Your unique lighting projects, our tailored solutions

CUSTOMIZABLE LINEAR LED LIGHTING PRODUCTS FOR PROFESSIONAL LIGHTING APPLICATIONS, ALL MANUFACTURED TO THE VERY HIGHEST STANDARDS

At Holectron, we aim to be flexible on everything - except quality. We work tirelessly to adapt our production processes in line with the latest trends in LED technology. This means we are always adding to and improving our product range. This approach keeps us constantly innovating and changing, but what never changes is our unwavering commitment to quality. Always eager to improve. Always meeting the highest EU quality marks. These are the standards we promise to our clients and hold ourselves to every day.

To meet Made in EU standards, all of our development and production is managed in-house at our headquarters in Vilnius, Lithuania. This enables us to ensure only the highest quality LED products are delivered to our global customers. We use the most advanced SMT mounters and automatic assembly machines to produce LED strips and every LED is mounted with pinpoint accuracy. Each strip undergoes high usage testing before leaving the factory. That is why we are able to offer a 5-year warranty on all our products.

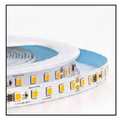
Thanks to our commitment to quality, all you need to think about is which of our strips and luminaires best fits your project. And if you don't find exactly the right product, you can customize your own. Whatever you choose, our experienced team is on hand to help you every step of the way with specific project calculations and recommendations.

Content

INDOOR FLEXIBLE LED STRIPS

STATIC WHITE LIGHT

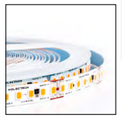
FL-56/N3
page 11


FL-112/N3
page 13

FL-168/N3
page 15

FL-56/D3
page 17

FL-112/D3
page 19


FL-168/D3
page 21

FL-140/O2
page 23

FL-224/O3
page 25

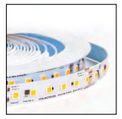
TUNABLE WHITE LIGHT

TW-56/N3
page 29

TW-70/N3
page 31

TW-56/D3
page 33

TW-70/D3
page 35


TW2-56/N3
page 37

TW2-112/N3
page 39

RGB & RGBW LIGHT

RGB-48/O3
page 43

RGB-96/O3
page 45

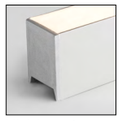
RGBW-48/O3
page 47

INDOOR CONTINOUS LINE MODULAR SYSTEMS

ULA

ULA S clear
page 51

ULA M opal
page 53


ULA L opal
page 55

INDOOR LUMINAIRES

NEMAN

Surface/
pendant
page 61

Pendant di-
rect/inderect
page 63

Recessed
page 65

Trimless
page 67

Customized
page 69

NEMAN-X

Surface
page 75

Surface
modular
page 77

Pendant
page 79

Pendant
modular
page 81

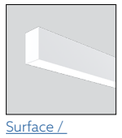
Recessed
page 83

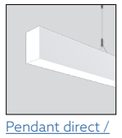
Recessed
modular
page 85

Trimless
page 87

Trimless
modular
page 89

NERIS


Surface /
pendant
page 93


Pendant direct /
indirect
page 95

OUTDOOR FLEXIBLE LED STRIPS

ATLANTIS

Atlantis top
page 101

Atlantis side
page 103

AQUA

Aqua
page 109

OUTDOOR CONTINOUS LINE MODULAR SYSTEMS

ULA IP 67

ULA S clear
page 115

ULA M opal
page 117

ULA L opal
page 119

OUTDOOR LINES IP67

Outline
page 125

sLine
page 127

mLine
page 129

xLine
page 131

OUTDOOR LUMINAIRES

NEMAN IP66

Surface/
pendant
page 137

Recessed
page 139

Indoor lighting |

STATIC WHITE LIGHT LED STRIPS | **PAGE 9**

TUNABLE WHITE LIGHT LED STRIIPS | **PAGE 27**

RGB & RGBW LED STRIPS | **PAGE 41**

ULA | **PAGE 49**

NEMAN | **PAGE 59**

NEMAN X | **PAGE 73**

NERIS | **PAGE 92**

Product benefits

INDOOR/OUTDOOR LINEAR LED LIGHTING

up to
191 lm/W
Luminous
efficacy

CRI 80+
CRI 90+
CRI 95+

up to
7223 lm/m
Luminous
flux

3 STEP
MacAdam LEDs

Thermally conductive
adhesive tape

Stabilized
current

Customization
for your project

Over 800
LED strips
modifications

L90B10

60 000
hours

NICHIA LED
OSRAM LED

Highest quality
LED chips

Production line focused
only for LED strips

CE
compliant

UL
approved

Made in
Europe

5

5-year
warranty

White light | LED STRIPS

Backbone of lighting

Our white light LED strips are the centerpiece on which all our quality lighting solutions are based. These strips are essential light sources for all of our products.

Our strips are manufactured using the highest quality electronic components. Advanced automated assembly machines ensure pinpoint accuracy across the assembly process. Every strip goes through multiple stage testing to ensure that it meets our exacting quality standards.

The result is a high-quality light that offers our customers extra-long lifetime, durability and flexibility.

Order code explained

FL-56	-	19	/	N3	850
TW-56	-	19	/	N3	820/865
RGB-48	-	14	/	O3	
RGBW-48		14	/	O3	850

FAMILY NAME – Main information describing basis of the product

POWER – LED strip wattage per meter

TYPE – LED manufacturer & LED strip generation code

SPECTRUM – Code for required Color rendering index and Color temperature

FL-56/N3 - white light

INDOOR FLEXIBLE LED STRIPS

Whether it is for decorative cove lighting or furniture illumination, these flexible LED strips are an excellent choice. Containing 56 NICHIA LEDs per meter, they are designed for long-term professional lighting applications.

These strips offer an extra-long lifetime combined with stable performance. This is achieved through the combination of a copper PCB and a current stabilization system. Furthermore, special double-sided thermally conductive tape on the back guarantees perfect heat transfer to the mounting surface.

Overall, these all-purpose LED strips provide robust, reliable lighting for a range of uses, from cove and indirect to accent and decorative.

TECHNICAL DATA

LEDs per meter	56 LEDs/m	17 LEDs/ft
Voltage	24 VDC (22.5 - 25 VDC)	
Tape width	8 mm	0.32"
Cutting step	125 mm	4.92"
Tc temperature	<75° C	<167° F
Operating temperature	-25°C...+50°C	-13°F...122°F
Beam angle	120°	
Dimmable	YES	
Strip length per reel	10 m or 50 m	32' or 164'

MAXIMUM RUN

4W	10 m	33'
9W	5 m	16'
14W	4 m	13'
19W	3 m	10'
24W	3 m	10'

L90B10 — >60 000 HOURS

NICHIA — HIGHEST QUALITY LED

STABILIZED CURRENT

3-STEP MACADAM

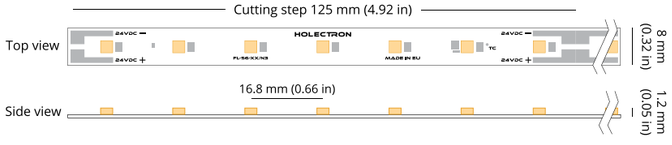
UL APPROVED

CE COMPLIANT

MADE IN EUROPE

5 YEAR WARRANTY

TECHNICAL DRAWING



ORDER CODE

Order code example: FL-56-14/N3-830

Product:		Power:		Type:		Spectrum:
FL-56	-		/	N3	-	

LUMEN VALUES

CRI 80+

		POWER															
		4,8 W/m	1.5 W/ft	9,6 W/m	2.9 W/ft	14,4 W/m	4.4 W/ft	19,2 W/m	5.9 W/ft	24 W/m	7.3 W/ft	28,8 W/m	8.8 W/ft	33,4 W/m	10.2 W/ft	48 W/m	14.6 W/ft
SPECTRUM	KELVINS	4		9		14		19		24		28		33		48	
		lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft
820	2000K	517	158	1031	314	1492	455	1954	596	2378	725	-		-		-	
822	2200K	560	171	1115	340	1614	492	2114	644	2573	784	-		-		-	
825	2500K	613	187	1221	372	1767	539	2314	705	2817	859	-		-		-	
827	2700K	716	218	1428	435	2067	630	2706	825	3295	1004	-		-		-	
830	3000K	738	225	1470	448	2128	649	2787	849	3392	1034	-		-		-	
835	3500K	755	230	1504	458	2177	664	2851	869	3470	1058	-		-		-	
840	4000K	757	231	1508	460	2183	665	2859	871	3480	1061	-		-		-	
850	5000K	808	246	1569	478	2268	691	2988	911	3643	1110	-		-		-	
857	5700K	780	238	1514	461	2188	667	2883	879	3515	1071	-		-		-	
865	6500K	780	238	1514	461	2188	667	2883	879	3515	1071	-		-		-	
	EFFICACY	168 lm/W		163 lm/W		158 lm/W		156 lm/W		152 lm/W							

CRI 90+

		POWER															
		4,8 W/m	1.5 W/ft	9,6 W/m	2.9 W/ft	14,4 W/m	4.4 W/ft	19,2 W/m	5.9 W/ft	24 W/m	7.3 W/ft	28,8 W/m	8.8 W/ft	33,4 W/m	10.2 W/ft	48 W/m	14.6 W/ft
SPECTRUM	KELVINS	4		9		14		19		24		28		33		48	
		lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft
920	2000K	433	132	834	254	1197	365	1565	477	1898	579	-		-		-	
922	2200K	468	143	903	275	1295	395	1693	516	2053	626	-		-		-	
925	2500K	508	155	979	298	1405	428	1837	560	2227	679	-		-		-	
927	2700K	584	178	1139	346	1637	498	2141	651	2602	791	-		-		-	
930	3000K	597	181	1165	354	1674	509	2189	665	2660	809	-		-		-	
935	3500K	613	186	1194	363	1717	522	2245	682	2728	829	-		-		-	
940	4000K	624	190	1216	370	1747	531	2284	694	2777	844	-		-		-	
950	5000K	664	202	1292	393	1856	564	2426	737	2945	895	-		-		-	
957	5700K	660	201	1284	390	1844	560	2410	733	2925	889	-		-		-	
965	6500K	656	199	1275	388	1832	557	2394	728	2906	883	-		-		-	
	EFFICACY	138 lm/W		135 lm/W		129 lm/W		126 lm/W		123 lm/W							

CRI 95+

		POWER															
		4,8 W/m	1.5 W/ft	9,6 W/m	2.9 W/ft	14,4 W/m	4.4 W/ft	19,2 W/m	5.9 W/ft	24 W/m	7.3 W/ft	28,8 W/m	8.8 W/ft	33,4 W/m	10.2 W/ft	48 W/m	14.6 W/ft
SPECTRUM	KELVINS	4		9		14		19		24		28		33		48	
		lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft
027	2700K	503	153	970	295	1391	423	1820	553	2209	671	-		-		-	
030	3000K	514	156	992	302	1422	432	1860	565	2258	686	-		-		-	
035	3500K	525	160	1013	308	1452	441	1899	577	2306	701	-		-		-	
040	4000K	531	161	1026	312	1471	447	1923	584	2335	710	-		-		-	
050	5000K	569	173	1101	335	1582	481	2072	630	2523	767	-		-		-	
	EFFICACY	119 lm/W		115 lm/W		110 lm/W		108 lm/W		105 lm/W							

ACCESSORIES

CONNECTORS

CON-ON-FL0-2	2pin, transparent, indoor
CON-ON-FL1-2	2pin, non-transparent, indoor
CON-ON-FL2-2	2pin + wire, indoor
CON-ON-FL3-2	2pin wire extended, indoor

WIRING

CB-00-05-2	2-pin indoor cable 0,5mm² / 20 AWG

Disclaimer:
Technical data is subject to change without prior notice.

FL-112/N3 - white light

INDOOR FLEXIBLE LED STRIPS

Offering a combination of power and efficiency, these LED strips are well-suited to direct, task and decorative lighting. Their flexibility means they are also excellent for use in curved applications and furniture illumination. Containing 112 NICHIA LEDs per meter, they are a powerful long-term solution for a range of professional lighting applications.

A combination of quality components, smart design, and pinpoint production ensure the stable performance and extra-long life of these strips. A flexible copper printed circuit board (PCB) with integrated current stabilization system provides the base for the LEDs, and heat-conducting adhesive tape ensures perfect heat transfer to the mounting surface.

Built for power and designed for efficiency, these strips will offer quality and performance across a range of applications.

TECHNICAL DATA

LEDs per meter	112 LEDs/m	34 LEDs/ft
Voltage	24 VDC (22.5 - 25 VDC)	
Tape width	8 mm	0.32"
Cutting step	62,5 mm	2.46"
Tc temperature	<75° C	<167° F
Operating temperature	-25°C...+50°C	-13°F...122°F
Beam angle	120°	
Dimmable	YES	
Strip length per reel	10 m or 50 m	32' or 164'

MAXIMUM RUN

4W	14 m	46'
9W	7 m	23'
14W	4.5 m	15'
19W	3.5 m	11'
24W	3 m	10'
33W	2 m	7'
48W	1,5 m	5'

L90B10 — >60 000 HOURS

NICHIA — HIGHEST QUALITY LED

STABILIZED CURRENT

3-STEP MACADAM

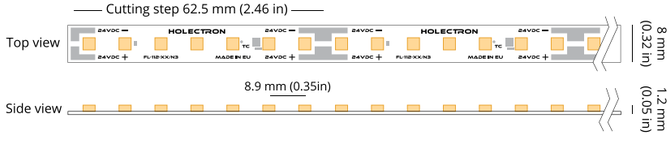
UL APPROVED

CE COMPLIANT

MADE IN EUROPE

5 YEAR WARRANTY

TECHNICAL DRAWING



ORDER CODE

Order code example: FL-112-14/N3-830

Product:		Power:		Type:		Spectrum:
FL-112	-		/	N3	-	

LUMEN VALUES

CRI 80+

		POWER															
		4,8 W/m	1.5 W/ft	9,6 W/m	2.9 W/ft	14,4 W/m	4.4 W/ft	19,2 W/m	5.9 W/ft	24 W/m	7.3 W/ft	28,8 W/m	8.8 W/ft	33,4 W/m	10.2 W/ft	48 W/m	14.6 W/ft
SPECTRUM	KELVINS	4		9		14		19		24		28		33		48	
		lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft
820	2000K	506	154	1022	312	1516	462	2035	620	2509	765	-		3418	1042	4722	1439
822	2200K	548	167	1106	337	1641	500	2202	671	2715	828	-		3699	1127	5109	1557
825	2500K	600	183	1211	369	1796	547	2410	735	2972	906	-		4049	1234	5593	1705
827	2700K	702	214	1416	432	2101	640	2819	859	3476	1059	-		4735	1443	6541	1994
830	3000K	722	220	1458	444	2163	659	2902	885	3579	1091	-		4876	1486	6735	2053
835	3500K	739	225	1492	455	2213	675	2969	905	3662	1116	-		4988	1520	6890	2100
840	4000K	741	226	1496	456	2219	676	2978	908	3672	1119	-		5002	1525	6909	2106
850	5000K	816	249	1598	487	2329	710	3095	943	3804	1159	-		5204	1586	7223	2202
857	5700K	787	240	1542	470	2247	685	2986	910	3670	1119	-		5021	1530	6969	2124
865	6500K	787	240	1542	470	2247	685	2986	910	3670	1119	-		5021	1530	6969	2124
	EFFICACY	170 lm/W		166 lm/W		162 lm/W		161 lm/W		159 lm/W				156 lm/W		150 lm/W	

CRI 90+

		POWER															
		4,8 W/m	1.5 W/ft	9,6 W/m	2.9 W/ft	14,4 W/m	4.4 W/ft	19,2 W/m	5.9 W/ft	24 W/m	7.3 W/ft	28,8 W/m	8.8 W/ft	33,4 W/m	10.2 W/ft	48 W/m	14.6 W/ft
SPECTRUM	KELVINS	4		9		14		19		24		28		33		48	
		lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft
920	2000K	438	134	856	261	1244	379	1648	502	2020	616	-		2741	835	3769	1149
922	2200K	474	144	926	282	1346	410	1783	543	2158	658	-		2965	904	4077	1243
925	2500K	514	157	1005	306	1460	445	1934	589	2370	722	-		3217	981	4423	1348
927	2700K	584	178	1155	351	1691	514	2250	684	2762	840	-		3748	1139	5168	1571
930	3000K	597	181	1181	359	1729	526	2300	699	2823	858	-		3832	1165	5284	1606
935	3500K	613	186	1212	368	1773	539	2359	717	2896	880	-		3930	1195	5419	1647
940	4000K	624	190	1233	375	1805	549	2401	730	2947	896	-		4000	1216	5514	1676
950	5000K	665	202	1312	399	1917	583	2547	774	3122	949	-		4241	1289	5840	1775
957	5700K	661	201	1303	396	1904	579	2530	769	3102	943	-		4213	1281	5801	1763
965	6500K	657	200	1295	394	1892	575	2513	764	3081	936	-		4186	1272	5763	1752
	EFFICACY	139 lm/W		137 lm/W		133 lm/W		133 lm/W		130 lm/W				127 lm/W		122 lm/W	

CRI 95+

		POWER															
		4,8 W/m	1.5 W/ft	9,6 W/m	2.9 W/ft	14,4 W/m	4.4 W/ft	19,2 W/m	5.9 W/ft	24 W/m	7.3 W/ft	28,8 W/m	8.8 W/ft	33,4 W/m	10.2 W/ft	48 W/m	14.6 W/ft
SPECTRUM	KELVINS	4		9		14		19		24		28		33		48	
		lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft
027	2700K	507	154	994	302	1445	439	1915	582	2345	713	-		3183	967	4384	1333
030	3000K	518	157	1015	309	1477	449	1957	595	2396	728	-		3252	988	4480	1362
035	3500K	529	161	1037	315	1509	459	1999	608	2448	744	-		3322	1010	4576	1391
040	4000K	536	163	1050	319	1528	464	2024	615	2478	753	-		3364	1022	4634	1409
050	5000K	573	174	1124	342	1637	498	2173	660	2667	811	-		3626	1102	5014	1524
	EFFICACY	119 lm/W		117 lm/W		114 lm/W		113 lm/W		111 lm/W				109 lm/W		104 lm/W	

ACCESSORIES

CONNECTORS

CON-ON-FL0-2	2pin, transparent, indoor
CON-ON-FL1-2	2pin, non-transparent, indoor
CON-ON-FL2-2	2pin + wire, indoor
CON-ON-FL3-2	2pin wire extended, indoor

WIRING

CB-00-05-2	2-pin indoor cable 0,5mm² / 20 AWG

Disclaimer:
Technical data is subject to change without prior notice.

FL-168/N3 - white light

INDOOR FLEXIBLE LED STRIPS

Offering a combination of power and efficiency, these LED strips are well-suited to direct, task and decorative lighting. Their flexibility means they are also excellent for use in curved applications and furniture illumination. Containing 168 NICHIA LEDs per meter, they are a powerful long-term solution for a range of professional lighting applications.

A combination of quality components, smart design, and pinpoint production ensure the stable performance and extra-long life of these strips. A flexible copper printed circuit board (PCB) with integrated current stabilization system provides the base for the LEDs, and heat-conducting adhesive tape ensures perfect heat transfer to the mounting surface.

Built for power and designed for efficiency, these strips will offer quality and performance across a range of applications.

TECHNICAL DATA

LEDs per meter	168 LEDs/m	52 LEDs/ft
Voltage	24 VDC (22.5 - 25 VDC)	
Tape width	8 mm	0.32"
Cutting step	41,65 mm	1.64"
Tc temperature	<75° C	<167° F
Operating temperature	-25°C...+50°C	-13°F...122°F
Beam angle	120°	
Dimmable	YES	
Strip length per reel	10 m or 50 m	32' or 164'

MAXIMUM RUN

7W	14 m	45'
9W	7 m	22'
14W	4.5 m	14'
19W	3.5 m	11'
24W	3 m	10'
33W	2 m	7'
48W	1,5 m	4'

L90B10 — >60 000 HOURS

NICHIA — HIGHEST QUALITY LED

STABILIZED CURRENT

3-STEP MACADAM

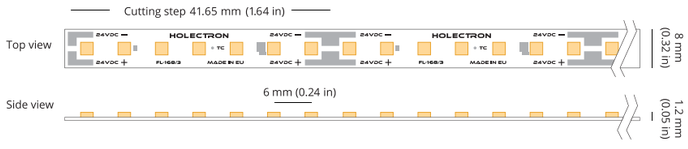
UL APPROVED

CE COMPLIANT

MADE IN EUROPE

5 YEAR WARRANTY

TECHNICAL DRAWING



ORDER CODE

Order code example: FL-168-14/N3-830

Product:		Power:		Type:		Spectrum:
FL-168	-		/	N3	-	

LUMEN VALUES

CRI 80+

		POWER															
		7,2 W/m	2.2 W/ft	9,6 W/m	2.9 W/ft	14,4 W/m	4.4 W/ft	19,2 W/m	5.9 W/ft	24 W/m	7.3 W/ft	28,8 W/m	8.8 W/ft	33,4 W/m	10.2 W/ft	48 W/m	14.6 W/ft
SPECTRUM	KELVINS	7		9		14		19		24		28		33		48	
		lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft
820	2000K	755	229	1031	313	1524	463	2012	612	2549	775	-		3504	1065	4875	1482
822	2200K	817	248	1115	339	1649	501	2177	662	2758	838	-		3791	1152	5275	1603
825	2500K	895	272	1221	371	1805	549	2383	724	3019	918	-		4150	1261	5774	1755
827	2700K	1047	318	1428	434	2111	642	2787	847	3531	1073	-		4853	1475	6753	2053
830	3000K	1078	328	1470	447	2174	661	2869	872	3636	1105	-		4997	1519	6953	2113
835	3500K	1102	335	1504	457	2224	676	2935	892	3719	1130	-		5112	1554	7113.2	2162
840	4000K	1105	336	1508	458	2230	678	2944	895	3730	1134	-		5126	1558	7133	2168
850	5000K	1217	370	1640	498	2381	724	3102	943	3891	1183	-		5312	1615	7404.5	2251
857	5700K	1174	357	1582	481	2298	698	2993	910	3755	1141	-		5126	1558	7144	2171
865	6500K	1174	357	1582	481	2298	698	2993	910	3755	1141	-		5126	1558	7144	2171
	EFFICACY	169 lm/W		171 lm/W		165 lm/W		161 lm/W		162 lm/W				159 lm/W		154 lm/W	

CRI 90+

		POWER															
		7,2 W/m	2.2 W/ft	9,6 W/m	2.9 W/ft	14,4 W/m	4.4 W/ft	19,2 W/m	5.9 W/ft	24 W/m	7.3 W/ft	28,8 W/m	8.8 W/ft	33,4 W/m	10.2 W/ft	48 W/m	14.6 W/ft
SPECTRUM	KELVINS	7		9		14		19		24		28		33		48	
		lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft
920	2000K	654	199	881	268	1277	388	1661	505	2080	632	-		2825	859	3911	1189
922	2200K	707	215	952	289	1381	420	1797	546	2250	684	-		3056	929	4230	1286
925	2500K	768	233	1033	314	1498	455	1949	592	2441	742	-		3315	1008	4590	1395
927	2700K	872	265	1179	358	1723	524	2253	685	2833	861	-		3861	1174	5349	1626
930	3000K	891	271	1206	367	1761	535	2303	700	2896	880	-		3947	1200	5468	1662
935	3500K	914	278	1237	376	1806	549	2362	718	2970	903	-		4048	1230	5608	1705
940	4000K	930	283	1259	383	1838	559	2404	731	3023	919	-		4120	1252	5708	1735
950	5000K	992	302	1340	407	1954	594	2551	775	3203	974	-		4365	1327	6042	1836
957	5700K	985	299	1331	405	1941	590	2534	770	3182	967	-		4336	1318	6002	1824
965	6500K	979	298	1323	402	1928	586	2517	765	3161	961	-		4308	1309	5963	1812
	EFFICACY	138 Lm/W		140 Lm/W		136 Lm/W		133 Lm/W		133 Lm/W				131 lm/W		126 lm/W	

CRI 95+

		POWER															
		7,2 W/m	2.2 W/ft	9,6 W/m	2.9 W/ft	14,4 W/m	4.4 W/ft	19,2 W/m	5.9 W/ft	24 W/m	7.3 W/ft	28,8 W/m	8.8 W/ft	33,4 W/m	10.2 W/ft	48 W/m	14.6 W/ft
SPECTRUM	KELVINS	7		9		14		19		24		28		33		48	
		lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft
027	757	757	230	1020	310	1481	450	1927	586	2414	734	-		3279	997	4537	1379
030	773	773	235	1042	317	1513	460	1970	599	2467	750	-		3351	1019	4636	1409
035	790	790	240	1064	323	1546	470	2012	612	2520	766	-		3423	1040	4736	1440
040	800	800	243	1078	328	1565	476	2037	619	2552	776	-		3467	1054	4795	1457
050	854	854	260	1151	350	1674	509	2183	664	2740	833	-		3728	1133	5175	1573
	EFFICACY	119 lm/W		120 lm/W		116 lm/W		114 lm/W		114 lm/W				112 lm/W		108 lm/W	

ACCESSORIES

CONNECTORS

CON-ON-FL0-2	2pin, transparent, indoor
CON-ON-FL1-2	2pin, non-transparent, indoor
CON-ON-FL2-2	2pin + wire, indoor
CON-ON-FL3-2	2pin wire extended, indoor

WIRING

CB-00-05-2	2-pin indoor cable 0,5mm² / 20 AWG

Disclaimer:
Technical data is subject to change without prior notice.

FL-56/D3 DELTA - white light

INDOOR FLEXIBLE LED STRIPS

For an affordable general use LED solution, these flexible LED strips are an excellent option. Containing 56 DELTA LEDs per meter, they are especially suitable for large scale projects. They can also be used for general, task and decorative lighting.

These strips are cost competitive and offer excellent efficiency, but this does not mean any compromises have been made in terms of quality. High-quality DELTA LEDs are based on a flexible copper PCB with integrated current stabilization system. For efficient heat transfer to the mounting surface, special adhesive tape that is thermally conductive is used.

The result is a long-lasting, efficient LED strip that offers good versatility. The DELTA LEDs used strike an excellent balance between lighting quality, efficiency and value.

TECHNICAL DATA

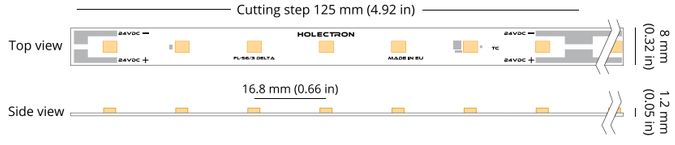
LEDs per meter	56 LEDs/m	17 LEDs/ft
Voltage	24 VDC (22.5 - 25 VDC)	
Tape width	8 mm	0.32"
Cutting step	125 mm	4.92"
Tc temperature	<75° C	<167° F
Operating temperature	-25°C...+50°C	-13°F...122°F
Beam angle	120°	
Dimmable	YES	
Strip length per reel	10 m or 50 m	32' or 164'

MAXIMUM RUN

4W	9 m	30'
9W	4,5 m	15'
14W	3,5 m	12'
19W	2,5 m	8'

LM80	**L70B50**			
TESTED	>50 000 HOURS	STABILIZED CURRENT	3-STEP MACADAM	
UL APPROVED	CE COMPLIANT	MADE IN EUROPE	5 YEAR WARRANTY	

TECHNICAL DRAWING



ORDER CODE

Order code example: FL-56-14/D3-830

Product:		Power:		Type:		Spectrum:
FL-56	-		/	D3	-	

LUMEN VALUES

CRI 80+

		POWER															
		4,8 W/m	1.5 W/ft	9,6 W/m	2.9 W/ft	14,4 W/m	4.4 W/ft	19,2 W/m	5.9 W/ft	24 W/m	7.3 W/ft	28,8 W/m	8.8 W/ft	33,4 W/m	10.2 W/ft	48 W/m	14.6 W/ft
SPECTRUM	**KELVINS**	**4**		**9**		**14**		**19**		**24**		**28**		**33**		**48**	
		lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft
822	2200K	612	186	1137	346	1590	483	2050	623								
827	2700K	612	186	1137	346	1590	483	2050	623	-		-		-		-	
830	3000K	649	197	1206	367	1686	512	2175	661	-		-		-		-	
835	3500K	686	209	1275	388	1783	542	2300	699	-		-		-		-	
840	4000K	722	219	1344	409	1880	571	2421	736	-		-		-		-	
850	5000K	760	231	1413	429	1977	601	2546	774	-		-		-		-	
857	5700K	760	231	1413	429	1977	601	2546	774	-		-		-		-	
865	6500K	760	231	1413	429	1977	601	2546	774	-		-		-		-	
	EFFICACY	158 lm/W		147 lm/W		137 lm/W		133 lm/W									

CRI 90+

		POWER															
		4,8 W/m	1.5 W/ft	9,6 W/m	2.9 W/ft	14,4 W/m	4.4 W/ft	19,2 W/m	5.9 W/ft	24 W/m	7.3 W/ft	28,8 W/m	8.8 W/ft	33,4 W/m	10.2 W/ft	48 W/m	14.6 W/ft
SPECTRUM	**KELVINS**	**4**		**9**		**14**		**19**		**24**		**28**		**33**		**48**	
		lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft
922	2200K	479	146	912	277	1300	395	1686	512								
927	2700K	515	157	978	297	1398	425	1812	551	-		-		-		-	
930	3000K	550	167	1046	318	1495	454	1935	588	-		-		-		-	
935	3500K	586	178	1114	339	1589	483	2061	626	-		-		-		-	
940	4000K	622	189	1182	359	1686	512	2188	665	-		-		-		-	
950	5000K	622	189	1182	359	1686	512	2188	665	-		-		-		-	
957	5700K	622	189	1182	359	1686	512	2188	665	-		-		-		-	
965	6500K	622	189	1182	359	1686	512	2188	665	-		-		-		-	
	EFFICACY	130 lm/W		123 lm/W		117 lm/W		114 lm/W									

ACCESSORIES

CONNECTORS

CON-ON-FL0-2	2pin, transparent, indoor
CON-ON-FL1-2	2pin, non-transparent, indoor
CON-ON-FL2-2	2pin + wire, indoor
CON-ON-FL3-2	2pin wire extended, indoor

WIRING

CB-00-05-2	2-pin indoor cable 0,5mm² / 20 AWG

Disclaimer:
Technical data is subject to change without prior notice.

FL-112/D3 DELTA - white light

INDOOR FLEXIBLE LED STRIPS

These flexible strips offer versatility and cost-competitiveness, with added power thanks to a higher LED density. Featuring 112 high-quality DELTA LEDs per meter, these strips are designed for long-term professional lighting applications. Ideal for direct lighting, task lighting and decorative lighting, they represent the best value option for this level of lighting quality.

Robust and long-lasting, these strips use high quality components to ensure stable performance. DELTA LEDs are based on a flexible copper PCB featuring integrated current stabilization system. And special thermally conductive adhesive tape on the back ensures perfect heat transfer to the mounting surface.

The DELTA LEDs used provide the ideal balance of value, high efficiency, and lighting quality.

TECHNICAL DATA

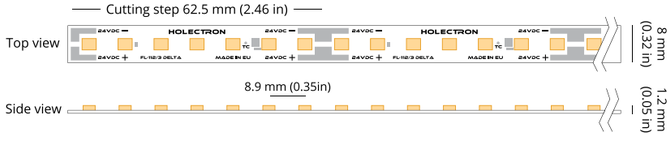
LEDs per meter	112 LEDs/m	34 LEDs/ft
Voltage	24 VDC (22.5 - 25 VDC)	
Tape width	8 mm	0.32"
Cutting step	62,5 mm	2.46"
Tc temperature	<75° C	<167° F
Operating temperature	-25°C...+50°C	-13°F...122°F
Beam angle	120°	
Dimmable	YES	
Strip length per reel	10 m or 50 m	32' or 164'

MAXIMUM RUN

4W	10 m	33'
9W	6 m	20'
14W	4 m	13'
19W	3 m	10'
24W	2,5 m	8'
33W	2 m	7'

LM80	L70B50		
TESTED	>50 000 HOURS	STABILIZED CURRENT	3-STEP MACADAM
UL APPROVED	CE COMPLIANT	MADE IN EUROPE	5 YEAR WARRANTY

TECHNICAL DRAWING



ORDER CODE

Order code example: FL-112-14/D3-830

Product:		Power:		Type:		Spectrum:
FL-112	-		/	D3	-	

LUMEN VALUES

CRI 80+

		POWER															
		4,8 W/m	1.5 W/ft	9,6 W/m	2.9 W/ft	14,4 W/m	4.4 W/ft	19,2 W/m	5.9 W/ft	24 W/m	7.3 W/ft	28,8 W/m	8.8 W/ft	33,4 W/m	10.2 W/ft	48 W/m	14.6 W/ft
SPECTRUM	KELVINS	4		9		14		19		24		28		33		48	
		lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft
822	2200K	635	193	1210	368	1719	522	2239	681	2715	825			3570	1085		
827	2700K	635	193	1210	368	1719	522	2239	681	2715	825	-		3570	1085	-	
830	3000K	673	205	1283	390	1823	554	2375	722	2880	875	-		3787	1151	-	
835	3500K	712	216	1356	412	1928	586	2511	763	3045	926	-		4005	1217	-	
840	4000K	750	228	1430	435	2032	618	2647	805	3210	976	-		4222	1283	-	
850	5000K	789	240	1501	456	2136	649	2783	846	3375	1026	-		4440	1350	-	
857	5700K	789	240	1501	456	2136	649	2783	846	3375	1026	-		4440	1350	-	
865	6500K	789	240	1501	456	2136	649	2783	846	3375	1026	-		4440	1350	-	
	EFFICACY	164 lm/W		156 lm/W		148 lm/W		145 lm/W		141 lm/W				133 lm/W			

CRI 90+

		POWER															
		4,8 W/m	1.5 W/ft	9,6 W/m	2.9 W/ft	14,4 W/m	4.4 W/ft	19,2 W/m	5.9 W/ft	24 W/m	7.3 W/ft	28,8 W/m	8.8 W/ft	33,4 W/m	10.2 W/ft	48 W/m	14.6 W/ft
SPECTRUM	KELVINS	4		9		14		19		24		28		33		48	
		lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft
922	2200K	482	147	942	286	1356	412	1789	544	2188	665			2919	887		
927	2700K	518	157	1012	308	1457	443	1919	583	2351	715	-		3137	953	-	
930	3000K	554	168	1082	329	1558	474	2052	624	2510	763	-		3355	1020	-	
935	3500K	590	179	1152	350	1659	504	2185	664	2673	812	-		3574	1086	-	
940	4000K	626	190	1222	371	1760	535	2318	705	2836	862	-		3786	1151	-	
950	5000K	626	190	1222	371	1760	535	2318	705	2836	862	-		3786	1151	-	
957	5700K	626	190	1222	371	1760	535	2318	705	2836	862	-		3786	1151	-	
965	6500K	626	190	1222	371	1760	535	2318	705	2836	862	-		3786	1151	-	
	EFFICACY	130 lm/W		127 lm/W		122 lm/W		121 lm/W		118 lm/W				113 lm/W			

ACCESSORIES

CONNECTORS

CON-ON-FL0-2	2pin, transparent, indoor
CON-ON-FL1-2	2pin, non-transparent, indoor
CON-ON-FL2-2	2pin + wire, indoor
CON-ON-FL3-2	2pin wire extended, indoor

WIRING

CB-00-05-2	2-pin indoor cable 0,5mm² / 20 AWG

Disclaimer:
Technical data is subject to change without prior notice.

FL-168/D3 DELTA - white light

INDOOR FLEXIBLE LED STRIPS

These flexible strips offer versatility and cost-competitiveness, with added power thanks to a higher LED density. Featuring 168 high-quality DELTA LEDs per meter, these strips are designed for long-term professional lighting applications. Ideal for direct lighting, task lighting and decorative lighting, they represent the best value option for this level of lighting quality.

Robust and long-lasting, these strips use high quality components to ensure stable performance. DELTA LEDs are based on a flexible copper PCB featuring integrated current stabilization system. And special thermally conductive adhesive tape on the back ensures perfect heat transfer to the mounting surface.

The DELTA LEDs used provide the ideal balance of value, high efficiency, and lighting quality.

TECHNICAL DATA

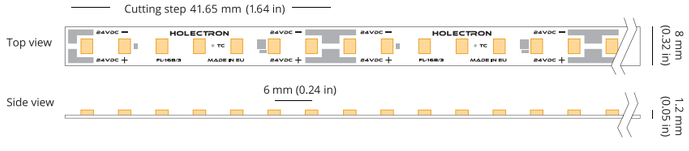
LEDs per meter	168 LEDs/m	52 LEDs/ft
Voltage	24 VDC (22.5 - 25 VDC)	
Tape width	8 mm	0.32"
Cutting step	41,65 mm	1.64"
Tc temperature	<75° C	<167° F
Operating temperature	-25°C...+50°C	-13°F...122°F
Beam angle	120°	
Dimmable	YES	
Strip length per reel	10 m or 50 m	32' or 164'

MAXIMUM RUN

7W	14 m	45'
9W	6 m	20'
14W	4 m	13'
19W	3 m	9'
24W	2,5 m	8'
33W	2 m	7'
48W	1,5 m	4'

LM80	L70B50		
TESTED	>50 000 HOURS	STABILIZED CURRENT	3-STEP MACADAM
UL APPROVED	CE COMPLIANT	MADE IN EUROPE	5 YEAR WARRANTY

TECHNICAL DRAWING



ORDER CODE

Order code example: FL-168-14/D3-830

Product:		Power:		Type:		Spectrum:
FL-168	-		/	D3	-	

LUMEN VALUES

CRI 80+

		POWER															
		7,2 W/m	2.2 W/ft	9,6 W/m	2.9 W/ft	14,4 W/m	4.4 W/ft	19,2 W/m	5.9 W/ft	24 W/m	7.3 W/ft	28,8 W/m	8.8 W/ft	33,4 W/m	10.2 W/ft	48 W/m	14.6 W/ft
SPECTRUM	KELVINS	7		9		14		19		24		28		33		48	
		lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft
822	2200K	946	288	1254	381	1800	547	2313	703	2841	864			3817	1160	5143	1563
827	2700K	946	288	1254	381	1800	547	2313	703	2841	864	-		3817	1160	5143	1563
830	3000K	1004	305	1331	405	1910	581	2454	746	3014	916	-		4049	1231	5456	1658
835	3500K	1061	322	1407	428	2019	614	2594	788	3187	969	-		4281	1301	5760	1751
840	4000K	1119	340	1483	451	2128	647	2735	831	3359	1021	-		4513	1372	6072	1846
850	5000K	1176	357	1559	474	2238	680	2875	874	3532	1074	-		4745	1442	6385	1941
857	5700K	1176	357	1559	474	2238	680	2875	874	3532	1074	-		4745	1442	6385	1941
865	6500K	1176	357	1559	474	2238	680	2875	874	3532	1074	-		4745	1442	6385	1941
	EFFICACY	163 lm/W		162 lm/W		155 lm/W		150 lm/W		147 lm/W				142 lm/W		133 lm/W	

CRI 90+

		POWER															
		7,2 W/m	2.2 W/ft	9,6 W/m	2.9 W/ft	14,4 W/m	4.4 W/ft	19,2 W/m	5.9 W/ft	24 W/m	7.3 W/ft	28,8 W/m	8.8 W/ft	33,4 W/m	10.2 W/ft	48 W/m	14.6 W/ft
SPECTRUM	KELVINS	7		9		14		19		24		28		33		48	
		lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft
922	2200K	718	218	969	295	1400	426	1811	550	2251	684			3059	930	4204	1278
927	2700K	771	234	1041	316	1504	457	1945	591	2417	735	-		3285	998	4518	1373
930	3000K	824	250	1113	338	1608	489	2080	632	2585	786	-		3514	1068	4833	1469
935	3500K	877	267	1185	360	1712	520	2214	673	2752	836	-		3742	1137	5138	1562
940	4000K	931	283	1257	382	1816	552	2349	714	2914	886	-		3971	1207	5453	1657
950	5000K	931	283	1257	382	1816	552	2349	714	2914	886	-		3971	1207	5453	1657
957	5700K	931	283	1257	382	1816	552	2349	714	2914	886	-		3971	1207	5453	1657
965	6500K	931	283	1257	382	1816	552	2349	714	2914	886	-		3971	1207	5453	1657
	EFFICACY	129 lm/W		131 lm/W		126 lm/W		122lm/W		121 lm/W				119 lm/W		114 lm/W	

ACCESSORIES

CONNECTORS

CON-ON-FL0-2	2pin, transparent, indoor
CON-ON-FL1-2	2pin, non-transparent, indoor
CON-ON-FL2-2	2pin + wire, indoor
CON-ON-FL3-2	2pin wire extended, indoor

WIRING

CB-00-05-2	2-pin indoor cable 0,5mm² / 20 AWG

Disclaimer:
Technical data is subject to change without prior notice.

FL-140/O2 - white light

INDOOR FLEXIBLE LED STRIPS

These flexible LED strips contain 140 OSRAM LEDs per meter and feature a universal 50 mm cutting step. This gives them impressive versatility. These strips are perfectly suited to a range of professional LED linear lighting applications, including retail, decorative lighting, furniture illumination, edge lighting and much more.

The quality components in these short pitch, bendable LED tapes ensure excellent performance and durability for an extra-long lifetime. OSRAM LEDs, which are manufactured in Germany, are mounted to a flexible copper PCB, with IC drivers used to stabilize the current flow. Specially designed thermally conductive tape on the back ensures heat transfer to the mounting surface is perfect.

The result is a long-lasting, efficient LED strip that offers great applicability in various professional lighting applications.

TECHNICAL DATA

LEDs per meter	140 LEDs/m	43 LEDs/ft
Voltage	24 VDC (22.5 - 25 VDC)	
Tape width	7,5 mm	0.29"
Cutting step	50 mm	1.97"
Tc temperature	<75° C	<167° F
Operating temperature	-25°C...+50°C	-13°F...122°F
Beam angle	120°	
Dimmable	YES	
Strip length per reel	10 m or 50 m	32' or 164'

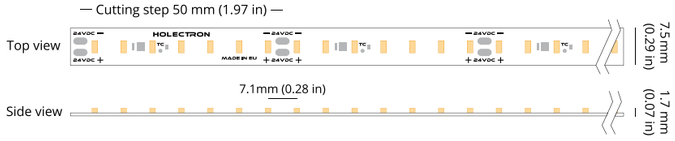
MAXIMUM RUN

9W	10 m	33'
14W	6 m	20'
19W	5 m	16'
24W	4 m	13'
28W	3 m	10'

LM80 TESTED | OSRAM HIGH QUALITY LED | STABILIZED CURRENT | 3-STEP MACADAM

UL APPROVED | CE COMPLIANT | MADE IN EUROPE | 5 YEAR WARRANTY

TECHNICAL DRAWING



ORDER CODE

Order code example: FL-140-14/O3-830

Product:		Power:		Type:		Spectrum:
FL-140	-		/	O2	-	

LUMEN VALUES

CRI 80+

		POWER															
		4,8 W/m	1.5 W/ft	9,6 W/m	2.9 W/ft	14,4 W/m	4.4 W/ft	19,2 W/m	5.9 W/ft	24 W/m	7.3 W/ft	28,8 W/m	8.8 W/ft	33,4 W/m	10.2 W/ft	48 W/m	14.6 W/ft
SPECTRUM	KELVINS	4		9		14		19		24		28		33		48	
		lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft
822	2200K	-		1039	317	1502	458	1933	589	2337	712	2744	836	-		-	
825	2500K	-		1157	353	1668	508	2142	653	2583	787	3028	923	-		-	
827	2700K	-		1216	371	1741	531	2244	684	2720	829	3211	979	-		-	
830	3000K	-		1317	401	1886	575	2432	741	2947	898	3479	1060	-		-	
835	3500K	-		1317	401	1886	575	2432	741	2947	898	3479	1060	-		-	
840	4000K	-		1430	436	2048	624	2640	805	3200	975	3770	1149	-		-	
850	5000K	-		1430	436	2048	624	2640	805	3200	975	3770	1149	-		-	
865	6500K	-		1430	436	2048	624	2640	805	3200	975	3770	1149	-		-	
	EFFICACY			149 lm/W		142 lm/W		138 lm/W		133 lm/W		131 lm/W					

CRI 90+

		POWER															
		4,8 W/m	1.5 W/ft	9,6 W/m	2.9 W/ft	14,4 W/m	4.4 W/ft	19,2 W/m	5.9 W/ft	24 W/m	7.3 W/ft	28,8 W/m	8.8 W/ft	33,4 W/m	10.2 W/ft	48 W/m	14.6 W/ft
SPECTRUM	KELVINS	4		9		14		19		24		28		33		48	
		lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft
922	2200K	-		865	264	1261	384	1626	496	1996	608	2331	710	-		-	
927	2700K	-		936	285	1354	413	1744	532	2262	689	2649	807	-		-	
930	3000K	-		954	291	1374	419	1764	538	2410	735	2826	861	-		-	
935	3500K	-		963	294	1389	423	1790	546	2448	746	2872	875	-		-	
940	4000K	-		1027	313	1486	453	1916	584	2515	767	2956	901	-		-	
950	5000K	-		1092	333	1576	480	2026	618	2559	780	3004	916	-		-	
965	6500K	-		1033	315	1491	454	1918	585	2509	765	2945	898	-		-	
	EFFICACY			114 lm/W		109 lm/W		106 lm/W		107 lm/W		104 lm/W					

ACCESSORIES

CONNECTORS

CON-ON-FL0-2	2pin, transparent, indoor
CON-ON-FL1-2	2pin, non-transparent, indoor
CON-ON-FL2-2	2pin + wire, indoor
CON-ON-FL3-2	2pin wire extended, indoor

WIRING

CB-00-05-2	2-pin indoor cable 0,5mm² / 20 AWG

Disclaimer:
Technical data is subject to change without prior notice.

FL-224/O3 - white light

INDOOR FLEXIBLE LED STRIPS

These strips offer the highest density in our product range. Featuring 224 OSRAM LEDs per meter, they are suitable for a wide range of LED linear lighting uses. And because they are ultra-narrow, they are ideal for decorative lighting.

While these strips are sleek and versatile, they are also robust. The OSRAM LEDs used are made in Germany. The base for these LEDs is a flexible copper PCB, and heat is perfectly transferred to the mounting surface via special heat-conducting tape. As a result, these strips have an extra-long lifetime and offer consistent performance.

Built and designed to fit the smallest places, these strips will offer homogeneous light across a range of applications.

TECHNICAL DATA

LEDs per meter	224 LEDs/m	68 LEDs/ft
Voltage	24 VDC (22.5 - 25 VDC)	
Tape width	5 mm	0.20"
Cutting step	31,25 mm	1.23"
Tc temperature	<75° C	<167° F
Operating temperature	-25°C...+50°C	-13°F...122°F
Beam angle	120°	
Dimmable	YES	
Strip length per reel	10 m or 50 m	32' or 164'

MAXIMUM RUN

9W	3 m	10'
14W	2 m	7'
19W	1,5 m	5'

LM80 TESTED

OSRAM HIGH QUALITY LED

STABILIZED CURRENT

3-STEP MACADAM

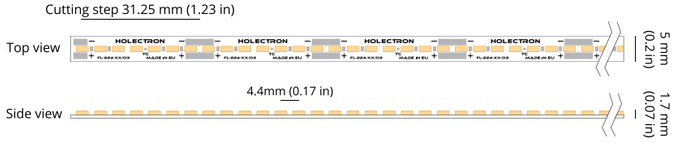
UL APPROVED

CE COMPLIANT

MADE IN EUROPE

5 YEAR WARRANTY

TECHNICAL DRAWING



ORDER CODE

Order code example: FL-224-14/O3-830

Product:		Power:		Type:		Spectrum:
FL-224	-		/	O3	-	

LUMEN VALUES

CRI 80+

		POWER															
		4,8 W/m	1.5 W/ft	9,6 W/m	2.9 W/ft	14,4 W/m	4.4 W/ft	19,2 W/m	5.9 W/ft	24 W/m	7.3 W/ft	28,8 W/m	8.8 W/ft	33,4 W/m	10.2 W/ft	48 W/m	14.6 W/ft
SPECTRUM	KELVINS	4		9		14		19		24		28		33		48	
		lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft
822	2200K	-		1020	311	1571	479	2011	613	-		-		-		-	
825	2500K	-		1138	347	1750	533	2236	682	-		-		-		-	
827	2700K	-		1285	392	1819	554	2315	706	-		-		-		-	
830	3000K	-		1392	424	1971	601	2509	765	-		-		-		-	
835	3500K	-		1392	424	1971	601	2509	765	-		-		-		-	
840	4000K	-		1511	461	2139	652	2723	830	-		-		-		-	
850	5000K	-		1511	461	2139	652	2723	830	-		-		-		-	
865	6500K	-		1511	461	2139	652	2723	830	-		-		-		-	
	EFFICACY			157 lm/W		149 lm/W		142 lm/W									

CRI 90+

		POWER															
		4,8 W/m	1.5 W/ft	9,6 W/m	2.9 W/ft	14,4 W/m	4.4 W/ft	19,2 W/m	5.9 W/ft	24 W/m	7.3 W/ft	28,8 W/m	8.8 W/ft	33,4 W/m	10.2 W/ft	48 W/m	14.6 W/ft
SPECTRUM	KELVINS	4		9		14		19		24		28		33		48	
		lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft
922	2200K	-		851	259	1330	405	1710	521	-		-		-		-	
927	2700K	-		968	295	1512	461	1945	593	-		-		-		-	
930	3000K	-		1065	325	1634	498	2087	636	-		-		-		-	
935	3500K	-		1075	328	1652	504	2112	644	-		-		-		-	
940	4000K	-		1049	320	1654	504	2137	651	-		-		-		-	
950	5000K	-		1123	342	1726	526	2207	673	-		-		-		-	
965	6500K	-		1064	324	1667	508	2146	654	-		-		-		-	
	EFFICACY			117 lm/W		120 lm/W		115 lm/W									

ACCESSORIES

WIRING

CB-00-05-2	2-pin indoor cable 0,5mm² / 20 AWG

Disclaimer:
Technical data is subject to change without prior notice.

Tunable white light | LED STRIPS

Sunlight in the LED strip

Tunable white light LED strips are the foundation of human-centric lighting solutions. These strips are essential light sources, for all solutions where human circadian rhythm effect is needed.

Our strips are manufactured using the highest quality electronic components. Advanced automated assembly machines ensure pinpoint accuracy across the assembly process. Every strip goes through multiple stage testing to ensure that it meets our exacting quality standards.

The result is a high quality human centric light that offers our customers extra-long lifetime, durability and flexibility.

TW-56/N3 - tunable white light

INDOOR FLEXIBLE LED STRIPS

Whether it is for general lighting or showcase illumination, these flexible LED strips are an excellent choice wherever human circadian rhythm effect is needed. Containing 56 warm white and 56 cold white NICHIA LEDs per meter, they are designed for long-term professional human-centric lighting applications.

These strips offer an extra-long lifetime combined with stable performance. This is achieved through the combination of a copper PCB and a current stabilization system. Furthermore, special thermally conductive tape on the back guarantees perfect heat transfer to the mounting surface.

The result is a high quality, human-centric light that offers extra-long lifetime, durability and flexibility.

TECHNICAL DATA

LEDs per meter	56 warm + 56 cold LEDs/m	17 warm + 17 cold LEDs/ft
Voltage	24 VDC (22.5 - 25 VDC)	
Tape width	10 mm	0.39"
Cutting step	125 mm	4.92"
Tc temperature	<75° C	<167° F
Operating temperature	-25°C...+50°C	-13°F...122°F
Beam angle	120°	
Dimmable	YES	
Strip length per reel	10 m or 50 m	32' or 164'

MAXIMUM RUN

9W	8 m	26'
19W	5.5 m	18'
33W	3.5 m	11'
48W	2 m	7'

L90B10 — >60 000 HOURS

NICHIA — HIGHEST QUALITY LED

STABILIZED CURRENT

3-STEP MACADAM

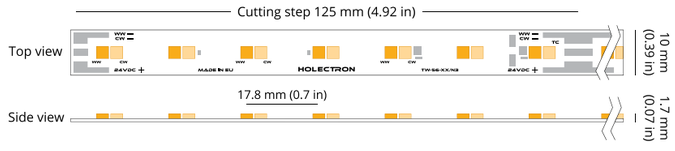
UL APPROVED

CE COMPLIANT

MADE IN EUROPE

5 YEAR WARRANTY

TECHNICAL DRAWING



ORDER CODE

Order code example: TW-56-19 /N3-820/865

Product:		Power:		Type:		Spectrum:
TW-56	-		/	N3	-	

LUMEN VALUES

CRI 80+

SPECTRUM	KELVINS	POWER 9,6 W/m 2.9 W/ft lm/m	lm/ft	14,4 W/m 4.4 W/ft lm/m	lm/ft	19,2 W/m 5.9 W/ft lm/m	lm/ft	24 W/m 7.3 W/ft lm/m	lm/ft	28,8 W/m 8.8 W/ft lm/m	lm/ft	33,4 W/m 10.2 W/ft lm/m	lm/ft	48 W/m 14.6 W/ft lm/m	lm/ft
820/865	2000-6500K	1297	395	-		2545	776	-		-		4252	1296	5845	1782
825/857	2500-5700K	1393	425	-		2735	834	-		-		4570	1393	6280	1914
827/857	2700-5700K	1496	456	-		2942	897	-		-		4915	1498	6754	2059
827/850	2700-5000K	1524	465	-		2997	913	-		-		5007	1526	6881	2097
	EFFICACY	159 lm/W				156 lm/W						150 lm/W		143 lm/W	

CRI 90+

SPECTRUM	KELVINS	POWER 9,6 W/m 2.9 W/ft lm/m	lm/ft	14,4 W/m 4.4 W/ft lm/m	lm/ft	19,2 W/m 5.9 W/ft lm/m	lm/ft	24 W/m 7.3 W/ft lm/m	lm/ft	28,8 W/m 8.8 W/ft lm/m	lm/ft	33,4 W/m 10.2 W/ft lm/m	lm/ft	48 W/m 14.6 W/ft lm/m	lm/ft
920/965	2000-6500K	1120	341	-		2170	661	-		-		3593	1095	4910	1497
925/957	2500-5700K	1199	365	-		2323	708	-		-		3846	1172	5257	1602
927/950	2700-5000K	1314	401	-		2552	778	-		-		4225	1288	5780	1762
	EFFICACY	137 lm/W				133 lm/W						126 lm/W		120 lm/W	

CRI 95+

SPECTRUM	KELVINS	POWER 9,6 W/m 2.9 W/ft lm/m	lm/ft	14,4 W/m 4.4 W/ft lm/m	lm/ft	19,2 W/m 5.9 W/ft lm/m	lm/ft	24 W/m 7.3 W/ft lm/m	lm/ft	28,8 W/m 8.8 W/ft lm/m	lm/ft	33,4 W/m 10.2 W/ft lm/m	lm/ft	48 W/m 14.6 W/ft lm/m	lm/ft
027/040	2700-4000K	1082	330	-		2009	612	-		-		2843	867	3705	1129
027/050	2700-5000K	1122	342	-		2092	638	-		-		2966	904	3871	1180
	EFFICACY	117 lm/W				109 lm/W						89 Lm/W		81 lm/W	

*to find the full range of possible spectres visit our website www.holectron.com

ACCESSORIES

WIRING

CB-00-05-3	3-pin indoor cable 0,5mm² / 20 AWG

Disclaimer:
Technical data is subject to change without prior notice.

TW-70/N3 - tunable white light

INDOOR FLEXIBLE LED STRIPS

Offering a combination of higher density and shorter cutting step, these LED strips are well-suited to direct, task and decorative lighting. Containing 70 warm white and 70 cold white NICHIA LEDs per meter, they are a powerful long-term solution wherever human circadian rhythm effect is needed.

A combination of quality components, smart design solutions, and pinpoint production ensure the stable performance and extra-long life of these strips. A flexible copper printed circuit board (PCB) with integrated current stabilization system provides the base for the LEDs, and heat-conducting adhesive tape ensures perfect heat transfer to the mounting surface.

Built for smooth human-centric lighting, these strips will offer quality and performance across a range of applications.

TECHNICAL DATA

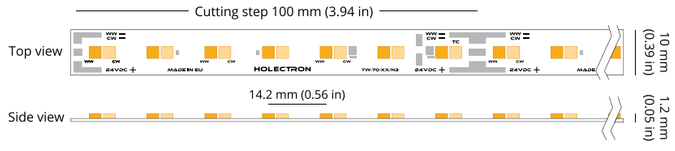
LEDs per meter	70 warm + 70 cold LEDs/m	21 warm + 21 cold LEDs/ft
Voltage	24 VDC (22.5 - 25 VDC)	
Tape width	10 mm	0.39"
Cutting step	100 mm	3.94"
Tc temperature	<75° C	<167° F
Operating temperature	-25°C...+50°C	-13°F...122°F
Beam angle	120°	
Dimmable	YES	
Strip length per reel	10 m or 50 m	32' or 164'

MAXIMUM RUN

9W	8.5 m	28'
19W	5.5 m	18'
33W	3.5 m	11'
48W	2.5 m	8'

L90B10	NICHIA		
>60 000 HOURS	HIGHEST QUALITY LED	STABILIZED CURRENT	3-STEP MACADAM
UL APPROVED	CE COMPLIANT	MADE IN EUROPE	5 YEAR WARRANTY

TECHNICAL DRAWING



ORDER CODE

Order code example: TW-70-19/N3-820/865

Product:		Power:		Type:		Spectrum:
TW-70	-		/	N3	-	

LUMEN VALUES

CRI 80+

		POWER													
		9,6 W/m	2.9 W/ft	14,4 W/m	4.4 W/ft	19,2 W/m	5.9 W/ft	24 W/m	7.3 W/ft	28,8 W/m	8.8 W/ft	33,4 W/m	10.2 W/ft	48 W/m	14.6 W/ft
SPECTRUM	KELVINS	9		14		19		24		28		33		48	
		lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft
820/865	2000-6500K	1282	391	-		2522	769	-		-		4266	1300	5951	1814
825/857	2500-5700K	1375	419	-		2710	826	-		-		4586	1398	6395	1949
827/857	2700-5700K	1477	450	-		2915	888	-		-		4934	1504	6879	2097
827/850	2700-5000K	1505	459	-		2970	905	-		-		5027	1532	7008	2136
	EFFICACY	157 lm/W				155 lm/W						151 lm/W		146 lm/W	

CRI 90+

		POWER													
		9,6 W/m	2.9 W/ft	14,4 W/m	4.4 W/ft	19,2 W/m	5.9 W/ft	24 W/m	7.3 W/ft	28,8 W/m	8.8 W/ft	33,4 W/m	10.2 W/ft	48 W/m	14.6 W/ft
SPECTRUM	KELVINS	9		14		19		24		28		33		48	
		lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft
920/965	2000-6500K	1110	338	-		2160	658	-		-		3617	1102	5019	1530
925/957	2500-5700K	1190	363	-		2313	705	-		-		3873	1180	5373	1638
927/950	2700-5000K	1301	397	-		2537	773	-		-		4255	1297	5903	1799
	EFFICACY	136 lm/W				132 lm/W						127 lm/W		123 lm/W	

CRI 95+

		POWER													
		9,6 W/m	2.9 W/ft	14,4 W/m	4.4 W/ft	19,2 W/m	5.9 W/ft	24 W/m	7.3 W/ft	28,8 W/m	8.8 W/ft	33,4 W/m	10.2 W/ft	48 W/m	14.6 W/ft
SPECTRUM	KELVINS	9		14		19		24		28		33		48	
		lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft
027/040	2700-4000K	1088	332	-		2022	616	-		-		3306	1008	4561	1390
027/050	2700-5000K	1128	344	-		2103	641	-		-		3450	1052	4767	1453
	EFFICACY	118 lm/W				110 lm/W						103 lm/W		99 lm/W	

*to find the full range of possible spectres visit our website www.holectron.com

ACCESSORIES

WIRING

CB-00-05-3	3-pin indoor cable 0,5mm² / 20 AWG

Disclaimer:
Technical data is subject to change without prior notice.

TW-56/D3 DELTA - tunable white light

INDOOR FLEXIBLE LED STRIPS

These tunable white flexible LED strips contain 56 warm white and 56 cold white DELTA LEDs per single meter and are designed for long-term professional human-centric lighting applications and perfectly suit for general linear lighting, cove lighting, curved applications, furniture lighting and everywhere where human circadian rhythm effect is needed.
For these flexible tunable white LED strips, we use NICHIA LEDs from Japan, thick copper PCB and an IC current stabilization system inside. A special thermal conductive adhesive tape on the back side guarantees perfect heat transfer to the mounting surface. All of these features guarantee extra-long lifetime and stable performance.

TECHNICAL DATA

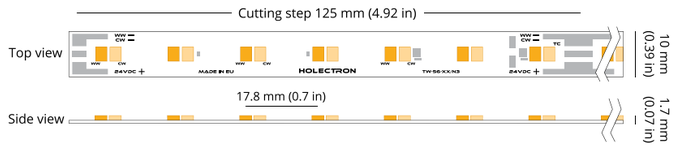
LEDs per meter	56 warm + 56 cold LEDs/m	17 warm + 17 cold LEDs/ft
Voltage	24 VDC (22.5 - 25 VDC)	
Tape width	10 mm	0.39"
Cutting step	125 mm	4.92"
Tc temperature	<75° C	<167° F
Operating temperature	-25°C...+50°C	-13°F...122°F
Beam angle	120°	
Dimmable	YES	
Strip length per reel	10 m or 50 m	32' or 164'

MAXIMUM RUN

9W	7.5 m	25'
19W	4.5 m	15'
33W	2 m	7'
48W	1.5 m	5'

LM80	L70B50		
TESTED	>50 000 HOURS	STABILIZED CURRENT	3-STEP MACADAM
UL APPROVED	CE COMPLIANT	MADE IN EUROPE	5 YEAR WARRANTY

TECHNICAL DRAWING



ORDER CODE

Order code example: TW-56-19/D3-822/850

Product:		Power:		Type:		Spectrum:
TW-56	-		/	D3	-	

LUMEN VALUES

CRI 80+

		POWER													
		9,6 W/m	2.9 W/ft	14,4 W/m	4.4 W/ft	19,2 W/m	5.9 W/ft	24 W/m	7.3 W/ft	28,8 W/m	8.8 W/ft	33,4 W/m	10.2 W/ft	48 W/m	14.6 W/ft
SPECTRUM	KELVINS	9		14		19		24		28		33		48	
		lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft
827/840	2700-4000K	1287	392	-		2408	734	-		-		4384	1336	-	
827/850	2700-5700K	1297	395	-		2413	735	-		-		4377	1334	-	
827/857	2700-5700K	1292	394	-		2406	733	-		-		4367	1331	-	
827/865	2700-6500K	1286	392	-		2405	733	-		-		4378	1334	-	
	EFFICACY	135 Lm/W				126 Lm/W						131 Lm/W			

CRI 90+

		POWER													
		9,6 W/m	2.9 W/ft	14,4 W/m	4.4 W/ft	19,2 W/m	5.9 W/ft	24 W/m	7.3 W/ft	28,8 W/m	8.8 W/ft	33,4 W/m	10.2 W/ft	48 W/m	14.6 W/ft
SPECTRUM	KELVINS	9		14		19		24		28		33		48	
		lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft
927/940	2700-4000K	1100	335	-		2049	625	-		-		3717	1133	-	
927/950	2700-5700K	1097	334	-		2046	624	-		-		3718	1133	-	
927/957	2700-5700K	1121	342	-		2090	637	-		-		3798	1158	-	
927/965	2700-6500K	1121	342	-		2090	637	-		-		3798	1158	-	
	EFFICACY	117 lm/W				109 lm/W						114 lm/W			

*to find the full range of possible spectres visit our website www.holectron.com

ACCESSORIES

WIRING

CB-00-05-3	3-pin indoor cable 0,5mm² / 20 AWG

Disclaimer:
Technical data is subject to change without prior notice.

TW-70/D3 DELTA - tunable white light

INDOOR FLEXIBLE LED STRIPS

These flexible strips offer versatility and cost-competitiveness, with added power thanks to a higher LED density. Featuring 70 warm white and 70 cold white DELTA LEDs per meter, these strips are designed for long-term professional lighting applications. Ideal for direct lighting, task lighting and decorative lighting, they represent the best value option for this level of lighting quality.

Robust and long-lasting, these strips use high quality components to ensure stable performance. DELTA LEDs are based on a flexible copper PCB featuring integrated current stabilization system. And special thermally conductive adhesive tape on the back ensures perfect heat transfer to the mounting surface.

The DELTA LEDs used provide the ideal balance of value, high efficiency, and lighting quality.

TECHNICAL DATA

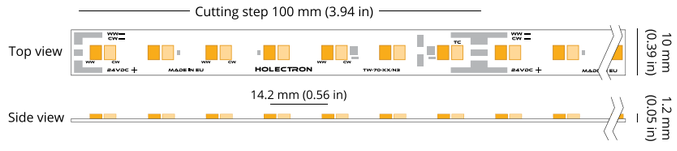
LEDs per meter	70 warm + 70 cold LEDs/m	21 warm + 21 cold LEDs/ft
Voltage	24 VDC (22.5 - 25 VDC)	
Tape width	10 mm	0.39"
Cutting step	100 mm	3.94"
Tc temperature	<75° C	<167° F
Operating temperature	-25°C...+50°C	-13°F...122°F
Beam angle	120°	
Dimmable	YES	
Strip length per reel	10 m or 50 m	32' or 164'

MAXIMUM RUN

9W	8 m	26'
19W	5.5 m	18'
33W	2.5 m	8'
48W	2 m	7'

LM80	L70B50		
TESTED	>50 000 HOURS	STABILIZED CURRENT	3-STEP MACADAM
UL APPROVED	CE COMPLIANT	MADE IN EUROPE	5 YEAR WARRANTY

TECHNICAL DRAWING



ORDER CODE

Order code example: TW-70-19/D3-822/850

Product:		Power:		Type:		Spectrum:
TW-70	-		/	D3	-	

LUMEN VALUES

CRI 80+

		POWER													
		9,6 W/m	2.9 W/ft	14,4 W/m	4.4 W/ft	19,2 W/m	5.9 W/ft	24 W/m	7.3 W/ft	28,8 W/m	8.8 W/ft	33,4 W/m	10.2 W/ft	48 W/m	14.6 W/ft
SPECTRUM	KELVINS	9		14		19		24		28		33		48	
		lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft
827/840	2700-4000K	1297	395	-		2453	748	-		-		4002	1220	5482	1671
827/850	2700-5700K	1309	399	-		2463	751	-		-		4003	1220	5472	1668
827/857	2700-5700K	1304	397	-		2454	748	-		-		3991	1216	5460	1664
827/865	2700-6500K	1296	395	-		2449	746	-		-		3995	1218	5473	1668
	EFFICACY	136 lm/W				128 lm/W						120 lm/W		114 lm/W	

CRI 90+

		POWER													
		9,6 W/m	2.9 W/ft	14,4 W/m	4.4 W/ft	19,2 W/m	5.9 W/ft	24 W/m	7.3 W/ft	28,8 W/m	8.8 W/ft	33,4 W/m	10.2 W/ft	48 W/m	14.6 W/ft
SPECTRUM	KELVINS	9		14		19		24		28		33		48	
		lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft
927/940	2700-4000K	1110	338	-		2090	637	-		-		3398	1036	4647	1416
927/950	2700-5700K	1107	337	-		2085	636	-		-		3394	1034	4648	1417
927/957	2700-5700K	1131	345	-		2130	649	-		-		3468	1057	4749	1447
927/965	2700-6500K	1131	345	-		2130	649	-		-		3468	1057	4749	1447
	EFFICACY	118 lm/W				111 lm/W						104 lm/W		99 lm/W	

*to find the full range of possible spectres visit our website www.holectron.com

ACCESSORIES

WIRING

CB-00-05-3	3-pin indoor cable 0,5mm² / 20 AWG

Disclaimer:
Technical data is subject to change without prior notice.

TW2-56/N3 - tunable dual white light

INDOOR FLEXIBLE LED STRIPS

Whether it is for general lighting or showcase illumination, these flexible LED strips are an excellent choice wherever human circadian rhythm effect is needed. Containing 56 Dual warm white and cold white NICHIA LEDs per meter, they are designed for longterm professional human-centric lighting applications.

These strips offer an extra-long lifetime combined with stable performance. This is achieved through the combination of a copper PCB and a current stabilization system. Furthermore, special thermally conductive tape on the back guarantees perfect heat transfer to the mounting surface.

The result is a high quality, human-centric light that offers extra-long lifetime, durability and flexibility.

TECHNICAL DATA

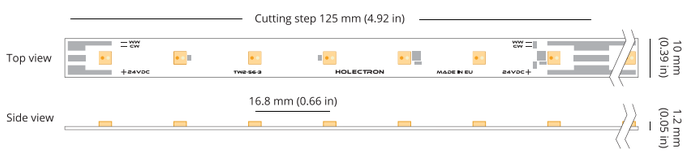
LEDs per meter	56 dual white and cold white LEDs/m	17 LEDs/ft
Voltage	24 VDC (22.5 - 25 VDC)	
Tape width	10 mm	0.39"
Cutting step	125 mm	4.92"
Tc temperature	<75° C	<167° F
Operating temperature	-25°C...+50°C	-13°F...122°F
Beam angle	120°	
Dimmable	YES	
Strip length per reel	10 m or 50 m	32' or 164'

MAXIMUM RUN

9W	8.5 m	28'
19W	5.5 m	18'
33W	4 m	13'
48W	3 m	10'

L90B10	NICHIA				
>60 000 HOURS	HIGHEST QUALITY LED	STABILIZED CURRENT	3-STEP MACADAM		
UL APPROVED	CE COMPLIANT	MADE IN EUROPE	5 YEAR WARRANTY		

TECHNICAL DRAWING



ORDER CODE

Order code example: TW2-56-19/N3-827/865

Product:		Power:		Type:		Spectrum:
TW2-56	-		/	N3	-	

LUMEN VALUES

CRI 80+

		POWER													
		9,6 W/m	2.9 W/ft	14,4 W/m	4.4 W/ft	19,2 W/m	5.9 W/ft	24 W/m	7.3 W/ft	28,8 W/m	8.8 W/ft	33,4 W/m	10.2 W/ft	48 W/m	14.6 W/ft
SPECTRUM	KELVINS	9		14		19		24		28		33		48	
		lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft
827/865	2700-6500K	1360	413	-		2631	800	-		-		4400	1337	6092	1852
	EFFICACY	142 Lm/W				137 Lm/W						132 Lm/W		127 Lm/W	

*to find the full range of possible spectres visit our website www.holectron.com

ACCESSORIES

WIRING

CB-00-05-3	3-pin indoor cable 0,5mm² / 20 AWG

Disclaimer:
Technical data is subject to change without prior notice.

TW2-112/N3 - tunable dual white light

INDOOR FLEXIBLE LED STRIPS

Whether it is for general lighting or showcase illumination, these flexible LED strips are an excellent choice wherever human circadian rhythm effect is needed. Containing 112 Dual warm white and cold white NICHIA LEDs per meter, they are designed for longterm professional human-centric lighting applications.

These strips offer an extra-long lifetime combined with stable performance. This is achieved through the combination of a copper PCB and a current stabilization system. Furthermore, special thermally conductive tape on the back guarantees perfect heat transfer to the mounting surface.

The result is a high quality, human-centric light that offers extra-long lifetime, durability and flexibility.

TECHNICAL DATA

LEDs per meter	112 dual white and cold white LEDs/m	34 LEDs/ft
Voltage	24 VDC (22.5 - 25 VDC)	
Tape width	10 mm	0.39"
Cutting step	62,5 mm	2.46"
Tc temperature	<75° C	<167° F
Operating temperature	-25°C...+50°C	-13°F...122°F
Beam angle	120°	
Dimmable	YES	
Strip length per reel	10 m or 50 m	32' or 164'

MAXIMUM RUN

9W	8.5 m	28'
19W	5.5 m	18'
33W	4 m	13'
48W	3 m	10'

L90B10 — >60 000 HOURS

NICHIA — HIGHEST QUALITY LED

STABILIZED CURRENT

3-STEP MACADAM

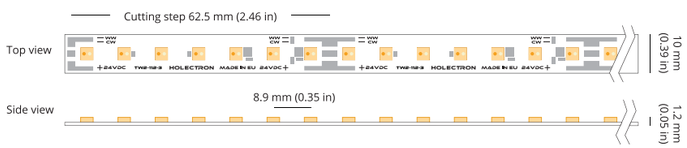
UL APPROVED

CE COMPLIANT

MADE IN EUROPE

5 YEAR WARRANTY

TECHNICAL DRAWING



ORDER CODE

Order code example: TW2-112-19/N3-827/865

Product:		Power:		Type:		Spectrum:
TW2-112	-		/	N3	-	

LUMEN VALUES

CRI 80+

		POWER													
		9,6 W/m	2.9 W/ft	14,4 W/m	4.4 W/ft	19,2 W/m	5.9 W/ft	24 W/m	7.3 W/ft	28,8 W/m	8.8 W/ft	33,4 W/m	10.2 W/ft	48 W/m	14.6 W/ft
SPECTRUM	KELVINS	9		14		19		24		28		33		48	
		lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft
827/865	2700-6500K	1377	419	-		2688	817	-		-		4524	1375	6405	1947
	EFFICACY	143 Lm/W				140 Lm/W						137 Lm/W		133 Lm/W	

*to find the full range of possible spectres visit our website www.holectron.com

ACCESSORIES

WIRING

CB-00-05-3	3-pin indoor cable 0,5mm² / 20 AWG

Disclaimer:
Technical data is subject to change without prior notice.

RGB & RGBW light | LED STRIPS

Paint your light

Our colorful LED strips are an excellent choice for decorative lighting solutions. These strips can create and switch room atmosphere in a blink of an eye by switching the color of lighting.

Our strips are manufactured using the highest quality electronic components. Advanced automated assembly machines ensure pinpoint accuracy across the assembly process. Every strip goes through multiple stage testing to ensure that it meets our exacting quality standards.

The result is a LED strip with exceptional lumen output for RGB light, that offers our customers intense colorful lighting for decorative applications.

RGB-48/O3 - RGB light

INDOOR FLEXIBLE LED STRIPS

Whether it is for decorative lighting or showcase illumination, these flexible LED strips are an excellent choice wherever colored lighting is needed. Containing 48 RGB LEDs per meter, they are designed for long-term professional colored lighting applications.

These strips offer an extra-long lifetime combined with stable performance. This is achieved through the combination of a copper PCB and a current stabilization system. Furthermore, special thermally conductive tape on the back guarantees perfect heat transfer to the mounting surface.

The result is a high quality, colored light that offers extra-long lifetime, durability and flexibility.

TECHNICAL DATA

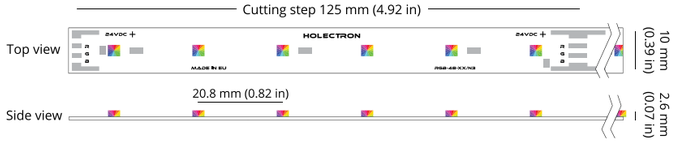
LEDs per meter	48 LEDs/M	15 LEDs/ft
Voltage	24 VDC (22.5 - 25 VDC)	
Tape width	10 mm	0.39"
Cutting step	125 mm	4.92"
Tc temperature	<75° C	<167° F
Operating temperature	-25°C...+50°C	-13°F...122°F
Beam angle	120°	
Dimmable	YES	
Strip length per reel	10 m or 50 m	32' or 164'

MAXIMUM RUN

8W	5 m	16'
14W	4,5 m	15'

LM80	OSRAM			
TESTED	HIGH QUALITY LED	STABILIZED CURRENT	3-STEP MACADAM	
UL APPROVED	CE COMPLIANT	MADE IN EUROPE	5 YEAR WARRANTY	

TECHNICAL DRAWING



ORDER CODE

Order code example: RGB-48-14/O3

Product:		Power:		Type:
RGB-48	-		/	O3

LUMEN VALUES

RGB

	POWER													
	8,6 W/m	2.6 W/ft	14,4 W/m	4.4 W/ft	17,3 W/m	5.3 W/ft	24 W/m	7.3 W/ft	28,8 W/m	8.8 W/ft	33,4 W/m	10.2 W/ft	48 W/m	14.6 W/ft
COLOR	8		14		17		24		28		33		48	
	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft
RED	55	17	92	28	-		-		-		-		-	
GREEN	189	58	315	96	-		-		-		-		-	
BLUE	40	12	67	20	-		-		-		-		-	
TOTAL RGB LUMINOUS FLUX	284	87	474	144	-		-		-		-		-	
EFFICACY	33 lm/W		33 lm/W											

ACCESSORIES

WIRING

CB-00-05-4	4-pin indoor cable 0,5mm² / 20 AWG

Disclaimer:
Technical data is subject to change without prior notice.

RGB-96/O3 - RGB light

INDOOR FLEXIBLE LED STRIPS

Offering a combination of higher density and shorter cutting step, these LED strips are well-suited for decorative lighting. Containing 96 LEDs per meter, they are a powerful long-term solution wherever a colorful light effect is needed.

A combination of quality components, smart design solutions, and pinpoint production ensure the stable performance and extra-long life of these strips. A flexible copper printed circuit board (PCB) with integrated current stabilization system provides the base for the LEDs, and heat-conducting adhesive tape ensures perfect heat transfer to the mounting surface.

Built for smooth colored lighting, these strips will offer quality and performance across a range of applications.

TECHNICAL DATA

LEDs per meter	96 LEDs/M	29 LEDs/ft
Voltage	24 VDC (22.5 - 25 VDC)	
Tape width	10 mm	0.39"
Cutting step	62.5 mm	2.46"
Tc temperature	<75° C	<167° F
Operating temperature	-25°C...+50°C	-13°F...122°F
Beam angle	120°	
Dimmable	YES	
Strip length per reel	10 m or 50 m	32' or 164'

MAXIMUM RUN

17W	4 m	13'
28W	3 m	10'

LM80 TESTED

OSRAM HIGH QUALITY LED

STABILIZED CURRENT

3-STEP MACADAM

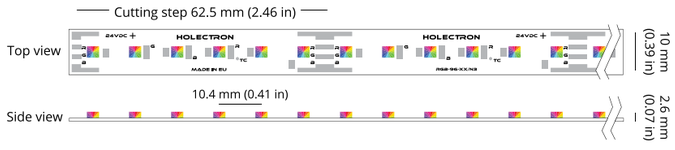
UL APPROVED

CE COMPLIANT

MADE IN EUROPE

5 YEAR WARRANTY

TECHNICAL DRAWING



ORDER CODE

Order code example: RGB-96-28/O3

Product:		Power:		Type:
RGB-96	-		/	O3

LUMEN VALUES

RGB

	POWER													
	8,6 W/m	2.6 W/ft	14,4 W/m	4.4 W/ft	17,3 W/m	5.3 W/ft	24 W/m	7.3 W/ft	28,8 W/m	8.8 W/ft	33,4 W/m	10.2 W/ft	48 W/m	14.6 W/ft
COLOR	8		14		17		24		28		33		48	
	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft
RED	-		-		110	34	-		184	56	-		-	
GREEN	-		-		378	115	-		630	192	-		-	
BLUE	-		-		80	24	-		134	41	-		-	
TOTAL RGB LUMINOUS FLUX	-		-		568	173	-		948	289	-		-	
EFFICACY					33 lm/W				33 lm/W					

ACCESSORIES

WIRING

CB-00-05-4	4-pin indoor cable 0,5mm² / 20 AWG

Disclaimer:
Technical data is subject to change without prior notice.

RGBW-48/O3 -RGBW light

INDOOR FLEXIBLE LED STRIPS

Whenever it is needed to change from general to decorative lighting in a blink of an eye, these LED strips are an excellent choice. Containing 48 RGB and 48 white OSRAM LEDs per meter, they are designed to light up always changing environments.

These strips offer an exceptional RGB light output combined with excellent white light performance. This is achieved through the combination of a copper PCB, high-end LEDs and a current stabilization system. Furthermore, special thermally conductive tape on the back guarantees perfect heat transfer to the mounting surface.

The result is a long-lasting LED strip that offers versatility in constantly changing environments.

TECHNICAL DATA

LEDs per meter	48 RGB + 48 white LEDs/m	15 RGB + 15 white LEDs/ft
Voltage	24 VDC (22.5 - 25 VDC)	
Tape width	11,5 mm	0.45"
Cutting step	125 mm	4.92"
Tc temperature	<75° C	<167° F
Operating temperature	-25°C...+50°C	-13°F...122°F
Beam angle	120°	
Dimmable	YES	
Strip length per reel	10 m or 50 m	32' or 164'

MAXIMUM RUN

14W	4,5 m	15'
19W	4 m	13'
24W	3,5 m	10'

LM80 TESTED

OSRAM HIGH QUALITY LED

STABILIZED CURRENT

3-STEP MACADAM

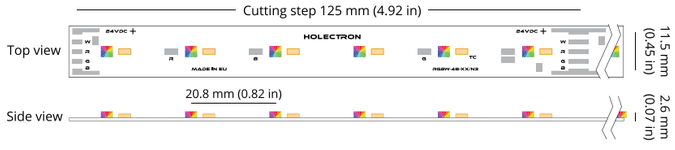
UL APPROVED

CE COMPLIANT

MADE IN EUROPE

5 YEAR WARRANTY

TECHNICAL DRAWING



ORDER CODE

Order code example: RGBW-48-19/O3-830

Product:		Power:		Type:		Spectrum:
RGBW-48	-		/	O3	-	

LUMEN VALUES

RGB

	POWER													
	8,6 W/m	2.6 W/ft	14,4 W/m	4.4 W/ft	19,2 W/m	5.9 W/ft	24 W/m	7.3 W/ft	28,8 W/m	8.8 W/ft	33,4 W/m	10.2 W/ft	48 W/m	14.6 W/ft
COLOR	8		14		19		24		28		33		48	
	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft
RED	-		55	14	92	28	92	28	-		-		-	
GREEN	-		189	49	315	96	315	96	-		-		-	
BLUE	-		40	10	67	20	67	20	-		-		-	
TOTAL RGB LUMINOUS FLUX	-		284	74	474	144	474	144	-		-		-	
EFFICACY			20 lm/W		25 lm/W		20 lm/W							

CRI 80+

		POWER															
		4,8 W/m	1.5 W/ft	9,6 W/m	2.9 W/ft	14,4 W/m	4.4 W/ft	19,2 W/m	5.9 W/ft	24 W/m	7.3 W/ft	28,8 W/m	8.8 W/ft	33,4 W/m	10.2 W/ft	48 W/m	14.6 W/ft
SPECTRUM	KELVINS	4		9		14		19		24		28		33		48	
		lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft
822	2200K					515	157	426	130	796	243						
825	2500K	-		-		572	174	474	144	881	269	-		-		-	
827	2700K	-		-		647	197	543	166	1021	311	-		-		-	
830	3000K	-		-		647	197	543	166	1021	311	-		-		-	
835	3500K	-		-		647	197	543	166	1021	311	-		-		-	
840	4000K	-		-		702	214	589	180	1108	338	-		-		-	
850	5000K	-		-		702	214	589	180	1108	338	-		-		-	
865	6500K	-		-		702	214	589	180	1108	338	-		-		-	
	EFFICACY					49 lm/W		31 lm/W		46 lm/W							

CRI 90+

		POWER															
		4,8 W/m	1.5 W/ft	9,6 W/m	2.9 W/ft	14,4 W/m	4.4 W/ft	19,2 W/m	5.9 W/ft	24 W/m	7.3 W/ft	28,8 W/m	8.8 W/ft	33,4 W/m	10.2 W/ft	48 W/m	14.6 W/ft
SPECTRUM	KELVINS	4		9		14		19		24		28		33		48	
		lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft
922	2200K	-		-		499	152	359	109	673	205	-		-		-	
927	2700K	-		-		499	152	383	117	719	219	-		-		-	
930	3000K	-		-		533	162	390	119	726	221	-		-		-	
935	3500K	-		-		540	165	399	122	740	226	-		-		-	
940	4000K	-		-		551	168	420	128	790	241	-		-		-	
950	5000K	-		-		564	172	446	136	835	255	-		-		-	
965	6500K	-		-		552	168	422	129	789	240	-		-		-	
	EFFICACY					39 lm/W		23 lm/W		35 lm/W							

ACCESSORIES

WIRING

CB-00-05-5	5-pin indoor cable 0,5mm² / 20 AWG

Disclaimer:
Technical data is subject to change without prior notice.

The easiest to install

The Ula indoor range provides lighting designers with stylish, easy-to-install surface mounted lighting for a range of everyday applications.

Because Ula is compatible will all Holectron LED strips and available in three size profiles, it is incredibly versatile: you can use it for general, cove and accent lighting, and much more.

Lighting designers love Ula for the quality final result it gives – the "H" shape profile means, that connectors remain hidden within the profile, while brackets are invisible after installation. Individual modules can be seamlessly connected for continuous lighting in long runs.

And the Ula range is a favorite with installation crews as well, thanks to its quick, simple installation.

Order code explained

ULA S	FUL	TW-56	-	19	/	N3	-	820/865	PW	L1000
FAMILY NAME Main information describing basis of the product	SEGMENT TYPE Determines how segment connects with other segments	LIGHT ENGINE Determines what LED strip will be used in the product		POWER LED strip wattage per meter		TYPE LED manufacturer & LED strip generation code		SPECTRUM Code for required Color rendering index and Color temperature	HOUSING COLOR Color of segment body	LENGTH Length of segment

Ula S - clear

INDOOR MODULAR LED LIGHT SYSTEMS

Ideal for use in cove lighting, Ula S is a modular linear LED light with a clear cover. The Ula S is designed for long-term indoor professional lighting applications, and comes fitted with the highest quality LEDs. These LEDs have a wide range of Color rendering index (CRI) and Color temperature (CCT) options to choose from.

Each module has integrated connectors for easy, reliable connection to other modules.
And because these connectors are hidden inside the module, the effect is a seamless line of lighting.

TECHNICAL DATA

Cover	Clear / Opal (available on request)
Light engine	Any LED strip up to 24 W/m
Beam angle	107°
Connection	Imput: plug; Output: socket
Light output ratio (LOR)	88%
Dimmable	YES
Voltage	24 VDC (22.5 - 25 VDC)

SEGMENT TYPES

STANDALONE

Luminaire - LUM
Endcaps at both ends

CONTINUOUS LINE

Start module - STA
Endcap at the start

Middle module - MID
No endcaps

End module - END
Endcap at the end

Full module - FUL
Endcaps at both ends

L90B10
>60 000 HOURS

NICHIA
HIGHEST QUALITY LED

STABILIZED CURRENT

3-STEP MACADAM

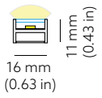
UL APPROVED

CE COMPLIANT

MADE IN EUROPE

5 YEAR WARRANTY

TECHNICAL DRAWING



HOUSING COLORS

Gray - AG

White - PW

Black - PB

Custom (RAL)

ORDER CODE

Order code example: ULA S LUM FL-56-9/N3-830 AG L2000

Product:	Segment type:	Light engine		Power:		Type:		Spectrum:	Housing color:	Length:
ULA S			-		/		-			

Segment type:		Light engine		Type:		Housing color:		Length:	
LUM	individual	FL-56	white	N3	white	AG	Gray	L125	125 mm
STA	first segment	TW-56	tunable white	N3	tunable white	PW	Painted White	L250	250 mm
MID	middle segment	RGB-48	RGB	O3	RGB	PB	Painted Black	L500	500 mm
END	end segment							L1000	1000 mm
FUL	continous individual							L1500	1500 mm
								L2000	2000 mm
								L3000	3000 mm
								Lxxxx	Custom

LIGHT ENGINE

White

		POWER							
		4,8 W/m 1.5 W/ft	9,6 W/m 2.9 W/ft	14,4 W/m 4.4 W/ft	19,2 W/m 5.9 W/ft	24 W/m 7.3 W/ft	28,8 W/m 8.8 W/ft	33,4 W/m 10.2 W/ft	48 W/m 14.6 W/ft
SPECTRUM	KELVINS	4	9	14	19	24	28	33	48
820/822/825/827/830/	CRI 80+	455-711 lm/m	907-1381	1313-1996	1720-2629	2093-3206	-	-	-
835/840/850/857/865	2000-6500K	139-217 lm/ft	277-421	400-608	524-801	638-977	-	-	-
920/922/925/927/930/	CRI 90+	381-612 lm/m	734-1191	1053-1711	1377-2239	1670-2721	-	-	-
935/940/950/957/965	2000-6500K	116-187 lm/ft	224-363	321-521	420-682	509-829	-	-	-
027/030/035/040/050	CRI 95+	463-524 lm/m	860-981	1216-1394	1585-1822	1925-2217	-	-	-
	2700-5000K	141-160 lm/ft	262-299	371-425	483-555	587-676	-	-	-
Cutting step: 125 mm	EFFICACY	148 lm/W	144 lm/W	139 lm/W	137 lm/W	134 lm/W			
	MAX RUN	10 m 33'	5 m 16'	4 m 13'	3 m 10'	3 m 10'			

Tunable

		POWER							
		4,8 W/m 1.5 W/ft	9,6 W/m 2.9 W/ft	14,4 W/m 4.4 W/ft	19,2 W/m 5.9 W/ft	24 W/m 7.3 W/ft	28,8 W/m 8.8 W/ft	33,4 W/m 10.2 W/ft	48 W/m 14.6 W/ft
SPECTRUM	KELVINS	4	9	14	19	24	28	33	48
820/865 825/857	CRI 80+	-	1141-1341 lm/m	-	2240-2637	-	-	-	-
827/857 827/850	2000-5000K	-	348-409 lm/ft	-	683-804	-	-	-	-
920/965 925/957	CRI 90+	-	986-1156 lm/m	-	1910-2246	-	-	-	-
927/950	2000-5000K	-	300-352 lm/ft	-	582-685	-	-	-	-
Cutting step: 125 mm	EFFICACY		140 lm/W		137 lm/W				
	MAX RUN		8,5 m 27'		5,5 m 18'				

Custom color temperatures ranges available on request.

RGB

		POWER							
		4,8 W/m 1.5 W/ft	8,6 W/m 2.6 W/ft	14,4 W/m 4.4 W/ft	17,3 W/m 5.3 W/ft	24 W/m 7.3 W/ft	28,8 W/m 8.8 W/ft	33,4 W/m 10.2 W/ft	48 W/m 14.6 W/ft
SPECTRUM	COLOR	4	8	14	17	24	28	33	48
RGB	Red	-	48 lm/m 15 lm/ft	81 21	97 30	-	162 49	-	-
	Green	-	166 lm/m 51 lm/ft	277 72	333 101	-	554 169	-	-
	Blue	-	35 lm/m 11 lm/ft	59 15	70 21	-	118 36	-	-
	Total	-	250 lm/m 76 lm/ft	417 108	500 152	-	834 254	-	-
Cutting step: 125 mm	EFFICACY		29 lm/W	29 lm/W	29 lm/W		29 lm/W		
	MAX RUN		5 m 16'	4,5 m 15'	4 m 13'		3 m 10'		

Disclaimer:
Technical data is subject to change without prior notice.

Ula M - opal

INDOOR MODULAR LED LIGHT SYSTEMS

Thanks to its opal cover design, the Ula M can create a continuous light effect with no dark spots, making it ideal for direct lighting.

This modular linear LED light is designed for long-term indoor lighting applications and comes fitted with the highest quality LEDs. These LEDs have a wide range of Color temperature (CCT) and Color rendering index (CRI) options to choose from.

Integrated connectors are hidden inside each module. This provides for discrete, straight-forward and reliable module connection to create a seamless line of lighting.

TECHNICAL DATA

Cover	Opal / Clear (available on request)
Light engine	Any LED strip up to 24 W/m
Beam angle	113°
Connection	Imput: plug; Output: socket
Light output ratio (LOR)	48%
Dimmable	YES
Voltage	24 VDC (22.5 - 25 VDC)

SEGMENT TYPES

STANDALONE

Luminaire - LUM
Endcaps at both ends

CONTINUOUS LINE

Start module - STA
Endcap at the start

Middle module - MID
No endcaps

End module - END
Endcap at the end

Full module - FUL
Endcaps at both ends

L90B10 — >60 000 HOURS
NICHIA — HIGHEST QUALITY LED
STABILIZED CURRENT
3-STEP MACADAM
UL APPROVED
CE COMPLIANT
MADE IN EUROPE
5 YEAR WARRANTY

TECHNICAL DRAWING

HOUSING COLORS

Gray - AG

White - PW

Black - PB

Custom (RAL)

ORDER CODE

Order code example: ULA M LUM FL-112-9/N3-830 AG L2000

Product:	Segment type:	Light color:		Power:		Type:		Spectrum:	Housing color:	Length:
ULA M			-		/		-			

Segment type:
- LUM individual
- STA first segment
- MID middle segment
- END end segment
- FUL continuous individual

Light color:
- FL-112 white
- RGB-96 RGB

Type:
- N3 white
- O3 RGB

Housing color:
- AG Gray
- PW Painted White
- PB Painted Black

Length:
- L125 125 mm
- L250 250 mm
- L500 500 mm
- L1000 1000 mm
- L1500 1500 mm
- L2000 2000 mm
- L3000 3000 mm
- Lxxxx Custom

LIGHT ENGINE

White

		POWER							
		4,8 W/m 1.5 W/ft	9,6 W/m 2.9 W/ft	14,4 W/m 4.4 W/ft	19,2 W/m 5.9 W/ft	24 W/m 7.3 W/ft	28,8 W/m 8.8 W/ft	33,4 W/m 10.2 W/ft	48 W/m 14.6 W/ft
SPECTRUM	KELVINS	4	9	14	19	24	28	33	48
820/822/825/827/830/	CRI 80+	243-392 lm/m	491-767	728-1118	977-1486	1204-1826	-	-	-
835/840/850/857/865	2000-6500K	74-119 lm/ft	150-234	222-341	298-453	367-557	-	-	-
920/922/925/927/930/	CRI 90+	210-335 lm/m	411-660	597-964	791-1281	970-1570	-	-	-
935/940/950/957/965	2000-6500K	64-102 lm/ft	125-201	182-294	241-390	296-479	-	-	-
027/030/035/040/050	CRI 95+	268-301 lm/m	499-565	708-806	924-1056	1164-1332	-	-	-
	2700-5000K	82-92 lm/ft	152-172	216-246	282-322	355-406	-	-	-
Cutting step: 125 mm	EFFICACY	82 lm/w	80 lm/w	78 lm/w	77 lm/w	76 lm/w			
	MAX RUN	14 m 46'	7 m 23'	4 m 15'	3,5 m 11'	3 m 10'			

RGB

		POWER									
		4,8 W/m 1.5 W/ft	8,6 W/m 2.6 W/ft	14,4 W/m 4.4 W/ft	17,3 W/m 5.3 W/ft	24 W/m 7.3 W/ft	28,8 W/m 8.8 W/ft	33,4 W/m 10.2 W/ft	48 W/m 14.6 W/ft
SPECTRUM	COLOR	4	8	14	17	24	28	33	48
RGB	Red	-	-	-	53 lm/m 16 lm/ft	-	88 27	-	-
	Green	-	-	-	181 lm/m 55 lm/ft	-	302 92	-	-
	Blue	-	-	-	38 lm/m 12 lm/ft	-	64 20	-	-
	Total	-	-	-	273 lm/m 83 lm/ft	-	455 139	-	-
Cutting step: 125 mm	EFFICACY				16 lm/W		16 lm/W		
	MAX RUN				4 m 13'		3 m 10'		

Disclaimer:
Technical data is subject to change without prior notice.

Ula L - opal

INDOOR MODULAR LED LIGHT SYSTEMS

The Ula L is a large scale modular linear LED light suitable for a wide range of general lighting applications. It features an opal cover for continuous lighting and 48 W/m of power, plus drivers can be fitted into the extrusion.

Designed for long-term indoor use, these modular lights are perfectly suited to continuous line lighting where a wide line and/or a high lumen output is required. Modules can be connected quickly and securely thanks to their integrated connectors, which are hidden inside the modules for a seamless and professional visual effect.

TECHNICAL DATA

Cover	Opal / Clear (available on request)
Light engine	Any LED strip up to 48 W/m
Beam angle	111°
Connection	Imput: plug; Output: socket
Light output ratio (LOR)	52%
Dimmable	YES
Voltage	24 VDC (22.5 - 25 VDC)

SEGMENT TYPES

STANDALONE

Luminaire - LUM
Endcaps at both ends

CONTINUOUS LINE

Start module - STA
Endcap at the start

Middle module - MID
No endcaps

End module - END
Endcap at the end

Full module - FUL
Endcaps at both ends

L90B10
>60 000 HOURS

NICHIA
HIGHEST QUALITY LED

STABILIZED CURRENT

3-STEP MACADAM

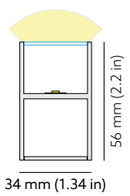
UL APPROVED

CE COMPLIANT

MADE IN EUROPE

5 YEAR WARRANTY

TECHNICAL DRAWING



HOUSING COLORS

Gray - AG

White - PW

Black - PB

Custom (RAL)

ORDER CODE

Order code example: ULA L LUM FL-56-9/N3-830 AG L2000

Product:	Segment type:	Light color:		Power:		Type:		Spectrum:	Housing color:	Length:
ULA L			-		/		-			

Segment type:		Light color:		Type:		Housing color:		Length:	
LUM	individual	FL-56	white	N3	white	AG	Gray	L125	125 mm
STA	first segment	TW-56	tunable white	N3	tunable white	PW	Painted White	L250	250 mm
MID	middle segment	RGB-48	RGB	O3	RGB	PB	Painted Black	L500	500 mm
END	end segment	RGBW-48	RGBW	O3	RGBW			L1000	1000 mm
FUL	continuous individual							L1500	1500 mm
								L2000	2000 mm
								L3000	3000 mm
								Lxxxx	Custom

LIGHT ENGINE

White

		POWER							
		4,8 W/m 1.5 W/ft	9,6 W/m 2.9 W/ft	14,4 W/m 4.4 W/ft	19,2 W/m 5.9 W/ft	24 W/m 7.3 W/ft	28,8 W/m 8.8 W/ft	33,4 W/m 10.2 W/ft	48 W/m 14.6 W/ft
SPECTRUM	KELVINS	4	9	14	19	24	28	33	48
820/822/825/827/830/	CRI 80+	269-420 lm/m	536-816	776-1179	1016-1554	1237-1894	-	1777-2706	2455-3756
835/840/850/857/865	2000-6500K	82-128 lm/ft	163-249	236-359	310-474	377-577	-	542-825	748-1145
920/922/925/927/930/	CRI 90+	225-362 lm/m	434-704	622-1011	814-1323	987-1608	-	1425-2312	1960-3188
935/940/950/957/965	2000-6500K	69-110 lm/ft	132-214	190-308	248-403	301-490	-	434-705	597-972
027/030/035/040/050	CRI 95+	274-310 lm/m	508-580	719-824	937-1076	1137-1310	-	1640-1882	2257-2602
	2700-6500K	83-94 lm/ft	155-177	219-251	285-328	347-399	-	500-574	688-793
Cutting step: 125 mm (62,5 mm for 33W, 48W)	EFFICACY	88 lm/W	85 lm/W	82 lm/W	81 lm/W	79 lm/W		81 lm/W	78 lm/W
	MAX RUN	10 m 33'	5 m 16'	4 m 13'	3 m 10'	3 m 10'		2 m 7'	1,5 m 5'

Tunable

			POWER							
			4,8 W/m 1.5 W/ft	9,6 W/m 2.9 W/ft	14,4 W/m 4.4 W/ft	19,2 W/m 5.9 W/ft	24 W/m 7.3 W/ft	28,8 W/m 8.8 W/ft	33,4 W/m 10.2 W/ft	48 W/m 14.6 W/ft
SPECTRUM		KELVINS	4	9	14	19	24	28	33	48
820/865	825/857	CRI 80+	-	674-792 lm/m	-	1323-1558	-	-	2218-2614	3095-3644
827/857	827/850	2000-6500K	-	206-242 lm/ft	-	403-475	-	-	676-797	943-1111
920/965	925/957	CRI 90+	-	582-683 lm/m	-	1128-1327	-	-	1881-2213	2610-3070
927/950		2000-6500K	-	178-208 lm/ft	-	344-404	-	-	573-674	795-936
Cutting step: 125 mm		EFFICACY		83 lm/W		114 lm/W			78 lm/W	76 lm/W
		MAX RUN		8,5 m 27'		5,5 m 18'			2m 8'	1,5 m 7'

RGB

		POWER											
		4,8 W/m 1.5 W/ft	8,6 W/m	2.6 W/ft	14,4 W/m 4.4 W/ft		17,3 W/m 5.3 W/ft		24 W/m 7.3 W/ft	28,8 W/m 8.8 W/ft		33,4 W/m 10.2 W/ft	48 W/m 14.6 W/ft
SPECTRUM	COLOR	4	8		14		17		24	28		33	48
			lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft		lm/m	lm/ft		
RGB	Red	-	29 lm/m	9 lm/ft	48	12	57	17	-	96	29	-	-
	Green	-	98 lm/m	30 lm/ft	164	42	197	60	-	328	100	-	-
	Blue	-	21 lm/m	6 lm/ft	35	9	42	13	-	70	21	-	-
	Total	-	148 lm/m	45 lm/ft	246	64	295	90	-	493	150	-	-
Cutting step: 125 mm	EFFICACY		17 lm/W		17 lm/W		17 lm/W			17 lm/W			
	MAX RUN		5 m 16'		4,5 m 15'		4 m 13'			3 m 10'			

RGBW

		POWER							
		4,8 W/m 1.5 W/ft	9,6 W/m 2.9 W/ft	14,4 W/m 4.4 W/ft	19,2 W/m 5.9 W/ft	24 W/m 7.3 W/ft	28,8 W/m 8.8 W/ft	33,4 W/m 10.2 W/ft	48 W/m 14.6 W/ft
SPECTRUM	KELVINS	4	9	14	19	24	28	33	48
822 / 825 / 827 / 830	CRI 80+	-	-	415-513 lm/m	468-553	660-823	-	-	-
835 / 840 / 850 / 865	2200-6500K	-	-	126-156 lm/ft	143-169	201-251	-	-	-
922 / 927 / 930 / 935	CRI 90+	-	-	407-441 lm/m	433-478	596-681	-	-	-
940 / 950 / 965	2200-6500K	-	-	124-134 lm/ft	132-146	182-208	-	-	-
Cutting step: 125 mm	EFFICACY			25 lm/W	16 lm/W	24 lm/W			
	MAX RUN			4,5 m 15'	4 m 13'	3,5 m 11'			

Disclaimer:
Technical data is subject to change without prior notice.

Accessories

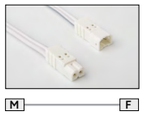
FOR ULA INDOOR MODULAR

SOCKET CONNECTORS

CODE	DESCRIPTION
CON-PH-TP-2F LXXX	2-pin socket
CON-PH-TP-3F LXXX	3-pin socket
CON-PH-TP-4F LXXX	4-pin socket
CON-PH-TP-5F LXXX	5-pin socket

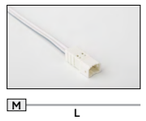
SOCKET/PLUG CONNECTORS

CODE	DESCRIPTION
CON-PH-TP-2M/2F LXXX	2-pin extention
CON-PH-TP-3M/3F LXXX	3-pin extention
CON-PH-TP-4M/4F LXXX	4-pin extention
CON-PH-TP-5M/5F LXXX	5-pin extention



PLUG CONNECTORS

CODE	DESCRIPTION
CON-PH-TP-2M LXXX	2-pin plug
CON-PH-TP-3M LXXX	3-pin plug
CON-PH-TP-4M LXXX	4-pin plug
CON-PH-TP-5M LXXX	5-pin plug



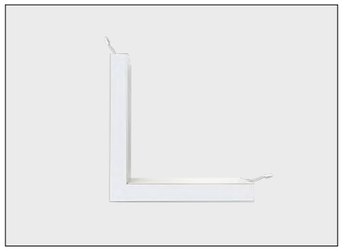
MOUNTING BRACKETS

CODE	DESCRIPTION
AH101.FIX	Mounting bracket (Ula S / M)
AH111.FIX	Mounting bracket (Ula L)

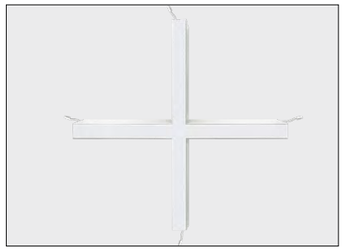
WIRE LENGTHS AVAILABLE

CODE	L150	L500	L1000	L2000
Length	150 mm	500 mm	1000 mm	2000 mm
	5.9 in	1 ft 8 in	3 ft 3 in	6 ft 6 in

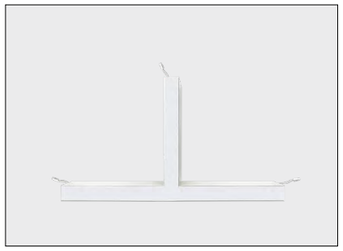
CORNER MODULES AVAILABLE FOR ULA L



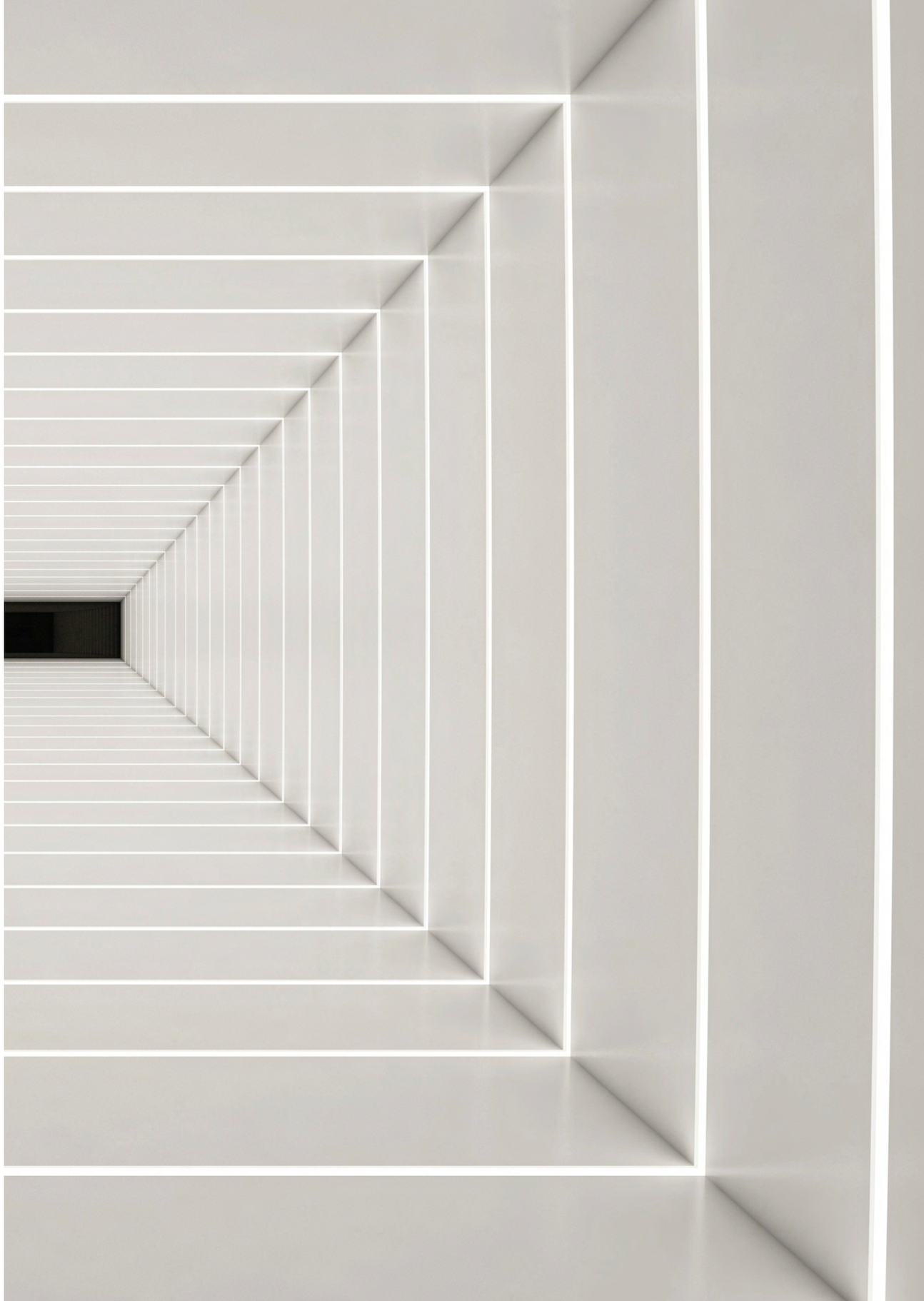
L-shaped



X-shaped



T-shaped



Slim as a fashion model

Highly customizable and featuring an ultra-slim design, the Neman luminaire is our flagship product.

Its sleek, modern design has been achieved without loss of light quality. This makes it an ideal choice for office spaces aiming for an ambitious contemporary design.

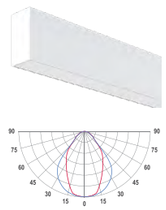
And the Neman offers all the versatility a lighting designer could ask for. It has multiple choices of finish and a range of covers. In terms of mounting, you can choose from direct/indirect, surface, pendant, recessed and trimless. With two power options, plus a number of sensors and spotlight and dimming add-ons, the Neman can be adapted to any given project to achieve just the right lighting effect.

Order code explained

NEMAN	S	STA	OP	PW	W27C	830	L1400	ND	131	0	EM
FAMILY NAME Main information describing basis of the product	MOUNTING Determines the way luminaire will be mounted to the ceilings	SEGMENT TYPE Determines how segment connects with other segments	COVER Determines what light diffuser is used to cover light engine	HOUSING COLOR Color of segment body	LIGHT SOURCE Determines what LED strip will be used in the product	SPECTRUM Code for required Color rendering index and Color temperature	LENGTH Length of segment	DIMMING Determines if dimming feature is required	SPOTLIGHT Determines type of spotlights installed	SENSOR Determines type of sensors installed	EMERGENCY BATTERY Determines type of emergency battery installed

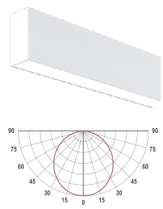
Neman - surface & pendant

INDIVIDUAL & CONTINUOUS LINE LUMINAIRES



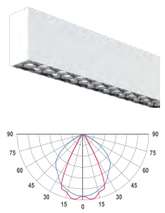
MICROPRISMATIC - MP

Low glare
Comfortable light



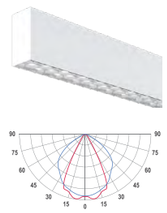
OPAL - OP

Diffused light
White line effect



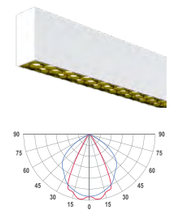
HONEYCOMB BLACK - HB

Very low glare
High comfort soft light



HONEYCOMB WHITE - HW

Very low glare
High comfort soft light



HONEYCOMB GOLD - HG

Very low glare
High comfort soft light

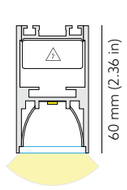
These small, stylish luminaires are designed to be mounted on ceilings, and provide a smart solution for office lighting, general lighting and indoor public lighting.
They can be used as stand-alone luminaires, or connected seamlessly to form a continuous line system for offices and retail spaces.
The Neman offers a UGR of less than 18, and uses an LED engine with a white color range of 2,700K – 4,000K and a high color rendering index (CRI) of CRI80+ or CRI90+. The Neman is available with standard output, or you can choose a high-output version.

TECHNICAL DATA

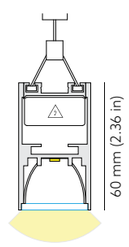
Housing	Powder coated aluminium	
LED type	Nichia LEDs, 3-Step MacAdam	
LED lumen maintenance	L90B10 > 60 000 h	
Electrical	220 - 240 V AC, internal driver	External driver for North American market
Suspension system (for pendant)	Silver coloured, length - 2 m	6.56′
Lead cable (for pendant)	Transparent, length - 2 m	6.56′

A++ ENERGY EFFICIENT
NICHIA HIGHEST QUALITY LED
3-STEP MACADAM
CE COMPLIANT
MADE IN EUROPE
5 YEAR WARRANTY

TECHNICAL DRAWING



34 mm (1.34 in)



34 mm (1.34 in)

HOUSING COLORS

Gray - AG
White - PW
Black - PB
Custom (RAL)

ORDER CODE

Order code example: NEMAN P LUM OP PW W27C 830 L840 DALI

Product:	Mounting:	Segment type:	Optics:	Housing color:	Light source:	Spectrum:	Length:	Dimming:	Spot:	Sensor:	Emerg:
NEMAN									000	0	0
	S Surface P Pendant	LUM individual STA first segm. MID middle segm. END end segm.	MP Microprism OP Opal HB Honey-Black HW Honey-White HG Honey-Gold	PW White PG Gray PB Black	W17C Standard W27C High output				fill only if ordering these features		

SEGMENT TYPE

INDIVIDUAL LUMINAIRE

Luminaire - LUM
Endcaps at both ends

CONTINUOUS LINE MODULES

Start module - STA
Endcap at the start

Middle module - MID
No endcaps

End module - END
Endcap at the end

LUMEN VALUES

White

	SPECTRUM	KELVINS	OPAL STANDARD lm/m	OPAL STANDARD lm/ft	OPAL HIGH OUTPUT lm/m	OPAL HIGH OUTPUT lm/ft	MICROPRISMATIC STANDARD lm/m	MICROPRISMATIC STANDARD lm/ft	MICROPRISMATIC HIGH OUTPUT lm/m	MICROPRISMATIC HIGH OUTPUT lm/ft	HONEYCOMB STANDARD lm/m	HONEYCOMB STANDARD lm/ft	HONEYCOMB HIGH OUTPUT lm/m	HONEYCOMB HIGH OUTPUT lm/ft
CRI 80+	827	2700K	1933	589	3292	1003	1946	593	3315	1010	1443	440	2459	750
	830	3000K	1990	607	3391	1034	2004	611	3415	1041	1486	453	2533	772
	835	3500K	2037	621	3469	1057	2051	625	3494	1065	1521	464	2591	790
	840	4000K	2042	622	3480	1061	2056	627	3504	1068	1525	465	2599	792
CRI 90+	927	2700K	1602	488	2740	835	1613	492	2759	841	1196	365	2047	624
	930	3000K	1649	503	2818	859	1660	506	2838	865	1231	375	2105	642
	935	3500K	1688	515	2886	880	1700	518	2906	886	1261	384	2155	657
	940	4000K	1706	520	2915	888	1718	524	2935	895	1274	388	2177	664
CRI 95+	027	2700K	1295	395	2214	675	1304	397	2229	679	967	295	1654	504
	030	3000K	1323	403	2261	689	1332	406	2277	694	988	301	1689	515
Contact factory	035	3500K	1352	412	2310	704	1361	415	2326	709	1010	308	1726	526
for CRI95+	040	4000K	1370	418	2339	713	1380	421	2355	718	1023	312	1747	532
		EFFICACY	109 Lm/W		113 Lm/W		110 Lm/W		114 Lm/W		82 Lm/W		84 Lm/W	

LENGTHS AND POWERS

CODE	LENGTH		STANDARD OUTPUT	HIGHT OUTPUT
L560	560 mm	1' 10"	10W	17W
L840	840 mm	2' 9"	16W	26W
L1120	1120 mm	3' 8"	21W	35W
L1400	1400 mm	4' 7"	26W	43W
L1680	1680 mm	5' 6"	31W	52W

CODE	LENGTH		STANDARD OUTPUT	HIGHT OUTPUT
L1960	1940 mm	6' 4"	37W	60W
L2240	2240 mm	7' 4"	42W	69W
L2520	2520 mm	8' 3"	47W	78W
L2800	2800 mm	9' 2"	52W	86W
L3080	3080 mm	10' 1"	57W	95W

DIMMING

ND	no dimming
DALI	DALI / PushDIM dimmable

SENSORS - DAYLIGHT/PRESENCE

0	no sensor
SENSDALI	sensor DALI
SENSDIM	sensor DIM
SENSONOFF	sensor On/Off

SPOTLIGHTS

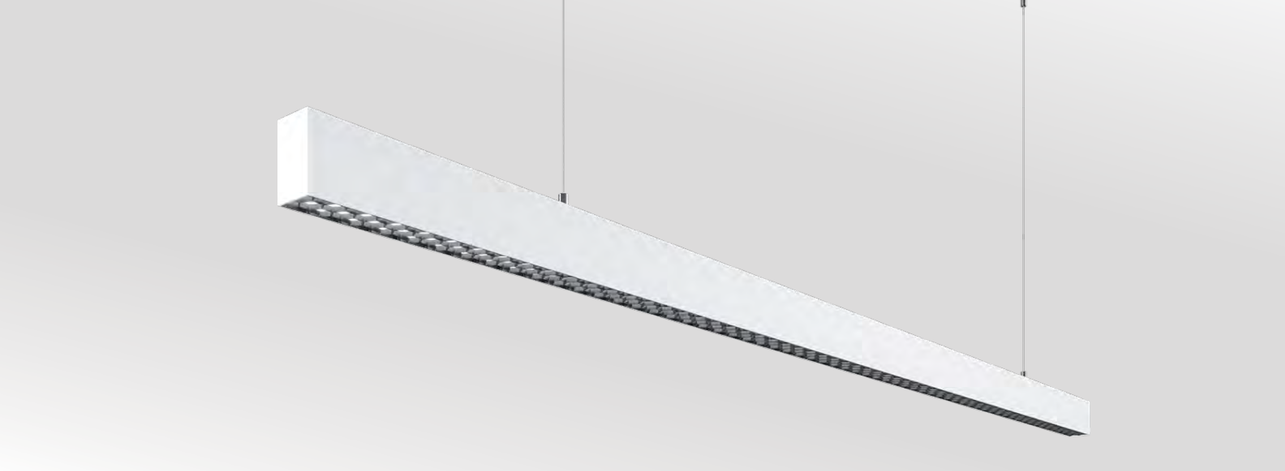
000	no spotlights
111	1 spot on a single side
112	2 spots on a single side
121	1 spot on each side
122	2 spots on each side
131	1 spot in the middle
132	2 spots in the middle

EMERGENCY BATTERY

0	no emergency
EM	emergency 1h

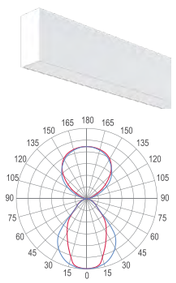
For detailed sensor, spotlight and emergency battery options see page 71

Disclaimer:
Technical data is subject to change without prior notice.



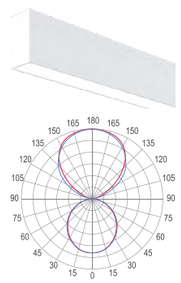
Neman - pendant direct/indirect

INDIVIDUAL & CONTINUOUS LINE LUMINAIRES



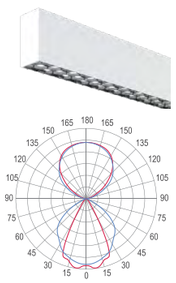
MICROPRISMATIC - MP

Low glare
Comfortable light



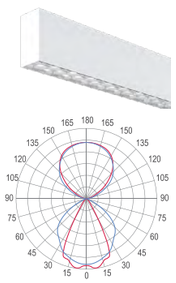
OPAL - OP

Diffused light
White line effect



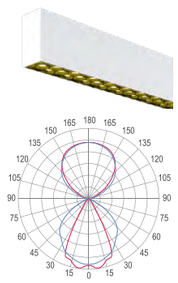
HONEYCOMB BLACK - HB

Very low glare
High comfort soft light



HONEYCOMB WHITE - HW

Very low glare
High comfort soft light



HONEYCOMB GOLD - HG

Very low glare
High comfort soft light

The Neman Pendant Direct/Indirect luminaire offers a creative and stylish lighting solution for office, general, and indoor public lighting. The up light it emits provides general illumination through light reflect off the ceiling. The downlight provides excellent task lighting, offering a low-glare beam of light perfectly suite for working illumination.
These small, slim luminaires boast a UGR of less than 18 and having dimming options in order to create the desired lighting effect..

TECHNICAL DATA

Housing	Powder coated aluminium	
LED type	Nichia LEDs, 3-Step MacAdam	
LED lumen maintenance	L90B10 > 60 000 h	
Electrical	220 - 240 V AC, internal driver	External driver for North American market
Suspension system	Silver coloured, length - 2 m	6.56'
Lead cable	Transparent, length - 2 m	6.56'

A++ ENERGY EFFICIENT

NICHIA HIGHEST QUALITY LED

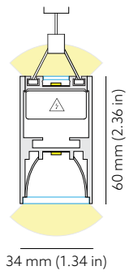
3-STEP MACADAM

CE COMPLIANT

MADE IN EUROPE

5 YEAR WARRANTY

TECHNICAL DRAWING



HOUSING COLORS

Gray - AG

White - PW

Black - PB

Custom (RAL)

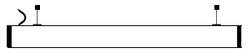
ORDER CODE

Order code example: NEMAN P LUM OP PW W27C/W13C 830 L840 DALI

Product:	Mounting:	Segment type:	Optics:	Housing color:	Light source:	Spectrum:	Length:	Dimming:	Spot:	Sensor:	Emerg:
NEMAN	P								000	0	0
		LUM individual STA first segm. MID middle segm. END end segm.	MP Microprism OP Opal HB Honey-Black HW Honey-White HG Honey-Gold	PW White PG Gray PB Black	W17C/W17C Standard W27C/W13C High output				fill only if ordering these features		

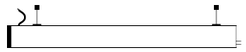
SEGMENT TYPE

INDIVIDUAL LUMINAIRE

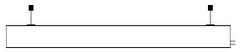


Luminaire - LUM
Endcaps at both ends

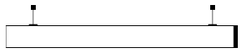
CONTINUOUS LINE MODULES



Start module - STA
Endcap at the start



Middle module - MID
No endcaps



End module - END
Endcap at the end

LUMEN VALUES

White

			OPAL				MICROPRISMATIC				HONEYCOMB			
	SPECTRUM	KELVINS	STANDARD		HIGH OUTPUT		STANDARD		HIGH OUTPUT		STANDARD		HIGH OUTPUT	
			lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft
CRI 80+	827	2700K	3865	1178	4959	1512	3892	1186	4994	1522	2887	880	3704	1129
	830	3000K	3980	1213	5108	1557	4008	1222	5143	1568	2973	906	3815	1163
	835	3500K	4074	1242	5228	1593	4102	1250	5264	1604	3043	928	3904	1190
	840	4000K	4084	1245	5241	1597	4113	1254	5277	1608	3050	930	3914	1193
CRI 90+	927	2700K	3204	977	4128	1258	3226	983	4157	1267	2393	729	3083	940
	930	3000K	3297	1005	4246	1294	3321	1012	4275	1303	2463	751	3171	967
	935	3500K	3376	1029	4347	1325	3399	1036	4378	1334	2521	768	3247	990
	940	4000K	3412	1040	4391	1338	3436	1047	4422	1348	2548	777	3280	1000
CRI 95+	027	2700K	2589	789	3337	1017	2607	795	3360	1024	1934	589	2492	760
	030	3000K	2646	807	3407	1038	2665	812	3431	1046	1976	602	2545	776
Contact factory	035	3500K	2704	824	3480	1061	2723	830	3504	1068	2019	615	2599	792
for CRI98+	040	4000K	2740	835	3524	1074	2759	841	3549	1082	2047	624	2632	802
DIRECT/INDIRECT PROPORTION			46% / 54%		62% / 38%		46% / 54%		62% / 38%		38% / 62%		55% / 45%	
EFFICACY			109 Lm/W		113 Lm/W		110 Lm/W		114 Lm/W		82 Lm/W		85 Lm/W	

LENGTHS AND POWERS

CODE	LENGTH		STANDARD OUTPUT	HIGHT OUTPUT
L560	560 mm	1' 10"	21W	26W
L840	840 mm	2' 9"	31W	39W
L1120	1120 mm	3' 8"	42W	52W
L1400	1400 mm	4' 7"	52W	65W
L1680	1680 mm	5' 6"	63W	78W

CODE	LENGTH		STANDARD OUTPUT	HIGHT OUTPUT
L1960	1940 mm	6' 4"	73W	91W
L2240	2240 mm	7' 4"	84W	104W
L2520	2520 mm	8' 3"	94W	117W
L2800	2800 mm	9' 2"	104W	130W
L3080	3080 mm	10' 1"	115W	143W

DIMMING

ND	no dimming
DALI	DALI / PushDIM dimmable

SENSORS - DAYLIGHT/PRESENCE

0	no sensor
SensDALI	sensor DALI
SensDIM	sensor DIM
SensOnOff	sensor On/Off

SPOTLIGHTS

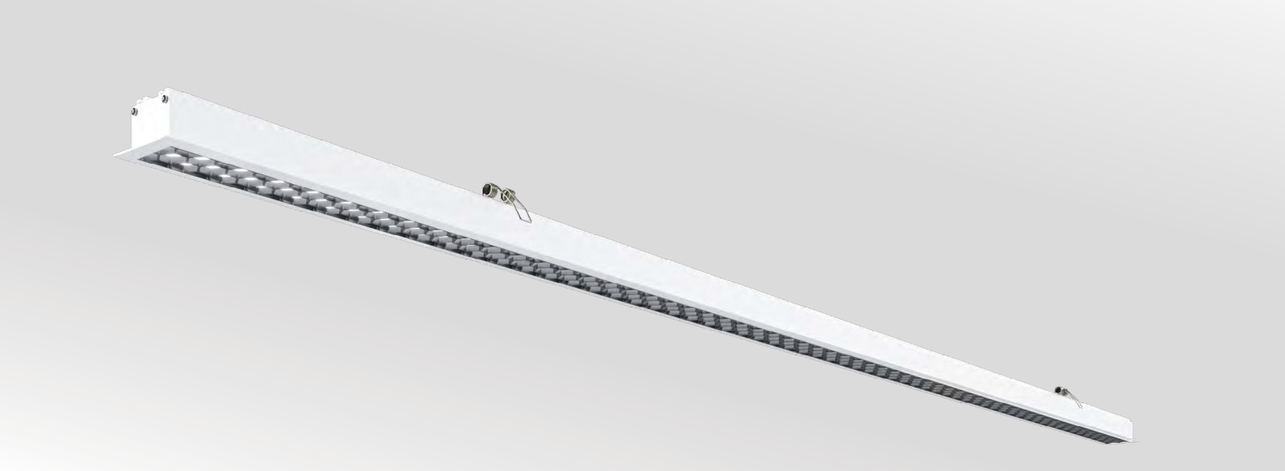
000	no spotlights
111	1 spot on a single side
112	2 spots on a single side
121	1 spot on each side
122	2 spots on each side
131	1 spot in the middle
132	2 spots in the middle

EMERGENCY BATTERY

0	no emergency
EM	emergency 1h

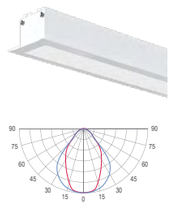
For detailed sensor, spotlight and emergency battery options see page 62

Disclaimer:
Technical data is subject to change without prior notice.

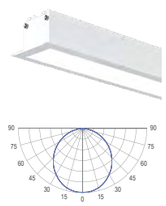


Neman - recessed

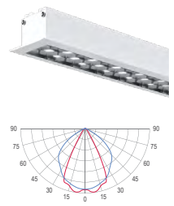
INDIVIDUAL & CONTINUOUS LINE LUMINAIRES



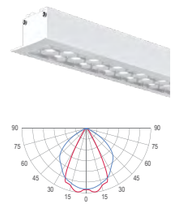
MICROPRISMATIC - MP
Low glare
Comfortable light



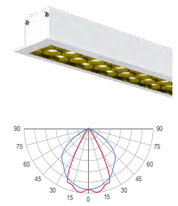
OPAL - OP
Diffused light
White line effect



HONEYCOMB BLACK - HB
Very low glare
High comfort soft light



HONEYCOMB WHITE - HW
Very low glare
High comfort soft light



HONEYCOMB GOLD - HG
Very low glare
High comfort soft light

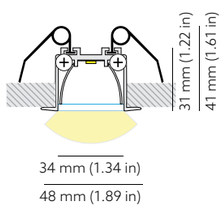
Simple to install and deployable as stand-alone luminaires or in a continuous line, the Neman Recessed is a smart, sophisticated option for lighting installed into ceilings and walls.
Because these small, sleek luminaires use holding springs, all that is required for installation is a recess to fit them into. Each luminaire features a UGR of less than 18.
Installed either as individual luminaires or in a line, the Neman Recessed is a versatile, modern lighting option for an office, general and indoor public lighting.

TECHNICAL DATA

Housing	Powder coated aluminium
LED type	Nichia LEDs, 3-Step MacAdam
LED lumen maintenance	L90B10 > 60 000 h
Electrical	220 - 240 V AC, external driver
Fitting	Easy to install due hodling springs

A++ ENERGY EFFICIENT
NICHIA HiGHEST QUALITY LED
3-STEP MACADAM
CE COMPLIANT
MADE IN EUROPE
5 YEAR WARRANTY

TECHNICAL DRAWING



HOUSING COLORS

Gray - AG
White - PW
Black - PB
Custom (RAL)

ORDER CODE

Order code example: NEMAN R LUM OP PW W27C/W13C 830 L840 DALI

Product:	Mounting:	Segment type:	Optics:	Housing color:	Light source:	Spectrum:	Length:	Dimming:	Spot:	Sensor:	Emerg:
NEMAN	R								000	0	0
		LUM individual STA first segm. MID middle segm. END end segm.	MP Microprism OP Opal HB Honey-Black HW Honey-White HG Honey-Gold	PW White PG Gray PB Black	W17C Standard W27C High output				fill only if ordering these features		

SEGMENT TYPE

INDIVIDUAL LUMINAIRE

Luminaire - LUM
Endcaps at both ends

CONTINUOUS LINE MODULES

Start module - STA
Endcap at the start

Middle module - MID
No endcaps

End module - END
Endcap at the end

LUMEN VALUES

White

			OPAL				MICROPRISMATIC				HONEYCOMB			
	SPECTRUM	KELVINS	STANDARD		HIGH OUTPUT		STANDARD		HIGH OUTPUT		STANDARD		HIGH OUTPUT	
			lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft
CRI 80+	827	2700K	1933	589	3292	1003	1946	593	3315	1010	1443	440	2459	750
	830	3000K	1990	607	3391	1034	2004	611	3415	1041	1486	453	2533	772
	835	3500K	2037	621	3469	1057	2051	625	3494	1065	1521	464	2591	790
	840	4000K	2042	622	3480	1061	2056	627	3504	1068	1525	465	2599	792
CRI 90+	927	2700K	1602	488	2740	835	1613	492	2759	841	1196	365	2047	624
	930	3000K	1649	503	2818	859	1660	506	2838	865	1231	375	2105	642
	935	3500K	1688	515	2886	880	1700	518	2906	886	1261	384	2155	657
	940	4000K	1706	520	2915	888	1718	524	2935	895	1274	388	2177	664
CRI 95+	027	2700K	1295	395	2214	675	1304	397	2229	679	967	295	1654	504
	030	3000K	1323	403	2261	689	1332	406	2277	694	988	301	1689	515
Contact factory	035	3500K	1352	412	2310	704	1361	415	2326	709	1010	308	1726	526
for CRI98+	040	4000K	1370	418	2339	713	1380	421	2355	718	1023	312	1747	532
		EFFICACY	109 Lm/W		113 Lm/W		110 Lm/W		114 Lm/W		82 Lm/W		84 Lm/W	

LENGTHS AND POWERS

CODE	LENGTH		STANDARD OUTPUT	HIGHT OUTPUT
L560	560 mm	1' 10"	10W	17W
L840	840 mm	2' 9"	16W	26W
L1120	1120 mm	3' 8"	21W	35W
L1400	1400 mm	4' 7"	26W	43W
L1680	1680 mm	5' 6"	31W	52W

CODE	LENGTH		STANDARD OUTPUT	HIGHT OUTPUT
L1960	1940 mm	6' 4"	37W	60W
L2240	2240 mm	7' 4"	42W	69W
L2520	2520 mm	8' 3"	47W	78W
L2800	2800 mm	9' 2"	52W	86W
L3080	3080 mm	10' 1"	57W	95W

DIMMING

ND	no dimming
DALI	DALI / PushDIM dimmable

SENSORS - DAYLIGHT/PRESENCE

0	no sensor
SensDALI	sensor DALI
SensDIM	sensor DIM
SensOnOff	sensor On/Off

SPOTLIGHTS

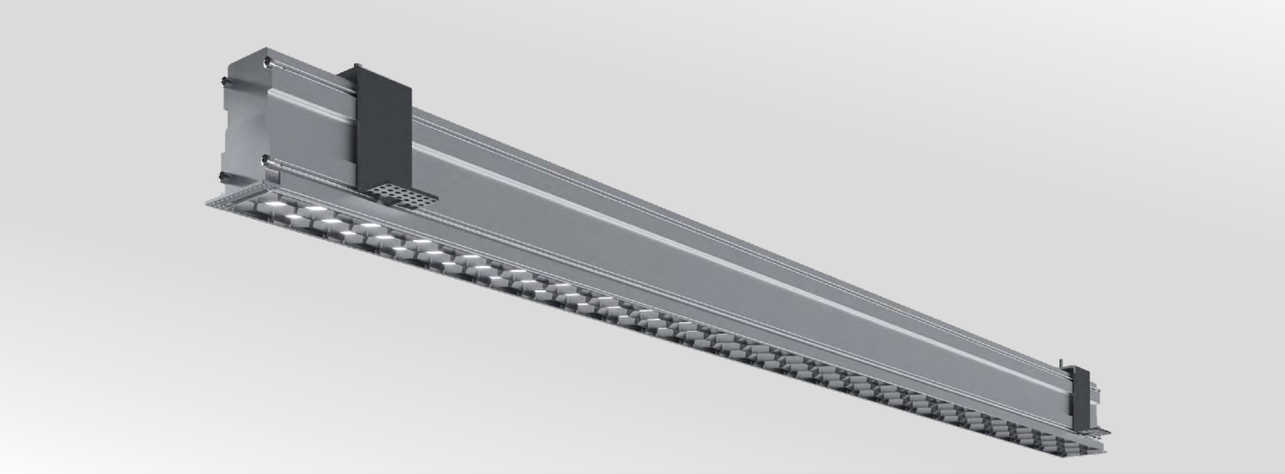
000	no spotlights
111	1 spot on a single side
112	2 spots on a single side
121	1 spot on each side
122	2 spots on each side
131	1 spot in the middle
132	2 spots in the middle

EMERGENCY BATTERY

0	no emergency
EM	emergency 1h

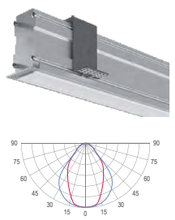
For detailed sensor, spotlight and emergency battery options see page 62

Disclaimer:
Technical data is subject to change without prior notice.

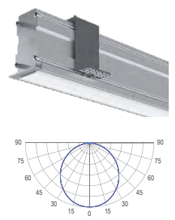


Neman - trimless

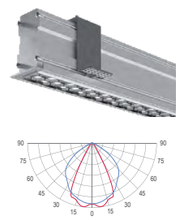
INDIVIDUAL & CONTINUOUS LINE LUMINAIRES



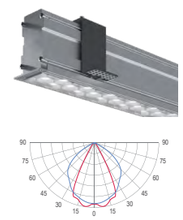
MICROPRISMATIC - MP
Low glare
Comfortable light



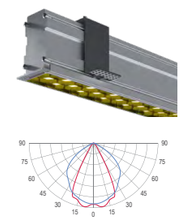
OPAL - OP
Diffused light
White line effect



HONEYCOMB BLACK - HB
Very low glare
High comfort soft light



HONEYCOMB WHITE - HW
Very low glare
High comfort soft light



HONEYCOMB GOLD - HG
Very low glare
High comfort soft light

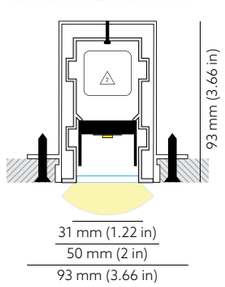
Designed for drywall installation, these slim, elegant luminaires provide an excellent lighting option for offices, retail, and indoor public spaces.
The Neman trimless can be installed as individual luminaires, or connected together as a continuous line. Installation and maintenance is simple and hassle-free because the light engine is easy to insert and extract.
With small dimensions and offering a UGR of less then 18, these luminaires will create a perfect transition from ceiling/wall to luminaire because they don't have a trim.

TECHNICAL DATA

Housing	Powder coated aluminium	
LED type	Nichia, 3step MacAdam	
LED lumen maintenance	L90B10; >60 000 h	
Electrical	220-240 V AC, internal driver	External driver for North American market
Maintenance	Changable light engine	

A++ ENERGY EFFICIENT
NICHIA HIGHEST QUALITY LED
3-STEP MACADAM
CE COMPLIANT
MADE IN EUROPE
5 YEAR WARRANTY

TECHNICAL DRAWING



ORDER CODE

Order code example: NEMAN T LUM OP PW W27C/W13C 830 L840 DALI

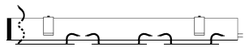
Product:	Mounting:	Segment type:	Optics:	Housing color:	Light source:	Spectrum:	Length:	Dimming:	Spot:	Sensor:	Emerg:
NEMAN	T								000	0	0
		LUM individual STA first segm. MID middle segm. END end segm.	MP Microprism OP Opal HB Honey-Black HW Honey-White HG Honey-Gold	PW White PG Gray PB Black	W17C Standard W27C High output				fill only if ordering these features		

SEGMENT TYPE

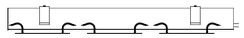
INDIVIDUAL LUMINAIRE

Luminaire - LUM
Endcaps at both ends

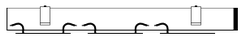
CONTINUOUS LINE MODULES



Start module - STA
Endcap at the start



Middle module - MID
No endcaps



End module - END
Endcap at the end

LUMEN VALUES

White

			OPAL				MICROPRISMATIC				HONEYCOMB			
	SPECTRUM	KELVINS	STANDARD		HIGH OUTPUT		STANDARD		HIGH OUTPUT		STANDARD		HIGH OUTPUT	
			lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft
CRI 80+	827	2700K	1933	589	3292	1003	1946	593	3315	1010	1443	440	2459	750
	830	3000K	1990	607	3391	1034	2004	611	3415	1041	1486	453	2533	772
	835	3500K	2037	621	3469	1057	2051	625	3494	1065	1521	464	2591	790
	840	4000K	2042	622	3480	1061	2056	627	3504	1068	1525	465	2599	792
CRI 90+	927	2700K	1602	488	2740	835	1613	492	2759	841	1196	365	2047	624
	930	3000K	1649	503	2818	859	1660	506	2838	865	1231	375	2105	642
	935	3500K	1688	515	2886	880	1700	518	2906	886	1261	384	2155	657
	940	4000K	1706	520	2915	888	1718	524	2935	895	1274	388	2177	664
CRI 95+	027	2700K	1295	395	2214	675	1304	397	2229	679	967	295	1654	504
	030	3000K	1323	403	2261	689	1332	406	2277	694	988	301	1689	515
Contact factory	035	3500K	1352	412	2310	704	1361	415	2326	709	1010	308	1726	526
for CRI98+	040	4000K	1370	418	2339	713	1380	421	2355	718	1023	312	1747	532
		EFFICACY	109 Lm/W		113 Lm/W		110 Lm/W		114 Lm/W		82 Lm/W		84 Lm/W	

LENGTHS AND POWERS

CODE	LENGTH		STANDARD OUTPUT	HIGHT OUTPUT
L560	560 mm	1' 10"	10W	17W
L840	840 mm	2' 9"	16W	26W
L1120	1120 mm	3' 8"	21W	35W
L1400	1400 mm	4' 7"	26W	43W
L1680	1680 mm	5' 6"	31W	52W

CODE	LENGTH		STANDARD OUTPUT	HIGHT OUTPUT
L1960	1940 mm	6' 4"	37W	60W
L2240	2240 mm	7' 4"	42W	69W
L2520	2520 mm	8' 3"	47W	78W
L2800	2800 mm	9' 2"	52W	86W
L3080	3080 mm	10' 1"	57W	95W

DIMMING

ND	no dimming
DALI	DALI / PushDIM dimmable

SENSORS - DAYLIGHT/PRESENCE

0	no sensor
SensDALI	sensor DALI
SensDIM	sensor DIM
SensOnOff	sensor On/Off

SPOTLIGHTS

000	no spotlights
111	1 spot on a single side
112	2 spots on a single side
121	1 spot on each side
122	2 spots on each side
131	1 spot in the middle
132	2 spots in the middle

EMERGENCY BATTERY

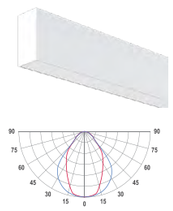
0	no emergency
EM	emergency 1h

For detailed sensor, spotlight and emergency battery options see page 62

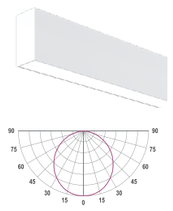
Disclaimer:
Technical data is subject to change without prior notice.

Neman - customized

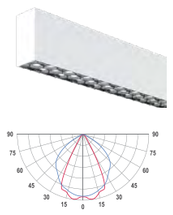
INDIVIDUAL & CONTINUOUS LINE LUMINAIRES



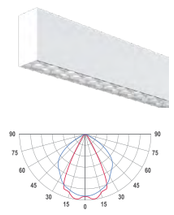
MICROPRISMATIC - MP
Low glare
Comfortable light



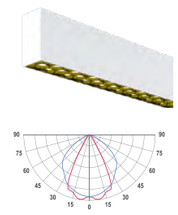
OPAL - OP
Diffused light
White line effect



HONEYCOMB BLACK - HB
Very low glare
High comfort soft light



HONEYCOMB WHITE - HW
Very low glare
High comfort soft light



HONEYCOMB GOLD - HG
Very low glare
High comfort soft light

Highly customizable, these Neman luminaires can be tailored to meet any office, general or indoor public lighting needs. The length, light source and power source can all be adjusted to fit the profile of individual projects.
As with all Neman luminaires, then can be deployed individually or as a continuous line. The LED engine used offers a white color ranges of 2,000K – 6,500K and a high color rendering index (CRI) of either CRI80+ or CRI90+. Lighting designers can choose a standard output, or opt for a high-output version.

A++ ENERGY EFFICIENT | NICHIA HIGHEST QUALITY LED | 3-STEP MACADAM | CE COMPLIANT

MADE IN EUROPE | 5 YEAR WARRANTY

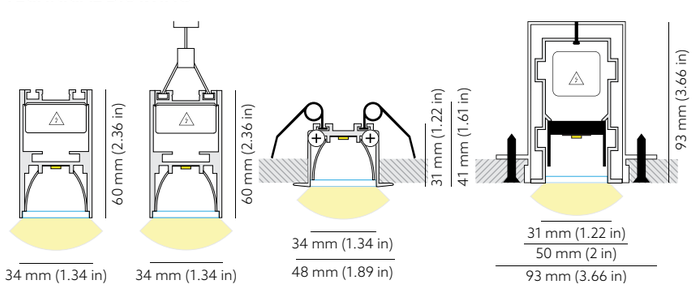
TECHNICAL DATA

Housing	Powder coated aluminium, plastic	
LED type	Nichia, 3step MacAdam	
LED lumen maintenance	L90B10; >60 000 h	
Electrical	230 VAC 50 Hz, internal driver	External driver for North American market
Lead cable LENGTH	2 m	6.56'

HOUSING COLORS

White - PW | Gray - PG | Black - PB | Custom (RAL)

TECHNICAL DRAWING



ORDER CODE

Order code example: NEMAN P LUM OP PW FL-112/N3 19W 830 L840 DALI

Product:	Mounting:	Segment type:	Optics:	Housing color:	LED type:	Power:	Spectrum:	LENGTH:	Dimming:
NEMAN									
	S Surface P Pendant R Recessed T Trimless	LUM individual STA start segm. MID middle segm. END end segm.	MP Microprism OP Opal HB Honey-Black HW Honey-White HG Honey-Gold	PW White PG Gray PB Black	FL-56/D3 TW-56/N3 RGB-48/O RGBW-48/O3	*It is possible to use any of our LED strip			

SEGMENT TYPE

INDIVIDUAL LUMINAIRE

Luminaire - LUM
Endcaps at both ends

CONTINUOUS LINE MODULES

Start module - STA
Endcap at the start

Middle module - MID
No endcaps

End module - END
Endcap at the end

LUMEN VALUES

White

SPECTRUM	KELVINS	OPAL 19,2 W/m 5.9 W/ft	OPAL 33,4 W/m 10.2W/ft	MICROPRISMATIC 19,2 W/m 5.9 W/ft	MICROPRISMATIC 33,4 W/m 10.2 W/ft	HONEYCOMB 19,2 W/m 5.9 W/ft	HONEYCOMB 33,4 W/m 10.2 W/ft
		19	33	19	33	19	33
820/822/825/827/830/	CRI 80+	1426-2180 Lm/m	2494-3797	1435-2194	2510-3822	1064-1628	1862-2835
835/840/850/857/865	2000-6500K	435-665 Lm/ft	760-1157	437-669	765-1165	324-496	567-864
920/922/925/927/930/	CRI 90+	1142-1856 Lm/m	2000-3244	1149-1868	2013-3265	852-1386	2719-4321
935/940/950/957/965	2000-6500K	348-566 Lm/ft	610-989	350-569	614-995	260-422	829-1317
027/030/035/040/050	CRI 95+	1314-1510 Lm/m	2301-2642	1323-1520	2316-2659	981-1128	1717-1972
	2000-6500K	401-460 Lm/ft	701-805	403-463	706-810	299-344	523-601
	EFFICACY	114 lm/W	114 lm/W	114 lm/W	114 lm/W	85 lm/W	85 lm/W

Tunable

SPECTRUM		KELVINS	OPAL 19,2 W/m 5.9 W/ft	OPAL 33,4 W/m 10.2 W/ft	MICROPRISMATIC 19,2 W/m 5.9 W/ft	MICROPRISMATIC 33,4 W/m 10.2 W/ft	HONEYCOMB 19,2 W/m 5.9 W/ft	HONEYCOMB 33,4 W/m 10.2 W/ft
			19	33	19	33	19	33
820/865	825/857	CRI 80+	1857-2187 Lm/m	3103-3654	1869-2201	3123-3677	1386-1632	2316-2727
827/857	827/850	2000-6500K	481-567 Lm/ft	946-1114	484-570	952-1121	423-498	706-831
920/965	925/957	CRI 90+	1583-1862 Lm/m	2622-3083	1594-1874	2639-3103	1182-1390	2316-2677
927/950		2000-6500K	483-568 Lm/ft	799-940	486-571	804-946	360-424	706-816
		EFFICACY	114 lm/W	114 lm/W	114 lm/W	114 lm/W	85 lm/W	85 lm/W

RGB

SPECTRUM	COLOR	OPAL 17,3 W/m 5.3 W/ft		OPAL 28,8 W/m 8.8 W/ft		MICROPRISMATIC 17,3 W/m 5.3 W/ft		MICROPRISMATIC 28,8 W/m 8.8 W/ft		HONEYCOMB 17,3 W/m 5.3 W/ft		HONEYCOMB 28,8 W/m 8.8 W/ft	
		17		28		17		28		17		28	
RGB	Total	414 Lm/m	107 Lm/ft	692	211	417	108	696	212	309	94	516	157
	EFFICACY	24 lm/w		24 lm/w		24 lm/w		24 lm/w		18 lm/w		18 lm/w	

RGBW

SPECTRUM	KELVINS	OPAL 19,2 W/m 5.9 W/ft	OPAL 24 W/m 7.3 W/ft	MICROPRISMATIC 19,2 W/m 5.9 W/ft	MICROPRISMATIC 24 W/m 7.3 W/ft	HONEYCOMB 19,2 W/m 5.9 W/ft	HONEYCOMB 24 W/m 7.3 W/ft
		19	24	19	24	19	24
822 / 825 / 827 / 830	CRI 80+	725-844 Lm/m	1273-1500	730-850	1281-1510	541-630	950-1120
835 / 840 / 850 / 865	2200-6500K	221-257 Lm/ft	388-457	223-259	390-460	165-192	290-341
922 / 927 / 930 / 935	CRI 90+	676-740 Lm/m	1183-1301	681-745	1190-1309	505-552	883-971
940 / 950 / 965	2200-6500K	206-226 Lm/ft	361-397	208-227	363-399	154-168	269-296
	EFFICACY	22 lm/W	34 lm/W	23 lm/W	34 lm/W	17 lm/W	25 lm/W

LENGTHS

CODE	LENGTH		CODE	LENGTH		CODE	LENGTH		CODE	LENGTH	
L250	250 mm	10"	L1000	1000 mm	3' 3"	L1750	1750 mm	5' 9"	L2500	2500 mm	8' 2"
L500	500 mm	1' 8"	L1250	1250 mm	4' 1"	L2000	2000 mm	6' 7"	L2750	2750 mm	9'
L750	750 mm	2' 6"	L1500	1500 mm	4' 11"	L2250	2250 mm	7' 5"	L3000	3000 mm	9' 10"

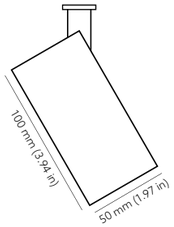
custom lengths at each 125mm available on request

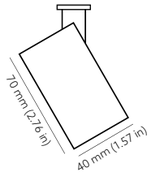
Disclaimer:
Technical data is subject to change without prior notice.

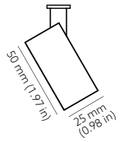
Accessories

FOR INDOOR LUMINAIRES

SPOTLIGHTS







	SATURN	MARS	PLUTO	SATURN MODULE
POWER	7W	4.5W	2W	7W
	16W	7W	-	16W
OPTICS	20°	15°	15°	20°
	35°	40°	40°	35°
	60°	60°	60°	60°

111
1 spotlight on a single side

121
1 spotlight on each side

112
2 spotlights on a single side

122
2 spotlights on each side

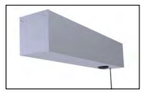
131
1 spotlight in the middle

132
2 spotlights in the middle

SENSORS

FEED BOX

CODE	DESCRIPTION
FEED-BOX-W	FeedBox white (for pendant luminaires)
FEED-BOX-G	FeedBox gray (for pendant luminaires)
FEED-BOX-B	FeedBox black (for pendant luminaires)



That marvelous X

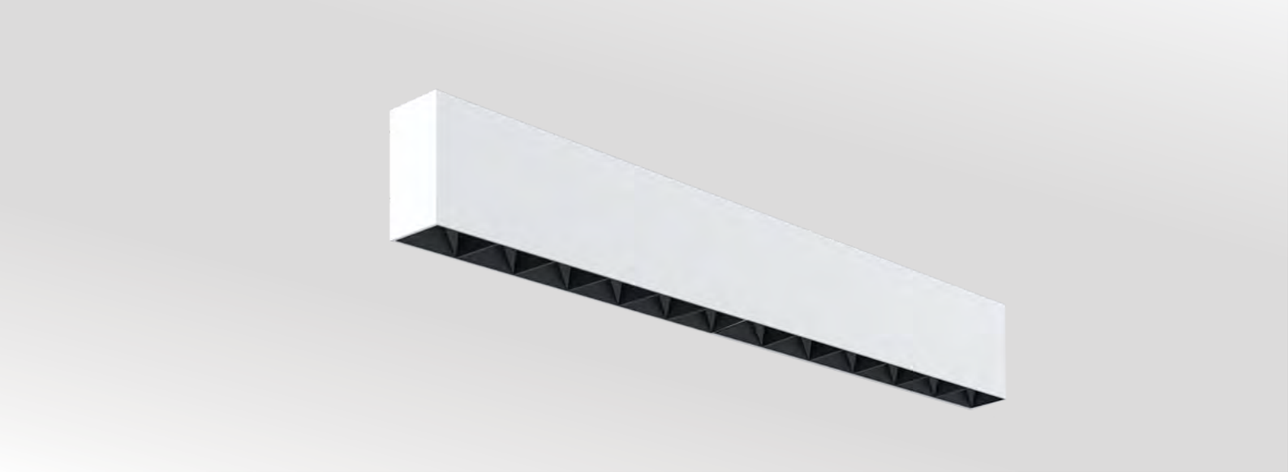
The Neman X combines a high output with a stylish contemporary design to offer lighting solutions with a bit of extra bite.

Ideally suited for task lighting, the Neman X produces concentrated beams of light that designers can use to reshape spaces, illuminate paths and walkways, or create dramatic light/dark contrasts.

One signature feature of the Neman X is the fact that the light is beamed from deep within the luminaire. This means it is sharp but has very low glare. Deployable as stand-alone luminaires or as a continuous line, the Neman X is a versatile and powerful tool that will bring energy to your lighting project.

Order code explained

NEMAN-X	P	LUM	PW	X6	-	10	B	D15	930	L1000	DALI
FAMILY NAME Main information describing basis of the product	MOUNTING Determines the way luminaire will be mounted to the ceilings	SEGMENT TYPE Determines how segment connects with other segments	HOUSING COLOR Color of segment body	NUMBER OF LED IN GROUP Determines how many LEDs compose a group		DISTANCE BETWEEN GROUPS Determines distance between LED groups	SHADE COLOR Color of light diffuser	LIGHT ANGLE Determines maximum angle of light spread	SPECTRUM Code for required Color rendering index and Color temperature	LENGTH Length of segment	DIMMING Determines if dimming feature is required



Neman X - surface

INDIVIDUAL LUMINAIRE

Designed for mounting to ceilings in offices, retail spaces and other indoor public areas, the Neman X Surface luminaire is a stylish and highly-customizable interior lighting option.

The luminaire contains X-shaped LED lights that are available with three beam angle lenses and feature three-color anti-glare reflectors.

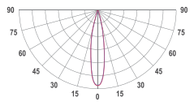
In terms of lighting power, it uses an LED engine with a white color range of 2,700K – 4,000K and a high color rendering index (CRI) of CRI80+, CRI90+ or CRI95+. The UGR is less than 18. Light is emitted through lenses angled at either 15°, 30° or 60°.

Powerful, sleek and versatile, this Luminaire is an excellent option for creative lighting projects.

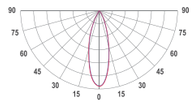
TECHNICAL DATA

Housing	Powder coated aluminium, plastic	
LED type	Nichia, 3step MacAdam	
LED lumen maintenance	L90B10; >60 000 h	
Electrical	230 VAC 50 Hz, integrated driver	External driver for North American market

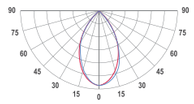
OPTICS



15° lense - D15



30° lense - D30



60° lense - D60

LOUVER COLORS

X black - XB

X silver - XS

X gold - XG

HOUSING COLORS

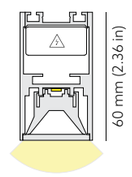
Gray - AG

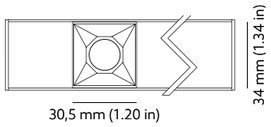
White - PW

Black - PB

Custom (RAL)

TECHNICAL DRAWING





A+ ENERGY EFFICIENT

NICHIA HiGHEST QUALITY LED

3-STEP MACADAM

CE COMPLIANT

MADE IN EUROPE

5 YEAR WARRANTY

ORDER CODE

Order code example: NEMAN X S LUM PW X1 B D60 930 DALI

	Mounting type:	Segment type:	Housing color:	LEDs qty:	Shade color:	Optics:	Spectrum:	Dimming:
NEMAN-X	S	LUM						
			PW White PG Gray PB Black	X1 1 LED X2 2 LEDs X3 3 LEDs . .	B black S silver G gold	D15 15° lense D30 30° lense D60 60° lense		

LUMEN VALUES

WHITE

	SPECTRUM	KELVINS	X1	X2	X3	X4	X5	X6	X8	X10	X12	X16	X20	X24	X30
CRI 90+	927	2700K	129 lm	257 lm	386 lm	515 lm	644 lm	688 lm	917 lm	1287 lm	1545 lm	2060 lm	2575 lm	3090 lm	3862 lm
	930	3000K	133 lm	266 lm	399 lm	531 lm	664 lm	797 lm	1063 lm	1328 lm	1594 lm	2125 lm	2657 lm	3188 lm	3985 lm
	935	3500K	138 lm	276 lm	413 lm	551 lm	689 lm	827 lm	1102 lm	1378 lm	1653 lm	2204 lm	2755 lm	3306 lm	4133 lm
	940	4000K	143 lm	285 lm	428 lm	571 lm	713 lm	856 lm	1141 lm	1427 lm	1712 lm	2283 lm	2854 lm	3424 lm	4280 lm

	X1	X2	X3	X4	X5	X6	X8	X10	X12	X16	X20	X24	X30
LED QUANTITY	1	2	3	4	5	6	8	10	12	16	20	24	30
POWER	1,6W	3,2 W	4,7 W	6,3W	7,9 W	9,5 W	12,6 W	15,8 W	18.9 W	25,2 W	31,6 W	37,9 W	47,3 W
LUMINAIRE LENGTH	187	187	187	187	187	187	248	309	370	492	614	736	919

DIMMING

ND	no dimming
DALI	DALI dimmable

SENSORS - DAYLIGHT/PRESENCE

0	no sensor
1	sensor DALI on side
2	sensor DALI in the middle
3	sensor DIM on side
4	sensor DIM in the middle
5	sensor On/Off on side
6	sensor On/Off in the middle

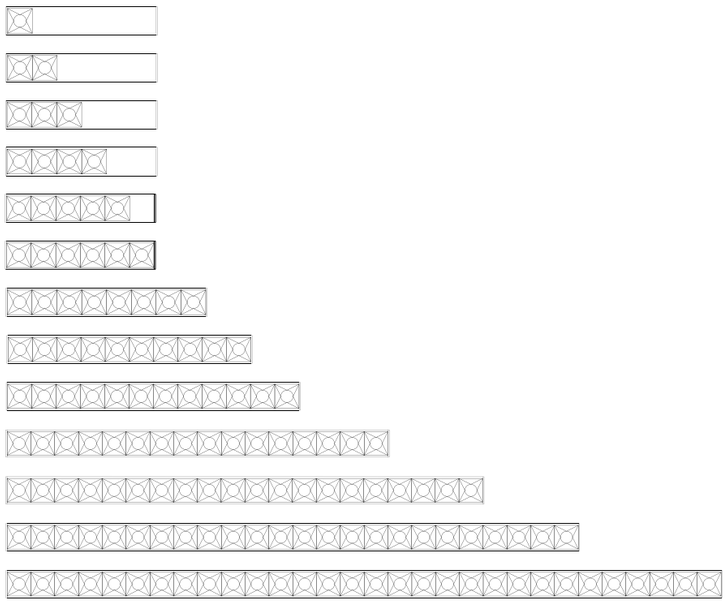
EMERGENCY

0	no emergency
EM	emergency 1h

LENGTH

Surface	Trimless	
186mm	203mm	X1
186mm	203mm	X2
186mm	203mm	X3
186mm	203mm	X4
186mm	203mm	X5
186mm	203mm	X6
247mm	264mm	X8
308mm	325mm	X10
369mm	386mm	X12
491mm	508mm	X16
613mm	630mm	X20
735mm	752mm	X24
918mm	935mm	X30

LAYOUTS



Disclaimer:
Technical data is subject to change without prior notice.

Neman X - surface modular

CONTINUOUS LINE LUMINAIRES

The Neman X Surface luminaire will create a striking lighting impression in offices and public indoor spaces. Designed to be ceiling-mounted, these luminaires can be added together segment by segment to form a continuous line of lighting.

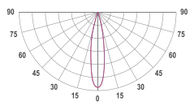
In terms of power, the Neman X uses an LED engine with a high color rendering index (CRI) of CRI80+ or CRI90+, and a white color range of 2,700K – 4,000K. You can set the angle of the lenses through which the light is emitted to either 30° or 60°. The LED lights inside the luminaire are X shaped, and come available with three different beam angle lenses. These LED lights also have three-color anti-glare reflectors.

Customizable, connectable, and stylish, the Neman X surface will add quality and sophistication to your creative lighting projects

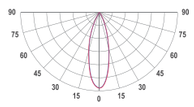
TECHNICAL DATA

Housing	Powder coated aluminium, plastic	
LED type	Nichia, 3step MacAdam	
LED lumen maintenance	L90B10; >60 000 h	
Electrical	230 VAC 50 Hz, integrated driver	External driver for North American market

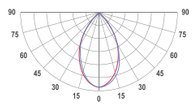
OPTICS



15° lense - D15



30° lense - D30



60° lense - D60

LOUVER COLORS

X black - XB

X silver - XS

X gold - XG

HOUSING COLORS

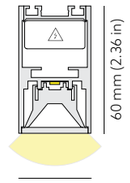
Gray - AG

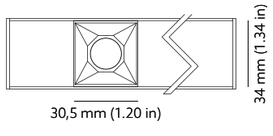
White - PW

Black - PB

Custom (RAL)

TECHNICAL DRAWING





A+ ENERGY EFFICIENT

NICHIA HiGHEST QUALITY LED

3-STEP MACADAM

CE COMPLIANT

MADE IN EUROPE

5 YEAR WARRANTY

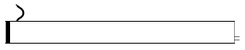
ORDER CODE

Order code example: NEMAN-X S MID PW X3-05 B D60 930 L1000 DALI

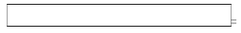
	Mounting type:	Segment type:	Housing color:	No of LEDs per group:		DST. between groups	Shade color:	Optics:	Spectrum:	LENGTH:	Dimming:
NEMAN-X	S				-						
		STA Start segm. MID Middle segm. END End segm.	PW White PG Gray PB Black	X3 3 LEDs X6 6 LEDs		05 500 mm 10 1000 mm	B black S silver G gold	D15 15° lens D30 30° lens D60 60° lens			

SEGMENT TYPE

CONTINUOUS LINE MODULES



Start module - STA
Endcap at the start



Middle module - MID
No endcaps

End module - END
Endcap at the end

LUMEN OUTPUT

Lumen output of these Neman X luminaires is calculated by multiplying lumen output of single group by number of groups per luminaire/segment.

		Lumen output per group:		No of groups per segment:
LUMEN OUTPUT	=		*	

For Neman X continuous line systems, number of groups per luminaire/segment is determined by distance between group and the length of luminaire/segment. Use the table below to find many groups your desired length luminaire has.

LUMEN OUTPUT PER GROUP

WHITE

NO. OF LEDS PER GROUP

SPECTRUM		KELVINS	X3	X6
CRI 90+	927	2700K	386 lm	688 lm
	930	3000K	399 lm	797 lm
	935	3500K	413 lm	827 lm
	940	4000K	428 lm	856 lm
		WATTS	9,1 W	13,7 W

NUMBER OF GROUPS PER SEGMENT

DISTANCE BETWEEN GROUPS	LENGTH 500 mm 1' 8"	1000 mm 3' 3"	2000 mm 6' 6"	3000 mm 9' 10"
	L500	L1000	L2000	L3000
500 mm	1 group	2 groups	4 groups	6 groups
1000 mm	N / A	1 group	2 gruops	3 groups

Calculation example:
Lumen output = X3 * 6 = 399 Lm * 6 groups = 2394 Lm

DISTANCE BETWEEN GROUPS

For Neman X continuous line systems we offer two variants of different light density, with either 500 or 1000 mm distance between group. Each end of luminaire has half the distance. That ensures that separate segments connect into one, uniform line.

DIMMING

ND	no dimming
DALI	DALI dimmable

Disclaimer:
Technical data is subject to change without prior notice.

Neman X - pendant

INDIVIDUAL LUMINAIRES

Ideal for rooms with high ceilings, the Neman X Pendant Direct Luminaire will bring sophistication and a contemporary feel to your lighting projects.

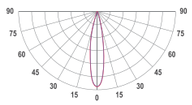
Suitable for use in indoor public spaces, offices and retail, this luminaire contains X shaped LED lights fitted with three-color anti-glare reflectors. The LED lights are available with three different beam angle lenses.

This luminaire is perfect for expressing your creativity, thanks to its power and versatility.

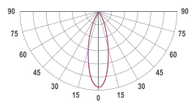
TECHNICAL DATA

Housing	Powder coated aluminium, plastic	
LED type	Nichia, 3step MacAdam	
LED lumen maintenance	L90B10; >60 000 h	
Electrical	230 VAC 50 Hz, integrated driver	External driver for North American market

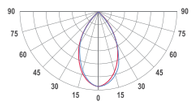
OPTICS



15° lense - **D15**



30° lense - **D30**



60° lense - **D60**

LOUVER COLORS

X black - **XB**

X silver - **XS**

X gold - **XG**

HOUSING COLORS

Gray - **AG**

White - **PW**

Black - **PB**

Custom (RAL)

A+ ENERGY EFFICIENT

NICHIA HIGHEST QUALITY LED

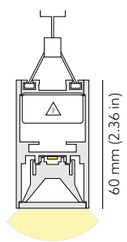
3-STEP MACADAM

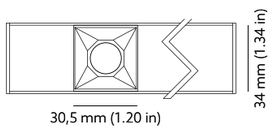
CE COMPLIANT

MADE IN EUROPE

5 YEAR WARRANTY

TECHNICAL DRAWING





ORDER CODE

Order code example: NEMAN-X P LUM PW X2-3G B D60 930 L1000 DALI

	Mounting type:	Segment type:	Housing color:	No of LEDs per group:		No of groups per segment:	Shade color:	Optics:	Spectrum:	LENGTH:	Dimming:
NEMAN-X	P	LUM			-						
			PW White PG Gray PB Black	X-2 2 LEDs X-3 3 LEDs		3G 3 gp./seg. 4G 4 gp./seg. 6G 6 gp./seg.	B black S silver G gold	D15 15° lense D30 30° lense D60 60° lense		L1400 1400 mm L2240 2240 mm L3080 3080 mm	

LUMEN OUTPUT

Lumen output of these Neman X luminaires is calculated by multiplying lumen output of single group by number of groups per luminaire. Use the tables to find values for your luminaire.

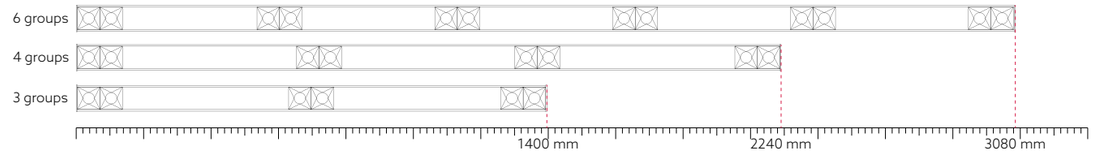
LUMEN OUTPUT	=	No of groups per length:	*	No of LEDs per group:

NO OF LEDS PER GROUP

WHITE

	SPECTRUM	KELVINS	NO. OF LEDS PER BLOCK X2	X3
CRI 90+	927	2700K	257 lm	386 lm
	930	3000K	266 lm	399 lm
	935	3500K	276 lm	413 lm
	940	4000K	285 lm	428 lm
		WATTS	4,6 W	6,8 W

GROUPS PER LENGTH



LENGTHS AVAILABLE

CODE	L1400	L2240	L3080
LENGTH	1400 mm 4' 7"	2240 mm 7' 4"	3080 mm 10' 1"

DIMMING

ND	no dimming
DALI	DALI dimmable

Calculation example:
Lumen output = X3 * 3 = 386 Lm * 3 groups = 1158 Lm

Disclaimer:
Technical data is subject to change without prior notice.

Neman X - pendant modular

CONTINUOUS LINE LUMINAIRES

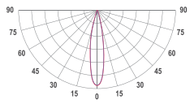
Designed to be suspended on adjustable length wire, the Neman X Pendant Continuous offers a creative solution for high-ceilinged spaces. Individual luminaires can be connected to form a continuous line of lighting that is ideal for office lighting, general lighting and indoor public spaces.

The luminaire itself contains X shaped LED lights that have three different beam angle lenses. These lights are also fitted with three-color anti-glare reflectors. Powered by an LED engine with a white color range of 2,700K – 4,000K and a high color rendering index (CRI) of CRI80+ or CRI90+, the Neman X is a versatile and stylish solution for creative lighting projects.

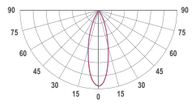
TECHNICAL DATA

Housing	Powder coated aluminium, plastic	
LED type	Nichia, 3step MacAdam	
LED lumen maintenance	L90B10; >60 000 h	
Electrical	230 VAC 50 Hz, integrated driver	External driver for North American market

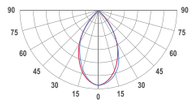
OPTICS



15° lense - D15



30° lense - D30



60° lense - D60

LOUVER COLORS

X black - XB

X silver - XS

X gold - XG

HOUSING COLORS

Gray - AG

White - PW

Black - PB

Custom (RAL)

A+ ENERGY EFFICIENT

NICHIA HIGHEST QUALITY LED

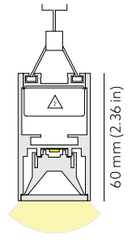
3-STEP MACADAM

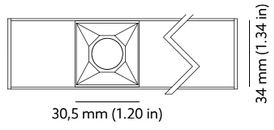
CE COMPLIANT

MADE IN EUROPE

5 YEAR WARRANTY

TECHNICAL DRAWING





ORDER CODE

Order code example: NEMAN-X P MID PW X2-05 B D60 930 L1000 DALI

	Mounting type:	Segment type:	Housing color:	No of LEDs per group:		DST. between groups	Shade color:	Optics:	Spectrum:	LENGTH:	Dimming:
NEMAN-X	P				-						
		STA Start segm. MID Middle segm. END End segm.	PW White PG Gray PB Black	X3 3 LEDs X6 6 LEDs		05 500 mm 10 1000 mm	B black S silver G gold	D15 15° lens D30 30° lens D60 60° lens			

SEGMENT TYPE

CONTINUOUS LINE MODULES

Start module - STA
Endcap at the start

Middle module - MID
No endcaps

End module - END
Endcap at the end

LUMEN OUTPUT

Lumen output of these Neman X luminaires is calculated by multiplying lumen output of single group by number of groups per luminaire/segment.

		No of LEDs per group:		No of groups per segment:
LUMEN OUTPUT	=		*	

For Neman X continuous line systems, number of groups per luminaire/segment is determined by distance between group and the length of luminaire/segment. Use the table below to find many groups your desired LENGTH luminaire has.

NO OF LEDS PER GROUP

WHITE

SPECTRUM		KELVINS	NO. OF LEDS PER GROUP X3	X6
CRI 90+	927	2700K	386 lm	688 lm
	930	3000K	399 lm	797 lm
	935	3500K	413 lm	827 lm
	940	4000K	428 lm	856 lm
		WATTS	9,1 W	13,7 W

NUMBER OF GROUPS PER SEGMENT

DISTANCE BETWEEN GROUPS	LENGTH 500 mm 1' 8" L500	1000 mm 3' 3" L1000	2000 mm 6' 6" L2000	3000 mm 9' 10" L3000
500 mm	1	2	4	6
1000 mm	x	1	2	3

Calculation example:
Lumen output = X3 * 6 = 399 Lm * 6 groups = 2394 Lm

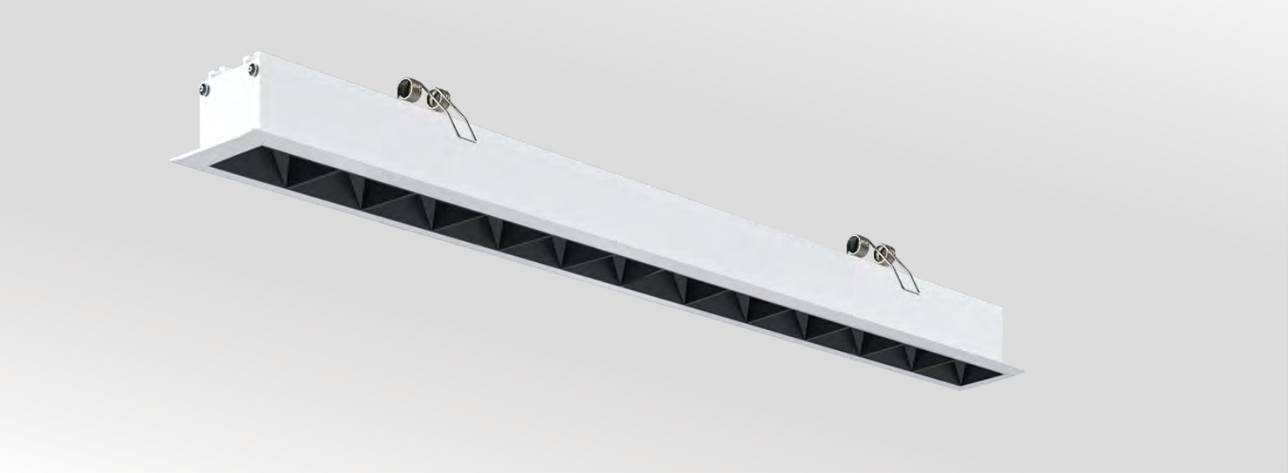
DISTANCE BETWEEN GROUPS

For Neman X continuous line systems we offer two variants of different light density, with either 500 or 1000 mm distance between group. Each end of luminaire has half he distance. That ensures that separate segments connect into one, uniform line.

DIMMING

ND	no dimming
DALI	DALI dimmable

Disclaimer:
Technical data is subject to change without prior notice.



Neman X - recessed

INDIVIDUAL LUMINAIRE

Designed for use in offices, retail spaces and malls, or other indoor public spaces, the Neman X recessed luminaire provides a powerful lighting solution that will fit seamlessly into creative interiors.

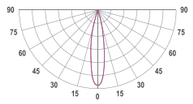
The lighting is provided by X shaped LED lights which have three-color anti-glare reflectors and come with three different beam angle lenses. The LED engine has a color rendering index (CRI) of either CRI80+ or CRI90+, and offers a white color range of between 2,700K and 4,000K. The angle of the lenses through which the light is emitted can be set at either 30° or 60°.

Its versatility and power makes this luminaire a smart option for any creative lighting project.

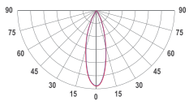
TECHNICAL DATA

Housing	Powder coated aluminium, plastic
LED type	Nichia, 3step MacAdam
LED lumen maintenance	L90B10; >60 000 h
Electrical	230 VAC 50 Hz, external driver

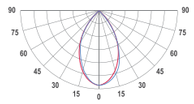
OPTICS



15° lense - D15



30° lense - D30



60° lense - D60

LOUVER COLORS

X black - XB

X silver - XS

X gold - XG

HOUSING COLORS

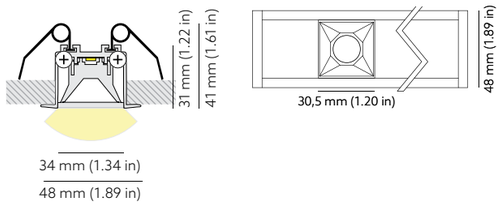
Gray - AG

White - PW

Black - PB

Custom (RAL)

TECHNICAL DRAWING



A+ ENERGY EFFICIENT

NICHIA HIGHEST QUALITY LED

3-STEP MACADAM

CE COMPLIANT

MADE IN EUROPE

5 YEAR WARRANTY

ORDER CODE

Order code example: NEMAN X R LUM PW X1 B D60 930 DALI

	Mounting type:	Segment type:	Housing color:	LEDs qty:	Shade color:	Optics:	Spectrum:	Dimming:
NEMAN-X	R	LUM						
			PW White	X1 1 LED	B black	D15 15° lense		
			PG Gray	X2 2 LEDs	S silver	D30 30° lense		
			PB Black	X3 3 LEDs	G gold	D60 60° lense		
				.				
				.				

LUMEN VALUES

WHITE

	SPECTRUM	KELVINS	X1	X2	X3	X4	X5	X6	X8	X10	X12	X16	X20	X24	X30
CRI 90+	927	2700K	129 lm	257 lm	386 lm	515 lm	644 lm	688 lm	917 lm	1287 lm	1545 lm	2060 lm	2575 lm	3090 lm	3862 lm
	930	3000K	133 lm	266 lm	399 lm	531 lm	664 lm	797 lm	1063 lm	1328 lm	1594 lm	2125 lm	2657 lm	3188 lm	3985 lm
	935	3500K	138 lm	276 lm	413 lm	551 lm	689 lm	827 lm	1102 lm	1378 lm	1653 lm	2204 lm	2755 lm	3306 lm	4133 lm
	940	4000K	143 lm	285 lm	428 lm	571 lm	713 lm	856 lm	1141 lm	1427 lm	1712 lm	2283 lm	2854 lm	3424 lm	4280 lm

	X1	X2	X3	X4	X5	X6	X8	X10	X12	X16	X20	X24	X30
LED QUANTITY	1	2	3	4	5	6	8	10	12	16	20	24	30
POWER	1,6W	3,2 W	4,7 W	6,3W	7,9 W	9,5 W	12,6 W	15,8 W	18.9 W	25,2 W	31,6 W	37,9 W	47,3 W
LUMINAIRE LENGTH	187	187	187	187	187	187	248	309	370	492	614	736	919

DIMMING

ND	no dimming
DALI	DALI dimmable

SENSORS - DAYLIGHT/PRESENCE

0	no sensor
1	sensor DALI on side
2	sensor DALI in the middle
3	sensor DIM on side
4	sensor DIM in the middle
5	sensor On/Off on side
6	sensor On/Off in the middle

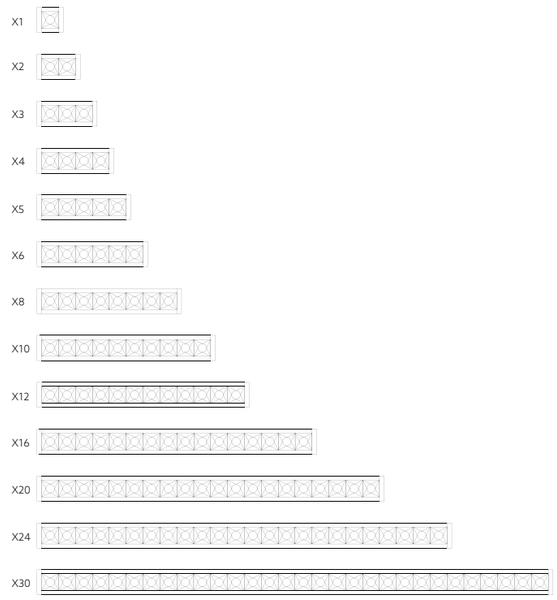
EMERGENCY

0	no emergency
EM	emergency 1h

LENGTH

Surface	Recessed	Trimless
186mm	200mm	203mm
186mm	200mm	203mm
186mm	200mm	203mm
186mm	200mm	203mm
186mm	200mm	203mm
186mm	200mm	203mm
247mm	261mm	264mm
308mm	322mm	325mm
369mm	383mm	386mm
491mm	505mm	508mm
613mm	627mm	630mm
735mm	749mm	752mm
918mm	932mm	935mm

LAYOUTS



Disclaimer:
Technical data is subject to change without prior notice.

Neman X - recessed modular

CONTINUOUS LINE LUMINAIRES

Neman X Recessed luminaires are designed for installation inside ceilings and walls and can be used to form a continuous line of lighting.

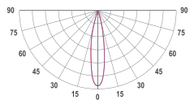
Fitted with X shaped LED lights that come with three different beam angles and anti-glare reflectors, these luminaires offer impressive power. The LED engine has a white color range of 2,700K – 4,000K and a high color rendering index (CRI) of either CRI80+ or CRI90+.

Simple to install and stylishly designed, this luminaire offers a creative lighting solution for office and retail spaces.

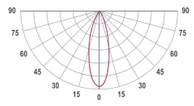
TECHNICAL DATA

Housing	Powder coated aluminium, plastic
LED type	Nichia, 3step MacAdam
LED lumen maintenance	L90B10; >60 000 h
Electrical	230 VAC 50 Hz, external driver

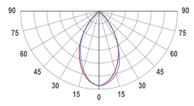
OPTICS



15° lense - D15



30° lense - D30



60° lense - D60

LOUVER COLORS

X black - XB

X silver - XS

X gold - XG

HOUSING COLORS

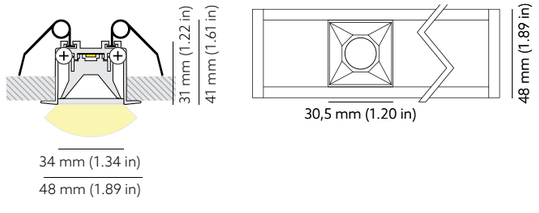
Gray - AG

White - PW

Black - PB

Custom (RAL)

TECHNICAL DRAWING



A+ ENERGY EFFICIENT

NICHIA HIGHEST QUALITY LED

3-STEP MACADAM

CE COMPLIANT

MADE IN EUROPE

5 YEAR WARRANTY

ORDER CODE

Order code example: NEMAN-X R MID PW X3-05 B D60 930 L1000 DALI

	Mounting type:	Segment type:	Housing color:	No of LEDs per group:		DST. between groups	Shade color:	Optics:	Spectrum:	Length:	Dimming:
NEMAN-X	R				-						
		STA Start segm. MID Middle segm. END End segm.	PW White PG Gray PB Black	X3 3 LEDs X6 6 LEDs		05 500 mm 10 1000 mm	B black S silver G gold	D15 15° lens D30 30° lens D60 60° lens			

SEGMENT TYPE

CONTINUOUS LINE MODULES

Start module - STA
Endcap at the start

Middle module - MID
No endcaps

End module - END
Endcap at the end

LUMEN OUTPUT

Lumen output of these Neman X luminaires is calculated by multiplying lumen output of single group by number of groups per luminaire/segment.

LUMEN OUTPUT	=	No of LEDs per group:	*	No of groups per segment:

For Neman X continuous line systems, number of groups per luminaire/segment is determined by distance between group and the length of luminaire/segment. Use the table below to find many groups your desired length luminaire has.

NO OF LEDS PER GROUP

WHITE

	SPECTRUM	KELVINS	X3	X6
CRI 90+	927	2700K	386 lm	688 lm
	930	3000K	399 lm	797 lm
	935	3500K	413 lm	827 lm
	940	4000K	428 lm	856 lm
		WATTS	9,1 W	13,7 W

NUMBER OF GROUPS PER SEGMENT

NO. OF LEDS PER GROUP				
	LENGTH			
	500 mm	1000 mm	2000 mm	3000 mm
DISTANCE BETWEEN GROUPS	1' 8"	3' 3"	6' 6"	9' 10"
	L500	L1000	L2000	L3000
500 mm	1	2	4	6
1000 mm	x	1	2	3

Calculation example:
Lumen output = X3 * 6 = 399 Lm * 6 groups = 2394 Lm

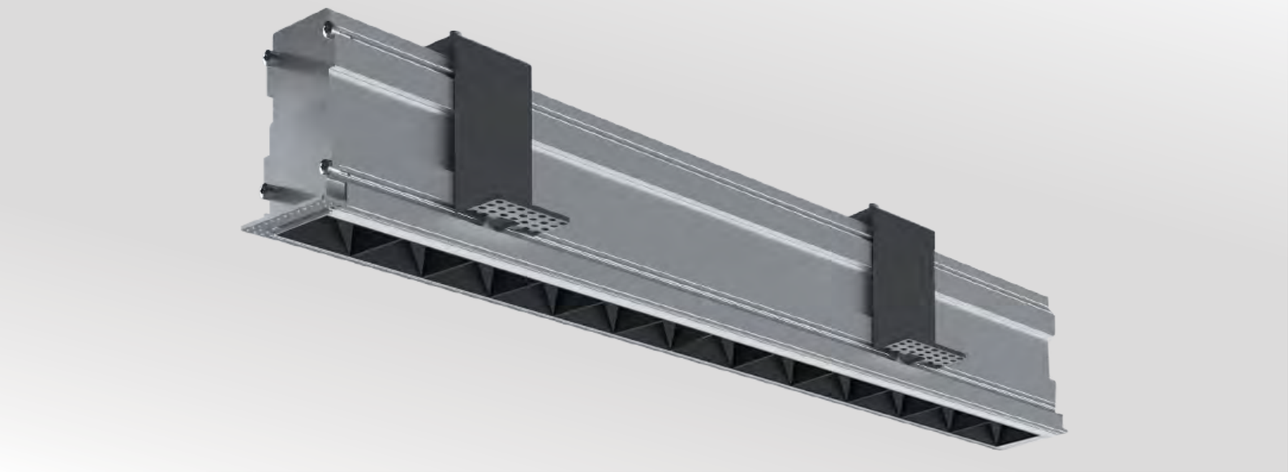
DISTANCE BETWEEN GROUPS

For Neman X continuous line systems we offer two variants of different light density, with either 500 or 1000 mm distance between group. Each end of luminaire has half he distance. That ensures that separate segments connect into one, uniform line.

DIMMING

ND	no dimming
DALI	DALI dimmable

Disclaimer:
Technical data is subject to change without prior notice.



Neman X - trimless

INDIVIDUAL LUMINAIRE

Highly-customizable and featuring a tasteful design, the Neman X Trimless luminaire is designed for installation inside ceilings and walls.

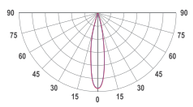
This luminaire has a powerful LED engine that offers a high color rendering index (CRI) of CRI80+ or CRI90+, and a white color range of between 2,700K and 4,000K. It is fitted with X shaped LED lights. The lights come with three different beam angle lenses and are fitted with three-color anti-glare reflectors.

Smart and versatile, this is an excellent option for creative interior projects.

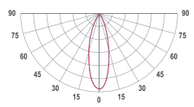
TECHNICAL DATA

Housing	Powder coated aluminium, plastic	
LED type	Nichia, 3step MacAdam	
LED lumen maintenance	L90B10; >60 000 h	
Electrical	230 VAC 50 Hz, internal driver	External driver for North American market

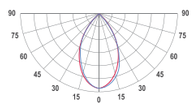
OPTICS



15° lense - **D15**



30° lense - **D30**



60° lense - **D60**

LOUVER COLORS

X black - **XB**

X silver - **XS**

X gold - **XG**

HOUSING COLORS

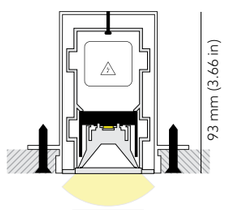
Gray - **AG**

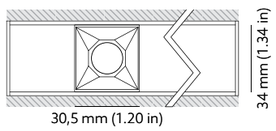
White - **PW**

Black - **PB**

Custom (RAL)

TECHNICAL DRAWING





A+ ENERGY EFFICIENT

NICHIA HIGHEST QUALITY LED

3-STEP MACADAM

CE COMPLIANT

MADE IN EUROPE

5 YEAR WARRANTY

ORDER CODE

Order code example: NEMAN X T LUM PW X1 B D60 930 DALI

	Mounting type:	Segment type:	Housing color:	LEDs quantity:	Shade color:	Optics:	Spectrum:	Dimming:
NEMAN-X	T	LUM						
			PW White	X1 1 LED	B black	D15 15° lense		
			PG Gray	X2 2 LEDs	S silver	D30 30° lense		
			PB Black	X3 3 LEDs	G gold	D60 60° lense		
				.				
				.				

LUMEN VALUES

WHITE

	SPECTRUM	KELVINS	X1	X2	X3	X4	X5	X6	X8	X10	X12	X16	X20	X24	X30
CRI 90+	927	2700K	129 lm	257 lm	386 lm	515 lm	644 lm	688 lm	917 lm	1287 lm	1545 lm	2060 lm	2575 lm	3090 lm	3862 lm
	930	3000K	133 lm	266 lm	399 lm	531 lm	664 lm	797 lm	1063 lm	1328 lm	1594 lm	2125 lm	2657 lm	3188 lm	3985 lm
	935	3500K	138 lm	276 lm	413 lm	551 lm	689 lm	827 lm	1102 lm	1378 lm	1653 lm	2204 lm	2755 lm	3306 lm	4133 lm
	940	4000K	143 lm	285 lm	428 lm	571 lm	713 lm	856 lm	1141 lm	1427 lm	1712 lm	2283 lm	2854 lm	3424 lm	4280 lm

	X1	X2	X3	X4	X5	X6	X8	X10	X12	X16	X20	X24	X30
LED QUANTITY	1	2	3	4	5	6	8	10	12	16	20	24	30
POWER	1,6W	3,2 W	4,7 W	6,3W	7,9 W	9,5 W	12,6 W	15,8 W	18.9 W	25,2 W	31,6 W	37,9 W	47,3 W
LUMINAIRE LENGTH	187	187	187	187	187	187	248	309	370	492	614	736	919

DIMMING

ND	no dimming
DALI	DALI dimmable

SENSORS - DAYLIGHT/PRESENCE

0	no sensor
1	sensor DALI on side
2	sensor DALI in the middle
3	sensor DIM on side
4	sensor DIM in the middle
5	sensor On/Off on side
6	sensor On/Off in the middle

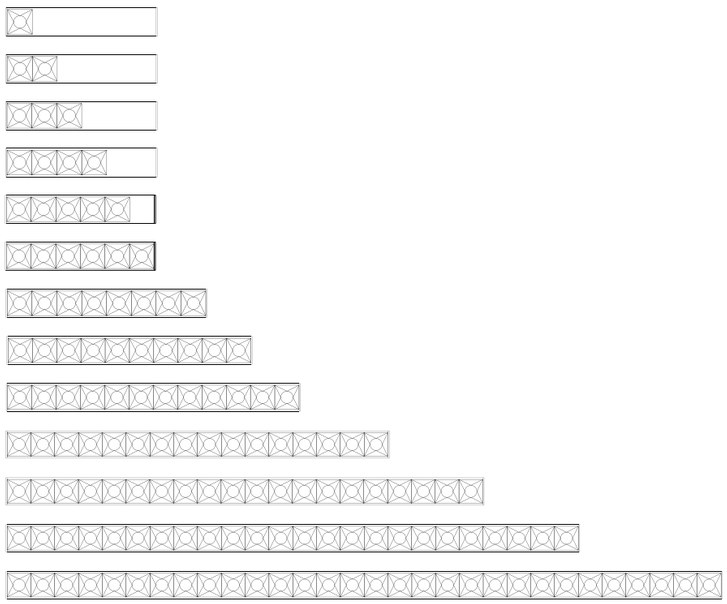
EMERGENCY

0	no emergency
EM	emergency 1h

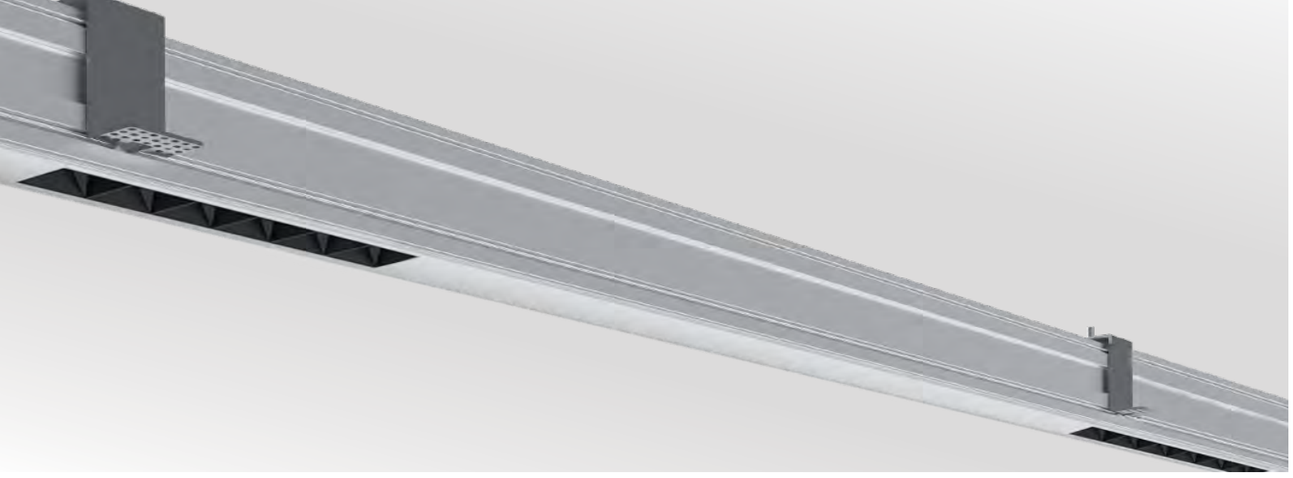
LENGTH

Surface	Trimless	
186mm	203mm	X1
186mm	203mm	X2
186mm	203mm	X3
186mm	203mm	X4
186mm	203mm	X5
186mm	203mm	X6
247mm	264mm	X8
308mm	325mm	X10
369mm	386mm	X12
491mm	508mm	X16
613mm	630mm	X20
735mm	752mm	X24
918mm	935mm	X30

LAYOUTS



Disclaimer:
Technical data is subject to change without prior notice.



Neman X - trimless modular

CONTINUOUS LINE LUMINAIRES

Highly-customizable and featuring a tasteful design, the Neman X Trimless luminaire is designed for installation inside ceilings and walls. Individual units can be connected to form a line of lighting.

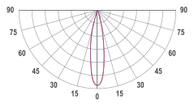
This luminaire has a powerful LED engine that offers a high color rendering index (CRI) of CRI80+ or CRI90+, and a white color range of between 2,700K and 4,000K. It is fitted with X shaped LED lights. The lights come with three-color anti-glare reflectors.

Smart and versatile, this is an excellent option for creative interior projects.

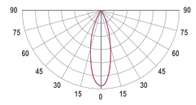
TECHNICAL DATA

Housing	Powder coated aluminium, plastic	
LED type	Nichia, 3step MacAdam	
LED lumen maintenance	L90B10; >60 000 h	
Electrical	230 VAC 50 Hz, integrated driver	External driver for North American market

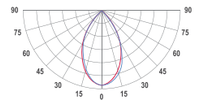
OPTICS



15° lense - D15



30° lense - D30



60° lense - D60

LOUVER COLORS

X black - XB

X silver - XS

X gold - XG

ENERGY EFFICIENT

HIGHEST QUALITY LED

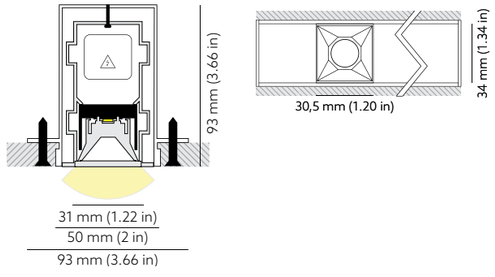
3-STEP MACADAM

CE COMPLIANT

MADE IN EUROPE

5 YEAR WARRANTY

TECHNICAL DRAWING



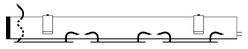
ORDER CODE

Order code example: NEMAN-X R MID PW X6-10 B D60 930 L1000 DALI

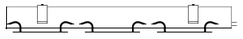
	Mounting type:	Segment type:	Housing color:	No of LEDs per group:		DST. between groups	Shade color:	Optics:	Spectrum:	Length:	Dimming:
NEMAN-X	R				-						
		STA Start segm. MID Middle segm. END End segm.	PW White PG Gray PB Black	X3 3 LEDs X6 6 LEDs		05 500 mm 10 1000 mm	B black S silver G gold	D15 15° lens D30 30° lens D60 60° lens			

SEGMENT TYPE

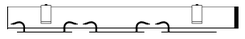
CONTINUOUS LINE MODULES



Start module - STA
Endcap at the start



Middle module - MID
No endcaps



End module - END
Endcap at the end

LUMEN OUTPUT

Lumen output of these Neman X luminaires is calculated by multiplying lumen output of single group by number of groups per luminaire/segment.

	No of LEDs per group:		No of groups per segment:
LUMEN OUTPUT =		*	

For Neman X continuous line systems, number of groups per luminaire/segment is determined by distance between group and the length of luminaire/segment. Use the table below to find many groups your desired length luminaire has.

NO OF LEDS PER GROUP

WHITE

NO. OF LEDS PER GROUP

	SPECTRUM	KELVINS	X3	X6
CRI 90+	927	2700K	386 lm	688 lm
	930	3000K	399 lm	797 lm
	935	3500K	413 lm	827 lm
	940	4000K	428 lm	856 lm
		WATTS	9,1 W	13,7 W

NUMBER OF GROUPS PER SEGMENT

	LENGTH			
	500 mm	1000 mm	2000 mm	3000 mm
DISTANCE BETWEEN GROUPS	1' 8"	3' 3"	6' 6"	9' 10"
	L500	L1000	L2000	L3000
500 mm	1	2	4	6
1000 mm	x	1	2	3

Calculation example:
Lumen output = X3 * 6 = 399 Lm * 6 groups = 2394 Lm

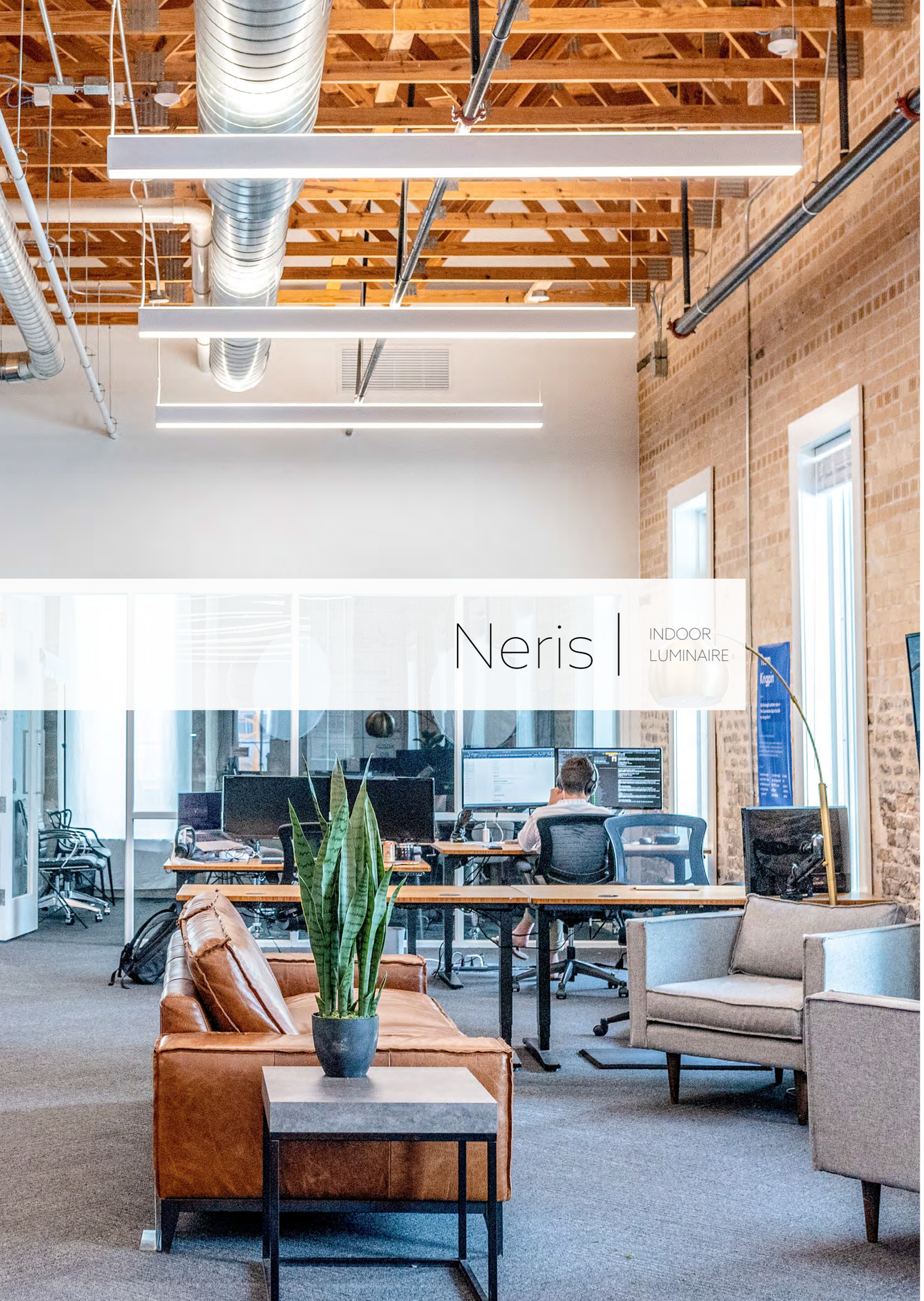
DISTANCE BETWEEN GROUPS

For Neman X continuous line systems we offer two variants of different light density, with either 500 or 1000 mm distance between group. Each end of luminaire has half the distance. That ensures that separate segments connect into one, uniform line

DIMMING

ND	no dimming
DALI	DALI dimmable

Disclaimer:
Technical data is subject to change without prior notice.



Neris | INDOOR LUMINAIRE

Meet our queen

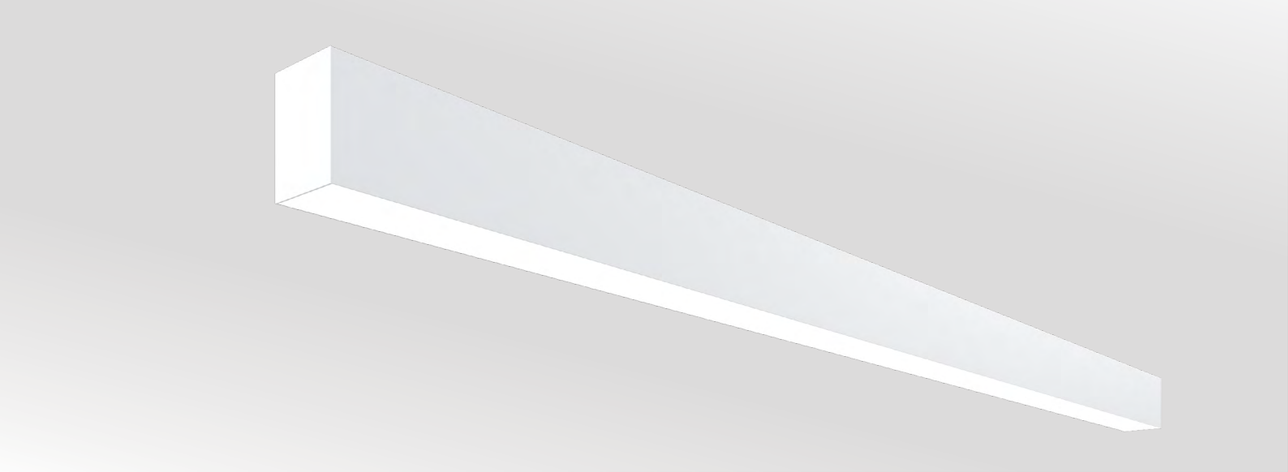
This innovative luminaire is designed to create a calm, soothing lighting environment, and is especially well suited to office lighting.

The Neris has a wide range of options for you to choose from to customize its installation and effect. It can be surface mounted or suspended and offers both direct and indirect light.

What makes the Neris unique is its ultra-low unified glare rating. These luminaires emit a high-quality soft light that is both pleasant and relaxing.

Order code explained

NERIS	S	STA	OP	PW	W27C	830	L1400	L1400	131	0	EM
FAMILY NAME Main information describing basis of the product	MOUNTING Determines the way luminaire will be mounted to the ceilings	SEGMENT TYPE Determines how segment connects with other segments	COVER Determines what light diffuser is used to cover light engine	HOUSING COLOR Color of segment body	LIGHT SOURCE Determines what LED strip will be used in the product	SPECTRUM Code for required Color rendering index and Color temperature	LENGTH Length of segment	DIMMING Determines if dimming feature is required	SPOTLIGHT Determines type of spotlights installed	SENSOR Determines type of sensors installed	EMERGENCY BATTERY Determines type of emergency battery installed



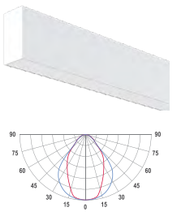
Neris - surface & pendant

INDIVIDUAL & CONTINUOUS LINE LUMINAIRES

The Neris Pendant luminaire is designed to be suspended using adjustable length wire, making it an excellent option for an office or retail spaces with high ceilings.

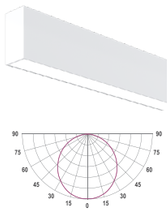
These luminaires are fitted with high quality 3 step MacAdam LEDs, which have a white color range of 2,700K – 4,000K, and a color rendering index of CRI80+ or CRI90+ (a CRI95+ option is also available).

The Neris Pendant has the versatility to complement a range of office spaces. Available in both a standard and a high-output version, these luminaires can be deployed as stand-alone lights or linked together to form a line of lighting.



MICROPRISMATIC - MP

Low glare
Comfortable light



OPAL - OP

Diffused light
White line effect

TECHNICAL DATA

LED type	Nichia, 3step MacAdam	
LED lumen maintenance	L90B10; >60 000 h	
Electrical	from 10W to 112 power 230 VAC 50 Hz Integrated driver	External driver for North American market

A+ ENERGY EFFICIENT

NICHIA HIGHEST QUALITY LED

STABILIZED CURRENT

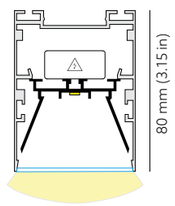
3-STEP MACADAM

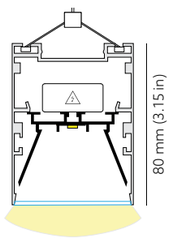
CE COMPLIANT

MADE IN EUROPE

5 YEAR WARRANTY

TECHNICAL DRAWING





HOUSING COLORS

Gray - AG

White - PW

Black - PB

Custom (RAL)

ORDER CODE

Order code example: NERIS S LUM OP PW W27C 830 L840 DALI

Product:	Mounting:	Segment type:	Optics:	Housing color:	Light source:	Spectrum:	LENGTH:	Dimming:	Spot:	Sensor:	Emerg:
NERIS	S								000	0	0
		LUM individual STA first segm. MID middle segm. END end segm.	MP Microprism OP Opal	PW White PG Gray PB Black	W17C Standard W27C High output				fill only if ordering these features		

SEGMENT TYPE

INDIVIDUAL LUMINAIRE

Luminaire - LUM
Endcaps at both ends

CONTINUOUS LINE MODULES

Start module - STA
Endcap at the start

Middle module - MID
No endcaps

End module - END
Endcap at the end

LUMEN VALUES

White

			OPAL				MICROPRISMATIC			
	SPECTRUM	KELVINS	STANDARD		HIGH OUTPUT		STANDARD		HIGH OUTPUT	
			lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft
CRI 80+	827	2700K	1757	536	2993	912	1875	571	3193	973
	830	3000K	1809	551	3083	940	1930	588	3289	1002
	835	3500K	1852	564	3154	961	1976	602	3365	1026
	840	4000K	1856	566	3163	964	1981	604	3375	1029
CRI 90+	927	2700K	1456	444	2491	759	1554	474	2658	810
	930	3000K	1499	457	2562	781	1599	487	2734	833
	935	3500K	1534	468	2624	800	1637	499	2799	853
	940	4000K	1551	473	2650	808	1655	504	2827	862
CRI 95+	027	2700K	1177	359	2013	614	1256	383	2147	654
	030	3000K	1203	367	2055	626	1283	391	2193	668
Contact factory	035	3500K	1229	375	2100	640	1311	400	2241	683
for CRI95+	040	4000K	1245	379	2126	648	1329	405	2269	692
		EFFICACY	100 Lm/W		103 Lm/W		106 Lm/W		109 Lm/W	

LENGTHS AND POWERS

CODE	LENGTH		STANDARD OUTPUT	HIGHT OUTPUT
L560	560 mm	1' 10"	10W	17W
L840	840 mm	2' 9"	16W	26W
L1120	1120 mm	3' 8"	21W	35W
L1400	1400 mm	4' 7"	26W	43W
L1680	1680 mm	5' 6"	31W	52W

CODE	LENGTH		STANDARD OUTPUT	HIGHT OUTPUT
L1960	1940 mm	6' 4"	37W	60W
L2240	2240 mm	7' 4"	42W	69W
L2520	2520 mm	8' 3"	47W	78W
L2800	2800 mm	9' 2"	52W	86W
L3080	3080 mm	10' 1"	57W	95W

DIMMING

ND	no dimming
DALI	DALI / PushDIM dimmable

SENSORS - DAYLIGHT/PRESENCE

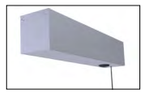
0	no sensor
SENSDALI	sensor DALI
SENSDIM	sensor DIM
SENSONOFF	sensor On/Off

EMERGENCY BATTERY

0	no emergency
EM	emergency 1h

ACCESORIES

CODE	DESCRIPTION
FEED-BOX-W	FeedBox white (for pendant luminaires)
FEED-BOX-G	FeedBox gray (for pendant luminaires)
FEED-BOX-B	FeedBox black (for pendant luminaires)



Disclaimer:
Technical data is subject to change without prior notice.

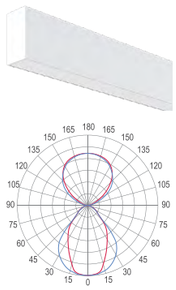
Neris - pendant direct/indirect

INDIVIDUAL & CONTINUOUS LINE LUMINAIRES

A creative option that is suitable for both task and general lighting, the Neris Pendant Direct/Indirect is a strong option for a range of office spaces.

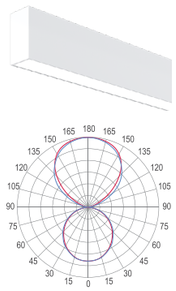
The downlight provides a focused, low-glare beam of light that is perfectly suited to working area illumination. Simultaneously, the uplight provides illumination for the whole office space via reflection from the ceiling.

This luminaire is available with two different downlight covers and optics: microprismatic and opal. These different covers give specific properties to the light emitted, which makes these luminaires suitable for a wide range of projects.



MICROPRISMATIC - MP

Low glare
Comfortable light



OPAL - OP

Diffused light
White line effect

TECHNICAL DATA

LED type	Nichia, 3step MacAdam	
LED lumen maintenance	L90B10; >60 000 h	
Electrical	from 26W to 136 power 230 VAC 50 Hz Integrated driver	External driver for North American market
Suspension cable	Silver coloured, length - 2 m	(6.56 ft)
Lead cable	Transparent, length - 2 m	(6.56 ft)

A+ ENERGY EFFICIENT

NICHIA HIGHEST QUALITY LED

STABILIZED CURRENT

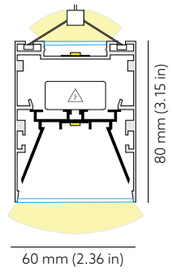
3-STEP MACADAM

CE COMPLIANT

MADE IN EUROPE

5 YEAR WARRANTY

TECHNICAL DRAWING



HOUSING COLORS

Gray - AG

White - PW

Black - PB

Custom (RAL)

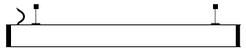
ORDER CODE

Order code example: NERIS P LUM OP PW W27C/W13C 830 L840 DALI

Product:	Mounting:	Segment type:	Optics:	Housing color:	Light source:	Spectrum:	LENGTH:	Dimming:	Spot:	Sensor:	Emerg:
NERIS	P								000	0	0
		LUM individual STA first segm. MID middle segm. END end segm.	MP Microprism OP Opal	PW White PG Gray PB Black	W17C/W17C Standard W27C/W13C High output				fill only if ordering these features		

SEGMENT TYPE

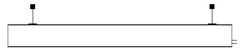
INDIVIDUAL LUMINAIRE



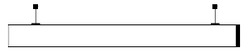
Luminaire - LUM
Endcaps at both ends

CONTINUOUS LINE MODULES

Start module - STA
Endcap at the start



Middle module - MID
No endcaps



End module - END
Endcap at the end

LUMEN VALUES

White

			OPAL				MICROPRISMATIC			
	SPECTRUM	KELVINS	STANDARD		HIGH OUTPUT		STANDARD		HIGH OUTPUT	
			lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft
CRI 80+	827	2700K	1757	536	2993	912	1875	571	3193	973
	830	3000K	1809	551	3083	940	1930	588	3289	1002
	835	3500K	1852	564	3154	961	1976	602	3365	1026
	840	4000K	1856	566	3163	964	1981	604	3375	1029
CRI 90+	927	2700K	1456	444	2491	759	1554	474	2658	810
	930	3000K	1499	457	2562	781	1599	487	2734	833
	935	3500K	1534	468	2624	800	1637	499	2799	853
	940	4000K	1551	473	2650	808	1655	504	2827	862
CRI 95+	027	2700K	1177	359	2013	614	1256	383	2147	654
	030	3000K	1203	367	2055	626	1283	391	2193	668
Contact factory	035	3500K	1229	375	2100	640	1311	400	2241	683
for CRI95+	040	4000K	1245	379	2126	648	1329	405	2269	692
		EFFICACY	100 Lm/W		103 Lm/W		106 Lm/W		109 Lm/W	

LENGTHS AND POWERS

CODE	LENGTH		STANDARD OUTPUT	HIGHT OUTPUT
L560	560 mm	1' 10"	10W	17W
L840	840 mm	2' 9"	16W	26W
L1120	1120 mm	3' 8"	21W	35W
L1400	1400 mm	4' 7"	26W	43W
L1680	1680 mm	5' 6"	31W	52W

CODE	LENGTH		STANDARD OUTPUT	HIGHT OUTPUT
L1960	1940 mm	6' 4"	37W	60W
L2240	2240 mm	7' 4"	42W	69W
L2520	2520 mm	8' 3"	47W	78W
L2800	2800 mm	9' 2"	52W	86W
L3080	3080 mm	10' 1"	57W	95W

DIMMING

ND	no dimming
DALI	DALI / PushDIM dimmable

SENSORS - DAYLIGHT/PRESENCE

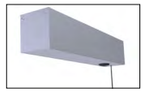
0	no sensor
SENSDALI	sensor DALI
SENSDIM	sensor DIM
SENSONOFF	sensor On/Off

EMERGENCY BATTERY

0	no emergency
EM	emergency 1h

ACCESORIES

CODE	DESCRIPTION
FEED-BOX-W	FeedBox white (for pendant luminaires)
FEED-BOX-G	FeedBox gray (for pendant luminaires)
FEED-BOX-B	FeedBox black (for pendant luminaires)



Disclaimer:
Technical data is subject to change without prior notice.

Outdoor lighting

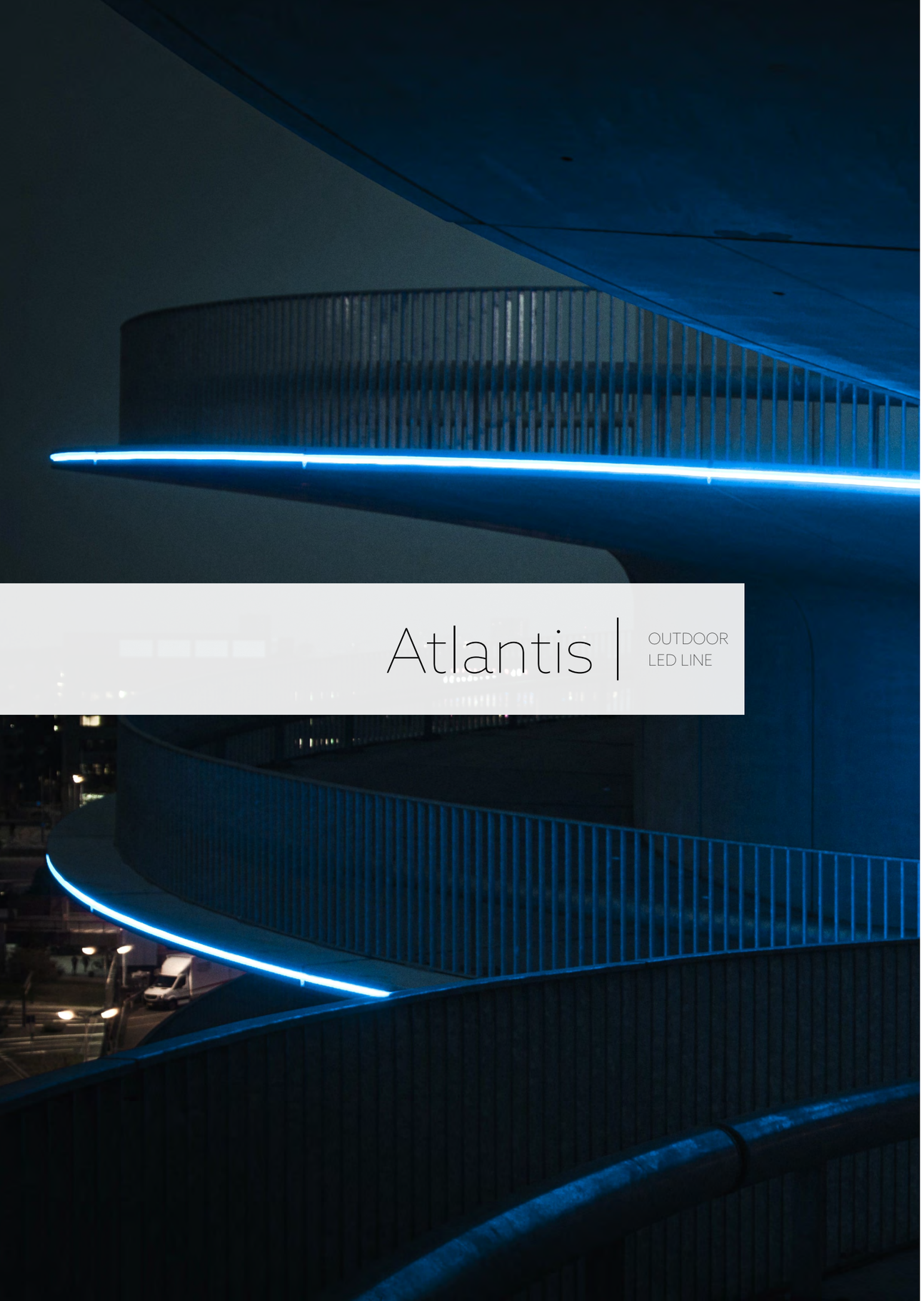
ATLANTIS | PAGE 99

AQUA | PAGE 107

ULA IP67 | PAGE 113

OUTDOOR LINES IP67 | PAGE 123

NEMAN IP66 | PAGE 35



Atlantis | OUTDOOR LED LINE

One way to bend the rules

Bendable at the top or side and fully connectable, the Atlantis is a flexible LED line suitable for a wide range of outdoor and indoor uses.

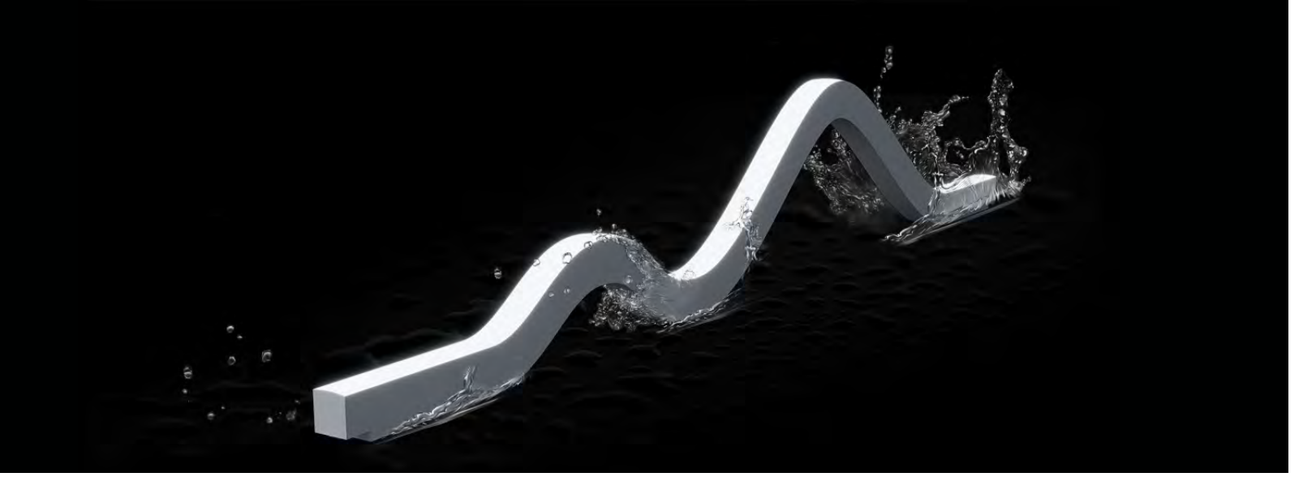
This LED line has been designed for easy installation along uneven surfaces like rounded edges, pillars, and coves. Individual lines can be connected seamlessly for a continuous light effect.

The Atlantis Side is fully equipped for outdoor use. It is dust and waterproof, salt and solvent-proof, and UV resistant. It has been rated at IP67 for ingress protection.

For decorative and direct lighting in any location, outdoors or indoors, the Atlantis is an excellent option.

Order code explained

ATLANTIS TOP	FL	14	/	O3	920
FAMILY NAME Main information describing basis of the product	LIGHT COLOR Determens light color	POWER LED strip wattage per meter		TYPE LED manufacturer & LED strip generation code	SPECTRUM Code for required Color rendering index and Color temperature



Atlantis Top

OUTDOOR FLEXIBLE LED LINES

Suitable for lighting uneven outdoor surfaces such as coves, pillars and rounded edges, the Atlantis Top is a flexible LED line that is versatile and robust.

This LED line has been specially designed for professional decorative outdoor lighting applications. It has an IP67 rating for ingress protection and is completely protected against solid particles and water. The Atlantis Top is salt and solvent-proof and fully UV resistant.

This flexible and ruggedized LED line is popular with lighting designers for decorative and direct lighting both outdoors and indoors.

TECHNICAL DATA

LEDs per meter	112 LEDs/m	34 LEDs/ft
Voltage	24 VDC (22.5 - 25 VDC)	
Cutting step	62,5 mm	2.46 in
Height	19 mm	0.75 in
Width	15 mm	0.59 in
Bend radius	R_{min}=15cm	R_{min} = 5.91 in
Light output ratio (LOR)	65%	
TC temperature	<75° C	<167° F
Operating temperature	-25°C...+50°C	-13°F...122°F
Beam angle	115°	
Dimmable	YES	

MAXIMUM LENGTH

4W	5 m	16'
9W	5 m	16'
14W	4,5 m	15'

L90B10 — >60 000 HOURS

NICHIA — HIGHEST QUALITY LED

STABILIZED CURRENT

3-STEP MACADAM

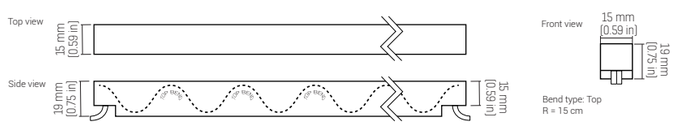
UL APPROVED

CE COMPLIANT

MADE IN EUROPE

5 YEAR WARRANTY

TECHNICAL DRAWING



ORDER CODE

Order code example: ATLANTIS TOP FL4/N3 820

Product:	Light color:	Power:		Type:	Spectrum:
ATLANTIS SIDE			/		

FL White
RGB RGB

LUMEN VALUES

CRI 80+

		POWER															
		4,8 W/m	1.5 W/ft	9,6 W/m	2.9 W/ft	14,4 W/m	4.4 W/ft	19,2 W/m	5.9 W/ft	24 W/m	7.3 W/ft	28,8 W/m	8.8 W/ft	33,4 W/m	10.2 W/ft	48 W/m	14.6 W/ft
SPECTRUM	KELVINS	4		9		14		19		24		28		33		48	
		lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft
820	2000K	215	66	408	124	586	178	-		-		-		-		-	
822	2200K	232	71	441	134	633	193	-		-		-		-		-	
825	2500K	258	79	489	149	703	214	-		-		-		-		-	
827	2700K	303	92	574	175	825	251	-		-		-		-		-	
830	3000K	312	95	592	180	850	259	-		-		-		-		-	
835	3500K	314	96	595	181	855	261	-		-		-		-		-	
840	4000K	314	96	595	181	855	261	-		-		-		-		-	
850	5000K	338	103	641	195	919	280	-		-		-		-		-	
	EFFICACY	71 lm/w		67 lm/w		64 lm/w											
	MAX RUN	14 m	46'	7 m	23'	4,5 m	15'										

CRI 90+

		POWER															
		4,8 W/m	1.5 W/ft	9,6 W/m	2.9 W/ft	14,4 W/m	4.4 W/ft	19,2 W/m	5.9 W/ft	24 W/m	7.3 W/ft	28,8 W/m	8.8 W/ft	33,4 W/m	10.2 W/ft	48 W/m	14.6 W/ft
SPECTRUM	KELVINS	4		9		14		19		24		28		33		48	
		lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft
920	2000K	185	56	347	106	495	151	-		-		-		-		-	
922	2200K	200	61	376	115	535	163	-		-		-		-		-	
925	2500K	217	66	408	124	581	177	-		-		-		-		-	
927	2700K	256	78	483	147	692	211	-		-		-		-		-	
930	3000K	263	80	496	151	710	216	-		-		-		-		-	
935	3500K	269	82	508	155	727	222	-		-		-		-		-	
940	4000K	272	83	513	156	735	224	-		-		-		-		-	
950	5000K	286	87	540	165	774	236	-		-		-		-		-	
	EFFICACY	59 lm/w		56 lm/w		54 lm/w											
	MAX RUN	14 m	46'	7 m	23'	4,5 m	15'										

RGB

		POWER															
		4,8 W/m	1.5 W/ft	8,6 W/m	2.6 W/ft	14,4 W/m	4.4 W/ft	17,3 W/m	5.3 W/ft	24 W/m	7.3 W/ft	28,8 W/m	8.8 W/ft	33,4 W/m	10.2 W/ft	48 W/m	14.6 W/ft
SPECTRUM	COLOR	4		8		14		17		24		28		33		48	
								lm/m	lm/ft								
RGB	Red	-		-		-		71	22	-		-		-		-	
	Green	-		-		-		245	75	-		-		-		-	
	Blue	-		-		-		52	16	-		-		-		-	
	Total	-		-		-		368	112	-		-		-		-	
	EFFICACY							21 lm/w									
	MAX RUN							4 m	13'								

Cutting step: 125 mm

For information about accessories options see page 96

Disclaimer:
Technical data is subject to change without prior notice.
Tolerances of +-5% in luminous flux and light color should be accepted.

Atlantis Side

OUTDOOR FLEXIBLE LED LINES

Our Atlantis Side bendable IP67 LED lines have been designed for outdoor lighting projects that need a creative and flexible lighting solution.

With flexible polyurethane housing, the Atlantis can adjust to the organic geometry of building facades and structures while ensuring a uniform light effect.

Fully encapsulated and protected from the elements, these high quality LED strips are built for long-term professional applications.

TECHNICAL DATA

LEDs per meter	112 LEDs/m	34 LEDs/ft
Voltage	24 VDC (22.5 - 25 VDC)	
Cutting step	62,5 mm	2.46 in
Height	19 mm	0.75 in
Width	15 mm	0.59 in
Bend radius	R_{min} = 15cm	R_{min} = 5.91 in
Light output ratio (LOR)	65%	
TC temperature	<75° C	<167° F
Operating temperature	-25°C...+50°C	-13°F...122°F
Beam angle	120°	
Dimmable	YES	

MAXIMUM LENGTH

4W	5 m	16'
9W	5 m	16'
14W	4.5 m	15'

L90B10 — >60 000 HOURS

NICHIA — HIGHEST QUALITY LED

STABILIZED CURRENT

3-STEP MACADAM

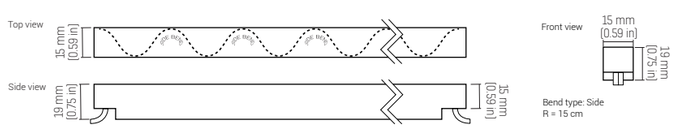
UL APPROVED

CE COMPLIANT

MADE IN EUROPE

5 YEAR WARRANTY

TECHNICAL DRAWING



ORDER CODE

Order code example: ATLANTIS SIDE FL4/N3 820

Product:	Light color:	Power:	Type:	Spectrum:
ATLANTIS SIDE			/	

FL White
RGB RGB

LUMEN VALUES

CRI 80+

		POWER															
		4,8 W/m	1.5 W/ft	9,6 W/m	2.9 W/ft	14,4 W/m	4.4 W/ft	19,2 W/m	5.9 W/ft	24 W/m	7.3 W/ft	28,8 W/m	8.8 W/ft	33,4 W/m	10.2 W/ft	48 W/m	14.6 W/ft
SPECTRUM	**KELVINS**	4		9		14		19		24		28		33		48	
		lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft
820	2400K	202	62	384	117	551	168	-		-		-		-		-	
822	2700K	219	67	415	126	595	182	-		-		-		-		-	
825	3000K	243	74	460	140	661	201	-		-		-		-		-	
827	3600K	285	87	540	165	776	237	-		-		-		-		-	
830	4000K	294	89	557	170	800	244	-		-		-		-		-	
835	4700K	295	90	560	171	804	245	-		-		-		-		-	
840	5500K	295	90	560	171	804	245	-		-		-		-		-	
850	7400K	318	97	603	184	864	263	-		-		-		-		-	
	EFFICACY	66 lm/w		63 lm/w		60 lm/w											
	MAX RUN	14 m	46'	7 m	23'	4,5 m	15'										

CRI 90+

		POWER															
		4,8 W/m	1.5 W/ft	9,6 W/m	2.9 W/ft	14,4 W/m	4.4 W/ft	19,2 W/m	5.9 W/ft	24 W/m	7.3 W/ft	28,8 W/m	8.8 W/ft	33,4 W/m	10.2 W/ft	48 W/m	14.6 W/ft
SPECTRUM	**KELVINS**	4		9		14		19		24		28		33		48	
		lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft
920	2400K	174	53	327	100	466	142	-		-		-		-		-	
922	2600K	188	57	354	108	826	252	-		-		-		-		-	
925	2900K	205	62	384	117	896	273	-		-		-		-		-	
927	3400K	241	74	455	139	1067	325	-		-		-		-		-	
930	3700K	247	75	466	142	1094	334	-		-		-		-		-	
935	4400K	253	77	478	146	1121	342	-		-		-		-		-	
940	5400K	256	78	483	147	1133	345	-		-		-		-		-	
950	9500K	269	82	508	155	1194	364	-		-		-		-		-	
	EFFICACY	56 lm/w		53 lm/w		83 lm/w											
	MAX RUN	14 m	46'	7 m	23'	4,5 m	15'										

RGB

		POWER															
		4,8 W/m	1.5 W/ft	8,6 W/m	2.6 W/ft	14,4 W/m	4.4 W/ft	17,3 W/m	5.3 W/ft	24 W/m	7.3 W/ft	28,8 W/m	8.8 W/ft	33,4 W/m	10.2 W/ft	48 W/m	14.6 W/ft
SPECTRUM	**COLOR**	4		8		14		17		24		28		33		48	
								lm/m	lm/ft								
RGB	Red	-		-		-		71	22	-		-		-		-	
	Green	-		-		-		245	75	-		-		-		-	
	Blue	-		-		-		52	16	-		-		-		-	
	Total	-		-		-		368	112	-		-		-		-	
	EFFICACY							21 lm/w									
	MAX RUN							4 m	13'								

Cutting step: 125 mm

For informatio about accessories options see page 96

Disclaimer:
Technical data is subject to change without prior notice.
Tolerances of +-5% in luminous flux and light color should be accepted.

Accessories

FOR OUTDOOR FLEXIBLE LED LINES

SOCKET CONNECTORS

CODE	DESCRIPTION
CON-HI-IP-2F LXXX	2-pin socket
CON-HI-IP-3F LXXX	3-pin socket
CON-HI-IP-4F LXXX	4-pin socket
CON-HI-IP-5F LXXX	5-pin socket

F L

SOCKET/PLUG CONNECTORS

CODE	DESCRIPTION
CON-HI-IP-2M/2F LXXX	2-pin extention
CON-HI-IP-3M/3F LXXX	3-pin extention
CON-HI-IP-4M/4F LXXX	4-pin extention
CON-HI-IP-5M/5F LXXX	5-pin extention

M F

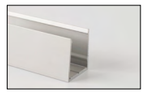
PLUG CONNECTORS

CODE	DESCRIPTION
CON-HI-IP-2M LXXX	2-pin plug
CON-HI-IP-3M LXXX	3-pin plug
CON-HI-IP-4M LXXX	4-pin plug
CON-HI-IP-5M LXXX	5-pin plug

M L

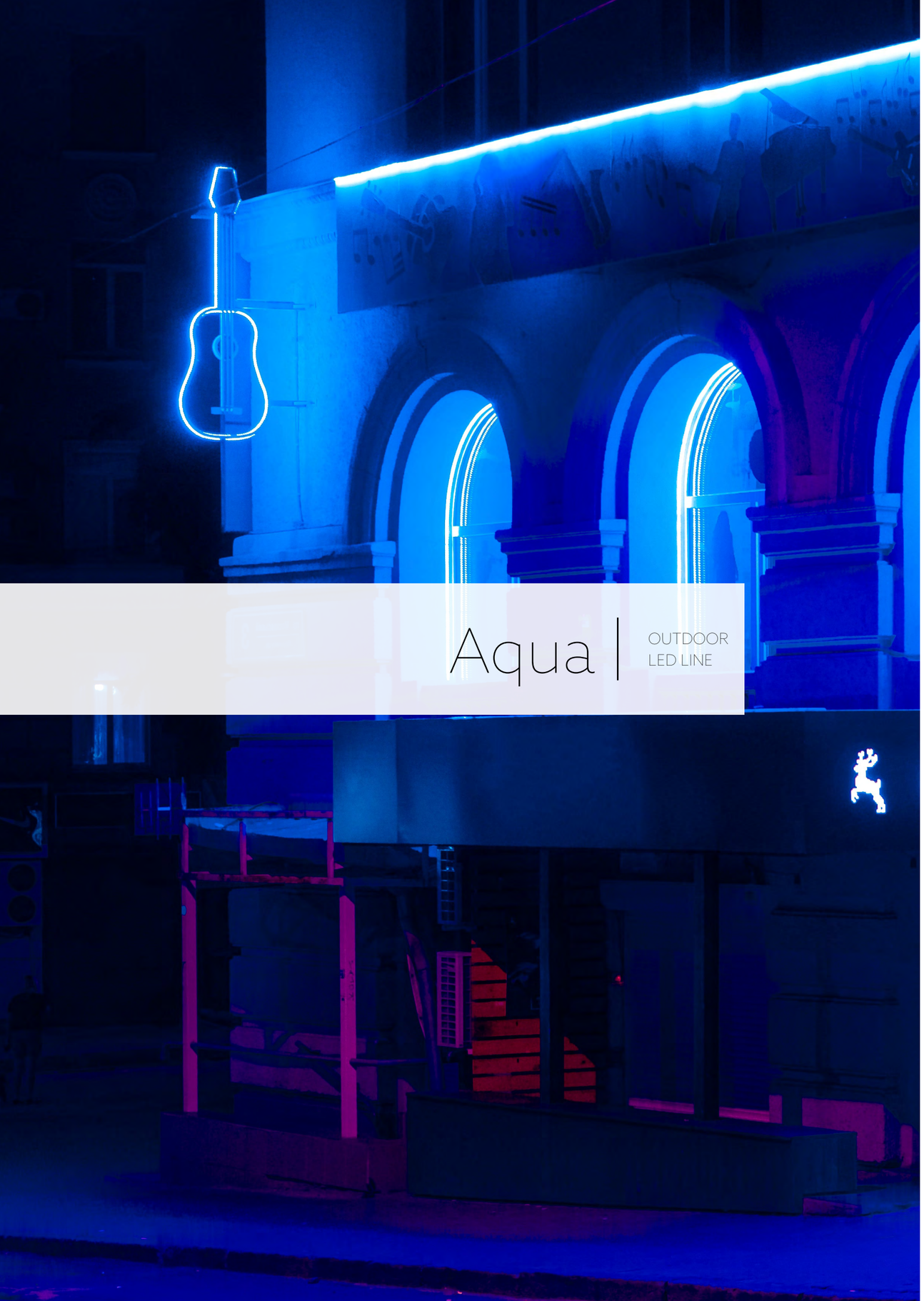
ATLANTIS MOUNTING PROFILE

CODE	DESCRIPTION
Atlantis.Fix L50	ALU anod. profile, 50 mm
Atlantis.Fix L1000	ALU anod. profile, 1000 mm
Atlantis.Fix L2000	ALU anod. profile, 2000 mm



WIRE LENGTHS AVAILABLE

CODE	L150	L500	L1000	L2000
Length	150 mm	500 mm	1000 mm	2000 mm
	5.9 in	1 ft 8 in	3 ft 3 in	6 ft 6 in



Aqua | OUTDOOR LED LINE

Wraps around one's little finger. Literally.

Our Aqua IP67 LED line combines exceptional flexibility and robustness together with a small size, for an outdoor lighting solution that's ideal for lighting hard-to-reach areas.

It features high-mark ingress protection and excellent LED strip durability for long-term outdoor use.

Ideal for linear decorative lighting, cove lighting, edge lighting and curved applications, this slim LED line offers versatility and reliability for lighting outdoor spaces and wet indoor locations.

Order code explained

AQUA | TW-56 - 9 / N3 - 820/865

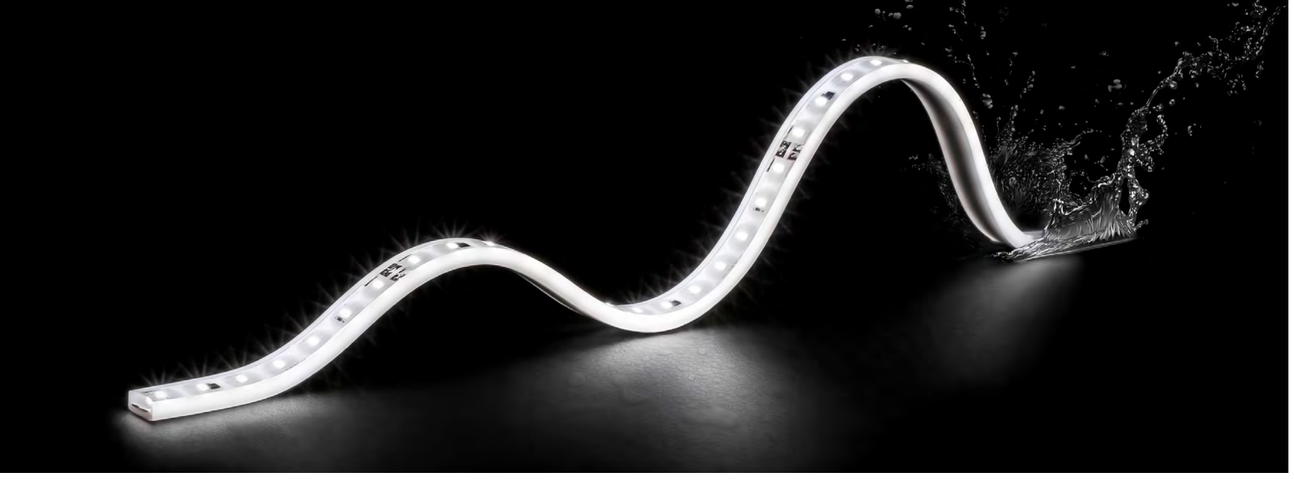
FAMILY NAME
Main information describing basis of the product

LIGHT ENGINE
Determines what LED strip will be used in the product

POWER
LED strip wattage per meter

TYPE
LED manufacturer & LED strip generation code

SPECTRUM
Code for required Color rendering index and Color temperature



Aqua

OUTDOOR FLEXIBLE LED LINES

This waterproof IP67 LED line is small, tough and incredibly flexible. It has a small bend radius, making it perfectly suited to decorative, cove and edge lighting both outdoors and in wet indoor locations like bathrooms and pool areas. It can even handle curved surfaces.

The Aqua is fitted with the highest quality materials for excellent durability. It features NICHIA LEDs made in Japan, and a current stabilization system. The housing is waterproof, UV resistant, and salt and solvent proof. It is very easy to mount and clean, and does not attract dust or dirt.

Its small size and bend radius combined with a ruggedized design make this a reliable and versatile long-term choice for creative outdoor lighting.

TECHNICAL DATA

LEDs per meter	56 LEDs/m	17 LEDs/ft
Voltage	24 VDC (22.5 - 25 VDC)	
Cutting step	125 mm	4.92 in
Height	4 mm	0.15 in
Width	12 mm	0.47 in
Bend radius	R_{min}=10cm	R_{min} = 3.94 in
Light output ratio (LOR)	76%	
TC temperature	<75° C	<167° F
Operating temperature	-25°C...+50°C	-13°F...122°F
Beam angle	112°	
Dimmable	YES	

L90B10 — >60 000 HOURS

NICHIA — HIGHEST QUALITY LED

STABILIZED CURRENT

3-STEP MACADAM

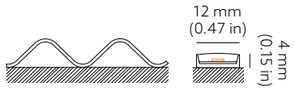
UL APPROVED

CE COMPLIANT

MADE IN EUROPE

5 YEAR WARRANTY

TECHNICAL DRAWING



ORDER CODE

Order code example: AQUA FL-56-9/N3-820

Product:	Light engine		Power:		Type:		Spectrum:
AQUA		-		/		-	

FL-56	white	N3	white
TW-56	tunable white	N3	tunable white
RGB-48	RGB	O3	RGB
		O3	RGBW

LIGHT ENGINE

White

		POWER							
		4,8 W/m 1.5 W/ft	9,6 W/m 2.9 W/ft	14,4 W/m 4.4 W/ft	19,2 W/m 5.9 W/ft	24 W/m 7.3 W/ft	28,8 W/m 8.8 W/ft	33,4 W/m 10.2 W/ft	48 W/m 14.6 W/ft
SPECTRUM	KELVINS	4	9	14	19	24	28	33	48
820/822/825/827/830/	CRI 80+	385-420 lm/m	777-1214	1152-1770	-	-	-	-	-
835/840/850	2000-5000K	117-189 lm/ft	237-370	351-540	-	-	-	-	-
920/922/925/927/930/	CRI 90+	333-530 lm/m	651-1046	945-1527	-	-	-	-	-
935/940/950	2000-5000K	101-162 lm/ft	198-319	288-465	-	-	-	-	-
027/030/035/040	CRI 95+	424-477 lm/m	790-895	1122-1277	-	-	-	-	-
	2700-4000K	129-145 lm/ft	241-273	342-389	-	-	-	-	-
Cutting step: 125 mm	EFFICACY	129 lm/w	127 lm/w	123 lm/w					
	MAX RUN	10 m 33'	5 m 16'	4 m 13'					

Tunable

			POWER							
			4,8 W/m 1.5 W/ft	9,6 W/m 2.9 W/ft	14,4 W/m 4.4 W/ft	19,2 W/m 5.9 W/ft	24 W/m 7.3 W/ft	28,8 W/m 8.8 W/ft	33,4 W/m 10.2 W/ft	48 W/m 14.6 W/ft
SPECTRUM		KELVINS	4	9	14	19	24	28	33	48
820/865	825/857	CRI 80+	-	986-1158 lm/m	-	-	-	-	-	-
827/857	827/850	2000-5000K	-	300-353 lm/ft	-	-	-	-	-	-
920/950	925/950	CRI 90+	-	851-999 lm/m	-	-	-	-	-	-
927/950		2000-5000K	-	259-304 lm/ft	-	-	-	-	-	-
Cutting step: 125 mm		EFFICACY		138 lm/w						
		MAX RUN		8,5 m 28'						

RGB

		POWER							
		4,8 W/m 1.5 W/ft	8,6 W/m 2.6 W/ft	14,4 W/m 4.4 W/ft	17,3 W/m 5.3 W/ft	24 W/m 7.3 W/ft	28,8 W/m 8.8 W/ft	33,4 W/m 10.2 W/ft	48 W/m 14.6 W/ft
SPECTRUM	COLOR	4	8	14	17	24	28	33	48
RGB	Red	-	42 lm/m 13 lm/ft	70 18	-	-	-	-	-
	Green	-	144 lm/m 44 lm/ft	239 62	-	-	-	-	-
	Blue	-	30 lm/m 9 lm/ft	51 13	-	-	-	-	-
	Total	-	216 lm/m 66 lm/ft	360 93	-	-	-	-	-
Cutting step: 125 mm	EFFICACY		25 lm/w	25 lm/w					
	MAX RUN		5 m 16'	4,5 m 15'					

For information about accessories options see page 102

Disclaimer:
Technical data is subject to change without prior notice.
Tolerances of +-5% in luminous flux and light color should be accepted.

Accessories

FOR OUTDOOR FLEXIBLE LED LINES

SOCKET CONNECTORS

CODE	DESCRIPTION
CON-HI-IP-2F LXXX	2-pin socket
CON-HI-IP-3F LXXX	3-pin socket
CON-HI-IP-4F LXXX	4-pin socket
CON-HI-IP-5F LXXX	5-pin socket

F L

SOCKET/PLUG CONNECTORS

CODE	DESCRIPTION
CON-HI-IP-2M/2F LXXX	2-pin extention
CON-HI-IP-3M/3F LXXX	3-pin extention
CON-HI-IP-4M/4F LXXX	4-pin extention
CON-HI-IP-5M/5F LXXX	5-pin extention

M F

PLUG CONNECTORS

CODE	DESCRIPTION
CON-HI-IP-2M LXXX	2-pin plug
CON-HI-IP-3M LXXX	3-pin plug
CON-HI-IP-4M LXXX	4-pin plug
CON-HI-IP-5M LXXX	5-pin plug

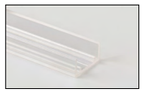
M L

AQUA MOUNTING KITS

CODE	DESCRIPTION
Mounting kit BASIC	Silicon dispenser pistol; clear end-cap (10 pcs); sealant; static mixers (5pcs)
Mounting kit PRO	Silicon dispenser pistol (pro); clear end-cap (10 pcs); sealant; static mixers (10pcs); sealing mould (2pcs)

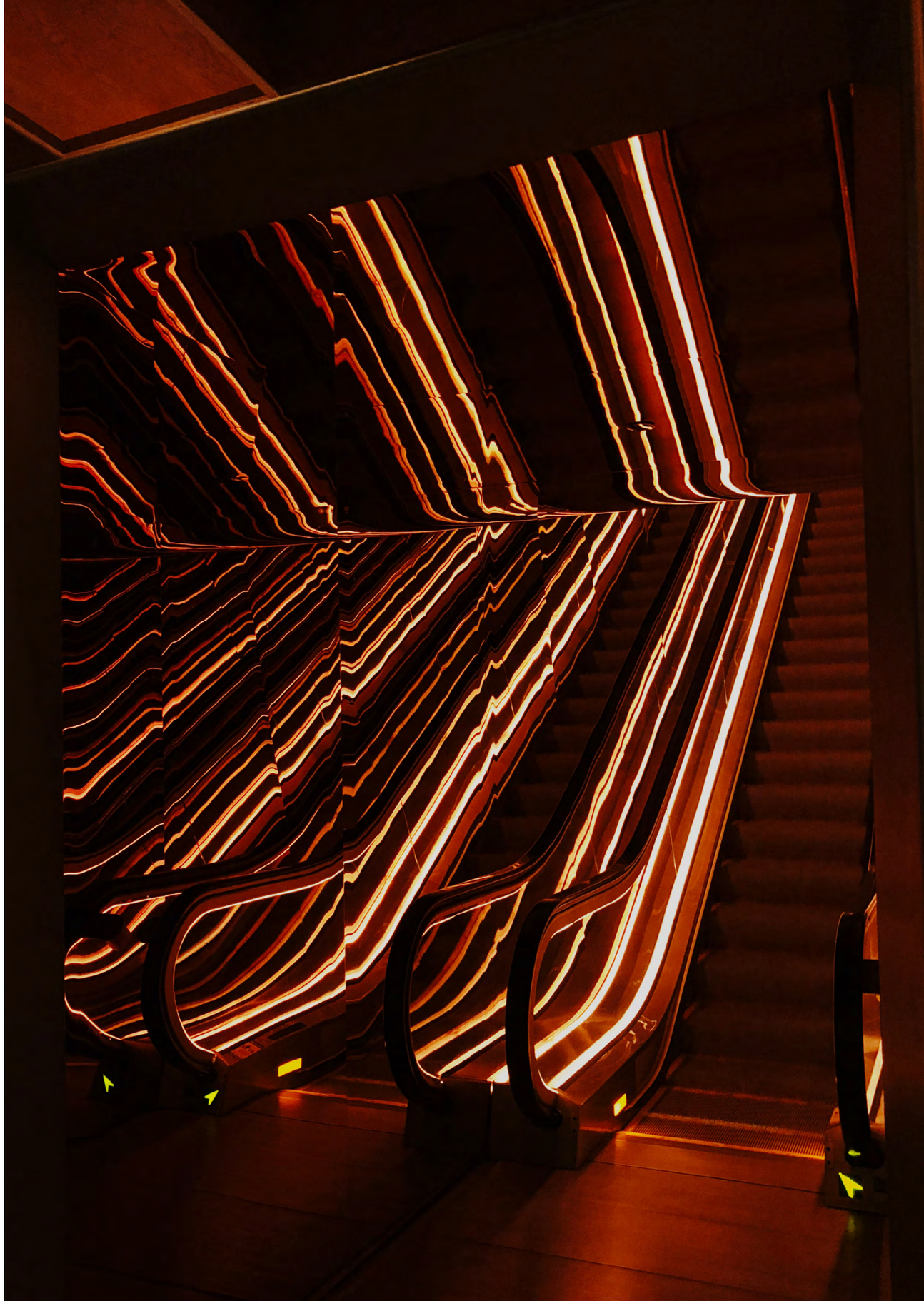
AQUA MOUNTING BRACKETS

CODE	DESCRIPTION
Aqua.FIX L1000	Mounting profile, transparent length - 1000 mm
Aqua.FIX L2000	Mounting profile, transparent length - 2000 mm
Aqua.FIX L3000	Mounting profile, transparent length - 3000 mm
Aqua FIX L50	Plastic holder, transparent
Tape DB	Double adhesive tape 25m



WIRE LENGTHS AVAILABLE

CODE	L150	L500	L1000	L2000
Length	150 mm	500 mm	1000 mm	2000 mm
	5.9 in	1 ft 8 in	3 ft 3 in	6 ft 6 in



Ula IP67 | OUTDOOR MODULAR LIGHTING

Hide behind its back

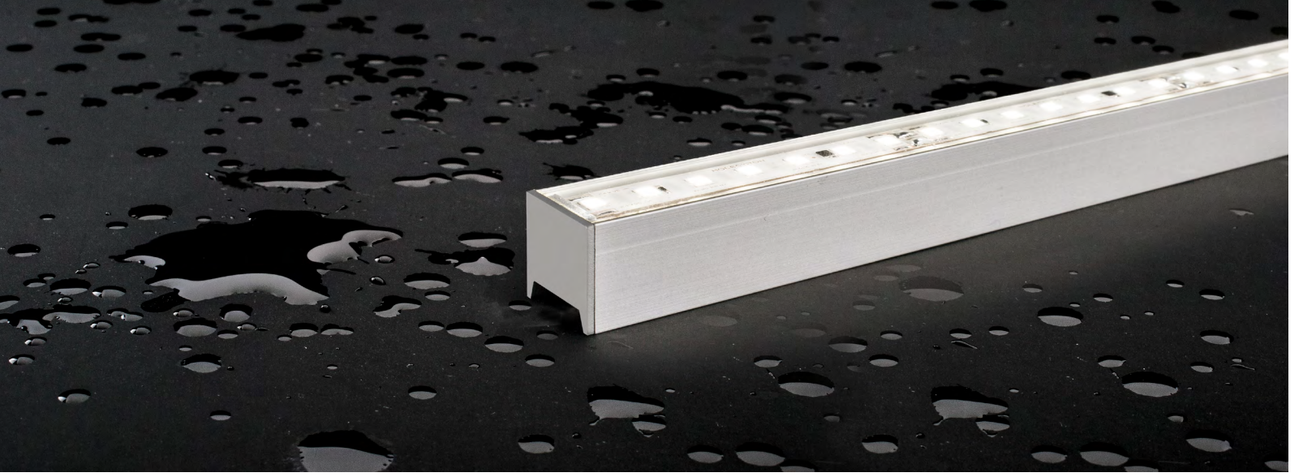
Ula IP67 modular outdoor lights are a universally applicable linear lighting solution for outdoors. Just as its indoor sister, Ula IP67 modular profiles can house any Holectron LED strip inside it, which makes this product suitable for general, cove, accent and other types of lighting. Alongside of that, three size profiles make sure these lights will cover all needs for surface mounted lighting.

Light engines of Ula IP67 modular lights are encapsulated inside polyurethane sealant and that makes them protected from water and dust.

Ula modular lights stand out among competitive products by hiding connectors and brackets, and by ensuring end to end contact at connection points. This ensures that uniform light effect along the continuous line. In addition, these lights are easily installed which makes them a favorite not only among lighting designers, but among installation crews as well.

Order code explained

ULA S IP67	FUL	TW-56	-	19	/	N3	-	820/865	PW	L1000
FAMILY NAME Main information describing basis of the product	SEGMENT TYPE Determines how segment connects with other segments	LIGHT ENGINE Determines what LED strip will be used in the product		POWER LED strip wattage per meter		TYPE LED manufacturer & LED strip generation code		SPECTRUM Code for required Color rendering index and Color temperature	HOUSING COLOR Color of segment body	LENGTH Length of segment



Ula S IP67 - clear

OUTDOOR MODULAR LED LIGHT SYSTEMS

ULA S IP67 rated encapsulated modular LED lighting systems are designed for long-term professional continuous line lighting applications.
Modules can be easily connected to each other seamlessly without any spaces in between. Easy to install and seamlessly integrate with the surface.
Each module has integrated connectors for easy and reliable connection to other modules. Connectors are hidden inside the modules.
Linear modules can be combined with any Holectron's LED tapes powered up to 24 W/m.

TECHNICAL DATA

Cover	Clear / Opal (available on request)	
Beam angle	120°	
Connection	Imput: plug; Output: socket	
Light output ratio (LOR)	64%	
Dimmable	YES	
Operating temperature	-25°C...+50°C	-13°F...122°F
Storage temperature	-40°C – 80°C	-40°F – 176°F
Voltage	24 VDC (22.5 - 25 VDC)	

SEGMENT TYPES

STANDALONE

Luminaire - LUM
Endcaps at both ends

CONTINUOUS LINE

Start module - STA
Endcap at the start

Middle module - MID
No endcaps

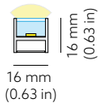
End module - END
Endcap at the end

Full module - FUL
Endcaps at both ends

IP67 FOR OUTDOOR
NICHIA HIGHEST QUALITY LED
STABILIZED CURRENT
3-STEP MACADAM

UL APPROVED
CE COMPLIANT
MADE IN EUROPE
5 YEAR WARRANTY

TECHNICAL DRAWING



HOUSING COLORS

Gray - AG

White - PW

Black - PB

Custom (RAL)

ORDER CODE

Order code example: ULA S IP67 LUM FL-56-9/N3-830 AG L2000

Product:	Segment type:	Light engine:		Power:		Type:		Spectrum:	Housing color:	Length:
ULA S IP67			-		/		-			

Segment type:		Light engine:		Type:		Housing color:		Length:	
LUM	individual	FL-56	white	N3	white	AG	Gray	L125	125 mm
STA	first segment	TW-56	tunable white	N3	tunable white	PW	Painted White	L250	250 mm
MID	middle segment	RGB-48	RGB	O3	RGB	PB	Painted Black	L500	500 mm
END	end segment							L1000	1000 mm
FUL	continuous individual							L1500	1500 mm
								L2000	2000 mm
								L3000	3000 mm
								Lxxxx	Custom

LIGHT ENGINE

White

		POWER							
		4,8 W/m 1.5 W/ft	9,6 W/m 2.9 W/ft	14,4 W/m 4.4 W/ft	19,2 W/m 5.9 W/ft	24 W/m 7.3 W/ft	28,8 W/m 8.8 W/ft	33,4 W/m 10.2 W/ft	48 W/m 14.6 W/ft
SPECTRUM	KELVINS	4	9	14	19	24	28	33	48
820/822/825/827/830/	CRI 80+	329-514 lm/m	656-999	950-1444	1244-1902	1514-2319	-	-	-
835/840/850/857/865	2000-5000K	100-157 lm/ft	200-304	290-440	379-580	461-707	-	-	-
920/922/925/927/930/	CRI 90+	383-598 lm/m	531-861	762-1238	996-1620	1208-1969	-	-	-
935/940/950/957/965	2000-5000K	117-182 lm/ft	162-263	232-377	304-494	368-600	-	-	-
027/030/035/040/050	CRI 95+	447-507 lm/m	622-710	880-1009	1147-1318	1392-1604	-	-	-
	2700-4000K	136-154 lm/ft	190-216	268-307	350-402	424-489	-	-	-
Cutting step: 125 mm	EFFICACY	107 lm/w	104 lm/w	100 lm/w	99 lm/w	97 lm/w			
	MAX RUN	10 m 33'	5 m 16'	4 m 13'	3 m 10'	3 m 10'			

Tunable

		POWER							
		4,8 W/m 1.5 W/ft	9,6 W/m 2.9 W/ft	14,4 W/m 4.4 W/ft	19,2 W/m 5.9 W/ft	24 W/m 7.3 W/ft	28,8 W/m 8.8 W/ft	33,4 W/m 10.2 W/ft	48 W/m 14.6 W/ft
SPECTRUM	KELVINS	4	9	14	19	24	28	33	48
820/865 825/857	CRI 80+	-	826-970 lm/m	-	1620-1908	-	-	-	-
827/857 827/850	2000-6500K	-	252-296 lm/ft	-	494-582	-	-	-	-
920/965 925/957	CRI 90+	-	713-837 lm/m	-	1382-1625	-	-	-	-
927/950	2000-6500K	-	217-255 lm/ft	-	421-495	-	-	-	-
Cutting step: 125 mm	EFFICACY		101 lm/w		132 lm/w				
	MAX RUN		8 m 26'		5 m 16'				

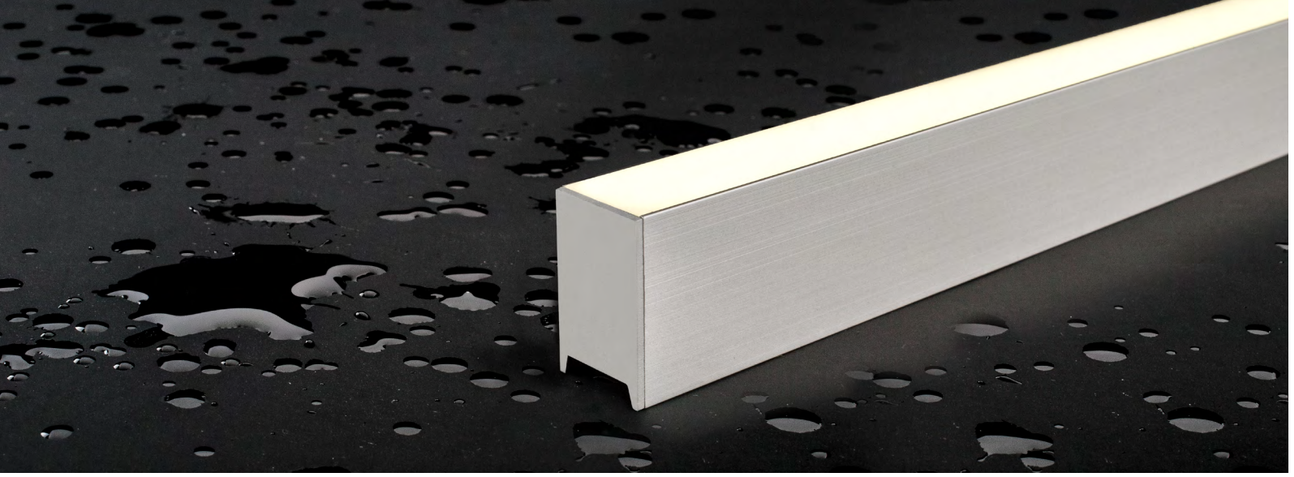
Custom color temperatures ranges available on request.

RGB

		POWER							
		4,8 W/m 1.5 W/ft	8,6 W/m 2.6 W/ft	14,4 W/m 4.4 W/ft	17,3 W/m 5.3 W/ft	24 W/m 7.3 W/ft	28,8 W/m 8.8 W/ft	33,4 W/m 10.2 W/ft	48 W/m 14.6 W/ft
SPECTRUM	COLOR	4	8	14	17	24	28	33	48
RGB	Red	-	35 lm/m 11 lm/ft	59 15	70 21	-	117 36	-	-
	Green	-	120 lm/m 37 lm/ft	201 52	241 73	-	401 122	-	-
	Blue	-	25 lm/m 8 lm/ft	43 11	51 16	-	85 26	-	-
	Total	-	181 lm/m 55 lm/ft	302 78	362 110	-	604 184	-	-
Cutting step: 125 mm	EFFICACY		21 lm/w	21 lm/w	21 lm/w		21 lm/w		
	MAX RUN		5 m 16'	4,5 m 15'	4 m 13'		3 m 10'		

For information about accessories options see page 112

Disclaimer:
Technical data is subject to change without prior notice.
Tolerances of +-5% in luminous flux and light color should be accepted.



Ula M IP67 - opal

OUTDOOR MODULAR LED LIGHT SYSTEMS

ULA M IP67 rated encapsulated modular LED lighting systems are designed for long-term professional continuous line lighting applications.
Each waterproof linear module has integrated connectors for easy and reliable connection to other modules. Connectors are hidden inside the modules.
Linear modules can be combined with any Holectron's LED tapes powered up to 24 W/m.

TECHNICAL DATA

Cover	Opal / Clear (available on request)	
Beam angle	120°	
Connection	Imput: plug; Output: socket	
Light output ratio (LOR)	45%	
Dimmable	YES	
Operating temperature	-25°C...+50°C	-13°F...122°F
Storage temperature	-40°C — 80°C	-40°F — 176°F
Voltage	24 VDC (22.5 - 25 VDC)	

SEGMENT TYPES

STANDALONE

Luminaire - LUM
Endcaps at both ends

CONTINUOUS LINE

Start module - STA
Endcap at the start

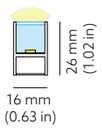
Middle module - MID
No endcaps

End module - END
Endcap at the end

Full module - FUL
Endcaps at both ends

IP67 FOR OUTDOOR
NICHIA HIGHEST QUALITY LED
STABILIZED CURRENT
3-STEP MACADAM
UL APPROVED
CE COMPLIANT
MADE IN EUROPE
5 YEAR WARRANTY

TECHNICAL DRAWING



HOUSING COLORS

Gray - AG
White - PW
Black - PB
Custom (RAL)

ORDER CODE

Order code example: ULA M IP67 LUM FL-112-9/N3-830 AG L2000

Product:	Segment type:	Light engine		Power:		Type:		Spectrum:	Housing color:	Length:
ULA M IP67			-		/		-			

Segment type:		Light engine		Type:		Housing color:		Length:	
LUM	individual	FL-112	white	N3	white	AG	Gray	L125	125 mm
STA	first segment	RGB-96	RGB	O3	RGB	PW	Painted White	L250	250 mm
MID	middle segment					PB	Painted Black	L500	500 mm
END	end segment							L1000	1000 mm
FUL	continuous individual							L1500	1500 mm
								L2000	2000 mm
								L3000	3000 mm
								Lxxxx	Custom

LIGHT ENGINE

White

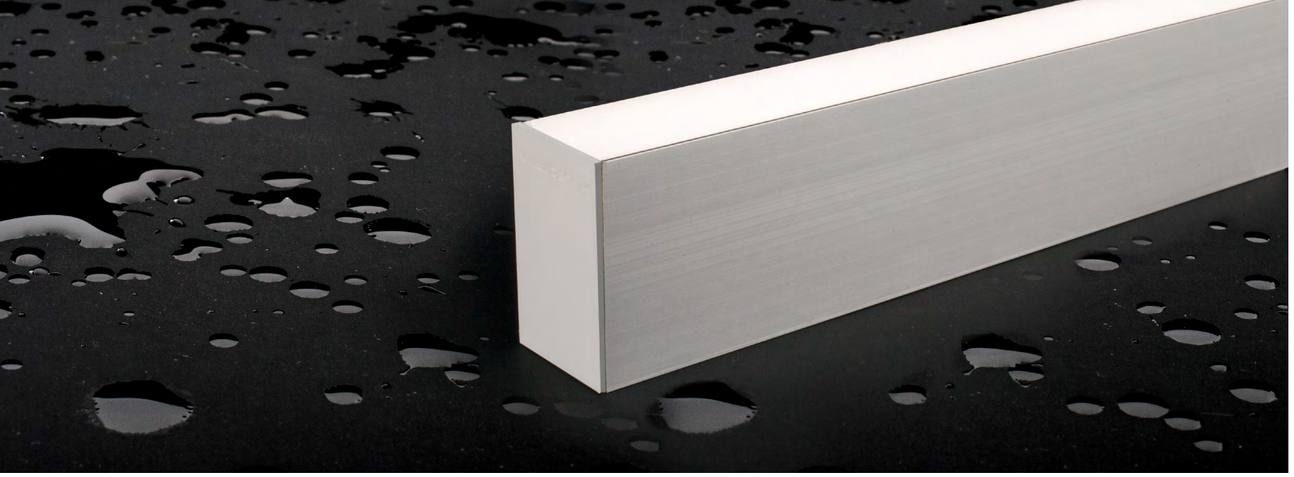
		POWER							
		4,8 W/m 1.5 W/ft	9,6 W/m 2.9 W/ft	14,4 W/m 4.4 W/ft	19,2 W/m 5.9 W/ft	24 W/m 7.3 W/ft	28,8 W/m 8.8 W/ft	33,4 W/m 10.2 W/ft	48 W/m 14.6 W/ft
SPECTRUM	KELVINS	4	9	14	19	24	28	33	48
820/822/825/827/830/	CRI 80+	228-368 lm/m	461-721	684-1050	918-1396	1132-1716	-	-	-
835/840/850/857/865	2000-5000K	70-112 lm/ft	140-220	208-320	280-425	345-523	-	-	-
920/922/925/927/930/	CRI 90+	198-315 lm/m	386-621	561-906	743-1203	911-1475	-	-	-
935/940/950/957/965	2000-5000K	60-96 lm/ft	118-189	171-276	227-367	278-450	-	-	-
027/030/035/040/050	CRI 95+	252-283 lm/m	469-531	666-758	869-992	1093-1252	-	-	-
	2700-4000K	77-86 lm/ft	143-162	203-231	265-302	333-382	-	-	-
Cutting step: 125 mm	EFFICACY	77 lm/w	75 lm/w	73 lm/w	73 lm/w	71 lm/w			
	MAX RUN	14 m 46'	7 m 23'	4 m 15'	3,5 m 11'	3 m 10'			

RGB

		POWER									
		4,8 W/m 1.5 W/ft	8,6 W/m 2.6 W/ft	14,4 W/m 4.4 W/ft	17,3 W/m 5,3 W/ft	24 W/m 7.3 W/ft	28,8 W/m 8.8 W/ft	33,4 W/m 10.2 W/ft	48 W/m 14.6 W/ft
SPECTRUM	COLOR	4	8	14	17	24	28	33	48
RGB	Red	-	-	-	50 lm/m 15 lm/ft	-	83 25	-	-
	Green	-	-	-	170 lm/m 52 lm/ft	-	284 87	-	-
	Blue	-	-	-	36 lm/m 11 lm/ft	-	60 18	-	-
	Total	-	-	-	256 lm/m 78 lm/ft	-	428 130	-	-
Cutting step: 125 mm	EFFICACY				15 lm/w		15 lm/w		
	MAX RUN				4 m 13'		3 m 10'		

For information about accessories options see page 112

Disclaimer:
Technical data is subject to change without prior notice.
Tolerances of +-5% in luminous flux and light color should be accepted.



Ula L IP67 - opal

OUTDOOR MODULAR LED LIGHT SYSTEMS

ULA L IP67 rated encapsulated modular LED lighting systems are designed for long-term professional continuous line lighting applications.
These outdoor modular LED lights are designed for long-term professional lighting applications and perfectly suits for any outdoor continuous line lighting applications where a wide line or high lumen output is needed.
Each module has integrated connectors for easy and reliable connection to other modules. Connectors are hidden inside the modules.
Linear modules can be combined with any Holectron's LED tapes powered up to 48 W/m.

TECHNICAL DATA

Cover	Opal / Clear (available on request)	
Light engine	Any LED strip up to 48 W/m	
Beam angle	120°	
Connection	Imput: plug; Output: socket	
Light output ratio (LOR)	50%	
Dimmable	YES	
Operating temperature	-25°C...+50°C	-13°F...122°F
Storage temperature	-40°C — 80°C	-40°F — 176°F
Voltage	24 VDC (22.5 - 25 VDC)	

SEGMENT TYPES

STANDALONE

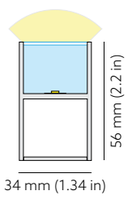
Luminaire - LUM
Endcaps at both ends

CONTINUOUS LINE

Full module - FUL
Endcaps at both end

IP67 — FOR OUTDOOR
NICHIA — HIGHEST QUALITY LED
STABILIZED CURRENT
3-STEP MACADAM
UL APPROVED
CE COMPLIANT
MADE IN EUROPE
5 YEAR WARRANTY

TECHNICAL DRAWING



HOUSING COLORS

Gray - AG
White - PW
Black - PB
Custom (RAL)

ORDER CODE

Order code example: ULA L IP67 LUM FL-56-9/N3-830 AG L2000

Product:	Segment type:	Light engine		Power:		Type:		Spectrum:	Housing color:	Length:
ULA L IP67			-		/		-			

Segment type:		Light engine		Type:		Housing color:		Length:	
LUM	individual	FL-56	white	N3	white	AG	Gray	L125	125 mm
FUL	continuous individual	TW-56	tunable white	N3	tunable white	PW	Painted White	L250	250 mm
		RGB-48	RGB	O3	RGB	PB	Painted Black	L500	500 mm
		RGBW-48	RGBW	O3	RGBW			L1000	1000 mm
								L1500	1500 mm
								L2000	2000 mm
								L3000	3000 mm
								Lxxxx	Custom

LIGHT ENGINE

White

		POWER							
		4,8 W/m 1.5 W/ft	9,6 W/m 2.9 W/ft	14,4 W/m 4.4 W/ft	19,2 W/m 5.9 W/ft	24 W/m 7.3 W/ft	28,8 W/m 8.8 W/ft	33,4 W/m 10.2 W/ft	48 W/m 14.6 W/ft
SPECTRUM	KELVINS	4	9	14	19	24	28	33	48
820/822/825/827/830/	CRI 80+	257-401 lm/m	512-779	741-1126	970-1483	1180-1808	-	1972-3077	2737-4264
835/840/850/857/865	2000-5000K	78-122 lm/ft	156-237	226-343	296-452	360-551	-	601-938	834-1300
920/922/925/927/930/	CRI 90+	215-345 lm/m	414-672	594-965	777-1263	942-1535	-	1631-2593	2243-3589
935/940/950/957/965	2000-5000K	66-105 lm/ft	126-205	181-294	237-385	287-468	-	497-790	684-1094
027/030/035/040/050	CRI 95+	261-296 lm/m	485-553	686-786	894-1028	1086-1250	-	1892-2172	2605-3002
	2700-4000K	80-90 lm/ft	148-169	209-240	272-313	331-381	-	577-662	794-915
Cutting step: 125 mm (62,5 mm for 33W, 48W)	EFFICACY	84 lm/w	81 lm/w	78 lm/w	77 lm/w	75 lm/w		92 lm/w	89 lm/w
	MAX RUN	10 m 33'	5 m 16'	4 m 13'	3 m 10'	3 m 10'		2 m 7'	1,5 m 5'

Tunable

		POWER							
		4,8 W/m 1.5 W/ft	9,6 W/m 2.9 W/ft	14,4 W/m 4.4 W/ft	19,2 W/m 5.9 W/ft	24 W/m 7.3 W/ft	28,8 W/m 8.8 W/ft	33,4 W/m 10.2 W/ft	48 W/m 14.6 W/ft
SPECTRUM	KELVINS	4	9	14	19	24	28	33	48
820/865 825/857	CRI 80+	-	644-757 lm/m	-	1263-1488	-	-	2485-2964	3402-4060
827/857 827/850	2000-6500K	-	296-231 lm/ft	-	385-453	-	-	757-903	1037-1237
920/965 925/957	CRI 90+	-	556-652 lm/m	-	1077-1267	-	-	2117-2481	2893-3388
927/950	2000-6500K	-	169-199 lm/ft	-	328-386	-	-	645-756	882-1033
Cutting step: 125 mm	EFFICACY		79 lm/w		77 lm/w			89 lm/w	85 lm/w
	MAX RUN		8,5 m 27'		5,5 m 18'			2 m 7'	1,5 m 5'

RGB

		POWER							
		4,8 W/m 1.5 W/ft	8,6 W/m 2.6 W/ft	14,4 W/m 4.4 W/ft	17,3 W/m 5.3 W/ft	24 W/m 7.3 W/ft	28,8 W/m 8.8 W/ft	33,4 W/m 10.2 W/ft	48 W/m 14.6 W/ft
SPECTRUM	COLOR	4	8	14	17	24	28	33	48
RGB	Red	-	27 lm/m 8 lm/ft	46 12	55 17	-	91 28	-	-
	Green	-	94 lm/m 29 lm/ft	156 41	188 57	-	313 95	-	-
	Blue	-	20 lm/m 6 lm/ft	33 9	40 12	-	67 20	-	-
	Total	-	141 lm/m 43 lm/ft	235 61	282 86	-	471 143	-	-
Cutting step: 125 mm	EFFICACY		16 lm/w	16 lm/w	16 lm/w		16 lm/w		
	MAX RUN		5 m 16'	4,5 m 15'	4 m 13'		3 m 10'		

RGBW

		POWER							
		4,8 W/m 1.5 W/ft	9,6 W/m 2.9 W/ft	14,4 W/m 4.4 W/ft	19,2 W/m 5.9 W/ft	24 W/m 7.3 W/ft	28,8 W/m 8.8 W/ft	33,4 W/m 10.2 W/ft	48 W/m 14.6 W/ft
SPECTRUM	KELVINS	4	9	14	19	24	28	33	48
822 / 825 / 827 / 830	CRI 80+	-	-	397-489 lm/m	447-528	630-785	-	-	-
835 / 840 / 850 / 865	2200-5000K	-	-	121-149 lm/ft	136-161	192-239	-	-	-
922 / 927 / 930 / 935	CRI 90+	-	-	389-421 lm/m	414-457	569-650	-	-	-
940 / 950 / 965	2200-5000K	-	-	119-128 lm/ft	126-139	173-198	-	-	-
Cutting step: 125 mm	EFFICACY			36 lm/w	30 lm/w	35 lm/w			
	MAX RUN			4,5 m 15'	4 m 13'	3,5 m 11'			

For information about accessories options see page 112

Disclaimer:
Technical data is subject to change without prior notice.
Tolerances of +-5% in luminous flux and light color should be accepted.

Accessories

FOR ULA IP67 OUTDOOR LED LIGHTS

SOCKET CONNECTORS

CODE	DESCRIPTION
CON-HI-IP-2F LXXX	2-pin socket
CON-HI-IP-3F LXXX	3-pin socket
CON-HI-IP-4F LXXX	4-pin socket
CON-IH-IP-5F LXXX	5-pin socket

F L

SOCKET/PLUG CONNECTORS

CODE	DESCRIPTION
CON-HI-IP-2M/2F LXXX	2-pin extention
CON-HI-IP-3M/3F LXXX	3-pin extention
CON-HI-IP-4M/4F LXXX	4-pin extention
CON-HI-IP-5M/5F LXXX	5-pin extention

M F

PLUG CONNECTORS

CODE	DESCRIPTION
CON-HI-IP-2M LXXX	2-pin plug
CON-HI-IP-3M LXXX	3-pin plug
CON-HI-IP-4M LXXX	4-pin plug
CON-HI-IP-5M LXXX	5-pin plug

M L

MOUNTING BRACKETS

CODE	DESCRIPTION
AH101.FIX	Mounting bracket (Ula S / M)
AH111.FIX	Mounting bracket (Ula L)
AH103.FIX	Rotatble mounting bracket (Ula S / M)

WIRE LENGTHS AVAILABLE

CODE	L150	L500	L1000	L2000
Length	150 mm	500 mm	1000 mm	2000 mm
	5.9 in	1 ft 8 in	3 ft 3 in	6 ft 6 in

Outdoor lines | OUTDOOR MODULAR LIGHTING

The railroad of light

Our range of outdoor modular lines is designed to cover every professional outdoor lighting need. This includes outdoor linear LED decorative, cove and edge lighting, and many more applications.
In all our outdoor lines the light engines are fully encapsulated inside polyurethane sealant to ensure full protection from water and the elements. Lines can be encapsulated in either clear or opal over

Order code explained

Outline	FUL	B	TW-56	-	19	/	N3	-	820/865	PW	L1000
FAMILY NAME Main information describing basis of the product	SEGMENT TYPE Determines how segment connects with other segments	CONNECTION TYPE Determines exit side for connection wire	LIGHT ENGINE Determines what LED strip will be used in the product		POWER LED strip wattage per meter		TYPE LED manufacturer & LED strip generation code		SPECTRUM Code for required Color rendering index and Color temperature	HOUSING COLOR Color of segment body	LENGTH Length of segment

Outline IP67

OUTDOOR MODULAR LED LIGHT SYSTEMS

Designed for long-term outdoor lighting applications and fully water-resistant, the Outline IP67 is an indirect lighting system that is ideal for outdoor cove lighting.

This linear LED light uses NICHIA LEDs and has an integrated current stabilization system. These components are encapsulated inside an aluminum housing that is UV resistant and easy to clean and does not attract dust or dirt.

The Outline IP67 is a robust, high-quality option for illuminating architectural details, windows, pathways, and benches.

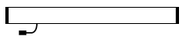
TECHNICAL DATA

Cover	Clear / Opal (available on request)	
Light engine	Any LED strip up to 24 W/m	
Beam angle	108°	
Connection	Imput: plug; Output: socket	
Light output ratio (LOR)	62%	
Dimmable	YES	
Operating temperature	-25°C...+50°C	-13°F...122°F
Storage temperature	-40°C — 80°C	-40°F — 176°F
Voltage	24 VDC (22.5 - 25 VDC)	

SEGMENT TYPES

STANDALONE

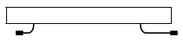
Luminaire - LUM
Endcaps at both ends



CONTINUOUS LINE

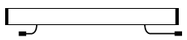
Start module - STA
Endcap at the start

Middle module - MID
No endcaps



End module - END
Endcap at the end

Full module - FUL
Endcaps at both ends



CONNECTION TYPES

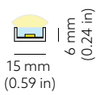
Side exit wire - S

Back exit wire- B

End exit wire - E

IP67 — FOR OUTDOOR
NICHIA — HIGHEST QUALITY LED
STABILIZED CURRENT
3-STEP MACADAM
UL APPROVED
CE COMPLIANT
MADE IN EUROPE
5 YEAR WARRANTY

TECHNICAL DRAWING



HOUSING COLORS

Gray - AG
White - PW
Black - PB
Custom (RAL)

ORDER CODE

Order code example: outLine LUM-E FL-56-9/N3-830 AG L125

Product:	Segment type:		Connection type:		Light engine		Power:		Type:		Spectrum:	Housing color:	Length:
OUTLINE		-				-		/		-			

LUM	individual	S	side	FL-56	white			N3	white	AG	Gray	L125	125 mm
STA	first segment	B	back	TW-56	tunable white			N3	tunable white	PW	Painted White	L250	250 mm
MID	middle segment	E	end	RGB-48	RGB			O3	RGB	PB	Painted Black	L500	500 mm
END	end segment			RGBW-48	RGBW			O3	RGBW			L1000	1000 mm
FUL	continuous individual											L1500	1500 mm
												L2000	2000 mm
												L3000	3000 mm
												Lxxxx	Custom

LIGHT ENGINE

White

		POWER							
		4,8 W/m 1.5 W/ft	9,6 W/m 2.9 W/ft	14,4 W/m 4.4 W/ft	19,2 W/m 5.9 W/ft	24 W/m 7.3 W/ft	28,8 W/m 8.8 W/ft	33,4 W/m 10.2 W/ft	48 W/m 14.6 W/ft
SPECTRUM	KELVINS	4	9	14	19	24	28	33	48
820/822/825/827/830/	CRI 80+	323-504 lm/m	643-979	931-1415	1219-1865	1484-2274	-	-	-
835/840/850/857/865	2000-5000K	98-154 lm/ft	196-298	284-431	372-568	452-693	-	-	-
920/922/925/927/930/	CRI 90+	270-434 lm/m	520-844	747-1213	977-1588	1185-1930	-	-	-
935/940/950/957/965	2000-5000K	82-132 lm/ft	159-257	228-370	298-484	361-588	-	-	-
027/030/035/040/050	CRI 95+	328-372 lm/m	610-696	863-989	1124-1292	1365-1572	-	-	-
	2700-4000K	100-113 lm/ft	186-212	263-301	343-394	416-479	-	-	-
Cutting step: 125 mm	EFFICACY	105 lm/w	102 lm/w	98 lm/w	97 lm/w	95 lm/w			
	MAX RUN	10 m 33'	5 m 16'	4 m 13'	3 m 10'	3 m 10'			

Tunable

			POWER							
			4,8 W/m 1.5 W/ft	9,6 W/m 2.9 W/ft	14,4 W/m 4.4 W/ft	19,2 W/m 5.9 W/ft	24 W/m 7.3 W/ft	28,8 W/m 8.8 W/ft	33,4 W/m 10.2 W/ft	48 W/m 14.6 W/ft
SPECTRUM		KELVINS	4	9	14	19	24	28	33	48
820/865	825/857	CRI 80+	-	809-951 lm/m	-	1588-1870	-	-	-	-
827/857	827/850	2000-6500K	-	247-290 lm/ft	-	484-570	-	-	-	-
920/965	925/957	CRI 90+	-	699-820 lm/m	-	1354-1593	-	-	-	-
927/950		2000-6500K	-	213-250 lm/ft	-	413-485	-	-	-	-
Cutting step: 125 mm		EFFICACY		99 lm/w		97 lm/w				
		MAX RUN		8,5 m 27'		5,5 m 18'				

RGB

		POWER							
		4,8 W/m 1.5 W/ft	8,6 W/m 2.6 W/ft	14,4 W/m 4.4 W/ft	17,3 W/m 5.3 W/ft	24 W/m 7.3 W/ft	28,8 W/m 8.8 W/ft	33,4 W/m 10.2 W/ft	48 W/m 14.6 W/ft
SPECTRUM	COLOR	4	8	14	17	24	28	33	48
RGB	Red	-	34 lm/m 10 lm/ft	57 15	69 21	-	-	-	-
	Green	-	118 lm/m 36 lm/ft	197 51	236 72	-	-	-	-
	Blue	-	25 lm/m 8 lm/ft	42 11	50 15	-	-	-	-
	Total	-	177 lm/m 54 lm/ft	296 77	354 108	-	-	-	-
Cutting step: 125 mm	EFFICACY		21 lm/w	21 lm/w	21 lm/w				
	MAX RUN		5 m 16'	4,5 m 15'	4 m 13'				

RGBW

		POWER							
		4,8 W/m 1.5 W/ft	9,6 W/m 2.9 W/ft	14,4 W/m 4.4 W/ft	19,2 W/m 5.9 W/ft	24 W/m 7.3 W/ft	28,8 W/m 8.8 W/ft	33,4 W/m 10.2 W/ft	48 W/m 14.6 W/ft
SPECTRUM	KELVINS	4	9	14	19	24	28	33	48
822 / 825 / 827 / 830	CRI 80+	-	-	499-615 lm/m	562-663	793-987	-	-	-
835 / 840 / 850 / 865	2200-5000K	-	-	152-187 lm/ft	171-202	242-301	-	-	-
922 / 927 / 930 / 935	CRI 90+	-	-	489-529 lm/m	520-574	716-817	-	-	-
940 / 950 / 965	2200-5000K	-	-	149-161 lm/ft	158-175	218-249	-	-	-
Cutting step: 125 mm	EFFICACY			36 lm/w	29 lm/w	34 lm/w			
	MAX RUN			4,5 m 15'	4 m 13'	3,5 m 11'			

*side connection type is not compatible with RGBW LED strip

For information about accessories options see page 124

sLine IP67

OUTDOOR MODULAR LED LIGHT SYSTEMS

Featuring the smallest profile of any of our products, the sLine IP67 is ideally-suited to outdoor decorative, and edge lighting, and for use in bathrooms or kitchens.

The sLine IP67 is encapsulated in an aluminum housing that is waterproof and fully UV resistant. Inside the housing are made in Germany OSRAM LEDs along with an integrated current stabilization system.

Small and tough, the sLine offers a versatile solution for a range of long-term professional lighting applications.

TECHNICAL DATA

Cover	Opal	
Light engine	FL-224/O3	
Beam angle	112°	
Connection	Imput: plug; Output: socket	
Light output ratio (LOR)	44%	
Dimmable	YES	
Operating temperature	-25°C...+50°C	-13°F...122°F
Storage temperature	-40°C — 80°C	-40°F — 176°F
Voltage	24 VDC (22.5 - 25 VDC)	

SEGMENT TYPES

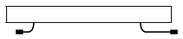
STANDALONE

Luminaire - LUM
Endcaps at both ends

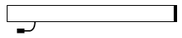
CONTINUOUS LINE

Start module - STA
Endcap at the start

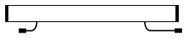
Middle module - MID
No endcaps



End module - END
Endcap at the end



Full module - FUL
Endcaps at both ends



CONNECTION TYPES

Side exit wire - S

Back exit wire- B

End exit wire - E

IP67 FOR OUTDOOR

STABILIZED CURRENT

3-STEP MACADAM

UL APPROVED

CE COMPLIANT

MADE IN EUROPE

5 YEAR WARRANTY

TECHNICAL DRAWING

HOUSING COLORS

Gray - AG

White - PW

Black - PB

Custom (RAL)

ORDER CODE

Order code example: sLine LUM-E FL-224-9/O3-830 AG L125

Product:	Segment type:		Connection type:	Light engine	Power:		Type:		Spectrum:	Housing color:	Length:
SLINE		-		FL-224	-	/	O3	-			

LUM	individual
STA	first segment
MID	middle segment
END	end segment
FUL	continuous individual

S	side
B	back
E	end

AG	Gray
PW	Painted White
PB	Painted Black

L125	125 mm
L250	250 mm
L500	500 mm
L1000	1000 mm
L1500	1500 mm
L2000	2000 mm
L3000	3000 mm
Lxxxx	Custom

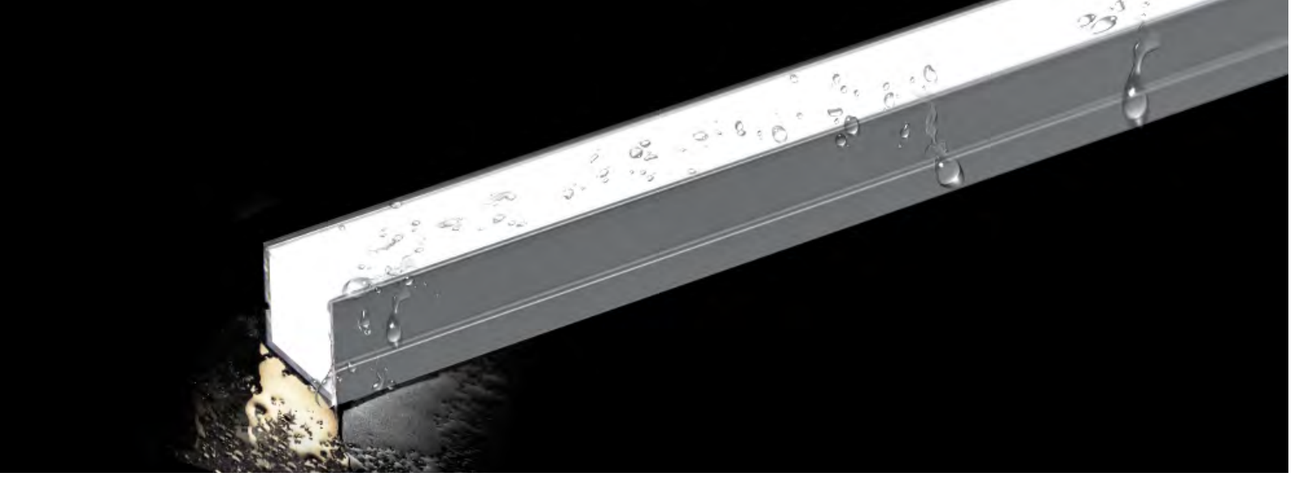
LIGHT ENGINE

White

		POWER							
		4,8 W/m 1.5 W/ft	9,6 W/m 2.9 W/ft	14,4 W/m 4.4 W/ft	19,2 W/m 5.9 W/ft	24 W/m 7.3 W/ft	28,8 W/m 8.8 W/ft	33,4 W/m 10.2 W/ft	48 W/m 14.6 W/ft
SPECTRUM	KELVINS	4	9	14	19	24	28	33	48
822/825/827/830/	CRI 80+	-	446-660 lm/m	687-935	879-1190	-	-	-	-
835/840/850/865	2000-5000K	-	136-201 lm/ft	209-285	268-363	-	-	-	-
922/927/930/	CRI 90+	-	372-491 lm/m	581-754	747-965	-	-	-	-
935/940/950/965	2000-5000K	-	113-150 lm/ft	177-230	228-294	-	-	-	-
Cutting step: 31.25 mm	EFFICACY		69 lm/w	65 lm/w	62 lm/w				
	MAX RUN		3 m 10'	2 m 7'	1,5 m 5'				

For information about accessories options see page 124

Disclaimer:
Technical data is subject to change without prior notice.
Tolerances of +-5% in luminous flux and light color should be accepted.



mLine IP67

OUTDOOR MODULAR LED LIGHT SYSTEMS

The mLine IP67 is a waterproof NICHIA LED light that offers direct lighting with no visible dots, perfect for parking lots or architectural lighting.

Fully encapsulated inside an aluminum housing, the mLine is waterproof and UV resistant. This ensures the high-quality Japanese NICHIA LEDs and the internal current stabilization system are fully protected.

The mLine is ruggedized and ready for a wide range of outdoor direct lighting uses.

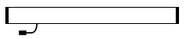
TECHNICAL DATA

Cover	Opal	
Light engine	Any LED strip up to 24W/m	
Beam angle	105°	
Connection	Imput: plug; Output: socket	
Light output ratio (LOR)	46%	
Dimmable	YES	
Operating temperature	-25°C...+50°C	-13°F...122°F
Storage temperature	-40°C — 80°C	-40°F — 176°F
Voltage	24 VDC (22.5 - 25 VDC)	

SEGMENT TYPES

STANDALONE

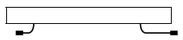
Luminaire - LUM
Endcaps at both ends



CONTINUOUS LINE

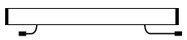
Start module - STA
Endcap at the start

Middle module - MID
No endcaps



End module - END
Endcap at the end

Full module - FUL
Endcaps at both ends



CONNECTION TYPES

Side exit wire - S

Back exit wire- B

End exit wire - E

IP67 FOR OUTDOOR

NICHIA HIGHEST QUALITY LED

STABILIZED CURRENT

3-STEP MACADAM

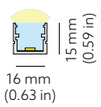
UL APPROVED

CE COMPLIANT

MADE IN EUROPE

5 YEAR WARRANTY

TECHNICAL DRAWING



HOUSING COLORS

Gray - AG

White - PW

Black - PB

Custom (RAL)

ORDER CODE

Order code example: mLine LUM-E FL-56-9/N3-830 AG L125

Product:	Segment type:		Start connection:	Light engine		Power:		Type:		Spectrum:	Housing color:	Length:
MLINE		-			-		/		-			

LUM	individual	S	side	FL-112	white	N3	white	AG	Gray	L125	125 mm
STA	first segment	B	back	TW-70	tunable white	N3	tunable white	PW	Painted White	L250	250 mm
MID	middle segment	E	end			O3	RGB	PB	Painted Black	L500	500 mm
END	end segment					O3	RGBW			L1000	1000 mm
FUL	continuous individual									L1500	1500 mm
										L2000	2000 mm
										L3000	3000 mm
										Lxxxx	Custom

LIGHT ENGINE

White

		POWER							
		4,8 W/m 1.5 W/ft	9,6 W/m 2.9 W/ft	14,4 W/m 4.4 W/ft	19,2 W/m 5.9 W/ft	24 W/m 7.3 W/ft	28,8 W/m 8.8 W/ft	33,4 W/m 10.2 W/ft	48 W/m 14.6 W/ft
SPECTRUM	KELVINS	4	9	14	19	24	28	33	48
820/822/825/827/830/	CRI 80+	169-264 lm/m	337-512	487-741	638-976	776-1189	-	-	-
835/840/850/857/865	2000-5000K	51-80 lm/ft	103-156	148-226	194-297	237-363	-	-	-
920/922/925/927/930/	CRI 90+	141-227 lm/m	272-442	391-635	511-831	620-1010	-	-	-
935/940/950/957/965	2000-5000K	43-69 lm/ft	83-135	119-193	156-253	189-308	-	-	-
027/030/035/040/050	CRI 95+	172-195 lm/m	319-364	451-517	588-676	714-822	-	-	-
	2700-4000K	52-59 lm/ft	97-111	138-158	179-206	218-251	-	-	-
Cutting step: 62.5 mm	EFFICACY	55 lm/w	53 lm/w	51 lm/w	51 lm/w	50 lm/w			
	MAX RUN	10 m 33'	5 m 16'	4 m 13'	3 m 10'	3 m 10'			

Tunable

			POWER							
			4,8 W/m 1.5 W/ft	9,6 W/m 2.9 W/ft	14,4 W/m 4.4 W/ft	19,2 W/m 5.9 W/ft	24 W/m 7.3 W/ft	28,8 W/m 8.8 W/ft	33,4 W/m 10.2 W/ft	48 W/m 14.6 W/ft
SPECTRUM		KELVINS	4	9	14	19	24	28	33	48
820/865	825/857	CRI 80+	-	423-498 lm/m	-	831-979	-	-	-	-
827/857	827/850	2000-6500K	-	129-152 lm/ft	-	253-298	-	-	-	-
920/965	925/957	CRI 90+	-	366-429 lm/m	-	709-833	-	-	-	-
927/950		2000-6500K	-	111-131 lm/ft	-	216-254	-	-	-	-
Cutting step: 100 mm		EFFICACY		52 lm/w		51 lm/w				
		MAX RUN		8,5 m 27'		5,5 m 18'				

For information about accessories options see page 124

Disclaimer:
Technical data is subject to change without prior notice.
Tolerances of +-5% in luminous flux and light color should be accepted.

xLine IP67

OUTDOOR MODULAR LED LIGHT SYSTEMS

The xLine IP67's high lumen output makes this waterproof NICHIA LED light suitable for general, decorative and entertainment lighting outdoors. It is also suitable for RGB/RGB+W, giving added creativity and versatility to your outdoor lighting design.

The Japanese NICHIA LEDs are encapsulated in a waterproof, UV resistant aluminum housing that is easy to clean and will not attract dirt or dust.

Powerful, versatile, robust, the xLine provides a reliable long-term lighting solution to lighting designers.

TECHNICAL DATA

Cover	Opal	
Light engine	Any LED strip up to 24 W/m	
Beam angle	113°	
Connection	Imput: plug; Output: socket	
Light output ratio (LOR)	27%	
Dimmable	YES	
Operating temperature	-25°C...+50°C	-13°F...122°F
Storage temperature	-40°C — 80°C	-40°F — 176°F
Voltage	24 VDC (22.5 - 25 VDC)	

SEGMENT TYPES

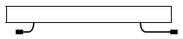
STANDALONE

Luminaire - LUM
Endcaps at both ends

CONTINUOUS LINE

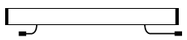
Start module - STA
Endcap at the start

Middle module - MID
No endcaps



End module - END
Endcap at the end

Full module - FUL
Endcaps at both ends



CONNECTION TYPES

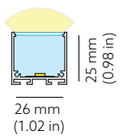
Side exit wire - S

Back exit wire- B

End exit wire - E

IP67 — FOR OUTDOOR
NICHIA — HIGHEST QUALITY LED
STABILIZED CURRENT
3-STEP MACADAM
UL APPROVED
CE COMPLIANT
MADE IN EUROPE
5 YEAR WARRANTY

TECHNICAL DRAWING



HOUSING COLORS

Gray - AG
White - PW
Black - PB
Custom (RAL)

ORDER CODE

Order code example: xLine LUM-E FL-56-9/N3-830 AG L125

Product:	Segment type:		Start connection:	Light engine		Power:		Type:		Spectrum:	Housing color:	Length:
XLINE		-			-		/		-			

Segment type:		Start connection:		Light engine		Type:		Housing color:		Length:	
LUM	individual	S	side	FL-56	white	N3	white	AG	Gray	L125	125 mm
STA	first segment	B	back	TW-56	tunable white	N3	tunable white	PW	Painted White	L250	250 mm
MID	middle segment	E	end	RGB-48	RGB	O3	RGB	PB	Painted Black	L500	500 mm
END	end segment			RGBW-48	RGBW	O3	RGBW			L1000	1000 mm
FUL	continuous individual									L1500	1500 mm
										L2000	2000 mm
										L3000	3000 mm
										Lxxxx	Custom

LIGHT ENGINE

White

		POWER							
		4,8 W/m 1.5 W/ft	9,6 W/m 2.9 W/ft	14,4 W/m 4.4 W/ft	19,2 W/m 5.9 W/ft	24 W/m 7.3 W/ft	28,8 W/m 8.8 W/ft	33,4 W/m 10.2 W/ft	48 W/m 14.6 W/ft
SPECTRUM	KELVINS	4	9	14	19	24	28	33	48
820/822/825/827/830/	CRI 80+	138-216 lm/m	275-419	398-605	522-797	635-972	-	-	-
835/840/850/857/865	2000-5000K	42-66 lm/ft	84-128	121-185	159-243	193-296	-	-	-
920/922/925/927/930/	CRI 90+	116-186 lm/m	223-361	319-519	418-679	507-825	-	-	-
935/940/950/957/965	2000-5000K	35-57 lm/ft	68-110	97-158	127-207	154-252	-	-	-
027/030/035/040/050	CRI 95+	140-159 lm/m	261-298	369-423	481-552	584-672	-	-	-
	2700-4000K	43-48 lm/ft	79-91	112-129	147-168	178-205	-	-	-
Cutting step: 125 mm	EFFICACY	45 lm/w	44 lm/w	42 lm/w	42 lm/w	41 lm/w			
	MAX RUN	10 m 33'	5 m 16'	4 m 13'	3 m 10'	3 m 10'			

Tunable

		POWER							
		4,8 W/m 1.5 W/ft	9,6 W/m 2.9 W/ft	14,4 W/m 4.4 W/ft	19,2 W/m 5.9 W/ft	24 W/m 7.3 W/ft	28,8 W/m 8.8 W/ft	33,4 W/m 10.2 W/ft	48 W/m 14.6 W/ft
SPECTRUM	KELVINS	4	9	14	19	24	28	33	48
820/865 825/857	CRI 80+	-	346-407 lm/m	-	679-800	-	-	-	-
827/857 827/850	2000-6500K	-	106-124 lm/ft	-	207-244	-	-	-	-
920/965 925/957	CRI 90+	-	299-351 lm/m	-	579-681	-	-	-	-
927/950	2000-6500K	-	91-107 lm/ft	-	177-208	-	-	-	-
Cutting step: 125 mm	EFFICACY		42 lm/w		42 lm/w				
	MAX RUN		8,5 m 27'		5,5 m 18'				

RGB

		POWER							
		4,8 W/m 1.5 W/ft	8,6 W/m 2.6 W/ft	14,4 W/m 4.4 W/ft	17,3 W/m 5.3 W/ft	24 W/m 7.3 W/ft	28,8 W/m 8.8 W/ft	33,4 W/m 10.2 W/ft	48 W/m 14.6 W/ft
SPECTRUM	COLOR	4	8	14	17	24	28	33	48
RGB	Red	-	15 lm/m 4 lm/ft	25 6	29 9	-	49 15	-	-
	Green	-	50 lm/m 15 lm/ft	84 22	101 31	-	168 51	-	-
	Blue	-	11 lm/m 3 lm/ft	18 5	21 7	-	36 11	-	-
	Total	-	76 lm/m 23 lm/ft	127 33	152 46	-	253 77	-	-
Cutting step: 125 mm	EFFICACY		9 lm/w	9 lm/w	9 lm/w		9 lm/w		
	MAX RUN		5 m 16'	4,5 m 15'	4 m 13'		3 m 10'		

RGBW

		POWER							
		4,8 W/m 1.5 W/ft	9,6 W/m 2.9 W/ft	14,4 W/m 4.4 W/ft	19,2 W/m 5.9 W/ft	24 W/m 7.3 W/ft	28,8 W/m 8.8 W/ft	33,4 W/m 10.2 W/ft	48 W/m 14.6 W/ft
SPECTRUM	KELVINS	4	9	14	19	24	28	33	48
822 / 825 / 827 / 830	CRI 80+	-	-	213-263 lm/m	240-284	339-422	-	-	-
835 / 840 / 850 / 865	2200-5000K	-	-	65-80 lm/ft	73-87	103-129	-	-	-
922 / 927 / 930 / 935	CRI 90+	-	-	209-226 lm/m	222-246	306-349	-	-	-
940 / 950 / 965	2200-5000K	-	-	64-69 lm/ft	68-75	93-106	-	-	-
Cutting step: 125 mm	EFFICACY			15 lm/w	13 lm/w	14 lm/w			
	MAX RUN			4,5 m 15'	4 m 13'	3,5 m 11'			

*side connection type is not compatible with RGBW LED strip

For information about accessories options see page 124

Disclaimer:
Technical data is subject to change without prior notice.
Tolerances of +-5% in luminous flux and light color should be accepted.

Accessories

FOR OUTDOOR MODULAR LED LIGHTS

SOCKET CONNECTORS

CODE	DESCRIPTION
CON-PH-TP-2F LXXX	2-pin socket
CON-PH-TP-3F LXXX	3-pin socket
CON-PH-TP-4F LXXX	4-pin socket
CON-PH-TP-5F LXXX	5-pin socket

F L

SOCKET/PLUG CONNECTORS

CODE	DESCRIPTION
CON-PH-TP-2M/2F LXXX	2-pin extention
CON-PH-TP-3M/3F LXXX	3-pin extention
CON-PH-TP-4M/4F LXXX	4-pin extention
CON-PH-TP-5M/5F LXXX	5-pin extention

M F

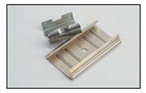
PLUG CONNECTORS

CODE	DESCRIPTION
CON-PH-TP-2M LXXX	2-pin plug
CON-PH-TP-3M LXXX	3-pin plug
CON-PH-TP-4M LXXX	4-pin plug
CON-PH-TP-5M LXXX	5-pin plug

M L

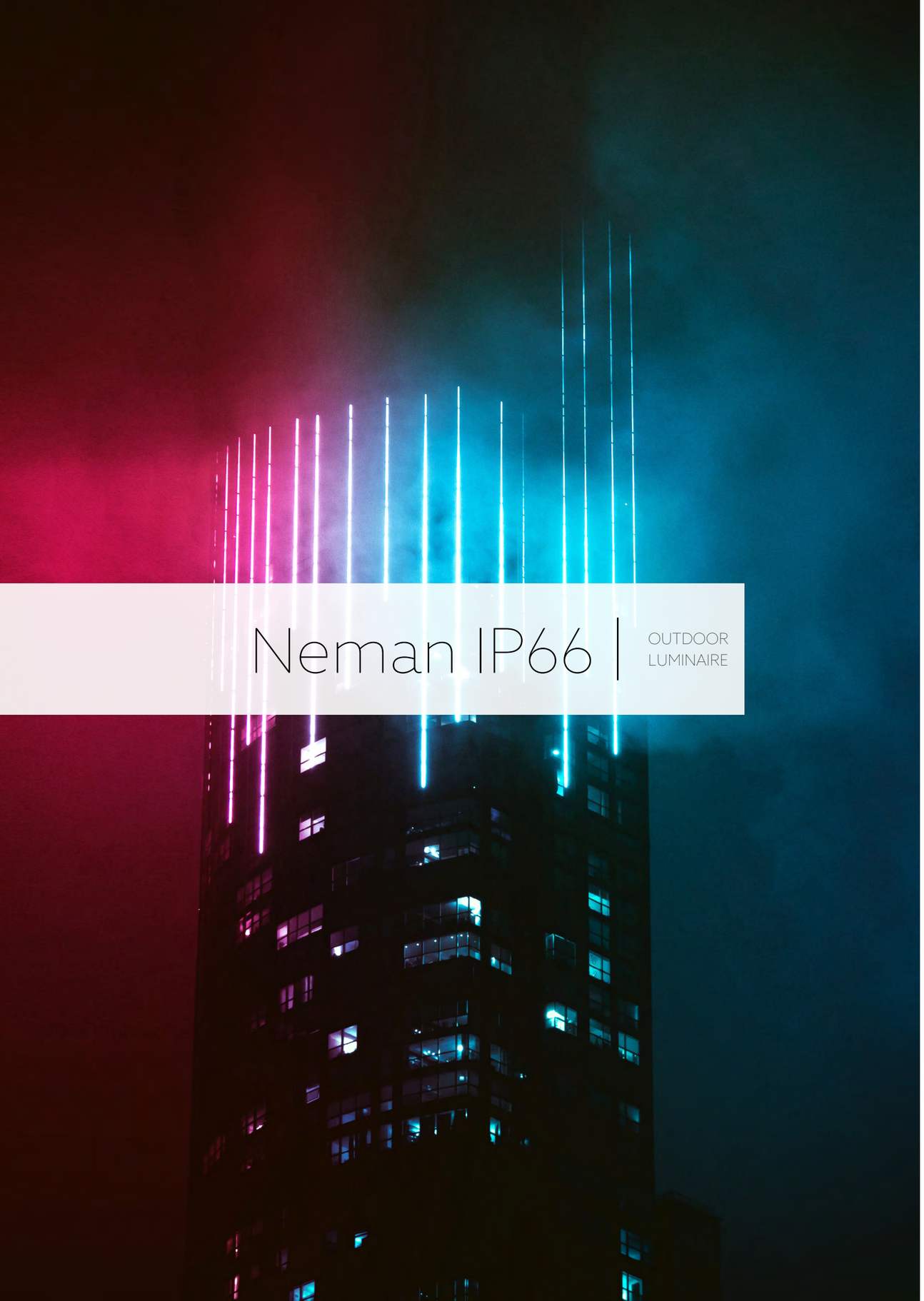
MOUNTING BRACKETS

CODE	DESCRIPTION
AH.FIX-01	Mounting bracket (Outline / Mline)
AH.FIX-05	Plastic rotatble holder (Outline / Mline)
AH.FIX-172	Stainless steel holder (Xline)



WIRE LENGTHS AVAILABLE

CODE	L150	L500	L1000	L2000
Length	150 mm	500 mm	1000 mm	2000 mm
	5.9 in	1 ft 8 in	3 ft 3 in	6 ft 6 in



Neman IP66 | OUTDOOR LUMINAIRE

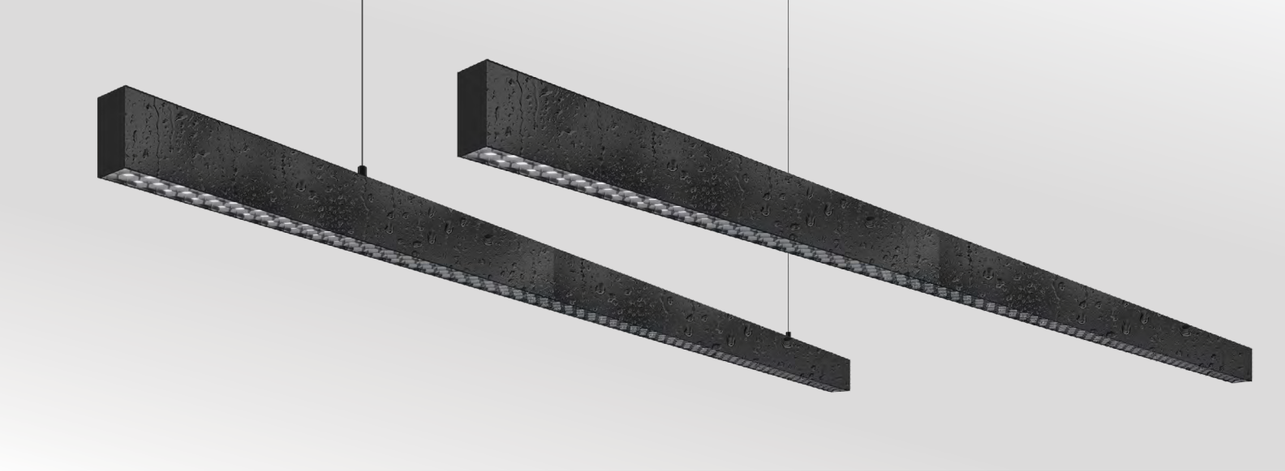
When you want to go out slim

The Neman IP66 is the outdoor version of our flagship Neman luminaire. Featuring the convenience and slim-line design of the Neman, it is also splash proof and suitable for corrosive environments. This makes it ideal for indoor lighting designs that extend outdoors.

The Neman IP66 has three mounting options: surface, pendant or recessed. When deployed outside, it offers a lighting quality to match that of an indoor environment.

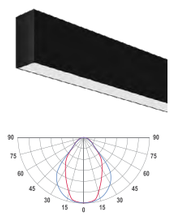
Order code explained

NEMAN IP66	R	OP	PW	RGBW-48	-	14	/	O3	825	L750	ND
FAMILY NAME Main information describing basis of the product	MOUNTING Determines the way luminaire will be mounted to the ceilings	COVER Determines what light diffuser is used to cover light engine	HOUSING COLOR Color of segment body	LIGHT ENGINE Determines what LED strip will be used in the product		POWER LED strip wattage per meter		TYPE LED manufacturer & LED strip generation code	SPECTRUM Code for required Color rendering index and Color temperature	LENGTH Length of segment	DIMMING Determines if dimming feature is required

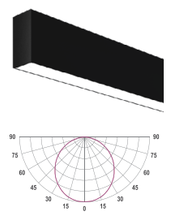


Neman IP66 - surface & pendant

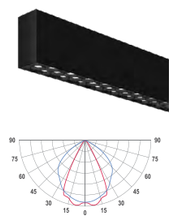
INDIVIDUAL LUMINAIRES FOR OUTDOOR



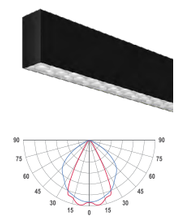
MICROPRISMATIC - MP
Low glare
Comfortable light



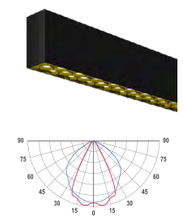
OPAL - OP
Diffused light
White line effect



HONEYCOMB BLACK - HB
Very low glare
High comfort soft light



HONEYCOMB WHITE - HW
Very low glare
High comfort soft light



HONEYCOMB GOLD - HG
Very low glare
High comfort soft light

Small and stylish, the Neman IP66 surface is a high-quality option for general outdoor lighting, public space lighting, and train or bus stations. Luminaires can be deployed individually or connected together to form a continuous line of lighting.

It is compatible with a wide range of light sources, including white, tunable white, RGB and RGB+W.

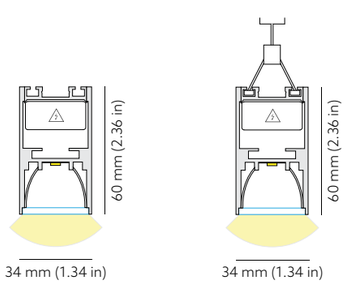
The Neman IP66 also features a specially designed anti-glare honeycomb that ensures a pleasant soft light output and gives a contemporary feel to the lighting effect.

TECHNICAL DATA

LED type	Nichia LEDs, 3-Step MacAdam
LED lumen maintenance	L90B10 > 60 000 h
Electrical	24 VDC, driver can be hidden inside luminaire
Housing	powder coated aluminium
Suspension system (for pendant)	Silver coloured, length - 2 m (6.56')
Lead cable (for pendant)	Transparent, length - 2 m (6.56')

A+ ENERGY EFFICIENT
NICHIA HIGHEST QUALITY LED
3-STEP MACADAM
UL APPROVED
CE COMPLIANT
MADE IN EUROPE
5 YEAR WARRANTY

TECHNICAL DRAWING



HOUSING COLORS

Gray - AG
White - PW
Black - PB
Custom (RAL)

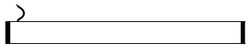
ORDER CODE

Order code example: NEMAN IP66 S OP PW FL-56/N3 - 830 L1000

Product:	Mounting:	Optics:	Housing color:	Light source:		Power:	Spectrum:	LENGTH:	Dimming:
NEMAN IP66					-				
	S Surface	MP Microprism	PW White	FL-56/N3	white				
	P Pendant	OP Opal	PG Gray	TW-56/N3	tunable white				
		HB Honey-Black	PB Black	RGB-48/O3	RGB				
		HW Honey-White		RGBW-48/O3	RGBW				
		HG Honey-Gold							

SEGMENT TYPE

INDIVIDUAL LUMINAIRE



Luminaire - LUM
Endcaps at both ends

LUMEN VALUES

White

		OPAL		MICROPRISMATIC		HONEYCOMB	
		19,2 W/m 5.9 W/ft	33,4 W/m 10.2 W/ft	19,2 W/m 5.9 W/ft	33,4 W/m 10.2 W/ft	19,2 W/m 5.9 W/ft	33,4 W/m 10.2 W/ft
SPECTRUM	KELVINS	19	33	19	33	19	33
820/822/825/827/830/	CRI 80+	1353-2069 Lm/m	2367-3604	1418-2168	2480-3776	1062-1624	1858-2828
835/840/850/857/865	2000-6500K	412-631 Lm/ft	722-1099	432-661	756-1151	324-495	566-862
920/922/925/927/930/	CRI 90+	1084-1762 Lm/m	1898-3079	1135-1846	1989-3226	851-1383	1490-2416
935/940/950/957/965	2000-6500K	330-537 Lm/ft	579-939	346-563	606-983	259-421	454-737
027/030/035/040/050	CRI 95+	1247-1434 Lm/m	2184-2507	1307-1502	2288-2626	979-1125	1714-1967
	2000-6500K	380-437 Lm/ft	666-764	398-458	697-800	298-343	522-600
	EFFICACY	108 lm/W	108 lm/W	113 lm/W	113 lm/W	85 lm/W	85 lm/W

Tunable

		OPAL		MICROPRISMATIC		HONEYCOMB	
		19,2 W/m 5.9 W/ft	33,4 W/m 10.2 W/ft	19,2 W/m 5.9 W/ft	33,4 W/m 10.2 W/ft	19,2 W/m 5.9 W/ft	33,4 W/m 10.2 W/ft
SPECTRUM	KELVINS	19	33	19	33	19	33
820/865 825/857	CRI 80+	1763-2076 Lm/m	2945-3468	1846-2174	3085-3633	1383-1629	2311-2721
827/857 827/850	2000-6500K	457-538 Lm/ft	898-1057	478-563	940-1107	422-496	704-829
920/965 925/957	CRI 90+	1503-1768 Lm/m	2489-2926	1574-1851	2607-3065	1179-1387	2311-2671
927/950	2000-6500K	458-539 Lm/ft	758-892	480-564	795-934	359-423	704-814
	EFFICACY	108 lm/W	104 lm/W	113 lm/W	113 lm/W	85 lm/W	81 lm/W

RGB

		OPAL				MICROPRISMATIC				HONEYCOMB			
		17,3 W/m	5.3 W/ft	28,8 W/m	8.8 W/ft	17,3 W/m	5.3 W/ft	28,8 W/m	8.8 W/ft	17,3 W/m	5.3 W/ft	28,8 W/m	8.8 W/ft
SPECTRUM	COLOR	17		28		17		28		17		28	
RGB	Total	393 Lm/m	102 Lm/ft	657	200	412	107	688	210	309	94	515	157
	EFFICACY	23 lm/w		23 lm/w		24 lm/w		24 lm/w		18 lm/w		18 lm/w	

RGBW

		OPAL		MICROPRISMATIC		HONEYCOMB	
		19,2 W/m 5.9 W/ft	24 W/m 7.3 W/ft	19,2 W/m 5.9 W/ft	24 W/m 7.3 W/ft	19,2 W/m 5.9 W/ft	24 W/m 7.3 W/ft
SPECTRUM	KELVINS	19	24	19	24	19	24
822 / 825 / 827 / 830	CRI 80+	688-801 Lm/m	1208-1424	721-839	1265-1492	540-629	948-1117
835 / 840 / 850 / 865	2200-6500K	210-244 Lm/ft	368-434	220-256	386-455	165-192	289-340
922 / 927 / 930 / 935	CRI 90+	642-702 Lm/m	1123-1235	673-736	1176-1294	504-551	881-969
940 / 950 / 965	2200-6500K	196-214 Lm/ft	342-376	205-224	358-394	154-168	269-295
	EFFICACY	21 lm/W	32 lm/W	22 lm/W	33 lm/W	17 lm/W	25 lm/W

LENGTHS

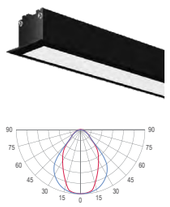
CODE	LENGTH		CODE	LENGTH		CODE	LENGTH		CODE	LENGTH	
L250	250 mm	10"	L1000	1000 mm	3' 3"	L1750	1750 mm	5' 9"	L2500	2500 mm	8' 2"
L500	500 mm	1' 8"	L1250	1250 mm	4' 1"	L2000	2000 mm	6' 7"	L2750	2750 mm	9'
L750	750 mm	2' 6"	L1500	1500 mm	4' 11"	L2250	2250 mm	7' 5"	L3000	3000 mm	9' 10"

*custom lengths at each 125mm available on request

Disclaimer:
Technical data is subject to change without prior notice.
Tolerances of +-5% in luminous flux and light color should be accepted.

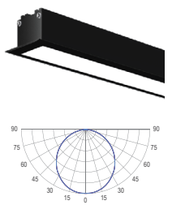
Neman IP66 - recessed

INDIVIDUAL LUMINAIRES FOR OUTDOOR



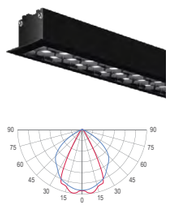
MICROPRISMATIC - MP

Low glare
Comfortable light



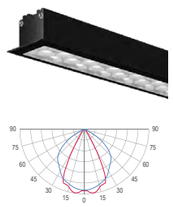
OPAL - OP

Diffused light
White line effect



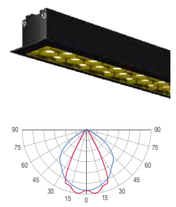
HONEYCOMB BLACK - HB

Very low glare
High comfort soft light



HONEYCOMB WHITE - HW

Very low glare
High comfort soft light



HONEYCOMB GOLD - HG

Very low glare
High comfort soft light

Highly versatile and customizable, the Neman IP66 recessed is a smart option for outdoor public spaces.

These luminaires can be mounted into walls and ceilings. And because they can be customized to almost any length, and deployed either individually or in continuous rows, they offer incredible flexibility for different lighting projects.

The light output is also customizable, with white, tunable white, RBG and RGB+W light sources all an option.

TECHNICAL DATA

LED type	Nichia LEDs, 3-Step MacAdam
LED lumen maintenance	L90B10 > 60 000 h
Electrical	24 VDC
Housing	powder coated aluminium

A+ ENERGY EFFICIENT

NICHIA HIGHEST QUALITY LED

3-STEP MACADAM

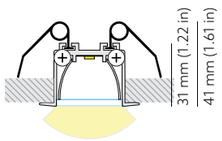
UL APPROVED

CE COMPLIANT

MADE IN EUROPE

5 YEAR WARRANTY

TECHNICAL DRAWING



34 mm (1.34 in)
48 mm (1.89 in)

HOUSING COLORS

Gray - AG

White - PW

Black - PB

Custom (RAL)

ORDER CODE

Order code example: NEMAN IP66 S OP PW FL-56/N3 - 830 L1000

Product:	Mounting:	Optics:	Housing color:	Light source:		Power:	Spectrum:	LENGTH:	Dimming:
NEMAN IP66					-				
	S Surface P Pendant	MP Microprism OP Opal HB Honey-Black HW Honey-White HG Honey-Gold	PW White PG Gray PB Black	FL-56/N3 TW-56/N3 RGB-48/O3 RGBW-48/O3	white tunable white RGB RGBW				

SEGMENT TYPE

INDIVIDUAL LUMINAIRE

Luminaire - LUM
Endcaps at both ends

LUMEN VALUES

White

		OPAL		MICROPRISMATIC		HONEYCOMB	
		19,2 W/m 5.9 W/ft	33,4 W/m 10.2 W/ft	19,2 W/m 5.9 W/ft	33,4 W/m 10.2 W/ft	19,2 W/m 5.9 W/ft	33,4 W/m 10.2 W/ft
SPECTRUM	KELVINS	19	33	19	33	19	33
820/822/825/827/830/	CRI 80+	1353-2069 Lm/m	2367-3604	1418-2168	2480-3776	1062-1624	1858-2828
835/840/850/857/865	2000-6500K	412-631 Lm/ft	722-1099	432-661	756-1151	324-495	566-862
920/922/925/927/930/	CRI 90+	1084-1762 Lm/m	1898-3079	1135-1846	1989-3226	851-1383	1490-2416
935/940/950/957/965	2000-6500K	330-537 Lm/ft	579-939	346-563	606-983	259-421	454-737
027/030/035/040/050	CRI 95+	1247-1434 Lm/m	2184-2507	1307-1502	2288-2626	979-1125	1714-1967
	2000-6500K	380-437 Lm/ft	666-764	398-458	697-800	298-343	522-600
	EFFICACY	108 lm/W	108 lm/W	113 lm/W	113 lm/W	85 lm/W	85 lm/W

Tunable

		OPAL		MICROPRISMATIC		HONEYCOMB	
		19,2 W/m 5.9 W/ft	33,4 W/m 10.2 W/ft	19,2 W/m 5.9 W/ft	33,4 W/m 10.2 W/ft	19,2 W/m 5.9 W/ft	33,4 W/m 10.2 W/ft
SPECTRUM	KELVINS	19	33	19	33	19	33
820/865 825/857	CRI 80+	1763-2076 Lm/m	2945-3468	1846-2174	3085-3633	1383-1629	2311-2721
827/857 827/850	2000-6500K	457-538 Lm/ft	898-1057	478-563	940-1107	422-496	704-829
920/965 925/957	CRI 90+	1503-1768 Lm/m	2489-2926	1574-1851	2607-3065	1179-1387	2311-2671
927/950	2000-6500K	458-539 Lm/ft	758-892	480-564	795-934	359-423	704-814
	EFFICACY	108 lm/W	104 lm/W	113 lm/W	113 lm/W	85 lm/W	81 lm/W

RGB

		OPAL				MICROPRISMATIC				HONEYCOMB			
		17,3 W/m	5.3 W/ft	28,8 W/m	8.8 W/ft	17,3 W/m	5.3 W/ft	28,8 W/m	8.8 W/ft	17,3 W/m	5.3 W/ft	28,8 W/m	8.8 W/ft
SPECTRUM	COLOR	17		28		17		28		17		28	
RGB	Total	393 Lm/m	102 Lm/ft	657	200	412	107	688	210	309	94	515	157
	EFFICACY	23 lm/w		23 lm/w		24 lm/w		24 lm/w		18 lm/w		18 lm/w	

RGBW

		OPAL		MICROPRISMATIC		HONEYCOMB	
		19,2 W/m 5.9 W/ft	24 W/m 7.3 W/ft	19,2 W/m 5.9 W/ft	24 W/m 7.3 W/ft	19,2 W/m 5.9 W/ft	24 W/m 7.3 W/ft
SPECTRUM	KELVINS	19	24	19	24	19	24
822 / 825 / 827 / 830	CRI 80+	688-801 Lm/m	1208-1424	721-839	1265-1492	540-629	948-1117
835 / 840 / 850 / 865	2200-6500K	210-244 Lm/ft	368-434	220-256	386-455	165-192	289-340
922 / 927 / 930 / 935	CRI 90+	642-702 Lm/m	1123-1235	673-736	1176-1294	504-551	881-969
940 / 950 / 965	2200-6500K	196-214 Lm/ft	342-376	205-224	358-394	154-168	269-295
	EFFICACY	21 lm/W	32 lm/W	22 lm/W	33 lm/W	17 lm/W	25 lm/W

LENGTHS

CODE	LENGTH		CODE	LENGTH		CODE	LENGTH		CODE	LENGTH	
L250	250 mm	10"	L1000	1000 mm	3' 3"	L1750	1750 mm	5' 9"	L2500	2500 mm	8' 2"
L500	500 mm	1' 8"	L1250	1250 mm	4' 1"	L2000	2000 mm	6' 7"	L2750	2750 mm	9'
L750	750 mm	2' 6"	L1500	1500 mm	4' 11"	L2250	2250 mm	7' 5"	L3000	3000 mm	9' 10"

*custom lengths at each 125mm available on request

Disclaimer:
Technical data is subject to change without prior notice.
Tolerances of +-5% in luminous flux and light color should be accepted.