	2170	14,7
			XPLBWT-00-CNFL-A00BV50E3		125	2234	13,6

* power and luminous flux are measured at the same Tj of LEDs.
Other types of LEDs with equivalent solder pads can be used as per customer requirements.

NEO-H-7XP

CREE

SAMSUNG

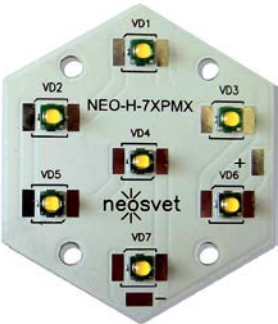
46 mm

AL
1.6

Ø3.5
4pcs

1x7

3.45x3.45



Model	CCT, K	LED quantity	LED	Current, mA	Beam angle, °	Typical luminous flux, lm (Tj = 85 °C)	Typical power W *
NEO-H-7XP	2850 - 3200	7	XTEAWT-E0-CSMD-00000HFE7	700	115	1545	14,7
	4700 - 5300		XPGDWT-01-0000-00ME3		125	2219	13,85
			XTEAWT-E0-CSMD-00000BKE3		115	1983	14,7
			SPHWH2L3D30CD4RTP3		120	2052	14,79
			SPHWHTL3D50CE4RTQF		128	2170	14,7
			XPLBWT-00-CNFL-A00BV50E3		125	2234	13,6

* Calculated value
Other types of LEDs with equivalent solder pads can be used as per customer requirements.

NEO-H-24S2835-36AC

SAMSUNG

46.5 mm

AL
1.6

Ø3.3
3pcs

220V

SMD 2835



Model	CCT, K	LED quantity	LED	Voltage, V	Beam angle, °	Typical luminous flux, lm (Tj = 50 °C)	Typical power W *
NEO-H-24S2835-36AC	4700-5300	24	SEL-2835-5-5V150	36	120	662	8
	3700-4300		SEL-2835-4-3V150			599	
	2900-3200		SEL-2835-3-3V150			578	
	4700-5300		SPMWH3228FD5WAROSE			745	
	3700-4300		SPMWH1228FD5WAT0SE			735	
	2900-3200		SPMWH1228FD5WAV0SE			695	
	4700-5300		L128-5080CA3500001			760	
	3700-4300		L128-4080CA3500001			755	
	2900-3200		L128-3080CA3500001			705	

* power and luminous flux are measured at the same Tj of LEDs

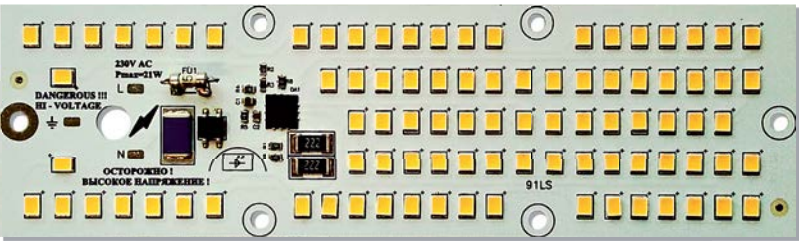
NEO-L-91LS2835-AC



145x43 mm

AL
1.6

Ø3.3
6pcs



Model	CCT, K	LED quantity	LED	Угол, °	Typical luminous flux, lm (Tj = 85 °C)	Typical power W *
NEO-L-91S2835-AC	4700-5300	91	SEL-2835-5-3V150	120	2025	16
	3700-4300		SEL-2835-4-3V150		1975	
	2800-3200		SEL-2835-3-3V150		1920	
	4700-5300		L128-5080CA3500001		2115	
	3700-4300		L128-4080CA3500001		2110	
	2800-3200		L128-3080CA3500001		1975	

* power and luminous flux are measured at the same Tj of LEDs

NEO-x-1



AL
1.6

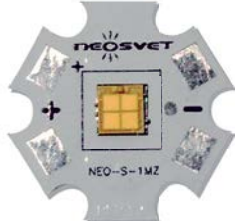
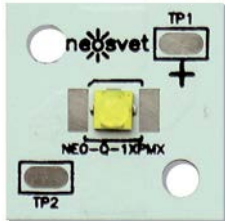
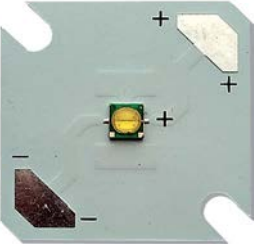


25x25 mm

20x20 mm

20x20 mm

20x20 mm



Model	CCT, K	LED quantity	LED	Current, mA	Beam angle, °	Typical luminous flux, lm (Tj = 85 °C)	Typical power W *
NEO-x-1	4700-5300	1	XPGDWT-B1-0000-00ME3	700	125	317	2
			XTEAWT-00-0000-00000BKE3		115	283	
	2850-3200		XTEAWT-E0-CSMD-00000HFE7		115	221	
	5000		LXR7-SW50		120	1040	
	3000		LMZ9-SW30	1050	125	600	8,2
	4700-5300		XPLBWT-00-CNFL-A00BV50E3			460	
	3000		XHP70B-00-0000-0D0HN230H			1590	
							8,3

HORTI / FITO

В условиях дефицита солнечного света в утренние и вечерние часы, а также в зимнее время дополнительное или заменяющее искусственное освещение с правильно подобранным световым спектром позволяет значительно увеличить скорость всхода растений, развить их корневую систему, приблизить начало цветения и ускорить созревание плодов. Важным параметром эффективности освещения для растений является интенсивность света в области спектра, влияющей на фотосинтез. Установленные светодиоды излучают свет определенной длины волны, отвечающий пикам потребления света хлорофиллом — Wp=450 нм (синий) и Wp=660 нм (красный) и обеспечивают высокий уровень излучения потока фотонов фотосинтеза — PPF. Благодаря свету синего цвета увеличивается площадь листа, растение набирает массу, растет корневище. Благодаря красному свету растение быстрее зацветает и лучше плодоносит.

In the conditions of sunlight shortage in the morning and evening hours, as well as in winter time, artificial lighting with a proper light spectrum allows to significantly increase the rate of shoots of plants, develop their root system, bring the beginning of flowering and accelerate fruitage. LEDs of a certain wavelength and spectrum are compatible with the photosynthesis and light-signalling requirements of plants. Wp = 450 nm (blue) and Wp = 660 nm (red) provide a high level of radiation of the photosynthetic flux of photosynthesis — PPF. Certain levels of blue light increase the leaf area and enhance the root and plant biomass. The red light effects the plant blossom and better fruitage.

NEO-L-8XPL-490-FitoMix

490x15 mm

AL 1.6

Ø3.3 9pcs

1x8

3.45x3.45



Model	LED quantity	Current, mA	Typical PPF [μmol/s]	Typical PP Efficacy [μmol/J]	Typical radiant flux power [mW]	R/B ratio	Typical power W *
NEO-L-8XPL-490-FitoMix	8	350	15,1	2,09	3325	1,3	7,2

* power and typical PPF are measured at the same Tj of LEDs.

NEO-L-12XL-1S2x6-FitoMix

145x15 mm

AL 1.6

Ø3.3 4pcs

1x12

NS2059

3.45x3.45



Model	LED quantity	Current, mA	Typical PPF [μmol/s]	Typical PP Efficacy [μmol/J]	Typical radiant flux power [mW]	R/B ratio	Typical power W *
NEO-L-12XL-1S2x6-FitoMix1	12	350	22,8	2,15	4894	1,85	10,5

* power and typical PPF are measured at the same Tj of LEDs.

NEO-L-12XL-V12-FitoMix

310x16 mm

AL
1.6

Ø3.3
4pcs

1x12







Model	LED quantity	Current, mA	Typical PPF [µmol/s]	Typical PP Efficacy [µmol/J]	Typical radiant flux power [mW]	R/B ratio	Typical power W *
NEO-L-12XL-V12-FitoMix1	12	350	22,8	2,15	4894	1,85	10,5

* power and typical PPF are measured at the same Tj of LEDs.

NEO-L-18LS2835-Horti

280x13 mm

AL
1.0

Ø3.2
7pcs

2x9







Model	LED	LED quantity	Current, mA	Typical PPF [µmol/s]	Typical PP Efficacy [µmol/J]	Typical radiant flux power [mW]	R/B ratio	Typical power W *
NEO-L-18L3535-Horti	SEL-2835-PRP-3V300	18	300	14,1	1,8	3166	4,64	7,8

* power and typical PPF are measured at the same Tj of LEDs.

NEO-L-18L3535-Fito

490x13 mm

AL
1.0

Ø3.2
7pcs

2x9





Model	LED	LED quantity	Current, mA	Typical PPF [µmol/s]	Typical PP Efficacy [µmol/J]	Typical radiant flux power [mW]	R/B ratio	Typical power W *
NEO-L-18L3535-Fito	L1SP-PRP1003500000	18	300	14,1	1,8	3166	4,64	7,8

* power and typical PPF are measured at the same Tj of LEDs.

NEO-L-18LS2835-280-FitoMix4

280x13 mm

AL 1.0

Ø3.2 4pcs

2x9

NS2059

SMD 2835



Model	LED quantity	Current, mA	Typical PPF [μmol/s]	Typical PP Efficacy [μmol/J]	Typical radiant flux power [mW]	R/B ratio	Typical power W *
NEO-L-18L3535-280-FitoMix4	18	300	8,3	1,02	1923	4,44	8,2

* power and typical PPF are measured at the same Tj of LEDs.

NEO-L-48LS2835-448-Horti

448x12.5 mm

AL 1.0

Ø3.2 8pcs

4x12

NS2059

SMD 2835



Model	LED	LED quantity	Current, mA	Typical PPF [μmol/s]	Typical PP Efficacy [μmol/J]	Typical radiant flux power [mW]	R/B ratio	Typical power W *
NEO-L-48LS2835-448-Horti	SEL-2835-PRP-3V300	48	400	22,74	1,64	5642	5,5	13,9

* power and typical PPF are measured at the same Tj of LEDs.

NEO-L-49LS2835-Horti

515x10.5 mm

AL 1.0

Ø3.2 5pcs

7x7

2060-402

SMD 2835



Model	LED	LED quantity	Current, mA	Typical PPF [μmol/s]	Typical PP Efficacy [μmol/J]	Typical radiant flux power [mW]	R/B ratio	Typical power W *
NEO-L-49LS2835-Horti	SEL-2835-PRP-3V300	49	700	23,1	1,64	5760	5,5	14,2

* power and typical PPF are measured at the same Tj of LEDs.

OFFICE LIGHTING

STREET AND INDUSTRIAL LIGHTING

PUBLIC AND AREA LIGHTING

HORTI / FITO

NEO-L-91LS2835-AC-FitoMix

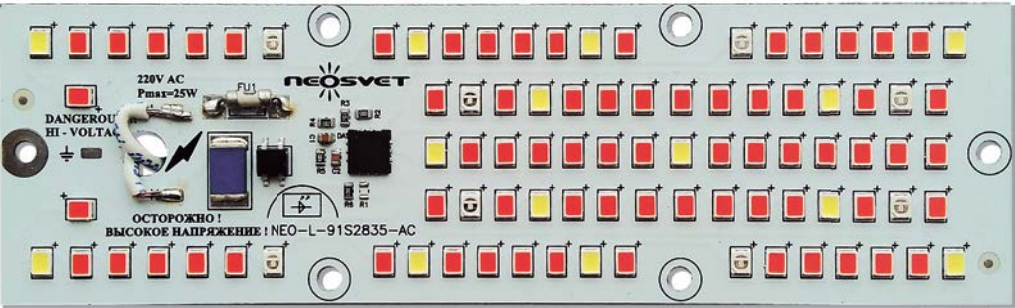
145x43 mm

AL
1.6

Ø3.3
6pcs

220V

SMD 2835



Model	LED quantity	Voltage, V	Typical PPF [μmol/s]	Typical PP Efficacy [μmol/J]	Typical radiant flux power [mW]	R/B ratio	Typical power W *
NEO-L-91LS2835-AC-FitoMix	91	220	16,2	1,07	3972	2,31	15,2

* power and typical PPF are measured at the same Tj of LEDs.

DESIGN
ENGINEERING
MANUFACTURING





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