

**HOLECTRON**



## Your unique lighting projects, our tailored solutions

**CUSTOMIZABLE LINEAR LED LIGHTING PRODUCTS FOR PROFESSIONAL LIGHTING APPLICATIONS, ALL MANUFACTURED TO THE VERY HIGHEST STANDARD.**

At Holecron, 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.

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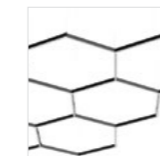
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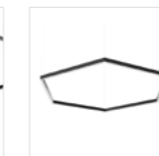
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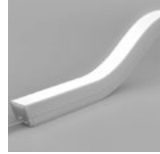
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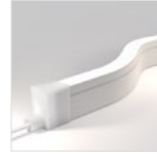


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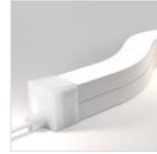
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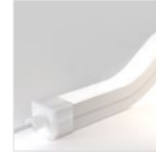
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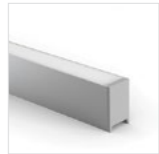
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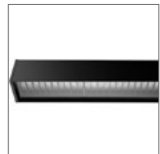
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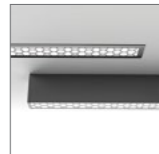
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**INDOOR**

# LED STRIPS

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.

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.

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.

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



CRI 80+  
CRI 90+  
CRI 95+



3-step  
MacAdam  
LEDs



Stabilized  
current



Highest  
quality  
LEDs



Over 800  
LED strips  
modifications



Up to 7223 lm/m  
Luminous flux



Production line  
focused only  
for LED strips



Exporting to  
46 different  
countries



Thermally  
conductive  
adhesive tape



CE compliant



UL approved



Made in  
Europe



5- year  
warranty



L90B10  
60.000 hours

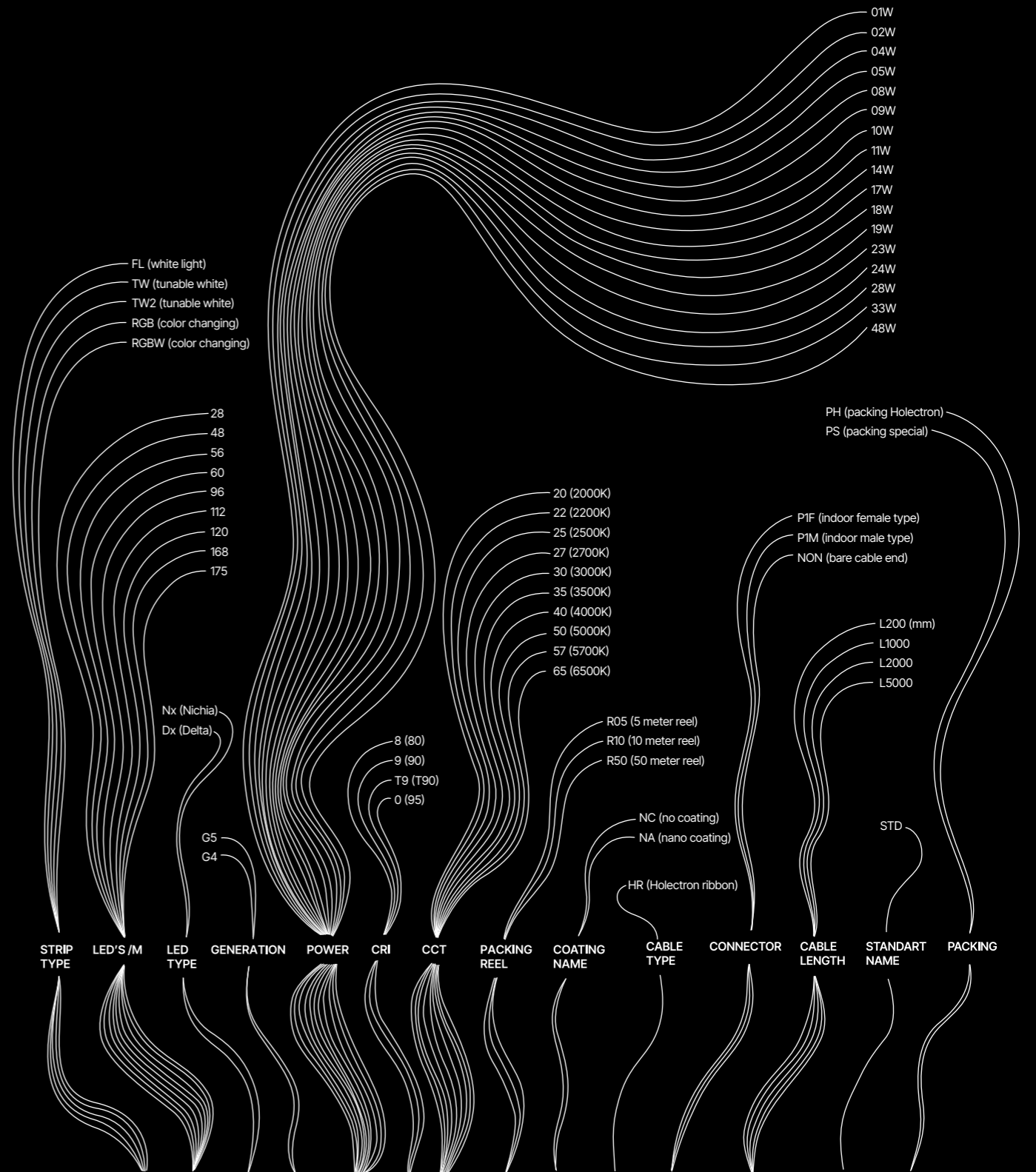


Up to 191 lm/W  
Luminous  
efficacy



Customization  
for your project

# WHITE LIGHT



**FL112/Nx G5 19W 035 R10 NA HR J1x L0200 STD PH**

ORDER CODE EXAMPLE



# FL28/Nx Nichia - White Light

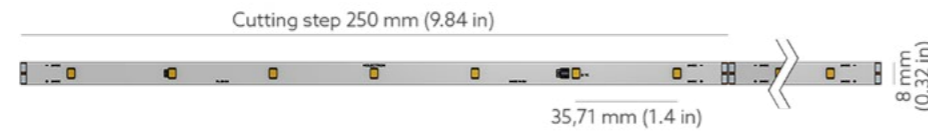
## TECHNICAL DATA

LEDs per meter	28 LEDs/m	9 LEDs/ft
Voltage	24 VDC (22.5 - 25 VDC)	
Tape width	8 mm	0.32"
Cutting step	250 mm	9.84"
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	33' or 164'

## MAXIMUM RUN

1,2 W	31m	101'
2,4 W	20 m	65'
4,8 W	13 m	42'
9,12 W	8,5 m	27'

## TECHNICAL DRAWING



## LUMEN VALUES

CRI 80+		POWER															
		1,2 W/m	0,4 W/ft	2,4 W/m	0,7 W/ft	4,8 W/m	1,5 W/ft	9,12 W/m	2,8 W/ft	14,4 W/m	4,4 W/ft	18,2 W/m	5,5 W/ft	33,4 W/m	10,2 W/ft	48 W/m	14,6 W/ft
SPECTRUM	KELVINS	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	122	37	250	76	505	154	926	282	-	-	-	-	-	-	-	-
822	2200K	132	40	271	83	546	166	1001	305	-	-	-	-	-	-	-	-
825	2500K	145	44	296	90	598	182	1096	334	-	-	-	-	-	-	-	-
827	2700K	170	52	347	106	699	213	1282	391	-	-	-	-	-	-	-	-
830	3000K	175	53	357	109	720	219	1320	402	-	-	-	-	-	-	-	-
835	3500K	179	55	365	111	737	225	1351	412	-	-	-	-	-	-	-	-
840	4000K	179	55	366	112	739	225	1354	413	-	-	-	-	-	-	-	-
850	5000K	197	60	391	119	767	234	1412	430	-	-	-	-	-	-	-	-
857	5700K	190	58	377	115	740	226	1363	415	-	-	-	-	-	-	-	-
865	6500K	190	58	377	115	740	226	1363	415	-	-	-	-	-	-	-	-
EFFICACY		164 lm/W		163 lm/W		160 lm/W		147 lm/W									

CRI 90+		POWER															
		1,2 W/m	0,4 W/ft	2,4 W/m	0,7 W/ft	4,8 W/m	1,5 W/ft	9,12 W/m	2,8 W/ft	14,4 W/m	4,4 W/ft	18,2 W/m	5,5 W/ft	33,4 W/m	10,2 W/ft	48 W/m	14,6 W/ft
SPECTRUM	KELVINS	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	106	32	210	64	409	125	742	226	-	-	-	-	-	-	-	-
922	2200K	115	35	227	69	442	135	803	245	-	-	-	-	-	-	-	-
925	2500K	124	38	246	75	480	146	871	265	-	-	-	-	-	-	-	-
T927	2700K	175	53	347	106	682	208	1255	382	-	-	-	-	-	-	-	-
T930	3000K	184	56	365	111	717	218	1319	402	-	-	-	-	-	-	-	-
T935	3500K	189	58	374	114	735	224	1353	412	-	-	-	-	-	-	-	-
T940	4000K	191	58	379	115	745	227	1371	417	-	-	-	-	-	-	-	-
T950	5000K	192	58	381	116	749	228	1382	421	-	-	-	-	-	-	-	-
T957	5700K	185	56	367	112	723	220	1334	406	-	-	-	-	-	-	-	-
T965	6500K	185	56	367	112	723	220	1334	406	-	-	-	-	-	-	-	-
EFFICACY		160 lm/W		159 lm/W		156 lm/W		152 lm/W									

CRI 95+		POWER															
		1,2 W/m	0,4 W/ft	2,4 W/m	0,7 W/ft	4,8 W/m	1,5 W/ft	9,12 W/m	2,8 W/ft	14,4 W/m	4,4 W/ft	18,2 W/m	5,5 W/ft	33,4 W/m	10,2 W/ft	48 W/m	14,6 W/ft
SPECTRUM	KELVINS	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	122	37	243	74	475	145	862	263	-	-	-	-	-	-	-	-
030	3000K	125	38	248	76	485	148	881	269	-	-	-	-	-	-	-	-
035	3500K	128	39	253	77	496	151	900	274	-	-	-	-	-	-	-	-
040	4000K	129	39	257	78	502	153	911	278	-	-	-	-	-	-	-	-
050	5000K	138	42	257	84	539	164	982	299	-	-	-	-	-	-	-	-
EFFICACY		115 lm/W		115 lm/W		112 lm/W		102 lm/W									

# FL56/Nx Nichia - White Light



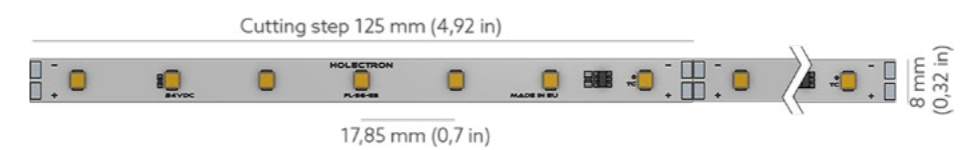
## TECHNICAL DATA

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	33' or 164'

## MAXIMUM RUN

2,4 W	18,5 m	61'
4,8 W	13 m	43'
9,6 W	7,5 m	31'
14,4 W	6 m	20'
18,2 W	5 m	16'

## TECHNICAL DRAWING



## LUMEN VALUES

CRI 80+		POWER															
		1,2 W/m	0,4 W/ft	2,4 W/m	0,7 W/ft	4,8 W/m	1,5 W/ft	9,6 W/m	2,9 W/ft	14,4 W/m	4,4 W/ft	18,2 W/m	5,5 W/ft	33,4 W/m	10,2 W/ft	48 W/m	14,6 W/ft
SPECTRUM	KELVINS	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	-	-	245	75	501	153	1010	308	1490	454	1852	564	-	-	-	-
822	2200K	-	-	265	81	542	165	1093	333	1612	491	2003	611	-	-	-	-
825	2500K	-	-	290	88	593	181	1196	365	1765	538	2193	668	-	-	-	-
827	2700K	-	-	339	103	694	212	1399	426	2064	629	2565	782	-	-	-	-
830	3000K	-	-	350	107	714	218	1441	439	2126	648	2641	805	-	-	-	-
835	3500K	-	-	358	109	731	223	1474	449	2174	663	2702	824	-	-	-	-
840	4000K	-	-	359	109	733	223	1478	450	2180	664	2709	826	-	-	-	-
850	5000K	-	-	394	120	781	238	1535	468	2262	689	2825	861	-	-	-	-
857	5700K	-	-	380	116	754	230	1481	451	2182	665	2726	831	-	-	-	-
865	6500K	-	-	380	116	754	230	1481	451	2182	665	2726	831	-	-	-	-
EFFICACY				164 lm/W		163 lm/W		160 lm/W		157 lm/W		155 lm/W					

CRI 90+		POWER															
		1,2 W/m	0,4 W/ft	2,4 W/m	0,7 W/ft	4,8 W/m	1,5 W/ft	9,6 W/m	2,9 W/ft	14,4 W/m	4,4 W/ft	18,2 W/m	5,5 W/ft	33,4 W/m	10,2 W/ft	48 W/m	14,6 W/ft
SPECTRUM	KELVINS	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	-	-	212	65	420	128	818	249	1196	365	1484	452	-	-	-	-
922	2200K	-	-	230	70	454	138	885	270	1294	394	1606	490	-	-	-	-
925	2500K	-	-	249	76	493	150	960	293	1403	428	1742	531	-	-	-	-
T927	2700K	-	-	350	107	695	212	1364	415	2010	612	2511	651	-	-	-	-
T930	3000K	-	-	368	112	730	222	1434	437	2112	643	2638	669	-	-	-	-
T935	3500K	-	-	377	115	748	228	1470	448	2166	660	2706	685	-	-	-	-
T940	4000K	-	-	383	117	759	231	1491	454	2196	669	2743	692	-	-	-	-
T950	5000K	-	-	384	117	762	232	1499	456	2211	673	2765	734	-	-	-	-
T957	5700K	-	-	370	113	735	224	1446	440	2134	650	2668	730	-	-	-	-
T965	6500K	-	-	370	113	735	224	1446	440	2134	650	2668	725	-	-	-	-
EFFICACY				160 lm/W		159 lm/W		156 lm/W		154 lm/W		152 lm/W					

CRI 95+		POWER															
		1,2 W/m	0,4 W/ft	2,4 W/m	0,7 W/ft	4,8 W/m	1,5 W/ft	9,6 W/m	2,9 W/ft	14,4 W/m	4,4 W/ft	18,2 W/m	5,5 W/ft	33,4 W/m	10,2 W/ft	48 W/m	14,6 W/ft
SPECTRUM	KELVINS	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	-	-	245	75	486	148	950	290	1388	423	1724	525	-	-	-	-
030	3000K	-	-	250	76	497	151	971	296	1419	433	1762	537	-	-	-	-
035	3500K	-	-	256	78	507	155	992	302	1449	442	1799	548	-	-	-	-
040	4000K	-	-	259	79	514	157	1004	306	1468	447	1822	555	-	-	-	-
050	5000K	-	-	277	84	550	168	1079	329	1580	482	1965	599	-	-	-	-
EFFICACY				115 lm/W		115 lm/W		112 lm/W		110 lm/W		108 lm/W					





# FL60E/Nx Nichia - White Light

## TECHNICAL DATA

LEDs per meter	60 LEDs/m	19 LEDs/ft
Voltage	24 VDC (22.5 - 25 VDC)	
Tape width	8 mm	0.32"
Cutting step	100 mm	3.93"
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	33' or 164'

## MAXIMUM RUN

1,2 W	15,5 m	50'
2,4 W	10,5 m	34'
4,8 W	7 m	22'
9,6 W	4,5 m	14'

## TECHNICAL DRAWING



## LUMEN VALUES

CRI 80+		POWER															
		1,2 W/m	0,4 W/ft	2,4 W/m	0,7 W/ft	4,8 W/m	1,5 W/ft	9,6 W/m	2,9 W/ft	14,4 W/m	4,4 W/ft	18,2 W/m	5,5 W/ft	33,4 W/m	10,2 W/ft	48 W/m	14,6 W/ft
SPECTRUM	KELVINS	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	105	32	209	64	426	130	867	264	-	-	-	-	-	-	-	-
822	2200K	113	34	226	69	461	141	938	286	-	-	-	-	-	-	-	-
825	2500K	124	38	247	75	505	154	1026	313	-	-	-	-	-	-	-	-
827	2700K	145	44	289	88	591	180	1201	366	-	-	-	-	-	-	-	-
830	3000K	149	45	298	91	608	185	1236	377	-	-	-	-	-	-	-	-
835	3500K	153	47	305	93	622	190	1265	386	-	-	-	-	-	-	-	-
840	4000K	153	47	305	93	624	190	1268	386	-	-	-	-	-	-	-	-
850	5000K	169	52	338	103	672	205	1325	404	-	-	-	-	-	-	-	-
857	5700K	164	50	327	100	649	198	1279	390	-	-	-	-	-	-	-	-
865	6500K	164	50	327	100	649	198	1279	390	-	-	-	-	-	-	-	-
EFFICACY		141 lm/W		141 lm/W		140 lm/W		138 lm/W									

CRI 90+		POWER															
		1,2 W/m	0,4 W/ft	2,4 W/m	0,7 W/ft	4,8 W/m	1,5 W/ft	9,6 W/m	2,9 W/ft	14,4 W/m	4,4 W/ft	18,2 W/m	5,5 W/ft	33,4 W/m	10,2 W/ft	48 W/m	14,6 W/ft
SPECTRUM	KELVINS	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	91	28	182	55	409	110	709	216	-	-	-	-	-	-	-	-
922	2200K	99	30	197	60	442	119	767	234	-	-	-	-	-	-	-	-
925	2500K	107	33	214	65	480	129	832	254	-	-	-	-	-	-	-	-
T927	2700K	151	46	301	92	597	182	1178	359	-	-	-	-	-	-	-	-
T930	3000K	158	48	316	96	628	191	1238	377	-	-	-	-	-	-	-	-
T935	3500K	162	49	324	99	644	196	1269	386	-	-	-	-	-	-	-	-
T940	4000K	165	50	329	100	653	199	1287	392	-	-	-	-	-	-	-	-
T950	5000K	165	50	329	100	655	199	1293	394	-	-	-	-	-	-	-	-
T957	5700K	159	48	318	97	632	192	1248	380	-	-	-	-	-	-	-	-
T965	6500K	159	48	318	97	632	192	1248	380	-	-	-	-	-	-	-	-
EFFICACY		138 lm/W		137 lm/W		136 lm/W		135 lm/W									

CRI 95+		POWER															
		1,2 W/m	0,4 W/ft	2,4 W/m	0,7 W/ft	4,8 W/m	1,5 W/ft	9,6 W/m	2,9 W/ft	14,4 W/m	4,4 W/ft	18,2 W/m	5,5 W/ft	33,4 W/m	10,2 W/ft	48 W/m	14,6 W/ft
SPECTRUM	KELVINS	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	105	32	210	64	418	127	822	250	-	-	-	-	-	-	-	-
030	3000K	108	33	215	65	427	130	840	256	-	-	-	-	-	-	-	-
035	3500K	110	33	220	67	437	133	858	261	-	-	-	-	-	-	-	-
040	4000K	111	34	222	68	442	135	869	265	-	-	-	-	-	-	-	-
050	5000K	119	36	238	72	473	144	933	284	-	-	-	-	-	-	-	-
EFFICACY		99 lm/W		99 lm/W		99 lm/W		97 lm/W									

# FL112/Nx Nichia - White Light



## 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

4,8W	13 m	43'
9,6W	9 m	29'
14,4W	7 m	22,9'
19,2W	5,5 m	18'
24W	4,5 m	15'
33,6W	3,5 m	11'

## TECHNICAL DRAWING



## LUMEN VALUES

CRI 80+		POWER															
		1,92 W/m	0,6 W/ft	2,4 W/m	0,7 W/ft	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	33,6 W/m	10,2 W/ft
SPECTRUM	KELVINS	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	-	-	-	-	490	149	1002	305	1516	462	2021	616	2509	765	3436	1047
822	2200K	-	-	-	-	531	162	1084	330	1640	500	2186	666	2715	828	3718	1133
825	2500K	-	-	-	-	581	177	1187	362	1796	547	2393	729	2972	906	4070	1241
827	2700K	-	-	-	-	679	207	1388	423	2100	640	2799	853	3476	1059	4760	1451
830	3000K	-	-	-	-	700	213	1429	436	2162	659	2882	878	3579	1091	4901	1494
835	3500K	-	-	-	-	716	218	1462	446	2212	674	2948	899	3662	1116	5014	1528
840	4000K	-	-	-	-	718	219	1466	447	2218	676	2957	901	3672	1119	5028	1533
850	5000K	-	-	-	-	789	240	1563	476	2324	708	3070	936	3804	1159	5232	1595
857	5700K	-	-	-	-	761	232	1508	460	2242	683	2963	903	3670	1119	5048	1539
865	6500K	-	-	-	-	761	232	1508	460	2242	683	2963	903	3670	1119	5048	1539
EFFICACY						164 lm/W		163 lm/W		161 lm/W		160 lm/W		159 lm/W		156 lm/W	

CRI 90+		POWER															
		1,92 W/m	0,6 W/ft	2,4 W/m	0,7 W/ft	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	33,6 W/m	10,2 W/ft
SPECTRUM	KELVINS	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	-	-	-	-	425	130	840	256	1244	379	1637	499	2020	616	2755	840
922	2200K	-	-	-	-	465	142	908	277	1346	410	1771	540	2185	666	2980	908
925	2500K	-	-	-	-	499	152	986	301	1460	445	1921	586	2370	722	3233	985
T927	2700K	-	-	-	-	701	213	1390	423	2065	629	2729	831	3381	1030	4650	1416
T930	3000K	-	-	-	-	737	224	1460	445	2170	661	2868	873	3552	1082	4886	1488
T935	3500K	-	-	-	-	755	230	1497	456	2226	678	2941	896	3643	1109	5011	1526
T940	4000K	-	-	-	-	766	233	1518	462	2257	687	2982	908	3694	1125	5080	1547
T950	5000K	-	-	-	-	768	234	1524	464	2268	691	2999	913	3717	1132	5119	1559
T957	5700K	-	-	-	-	741	226	1470	448	2188	666	2893	881	3586	1092	4938	1504
T965	6500K	-	-	-	-	741	226	1470	448	2188	666	2893	881	3586	1092	4938	1504
EFFICACY						160 lm/W		159 lm/W		158 lm/W		156 lm/W		155 lm/W		152 lm/W	

CRI 95+		POWER															
		1,92 W/m	0,6 W/ft	2,4 W/m	0,7 W/ft	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	33,6 W/m	10,2 W/ft
SPECTRUM	KELVINS	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	-	-	-	-	491	150	973	297	1443	440	1900	579	2345	715	3199	975
030	3000K	-	-	-	-	501	153	994	303	1475	450	1942	592	2396	730	3269	996
035	3500K	-	-	-	-	512	156	1015	309	1506	459	1984	605	2448	746	3340	1018
040	4000K	-	-	-	-	519	158	1028	313	1525	465	2009	612	2478	755	3382	1031
050	5000K	-	-	-	-	554	169	1101	336	1637	499	2159	658	2667	813	3645	1111
EFFICACY						115 lm/W		115 lm/W		114 lm/W		112 lm/W		111 lm/W		108 lm/W	



# FL112/Nx 48V Nichia - White Light

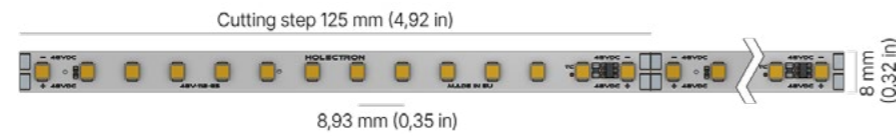
## TECHNICAL DATA

LEDs per meter	112 LEDs/m	34 LEDs/ft
Voltage	24 VDC (22.5 - 25 VDC)	
Tape width	8 mm	0.32"
Cutting step	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	33' or 164'

## MAXIMUM RUN

4,8 W	32,5 m	106'
9,6 W	22,5 m	73'
14,4 W	17,5 m	57'
19,2 W	14 m	45'
24 W	11 m	36'

## TECHNICAL DRAWING



## LUMEN VALUES

CRI 80+		POWER															
		1,2 W/m	0,4 W/ft	2,4 W/m	0,7 W/ft	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	5,8 W/ft	24 W/m	7,3 W/ft	48 W/m	14,6 W/ft
SPECTRUM	KELVINS	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					490	149	1002	305	1516	461	2021	615	2509	763	-	-
822	2200K					531	161	1084	330	1640	499	2186	665	2715	826	-	-
825	2500K					581	177	1187	361	1796	547	2393	728	2972	905	-	-
827	2700K					679	206	1388	422	2100	639	2799	852	3476	1058	-	-
830	3000K					700	213	1429	435	2162	658	2882	877	3579	1089	-	-
835	3500K					716	218	1462	445	2212	673	2948	897	3662	1115	-	-
840	4000K					718	218	1466	446	2218	675	2957	900	3672	1118	-	-
850	5000K					789	240	1563	476	2324	707	3070	935	3804	1158	-	-
857	5700K					761	231	1508	459	2242	682	2963	902	3670	1117	-	-
865	6500K					761	231	1508	459	2242	682	2963	902	3670	1117	-	-
EFFICACY				164 lm/W		163 lm/W		161 lm/W		160 lm/W		159 lm/W					

CRI 90+		POWER															
		1,2 W/m	0,4 W/ft	2,4 W/m	0,7 W/ft	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	5,8 W/ft	24 W/m	7,3 W/ft	48 W/m	14,6 W/ft
SPECTRUM	KELVINS	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					425	129	840	256	1244	379	1637	498	2020	615	-	-
922	2200K					465	142	908	276	1346	410	1771	539	2185	665	-	-
925	2500K					499	152	986	300	1460	445	1921	585	2370	722	-	-
T927	2700K					701	213	1390	423	2065	629	2729	831	3381	1030	-	-
T930	3000K					737	224	1460	445	2170	661	2868	873	3552	1082	-	-
T935	3500K					755	230	1497	456	2226	678	2941	896	3643	1109	-	-
T940	4000K					766	233	1518	462	2257	687	2982	908	3694	1125	-	-
T950	5000K					768	234	1524	464	2268	691	2999	913	3717	1132	-	-
T957	5700K					741	226	1470	448	2188	666	2893	881	3586	1092	-	-
T965	6500K					741	226	1470	448	2188	666	2893	881	3586	1092	-	-
EFFICACY				160 lm/W		159 lm/W		158 lm/W		156 lm/W		155 lm/W					

CRI 95+		POWER															
		1,2 W/m	0,4 W/ft	2,4 W/m	0,7 W/ft	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	5,8 W/ft	24 W/m	7,3 W/ft	48 W/m	14,6 W/ft
SPECTRUM	KELVINS	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					491	150	973	296	1443	439	1900	579	2345	714	-	-
030	3000K					501	153	994	303	1475	449	1942	591	2396	730	-	-
035	3500K					512	156	1015	309	1506	459	1984	604	2448	745	-	-
040	4000K					519	158	1028	313	1525	464	2009	612	2478	755	-	-
050	5000K					554	169	1101	335	1637	498	2159	657	2667	812	-	-
EFFICACY				115 lm/W		115 lm/W		114 lm/W		112 lm/W		111 lm/W					

# FL120E/Nx Nichia - White Light



## TECHNICAL DATA

LEDs per meter	120 LEDs/m	39 LEDs/ft
Voltage	24 VDC (22.5 - 25 VDC)	
Tape width	8 mm	0.32"
Cutting step	50 mm	1.96"
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	33' or 164'

## MAXIMUM RUN

2,4 W	11 m	36'
4,8 W	7 m	22'
9,6 W	4,5 m	14'
14,4 W	3,5 m	11'
19,2 W	3 m	9'

## TECHNICAL DRAWING



## LUMEN VALUES

CRI 80+		POWER															
		1,2 W/m	0,4 W/ft	2,4 W/m	0,7 W/ft	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	5,8 W/ft	33,4 W/m	10,2 W/ft	48 W/m	14,6 W/ft
SPECTRUM	KELVINS	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	-	-	209	64	418	127	853	260	1294	394	1734	529	-	-	-	-
822	2200K	-	-	226	69	452	138	923	281	1401	427	1876	572	-	-	-	-
825	2500K	-	-	248	76	495	151	1010	308	1533	467	2053	626	-	-	-	-
827	2700K	-	-	290	88	579	176	1182	360	1793	547	2402	732	-	-	-	-
830	3000K	-	-	298	91	596	182	1217	371	1846	563	2473	754	-	-	-	-
835	3500K	-	-	305	93	610	186	1245	379	1889	576	2529	771	-	-	-	-
840	4000K	-	-	306	93	611	186	1248	380	1894	577	2537	773	-	-	-	-
850	5000K	-	-	339	103	677	206	1345	410	2003	611	2651	808	-	-	-	-
857	5700K	-	-	327	100	653	199	1298	396	1932	589	2558	780	-	-	-	-
865	6500K	-	-	327	100	653	199	1298	396	1932	589	2558	780	-	-	-	-
EFFICACY				141 lm/W		141 lm/W		140 lm/W		139 lm/W		138 lm/W					

CRI 90+		POWER															
		1,2 W/m	0,4 W/ft	2,4 W/m	0,7 W/ft	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	5,8 W/ft	33,4 W/m	10,2 W/ft	48 W/m	14,6 W/ft
SPECTRUM	KELVINS	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	-	-	183	56	365	111	723	220	1074	327	1418	432	-	-	-	-
922	2200K	-	-	198	60	395	120	783	239	1162	354	1534	468	-	-	-	-
925	2500K	-	-	214	65	428	130	849	259	1261	384	1664	507	-	-	-	-
T927	2700K	-	-	301	91	602	183	1195	364	1780	542	2356	717	-	-	-	-
T930	3000K	-	-	316	96	632	192	1256	382	1870	569	2476	754	-	-	-	-
T935	3500K	-	-	325	98	649	197	1288	392	1918	584	2539	773	-	-	-	-
T940	4000K	-	-	329	100	658	200	1306	397	1945	592	2574	784	-	-	-	-
T950	5000K	-	-	330	100	659	200	1310	399	1953	594	2587	788	-	-	-	-
T957	5700K	-	-	318	96	636	193	1264	385	1884	573	2496	760	-	-	-	-
T965	6500K	-	-	318	96	636	193	1264	385	1884	573	2496	760	-	-	-	-
EFFICACY				138 lm/W		137 lm/W		136 lm/W		136 lm/W		135 lm/W					

CRI 95+		POWER															
		1,2 W/m	0,4 W/ft	2,4 W/m	0,7 W/ft	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	5,8 W/ft	33,4 W/m	10,2 W/ft	48 W/m	14,6 W/ft
SPECTRUM	KELVINS	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	-	-	211	64	421	128	837	255	1245	379	1645	501	-	-	-	-
030	3000K	-	-	215	66	430	131	855	261	1273	388	1681	512	-	-	-	-
035	3500K	-	-	220	67	440	134	874	266	1300	396	1717	523	-	-	-	-
040	4000K	-	-	223	68	445	136	885	270	1316	401	1739	530	-	-	-	-
050	5000K	-	-	238	73	476	145	947	289	1411	430	1867	569	-	-	-	-
EFFICACY				99 lm/W		99 lm/W		99 lm/W		98 lm/W		97 lm/W					





# FL28/Dx Delta- White Light

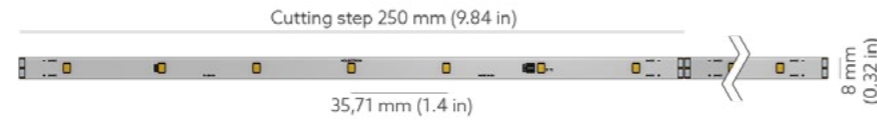
## TECHNICAL DATA

LEDs per meter	28 LEDs/m	9 LEDs/ft
Voltage	24 VDC (22.5 - 25 VDC)	
Tape width	8 mm	0.32"
Cutting step	250 mm	9.84"
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	33' or 164'

## MAXIMUM RUN

1.2 W	29,5 m	96'
2.4 W	18 m	59'
4.8 W	10,5 m	34'
9.6 W	5,5 m	18'

## TECHNICAL DRAWING



## LUMEN VALUES

CRI 80+		POWER															
SPECTRUM	KELVINS	1,2 W/m	0.4 W/ft	2,4 W/m	0.7 W/ft	4,8 W/m	1.5 W/ft	9,6 W/m	2.9 W/ft	14,4 W/m	4.4 W/ft	18,2 W/m	5.5 W/ft	33,4 W/m	10.2 W/ft	48 W/m	14.6 W/ft
822	2200K	142	43	277	84	548	167	997	304	-	-	-	-	-	-	-	-
827	2700K	161	49	316	96	624	190	1135	346	-	-	-	-	-	-	-	-
830	3000K	161	49	316	96	624	190	1135	346	-	-	-	-	-	-	-	-
835	3500K	171	52	334	102	663	202	1202	366	-	-	-	-	-	-	-	-
840	4000K	171	52	334	102	663	202	1202	366	-	-	-	-	-	-	-	-
850	5000K	181	55	354	108	700	213	1272	388	-	-	-	-	-	-	-	-
857	5700K	181	55	354	108	700	213	1272	388	-	-	-	-	-	-	-	-
865	6500K	181	55	354	108	700	213	1272	388	-	-	-	-	-	-	-	-
	EFFICACY	151 lm/W		148 lm/W		146 lm/W		139 lm/W									

CRI 90+		POWER															
SPECTRUM	KELVINS	1,2 W/m	0.4 W/ft	2,4 W/m	0.7 W/ft	4,8 W/m	1.5 W/ft	9,6 W/m	2.9 W/ft	14,4 W/m	4.4 W/ft	18,2 W/m	5.5 W/ft	33,4 W/m	10.2 W/ft	48 W/m	14.6 W/ft
922	2200K	115	35	228	69	443	135	796	243	-	-	-	-	-	-	-	-
T927	2700K	168	51	333	101	649	198	1176	358	-	-	-	-	-	-	-	-
T930	3000K	170	52	336	102	658	200	1192	363	-	-	-	-	-	-	-	-
T935	3500K	170	52	338	103	660	201	1198	365	-	-	-	-	-	-	-	-
T940	4000K	176	54	347	106	674	205	1209	368	-	-	-	-	-	-	-	-
T950	5000K	176	54	347	106	674	205	1226	373	-	-	-	-	-	-	-	-
T957	5700K	170	52	338	103	660	201	1198	365	-	-	-	-	-	-	-	-
T965	6500K	170	52	338	103	660	201	1198	365	-	-	-	-	-	-	-	-
	EFFICACY	147 lm/W		145 lm/W		140 lm/W		134 lm/W									

# FL56/Dx Delta - White Light



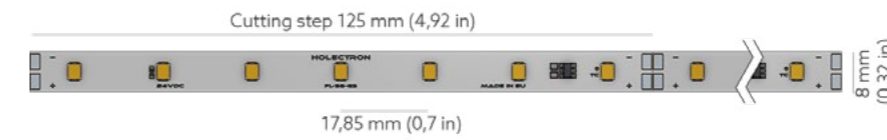
## TECHNICAL DATA

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

2,4 W	18 m	59'
4,8 W	12 m	39'
9,6 W	7 m	23'
14,4 W	5,5 m	18'
18,2 W	4 m	13'

## TECHNICAL DRAWING



## LUMEN VALUES

CRI 80+		POWER															
SPECTRUM	KELVINS	1,2 W/m	0.4 W/ft	2,4 W/m	0.7 W/ft	4,8 W/m	1.5 W/ft	9,6 W/m	2.9 W/ft	14,4 W/m	4.4 W/ft	18,2 W/m	5.6 W/ft	33,4 W/m	10.2 W/ft	48 W/m	14.6 W/ft
822	2200K	-	-	284	87	555	169	1097	334	1605	489	1995	608	-	-	-	-
827	2700K	-	-	323	98	632	193	1249	381	1829	557	2270	692	-	-	-	-
830	3000K	-	-	323	98	632	193	1249	381	1829	557	2270	692	-	-	-	-
835	3500K	-	-	343	105	671	205	1326	404	1937	590	2405	733	-	-	-	-
840	4000K	-	-	343	105	671	205	1326	404	1937	590	2405	733	-	-	-	-
850	5000K	-	-	362	110	708	216	1400	427	2050	625	2544	775	-	-	-	-
857	5700K	-	-	362	110	708	216	1400	427	2050	625	2544	775	-	-	-	-
865	6500K	-	-	362	110	708	216	1400	427	2050	625	2544	775	-	-	-	-
	EFFICACY	151 lm/W		148 lm/W		146 lm/W		142 lm/W		140 lm/W							

CRI 90+		POWER															
SPECTRUM	KELVINS	1,2 W/m	0.4 W/ft	2,4 W/m	0.7 W/ft	4,8 W/m	1.5 W/ft	9,6 W/m	2.9 W/ft	14,4 W/m	4.4 W/ft	18,2 W/m	5.6 W/ft	33,4 W/m	10.2 W/ft	48 W/m	14.6 W/ft
922	2200K	-	-	230	70	457	139	886	270	1291	393	1593	486	-	-	-	-
T927	2700K	-	-	336	102	666	203	1299	396	1898	578	2352	716	-	-	-	-
T930	3000K	-	-	341	104	672	205	1316	401	1920	585	2385	726	-	-	-	-
T935	3500K	-	-	341	104	677	206	1321	402	1937	590	2396	730	-	-	-	-
T940	4000K	-	-	352	107	694	211	1349	411	1976	602	2452	747	-	-	-	-
T950	5000K	-	-	352	107	694	211	1349	411	1976	602	2452	747	-	-	-	-
T957	5700K	-	-	341	104	677	206	1321	402	1937	590	2396	730	-	-	-	-
T965	6500K	-	-	341	104	677	206	1321	402	1937	590	2396	730	-	-	-	-
	EFFICACY	147 lm/W		145 lm/W		141 lm/W		137 lm/W		135 lm/W							



# FL60E/Dx Delta- White Light

## TECHNICAL DATA

LEDs per meter	60 LEDs/m	19 LEDs/ft
Voltage	24 VDC (22.5 - 25 VDC)	
Tape width	8 mm	0.32"
Cutting step	100 mm	3.93"
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	33' or 164'

## MAXIMUM RUN

1,2 W	15 m	49'
2,4 W	10 m	32'
4,8 W	6,5 m	21'
9,6 W	3,5 m	11'

## TECHNICAL DRAWING



## LUMEN VALUES

SPECTRUM	KELVINS	POWER															
		1,2 W/m	0,4 W/ft	2,4 W/m	0,7 W/ft	4,8 W/m	1,5 W/ft	9,6 W/m	2,9 W/ft	14,4 W/m	4,4 W/ft	18,2 W/m	5,5 W/ft	33,4 W/m	10,2 W/ft	48 W/m	14,6 W/ft
822	2200K	129	39	257	78	484	148	941	287	-	-	-	-	-	-	-	-
827	2700K	146	45	292	89	551	168	1071	326	-	-	-	-	-	-	-	-
830	3000K	146	45	292	89	551	168	1071	326	-	-	-	-	-	-	-	-
835	3500K	155	47	310	94	585	178	1136	346	-	-	-	-	-	-	-	-
840	4000K	155	47	310	94	585	178	1136	346	-	-	-	-	-	-	-	-
850	5000K	164	50	327	100	618	188	1202	366	-	-	-	-	-	-	-	-
857	5700K	164	50	327	100	618	188	1202	366	-	-	-	-	-	-	-	-
865	6500K	164	50	327	100	618	188	1202	366	-	-	-	-	-	-	-	-
	EFFICACY	137 lm/W		136 lm/W		129 lm/W		125 lm/W									

SPECTRUM	KELVINS	POWER															
		1,2 W/m	0,4 W/ft	2,4 W/m	0,7 W/ft	4,8 W/m	1,5 W/ft	9,6 W/m	2,9 W/ft	14,4 W/m	4,4 W/ft	18,2 W/m	5,5 W/ft	33,4 W/m	10,2 W/ft	48 W/m	14,6 W/ft
922	2200K	99	30	197	60	395	120	768	234	-	-	-	-	-	-	-	-
T927	2700K	144	44	288	88	576	175	1122	342	-	-	-	-	-	-	-	-
T930	3000K	150	46	294	90	582	177	1140	347	-	-	-	-	-	-	-	-
T935	3500K	150	46	294	90	582	177	1146	349	-	-	-	-	-	-	-	-
T940	4000K	150	46	300	91	594	181	1170	356	-	-	-	-	-	-	-	-
T950	5000K	150	46	300	91	594	181	1170	356	-	-	-	-	-	-	-	-
T957	5700K	150	46	294	90	582	177	1146	349	-	-	-	-	-	-	-	-
T965	6500K	150	46	294	90	582	177	1146	349	-	-	-	-	-	-	-	-
	EFFICACY	125 lm/W		125 lm/W		124 lm/W		122 lm/W									

# FL112/Dx Delta - White Light



## 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

4,8 W	12,5 m	41'
9,6 W	8 m	26'
14,4 W	5,5 m	18'
19,2 W	4,5 m	15'
24 W	3,5 m	11'
33,6 W	3 m	10'

## TECHNICAL DRAWING



## LUMEN VALUES

SPECTRUM	KELVINS	POWER																	
		1,92 W/m	0,6 W/ft	2,4 W/m	0,7 W/ft	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	33,6 W/m	10,2 W/ft		
822	2200K	-	-	568	173	1111	339	1653	504	2194	669	2728	831	3698	1127	-	-		
827	2700K	-	-	647	197	1267	386	1882	574	2499	762	3102	945	4207	1282	-	-		
830	3000K	-	-	647	197	1267	386	1882	574	2499	762	3102	945	4207	1282	-	-		
835	3500K	-	-	686	209	1342	409	1997	609	2652	808	3292	1003	4457	1358	-	-		
840	4000K	-	-	686	209	1342	409	1997	609	2652	808	3292	1003	4457	1358	-	-		
850	5000K	-	-	724	221	1416	432	2108	643	2800	853	3483	1062	4716	1437	-	-		
857	5700K	-	-	724	221	1416	432	2108	643	2800	853	3483	1062	4716	1437	-	-		
865	6500K	-	-	724	221	1416	432	2108	643	2800	853	3483	1062	4716	1437	-	-		
	EFFICACY			151 lm/W		148 lm/W		146 lm/W		146 lm/W		145 lm/W		141 lm/W					

SPECTRUM	KELVINS	POWER																	
		1,92 W/m	0,6 W/ft	2,4 W/m	0,7 W/ft	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	33,6 W/m	10,2 W/ft		
922	2200K	-	-	460	140	915	279	1346	410	1772	540	2188	667	2968	905	-	-		
T927	2700K	-	-	672	205	1332	406	1971	600	2598	791	3203	975	4368	1330	-	-		
T930	3000K	-	-	683	208	1344	409	1993	607	2632	801	3248	989	4424	1347	-	-		
T935	3500K	-	-	683	208	1355	413	2004	610	2643	805	3270	996	4457	1357	-	-		
T940	4000K	-	-	705	215	1388	423	2049	624	2699	822	3337	1016	4547	1385	-	-		
T950	5000K	-	-	705	215	1388	423	2049	624	2699	822	3337	1016	4547	1385	-	-		
T957	5700K	-	-	683	208	1355	413	2004	610	2643	805	3270	996	4457	1357	-	-		
T965	6500K	-	-	683	208	1355	413	2004	610	2643	805	3270	996	4457	1357	-	-		
	EFFICACY			147 lm/W		145 lm/W		142 lm/W		141 lm/W		139 lm/W		136 lm/W					



## FL112/Dx 48V Delta - White Light

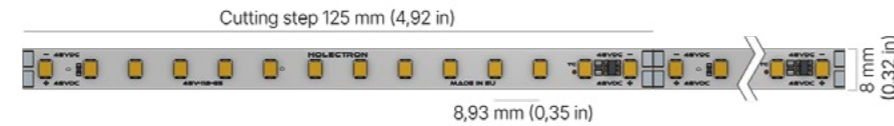
### TECHNICAL DATA

LEDs per meter	112 LEDs/m	34 LEDs/ft
Voltage	24 VDC (22.5 - 25 VDC)	
Tape width	8 mm	0.32"
Cutting step	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	33' or 164'

### MAXIMUM RUN

4,8 W	31 m	101'
9,6 W	20 m	65'
14,4 W	13,5 m	44'
19,2 W	11 m	36'
24 W	8,5 m	27'

### TECHNICAL DRAWING



### LUMEN VALUES

SPECTRUM	KELVINS	POWER															
		1,2 W/m	0,4 W/ft	2,4 W/m	0,7 W/ft	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	5,8 W/ft	24 W/m	7,3 W/ft	48 W/m	14,6 W/ft
822	2200K	-	-	-	-	568	173	1111	338	1653	503	2194	668	2728	831	-	-
827	2700K	-	-	-	-	647	197	1267	386	1882	573	2499	761	3102	945	-	-
830	3000K	-	-	-	-	647	197	1267	386	1882	573	2499	761	3102	945	-	-
835	3500K	-	-	-	-	686	209	1342	409	1997	608	2652	808	3292	1002	-	-
840	4000K	-	-	-	-	686	209	1342	409	1997	608	2652	808	3292	1002	-	-
850	5000K	-	-	-	-	724	220	1416	431	2108	642	2800	853	3483	1061	-	-
857	5700K	-	-	-	-	724	220	1416	431	2108	642	2800	853	3483	1061	-	-
865	6500K	-	-	-	-	724	220	1416	431	2108	642	2800	853	3483	1061	-	-
EFFICACY						151 lm/W		148 lm/W		146 lm/W		146 lm/W		145 lm/W			

SPECTRUM	KELVINS	POWER															
		1,2 W/m	0,4 W/ft	2,4 W/m	0,7 W/ft	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	5,8 W/ft	24 W/m	7,3 W/ft	48 W/m	14,6 W/ft
922	2200K	-	-	-	-	460	140	915	279	1346	410	1772	540	2188	666	-	-
T927	2700K	-	-	-	-	672	205	1332	406	1971	600	2598	791	3203	975	-	-
T930	3000K	-	-	-	-	683	208	1344	409	1993	607	2632	801	3248	989	-	-
T935	3500K	-	-	-	-	683	208	1355	413	2004	610	2643	805	3270	996	-	-
T940	4000K	-	-	-	-	705	215	1388	423	2049	624	2699	822	3337	1016	-	-
T950	5000K	-	-	-	-	705	215	1388	423	2049	624	2699	822	3337	1016	-	-
T957	5700K	-	-	-	-	683	208	1355	413	2004	610	2643	805	3270	996	-	-
T965	6500K	-	-	-	-	683	208	1355	413	2004	610	2643	805	3270	996	-	-
EFFICACY						147 lm/W		145 lm/W		142 lm/W		141 lm/W		139 lm/W			

## FL120E/Dx Delta - White Light



### TECHNICAL DATA

LEDs per meter	120 LEDs/m	39 LEDs/ft
Voltage	24 VDC (22.5 - 25 VDC)	
Tape width	8 mm	0.32"
Cutting step	50 mm	1.96"
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	33' or 164'

### MAXIMUM RUN

2,4 W	10,5 m	34'
4,8 W	6,5 m	21'
9,6 W	4 m	13'
14,4W	3 m	10'
19,2 W	2,5 m	8'

### TECHNICAL DRAWING



### LUMEN VALUES

SPECTRUM	KELVINS	POWER															
		1,2 W/m	0,4 W/ft	2,4 W/m	0,7 W/ft	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	5,8 W/ft	33,4 W/m	10,2 W/ft	48 W/m	14,6 W/ft
822	2200K	-	-	257	78	514	157	969	295	1427	435	1882	574	-	-	-	-
827	2700K	-	-	292	89	584	178	1103	336	1625	495	2143	653	-	-	-	-
830	3000K	-	-	292	89	584	178	1103	336	1625	495	2143	653	-	-	-	-
835	3500K	-	-	310	94	620	189	1170	357	1723	525	2273	693	-	-	-	-
840	4000K	-	-	310	94	620	189	1170	357	1723	525	2273	693	-	-	-	-
850	5000K	-	-	328	100	655	200	1237	377	1818	554	2404	733	-	-	-	-
857	5700K	-	-	328	100	655	200	1237	377	1818	554	2404	733	-	-	-	-
865	6500K	-	-	328	100	655	200	1237	377	1818	554	2404	733	-	-	-	-
EFFICACY				137 lm/W		136 lm/W		129 lm/W		126 lm/W		125 lm/W					

SPECTRUM	KELVINS	POWER															
		1,2 W/m	0,4 W/ft	2,4 W/m	0,7 W/ft	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	5,8 W/ft	33,4 W/m	10,2 W/ft	48 W/m	14,6 W/ft
922	2200K	-	-	198	60	395	120	790	241	1173	358	1535	468	-	-	-	-
T927	2700K	-	-	288	88	576	175	1152	351	1704	519	2244	683	-	-	-	-
T930	3000K	-	-	300	91	588	179	1164	354	1728	526	2280	694	-	-	-	-
T935	3500K	-	-	300	91	588	179	1164	354	1740	530	2292	698	-	-	-	-
T940	4000K	-	-	300	91	600	183	1188	362	1776	541	2340	713	-	-	-	-
T950	5000K	-	-	300	91	600	183	1188	362	1776	541	2340	713	-	-	-	-
T957	5700K	-	-	300	91	588	179	1164	354	1740	530	2292	698	-	-	-	-
T965	6500K	-	-	300	91	588	179	1164	354	1740	530	2292	698	-	-	-	-
EFFICACY				125 lm/W		125 lm/W		124 lm/W		123 lm/W		122 lm/W					

# FL128/Dx Delta - White Light

## TECHNICAL DATA

LEDs per meter	128 LEDs/m	39 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

4,8W	10 m	32'
7,2W	8 m	26'
9,6W	6,5 m	21'
14,4W	4 m	13'
19,2W	3 m	10'
24W	2 m	7'
33,6W	1 m	3'

## TECHNICAL DRAWING



## LUMEN VALUES

CRI 80+		POWER															
SPECTRUM	KELVINS	1,92 W/m	0,6 W/ft	4,8 W/m	1,5 W/ft	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	33,6 W/m	10,2 W/ft
822	2200K	-	-	694	211	1030	314	1337	407	1946	593	2540	773	3129	953	4271	1301
827	2700K	-	-	790	241	1172	357	1521	463	2214	674	2890	880	3561	1084	4861	1480
830	3000K	-	-	790	241	1172	357	1521	463	2214	674	2890	880	3561	1084	4861	1480
835	3500K	-	-	838	255	1243	378	1613	491	2348	715	3066	934	3777	1150	5155	1570
840	4000K	-	-	838	255	1243	378	1613	491	2348	715	3066	934	3777	1150	5155	1570
850	5000K	-	-	886	270	1314	400	1706	519	2482	756	3247	989	3992	1216	5450	1660
857	5700K	-	-	886	270	1314	400	1706	519	2482	756	3247	989	3992	1216	5450	1660
865	6500K	-	-	886	270	1314	400	1706	519	2482	756	3247	989	3992	1216	5450	1660
	EFFICACY			185 lm/W		183 lm/W		178 lm/W		172 lm/W		169 lm/W		166 lm/W		163 lm/W	

CRI 90+		POWER															
SPECTRUM	KELVINS	1,92 W/m	0,6 W/ft	4,8 W/m	1,5 W/ft	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	33,6 W/m	10,2 W/ft
922	2200K	-	-	544	166	804	245	1063	324	1557	474	2034	619	2507	763	3364	1024
T927	2700K	-	-	768	234	1152	351	1523	464	2252	686	2969	904	3660	1114	4992	1520
T930	3000K	-	-	780	238	1164	354	1536	468	2278	694	3008	916	3712	1130	5056	1540
T935	3500K	-	-	780	238	1164	354	1548	471	2291	698	3020	920	3737	1138	5094	1551
T940	4000K	-	-	806	245	1190	362	1587	483	2342	713	3084	939	3814	1161	5196	1582
T950	5000K	-	-	806	245	1190	362	1587	483	2342	713	3084	939	3814	1161	5196	1582
T957	5700K	-	-	780	238	1164	354	1548	471	2291	698	3020	920	3737	1138	5094	1551
T965	6500K	-	-	780	238	1164	354	1548	471	2291	698	3020	920	3737	1138	5094	1551
	EFFICACY			168 lm/W		165 lm/W		165 lm/W		163 lm/W		161 lm/W		159 lm/W		156 lm/W	

# FL175/Dx Delta - White Light



## TECHNICAL DATA

LEDs per meter	175 LEDs/m	53 LEDs/ft
Voltage	24 VDC (22.5 - 25 VDC)	
Tape width	5 mm	0.2"
Cutting step	40 mm	1.57"
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

4,8 W	3,52 m	12'
9,6 W	2 m	7'
14,4 W	1 m	3'
19,2 W	1 m	3'

## TECHNICAL DRAWING



## LUMEN VALUES

CRI 80+		POWER															
SPECTRUM	KELVINS	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
822	2200K	574	175	1125	343	1668	508	2212	674	-	-	-	-	-	-	-	-
827	2700K	653	199	1280	390	1896	578	2514	766	-	-	-	-	-	-	-	-
830	3000K	653	199	1280	390	1896	578	2514	766	-	-	-	-	-	-	-	-
835	3500K	692	211	1358	414	2011	613	2667	813	-	-	-	-	-	-	-	-
840	4000K	692	211	1358	414	2011	613	2667	813	-	-	-	-	-	-	-	-
850	5000K	732	223	1436	438	2126	648	2821	860	-	-	-	-	-	-	-	-
857	5700K	732	223	1436	438	2126	648	2821	860	-	-	-	-	-	-	-	-
865	6500K	732	223	1436	438	2126	648	2821	860	-	-	-	-	-	-	-	-
	EFFICACY	153 lm/W		150 lm/W		148 lm/W		147 lm/W									

CRI 90+		POWER															
SPECTRUM	KELVINS	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
922	2200K	461	141	923	281	1375	419	1815	553	-	-	-	-	-	-	-	-
T927	2700K	682	208	1347	410	1995	607	2642	804	-	-	-	-	-	-	-	-
T930	3000K	682	208	1365	416	2030	618	2677	815	-	-	-	-	-	-	-	-
T935	3500K	700	213	1365	416	2030	618	2695	821	-	-	-	-	-	-	-	-
T940	4000K	700	213	1400	426	2082	634	2747	836	-	-	-	-	-	-	-	-
T950	5000K	700	213	1400	426	2082	634	2747	836	-	-	-	-	-	-	-	-
T957	5700K	700	213	1365	416	2030	618	2695	821	-	-	-	-	-	-	-	-
T965	6500K	700	213	1365	416	2030	618	2695	821	-	-	-	-	-	-	-	-
	EFFICACY	146 lm/W		146 lm/W		145 lm/W		143 lm/W									

# TUNABLE WHITE LIGHT

## TW56/Nx Nichia - Tunable White Light



### TECHNICAL DATA

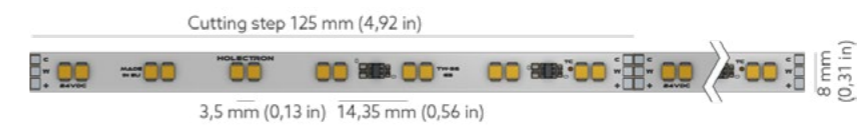
LEDs per meter	56 warm + 56 cold LEDs/m	17 warm + 17 cold LEDs/ft
Voltage	24 VDC (22.5 - 25 VDC)	
Tape width	10 mm	0.39"
Cutting step	125 mm	4.92"
Tc temperature	<75° C	<167° F
Operating temperature	-25°C...+50°C	-13°F...122°F
Beam angle	120°	
Dimmable	YES	
Strip length per reel	10 m or 50 m	32' or 164'

### MAXIMUM RUN

9,6 W	8 m	26'
19,2 W	4,5 m	15'
33,4 W	3 m	10'



### TECHNICAL DRAWING



### 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
SPECTRUM	KELVINS	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	1255	382	-	-	2491	759	-	-	-	-	4219	1285
825/857	2500-5700K	1347	410	-	-	2677	815	-	-	-	-	4534	1381
827/857	2700-5700K	1448	441	-	-	2880	877	-	-	-	-	4877	1485
827/850	2700-5000K	1475	449	-	-	2934	893	-	-	-	-	4969	1513
827/865	2700-6500K	1448	441	-	-	2880	877	-	-	-	-	4877	1485
EFFICACY		158 lm/W				157 lm/W				153 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
SPECTRUM	KELVINS	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/T965	2000-6500K	1084	330	-	-	2124	647	-	-	-	-	3565	1086
925/T957	2500-5700K	1161	354	-	-	2275	693	-	-	-	-	3817	1162
T927/T950	2700-5000K	1272	387	-	-	2498	761	-	-	-	-	4194	1277
EFFICACY		146 lm/W				146 lm/W				141 lm/W			





# TW70/Nx Nichia - Tunable White Light

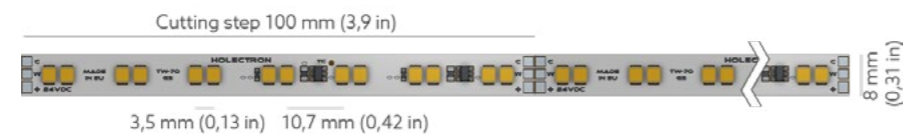
## TECHNICAL DATA

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

9,6 W	9 m	29'
19,2 W	5,5 m	18'
33,6 W	3 m	10'
45,6 W	2 m	7'

## TECHNICAL DRAWING



## LUMEN VALUES

		POWER													
CRI 80+		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	45,6 W/m	14,6 W/ft
SPECTRUM	KELVINS	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	1254	382	-	-	2503	762	-	-	-	-	4301	1310	5723	1743
825/857	2500-5700K	1346	410	-	-	2690	819	-	-	-	-	4623	1408	6150	1873
827/857	2700-5700K	1446	440	-	-	2893	881	-	-	-	-	4974	1515	6615	2014
827/850	2700-5000K	1473	449	-	-	2947	897	-	-	-	-	5067	1543	6739	2052
827/865	2700-6500K	1446	440	-	-	2893	881	-	-	-	-	4974	1515	6615	2014
	EFFICACY	158 lm/W		158 lm/W		158 lm/W		158 lm/W		158 lm/W		158 lm/W		158 lm/W	

		POWER													
CRI 90+		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	45,6 W/m	14,6 W/ft
SPECTRUM	KELVINS	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/T965	2000-6500K	1231	375	-	-	2433	741	-	-	-	-	4158	1266	5529	1684
925/T957	2500-5700K	1239	377	-	-	2455	748	-	-	-	-	4185	1274	5539	1687
T927/T950	2700-5000K	1274	388	-	-	2519	767	-	-	-	-	4289	1306	5680	1730
	EFFICACY	146 lm/W		146 lm/W		146 lm/W		146 lm/W		146 lm/W		146 lm/W		146 lm/W	

# TW56/Dx Delta - Tunable White Light



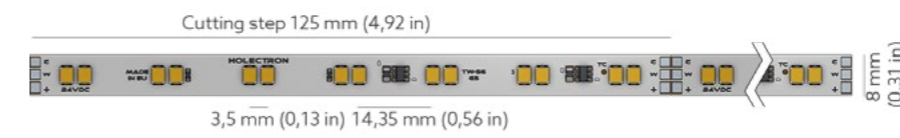
## TECHNICAL DATA

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

9,6 W	6,5 m	25'
19,2 W	3,5 m	13'
33,4 W	2,5 m	9'

## TECHNICAL DRAWING



## LUMEN VALUES

		POWER													
CRI 80+		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	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	1271	387	-	-	2488	758	-	-	-	-	3239	986	-	-
827/850	2700-5700K	1348	410	-	-	2637	803	-	-	-	-	4457	1357	-	-
827/857	2700-5700K	1348	410	-	-	2637	803	-	-	-	-	4457	1357	-	-
827/865	2700-6500K	1348	410	-	-	2637	803	-	-	-	-	4457	1357	-	-
	EFFICACY	148 lm/W		148 lm/W		148 lm/W		148 lm/W		148 lm/W		148 lm/W		148 lm/W	

		POWER													
CRI 90+tri		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	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
T927/T940	2700-4000K	1153	351	-	-	2229	679	-	-	-	-	3713	1131	-	-
T927/T950	2700-5700K	1221	372	-	-	2359	718	-	-	-	-	3933	1198	-	-
T927/T957	2700-5700K	1187	361	-	-	2293	698	-	-	-	-	3827	1165	-	-
T927/T965	2700-6500K	1221	372	-	-	2359	718	-	-	-	-	3933	1198	-	-
	EFFICACY	143 lm/W		143 lm/W		143 lm/W		143 lm/W		143 lm/W		143 lm/W		143 lm/W	



# TW70/Dx Delta - Tunable White Light

## 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

9,6 W	8 m	31'
19,2 W	4,5 m	17'
33,6 W	2,5 m	9'
45,6 W	1,5 m	6'

## TECHNICAL DRAWING



## LUMEN VALUES

		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	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	1270	387	-	-	2506	763	-	-	-	-	3592	1094	5675	1728
827/850	2700-5700K	1347	410	-	-	2659	810	-	-	-	-	4551	1386	6018	1832
827/857	2700-5700K	1347	410	-	-	2659	810	-	-	-	-	4551	1386	6018	1832
827/865	2700-6500K	1347	410	-	-	2659	810	-	-	-	-	4551	1386	6018	1832
	EFFICACY	148 lm/W		148 lm/W		146 lm/W		146 lm/W		143 lm/W		143 lm/W		140 lm/W	

		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	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
T927/T940	2700-4000K	1160	353	-	-	2256	687	-	-	-	-	3818	1163	5020	1529
T927/T950	2700-5700K	1228	374	-	-	2387	727	-	-	-	-	4042	1231	5318	1619
T927/T957	2700-5700K	1194	364	-	-	2321	707	-	-	-	-	3929	1196	5168	1574
T927/T965	2700-6500K	1228	374	-	-	2387	727	-	-	-	-	4042	1231	5318	1619
	EFFICACY	143 lm/W		143 lm/W		141 lm/W		141 lm/W		137 lm/W		137 lm/W		133 lm/W	

# TW2-112/Nx - Tunable Dual White Light



## 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	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

9W	10,5 m	34'
19W	7 m	23'
33W	4,5 m	15'
48W	3,5 m	11'

## TECHNICAL DRAWING



## LUMEN VALUES

		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	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	1343	409	-	-	2665	812	-	-	-	-	4524	1379	6462	1970
	EFFICACY	140 lm/W		140 lm/W		139 lm/W		139 lm/W		135 lm/W		135 lm/W		135 lm/W	

# RGB & RGBW LIGHT

## RGB48/Nx Nichia - RGB Light



### 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

7,2 W	9 m	29'
11,52 W	6,5 m	21'



### TECHNICAL DRAWING



### LUMEN VALUES

RGB	POWER													
	7,2 W/m	2,2 W/ft	11,52 W/m	3,5 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	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	65	20	104	32	-	-	-	-	-	-	-	-	-	-
GREEN	208	63	307	93	-	-	-	-	-	-	-	-	-	-
BLUE	43	13	69	21	-	-	-	-	-	-	-	-	-	-
TOTAL RGB LUMINOUS FLUX	316	96	480	146	-	-	-	-	-	-	-	-	-	-
	EFFICACY 44 lm/W		42 lm/W											



# RGB96/Nx Nichia - RGB Light

## 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

11,52 W	9,5 m	31'
14,4 W	8 m	26'
23 W	5,5 m	18'

## TECHNICAL DRAWING



## LUMEN VALUES

RGB	POWER													
	11,52 W/m	3,5 W/ft	14,4 W/m	4,4 W/ft	17,3 W/m	5,3 W/ft	23 W/m	7 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	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	104	32	130	40	-	209	64	-	-	-	-	-	-	-
GREEN	306	93	383	117	-	614	187	-	-	-	-	-	-	-
BLUE	69	21	87	26	-	139	42	-	-	-	-	-	-	-
TOTAL RGB LUMINOUS FLUX	479	146	600	183	-	962	293	-	-	-	-	-	-	-
EFFICACY	42 lm/W		42 lm/W		42 lm/W									

# RGBW48/Nx Nichia -RGBW Light



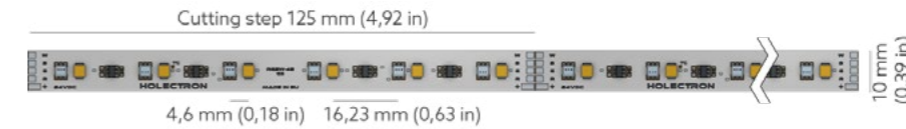
## TECHNICAL DATA

LEDs per meter	48 RGB + 48 white LEDs/m	15 RGB + 15 white LEDs/ft
Voltage	24 VDC (22.5 - 25 VDC)	
Tape width	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

9,6 W	8 m	26'
14,4 W	7 m	23'
19,2 W	5,5 m	18'
24 W	5 m	16'

## TECHNICAL DRAWING



## 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	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	-	-	210	64	319	97	693	211	1116	340	-	-	-	-	-	-
822	2200K	-	-	227	69	345	105	750	228	1208	368	-	-	-	-	-	-
825	2500K	-	-	249	76	378	115	821	250	1322	403	-	-	-	-	-	-
827	2700K	-	-	291	89	442	135	960	292	1546	471	-	-	-	-	-	-
830	3000K	-	-	300	91	455	139	989	301	1592	485	-	-	-	-	-	-
835	3500K	-	-	306	93	466	142	1012	308	1629	496	-	-	-	-	-	-
840	4000K	-	-	307	93	467	142	1014	309	1633	497	-	-	-	-	-	-
850	5000K	-	-	338	103	505	154	1060	323	1692	515	-	-	-	-	-	-
857	5700K	-	-	326	99	487	148	1023	312	1633	497	-	-	-	-	-	-
865	6500K	-	-	326	99	487	148	1023	312	1633	497	-	-	-	-	-	-
EFFICACY				141 lm/W		140 lm/W		138 lm/W		136 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	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	-	-	182	55	271	83	567	173	898	273	-	-	-	-	-	-
922	2200K	-	-	197	60	294	90	613	187	971	296	-	-	-	-	-	-
925	2500K	-	-	213	65	318	97	665	202	1053	321	-	-	-	-	-	-
T927	2700K	-	-	300	91	448	136	942	287	1504	458	-	-	-	-	-	-
T930	3000K	-	-	315	96	471	143	990	301	1580	481	-	-	-	-	-	-
T935	3500K	-	-	323	98	483	147	1015	309	1621	494	-	-	-	-	-	-
T940	4000K	-	-	328	100	490	149	1029	313	1643	500	-	-	-	-	-	-
T950	5000K	-	-	329	100	491	150	1035	315	1654	504	-	-	-	-	-	-
T957	5700K	-	-	317	97	474	144	998	304	1595	486	-	-	-	-	-	-
T965	6500K	-	-	317	97	474	144	998	304	1595	486	-	-	-	-	-	-
EFFICACY				137 lm/W		136 lm/W		135 lm/W		133 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	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	-	-	210	64	314	96	658	200	1042	317	-	-	-	-	-	-
030	3000K	-	-	215	65	321	98	672	205	1065	324	-	-	-	-	-	-
035	3500K	-	-	219	67	328	100	687	209	1088	331	-	-	-	-	-	-
040	4000K	-	-	222	68	332	101	695	212	1102	336	-	-	-	-	-	-
050	5000K	-	-	237	72	355	108	746	227	1185	361	-	-	-	-	-	-
EFFICACY				99 lm/W		99 lm/W		97 lm/W		95 lm/W							



# RGBW48/Dx Delta -RGBW Light

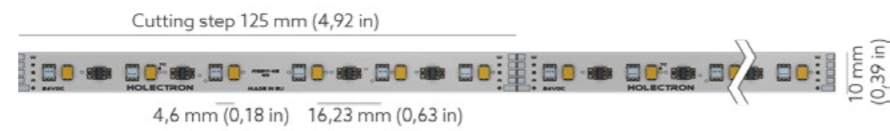
## TECHNICAL DATA

LEDs per meter	48 RGB + 48 white LEDs/m	15 RGB + 15 white LEDs/ft
Voltage	24 VDC (22.5 - 25 VDC)	
Tape width	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

9,6 W	8 m	26'
14,4 W	7 m	22'
19,2 W	5,5 m	18'
24 W	5 m	16'

## TECHNICAL DRAWING



## LUMEN VALUES

### CRI 80+

SPECTRUM	KELVINS	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
827	2700K	-	270	82	401	122	854	260	1327	404	-	-	-	-	-	-	-
830	3000K	-	283	86	419	128	888	270	1376	419	-	-	-	-	-	-	-
835	3500K	-	292	89	433	132	918	280	1424	434	-	-	-	-	-	-	-
840	4000K	-	289	88	432	132	926	282	1444	440	-	-	-	-	-	-	-
850	5000K	-	298	91	441	134	933	284	1446	440	-	-	-	-	-	-	-
857	5700K	-	294	90	436	133	926	282	1438	438	-	-	-	-	-	-	-
865	6500K	-	287	87	428	130	917	279	1431	436	-	-	-	-	-	-	-
EFFICACY			124 lm/W		123 lm/W		121 lm/W		116 lm/W								

### CRI 90+tri

SPECTRUM	KELVINS	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
T927	2700K	-	288	88	432	132	897	273	1425	434	-	-	-	-	-	-	-
T930	3000K	-	292	89	436	133	912	278	1444	440	-	-	-	-	-	-	-
T935	3500K	-	292	89	436	133	916	279	1454	443	-	-	-	-	-	-	-
T940	4000K	-	302	92	446	136	936	285	1483	452	-	-	-	-	-	-	-
T950	5000K	-	302	92	446	136	936	285	1483	452	-	-	-	-	-	-	-
T957	5700K	-	292	89	436	133	916	279	1454	443	-	-	-	-	-	-	-
T965	6500K	-	292	89	436	133	916	279	1454	443	-	-	-	-	-	-	-
EFFICACY			126 lm/W		124 Lm/W		122 lm/W		119 lm/W								

# ACCESSORIES



## CONNECTORS

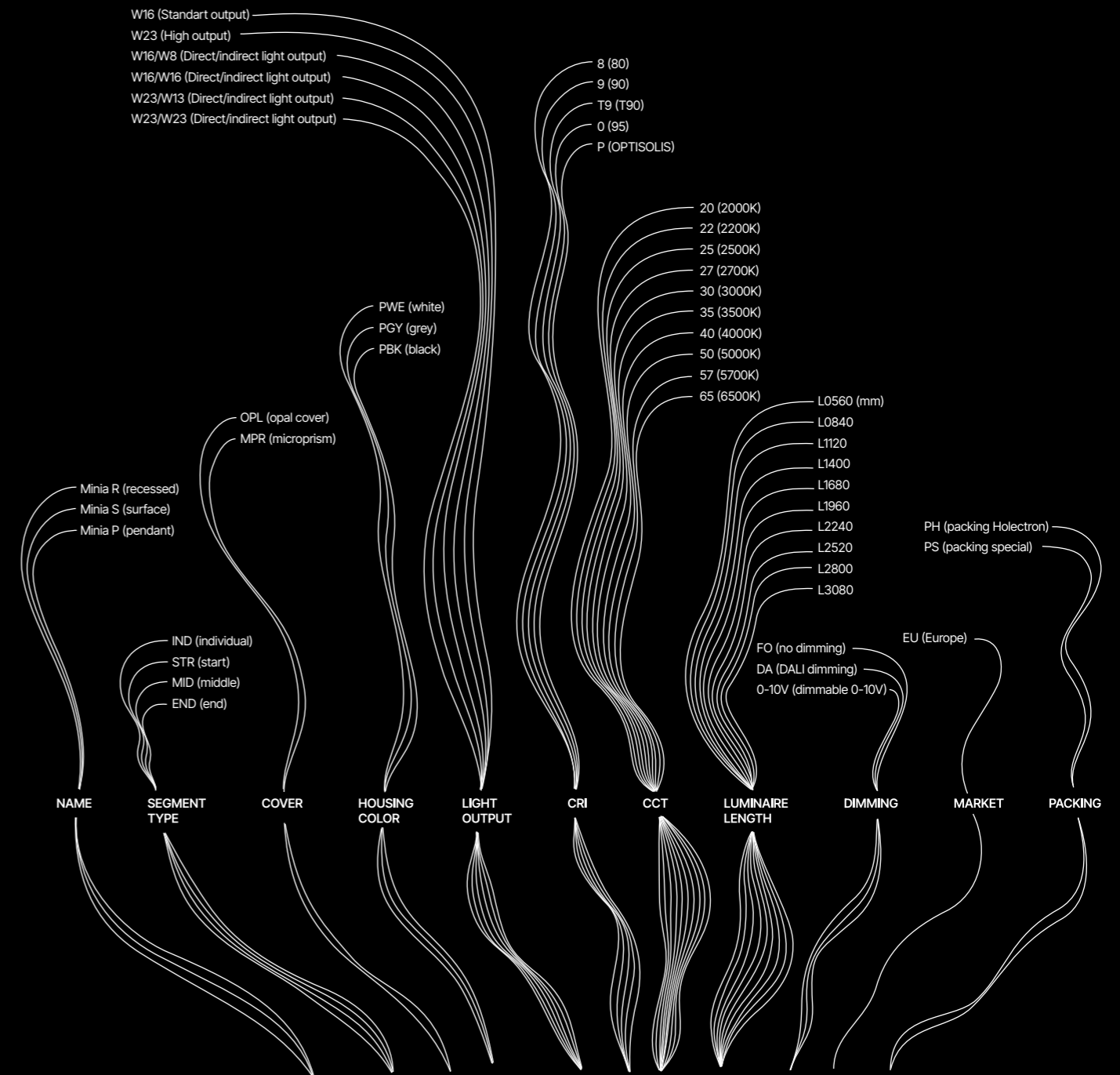
CON-ON-FL0-2	2pin, transparent, indoor
CON-ON-FL1-2	2pin, non-transparent, indoor
CON-ON-FL2-2	2pin + wire, indoor
CON-ON-FL3-2	2pin wire extended, indoor



## WIRING

WIR.IR.WE2x20.00003	2 core Holecron cable
WIR.IR.WE3x20.00002	3 core Holecron cable
WIR.IR.WE4x20.00002	4 core Holecron cable
WIR.IR.WE5x20.00002	5 core Holecron cable

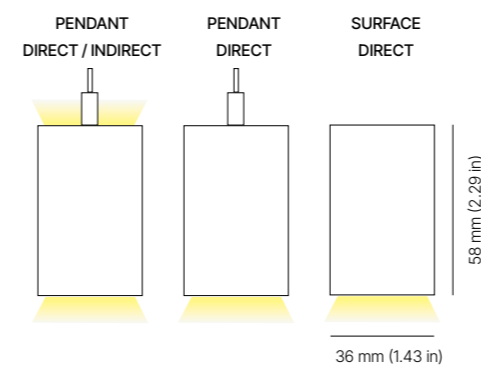
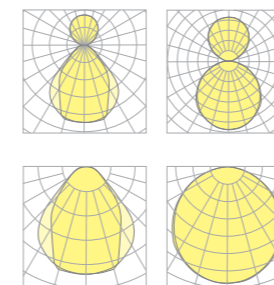
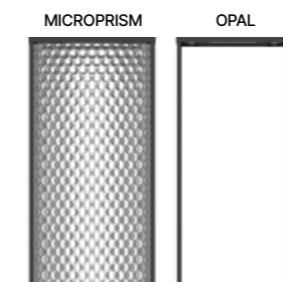
# MINIA MICROPRISM & OPAL



**Minia S IND OPL PWE W16 822 L1960 FO EU / PH**

ORDER CODE EXAMPLE

# Minia Pendant & Surface



## TECHNICAL DETAILS

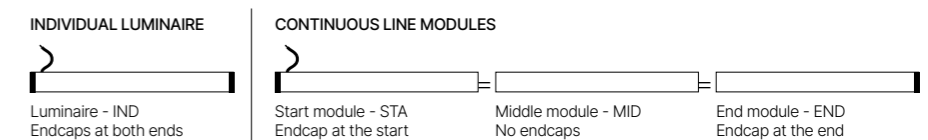
Housing	Powder coated extruded aluminum	
LEDs	Nichia 3-step MacAdam	
LED lumen maintenance	L90B10 > 60.000 h	
Electrical	220 -240 VAC, Integrated driver	
	110-277 VAC, Integrated driver ( for 0-10V)	
Suspension rope (for pendant)	Silver coloured, lenght - 2 m	6.56'
Lead cable (for pendant)	Transparent, lenght - 2 m	6.56'



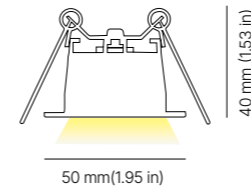
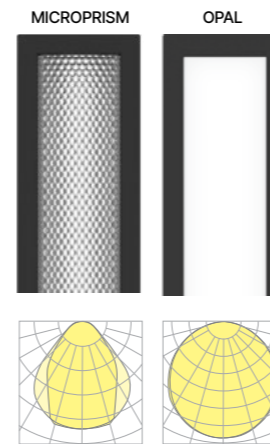
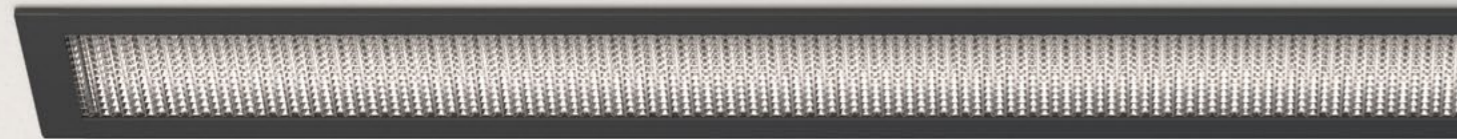
## SELECTABLE FEATURES

Light diffuser	Microprism, Opal
Housing color	● Black, ○ White, ● Grey, ● Custom
CRI	Ra80+, Ra90+, Ra95+
CCT	2700K, 3000K, 3500K, 4000K, 2700-6500K (tunable white)
Light output (Direct / Indirect)	W16/W8 - Standart output (~24W/m 7.2W/ft)
	W23/W12- High output (~35W/m 10.5W/ft)
Light output (Direct Only)	W16 - Standart output (~16W/m 5W/ft)
	W23- High output (~23W/m 7W/ft)
Efficacy	Microprism 109-112 Lm/W, Opal 105-110 Lm/W
Length, mm, ft	L560, L840, L1120, L1400, L1680, L1960, L2240, L2520, L2800, L3080
	1.8ft, 2.8ft, 3.7ft, 4.6ft, 5.5ft, 6.4ft, 7.3ft, 8.3ft, 9.2ft, 10.1ft
Control	Fixed output, DALI, PushDim, 0-10V

## SEGMENT TYPE



# Minia Recessed



## TECHNICAL DETAILS

Housing	Powder coated extruded aluminum
LEDs	Nichia 3-step MacAdam
LED lumen maintenance	L90B10 > 60.000 h
Electrical	220 -240 VAC, Driver included 110-277 VAC, Driver included

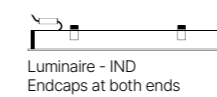


## SELECTABLE FEATURES

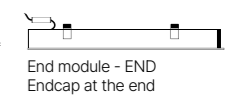
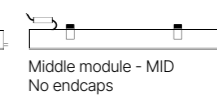
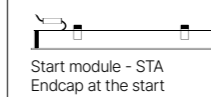
Light diffuser	Microprism, Opal
Housing color	● Black, ○ White, ● Grey, ● Custom
CRI	Ra80+, Ra90+, Ra95+
CCT	2700K, 3000K, 3500K, 4000K, 2700-6500K (tunable white)
Light output	W16 - Standart output (~16W/m 5W/ft) W23- High output (~23W/m 7W/ft)
Efficacy	Microprism 109-112 Lm/W, Opal 105-110 Lm/W
Length, mm, ft	L560, L840, L1120, L1400, L1680, L1960, L2240, L2520, L2800, L3080 1.8ft, 2.8ft, 3.7ft, 4.6ft, 5.5ft, 6.4ft, 7.3ft, 8.3ft, 9.2ft, 10.1ft
Control	Fixed output, DALI, PushDim, 0-10V

## SEGMENT TYPE

### INDIVIDUAL LUMINAIRE

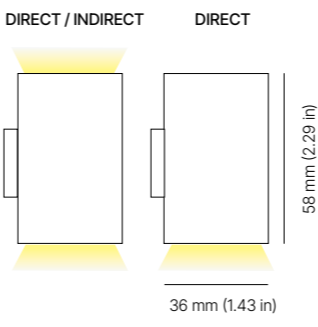
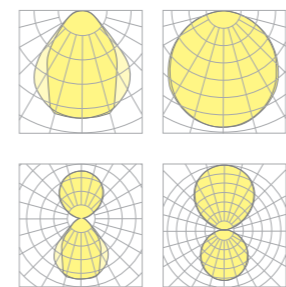
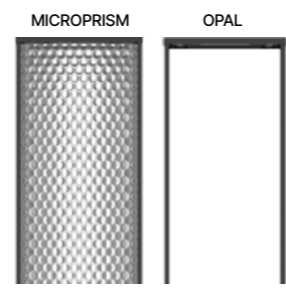


### CONTINUOUS LINE MODULES





# Minia Wall



## TECHNICAL DETAILS

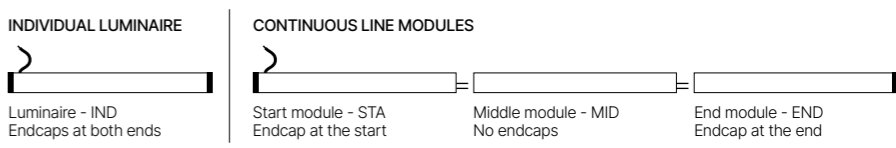
Housing	Powder coated extruded aluminum
LEDs	Nichia 3-step MacAdam
LED lumen maintenance	L90B10 > 60.000 h
Electrical	220 -240 VAC, Integrated driver 110-277 VAC, Integrated driver ( for 0-10V)



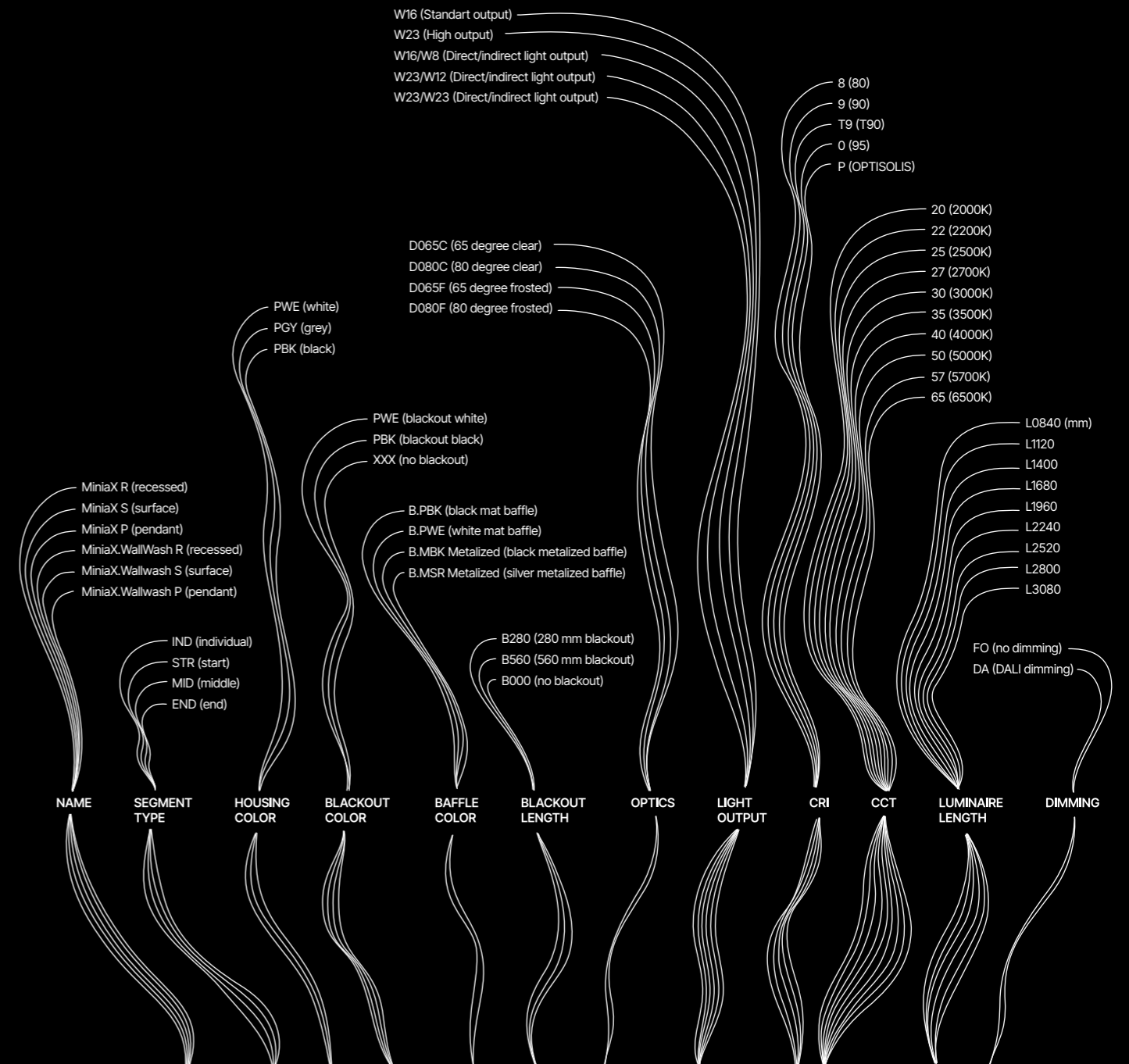
## SELECTABLE FEATURES

Light diffuser	Microprism, Opal
Housing color	● Black, ○ White, ● Grey, ● Custom
CRI	Ra80+, Ra90+, Ra95+
CCT	2700K, 3000K, 3500K, 4000K, 2700-6500K (tunable white)
Light output (Direct / Indirect)	W16/W16 - Standart output (~32W/m 9.7W/ft)
Light output (Direct Only)	W16 - Standart output (~16W/m 5W/ft)
Efficacy	Microprism 109-112 Lm/W, Opal 105-110 Lm/W
Length, mm, ft	L560, L840, L1120, L1400, L1680, L1960, L2240, L2520, L2800, L3080 1.8ft, 2.8ft, 3.7ft, 4.6ft, 5.5ft, 6.4ft, 7.3ft, 8.3ft, 9.2ft, 10.1ft
Control	Fixed output, DALI, PushDim, 0-10V

## SEGMENT TYPE



# MiniaX



**MiniaX P IND PWE.PWE B.PWE B560 D080C W23/W23 950/P30 L1960 DA**

**ORDER CODE EXAMPLE**

# Color combinations

MiniaX luminaires housings come in standard white, black or grey colors which can be combined to various baffle colors. However, this MiniaX luminaire can be customized to any RAL color.



Black body, white blackout, white mat baffles



Grey body, white blackout, white mat baffles



White body, white blackout, white mat baffles



White body, white blackout, black mat baffles



Black body, black blackout, silver metalized baffles



Grey body, grey blackout, silver metalized baffles



White body, white blackout, silver metalized baffles



White body, white blackout, black metalized baffles



Black body, black blackout, black mat baffles



Grey body, black blackout, black mat baffles



White body, black blackout, black mat baffles



Custom color on request



Black body, black blackout, black metalized baffles



Grey body, black blackout, black metalized baffles

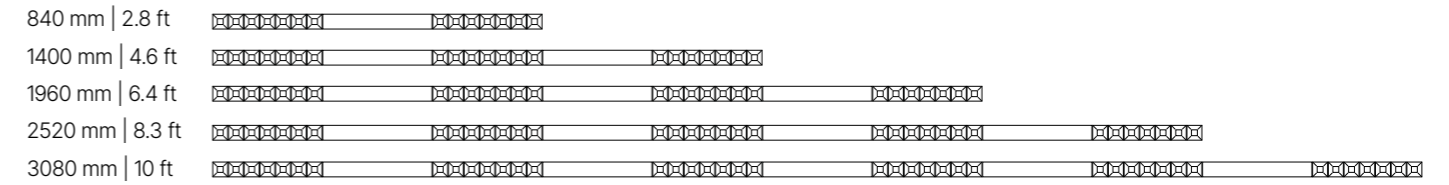


White body, black blackout, black metalized baffles

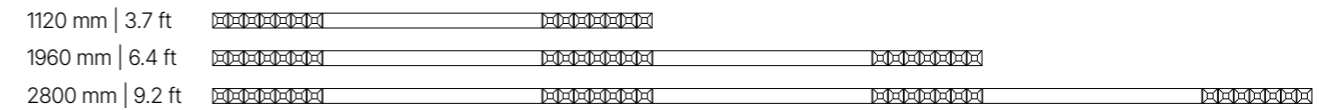
# Lengths

## LENGTHS OF INDIVIDUAL SEGMENT

With 280 mm blackout

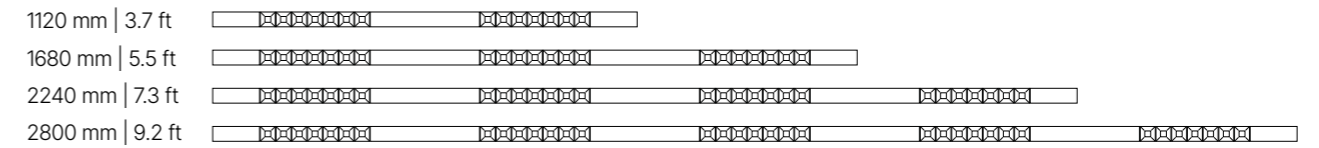


With 560 mm blackout

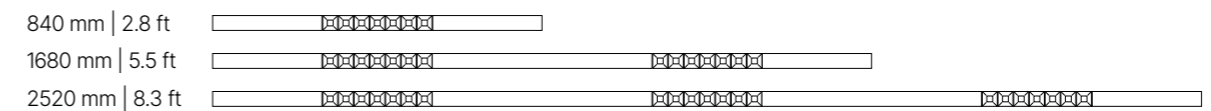


## LENGTHS OF CONTINUOUS LINE SEGMENTS

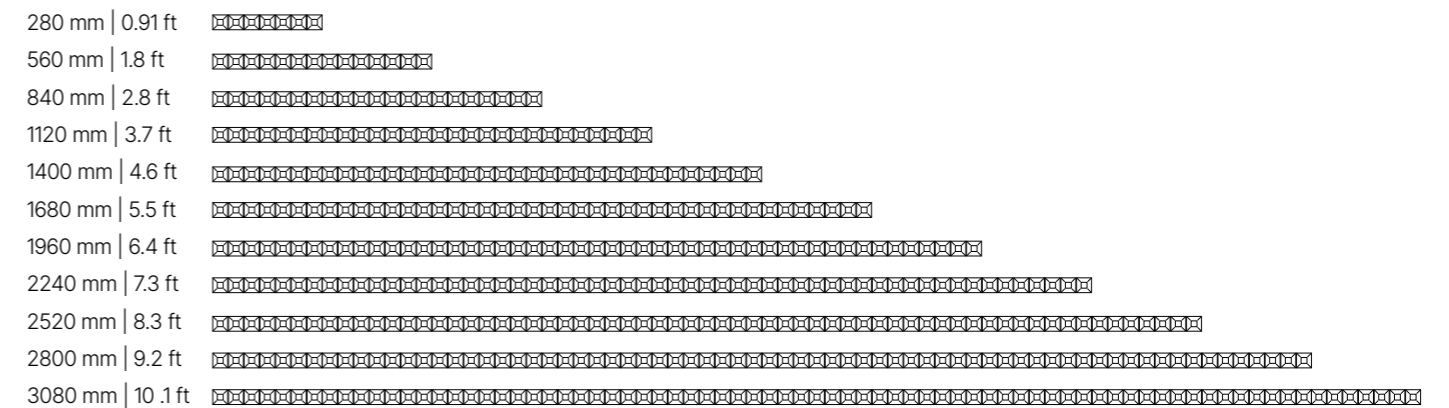
With 280 mm blackout



With 560 mm blackout



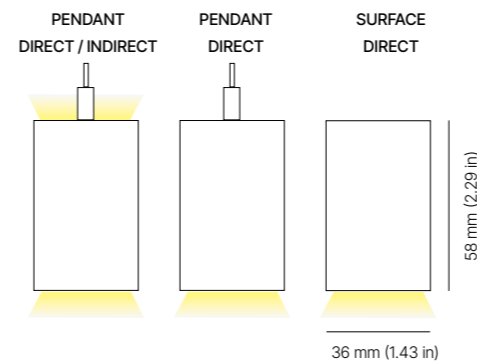
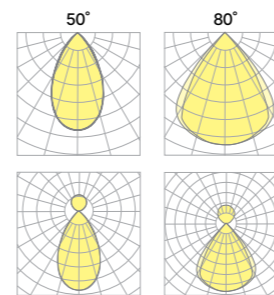
## FOR INDIVIDUAL AND CONTINUOUS LINE MODULES (NO BLACKOUT)



# MiniaX Pendant & Surface



## BAFFLE



## TECHNICAL DETAILS

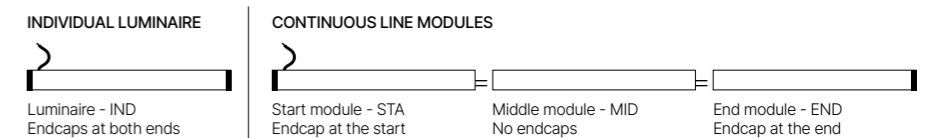
Housing	Powder coated extruded aluminum	
LEDs	Nichia 3-step MacAdam	
LED lumen maintenance	L90B10 > 60.000 h	
Electrical	220 -240 VAC, Integrated driver	
	110-277 VAC, Integrated driver ( for 0-10V)	
Suspension rope (for pendant)	Silver coloured, lenght - 2 m	6.56'
Lead cable (for pendant)	Transparent, lenght - 2 m	6.56'



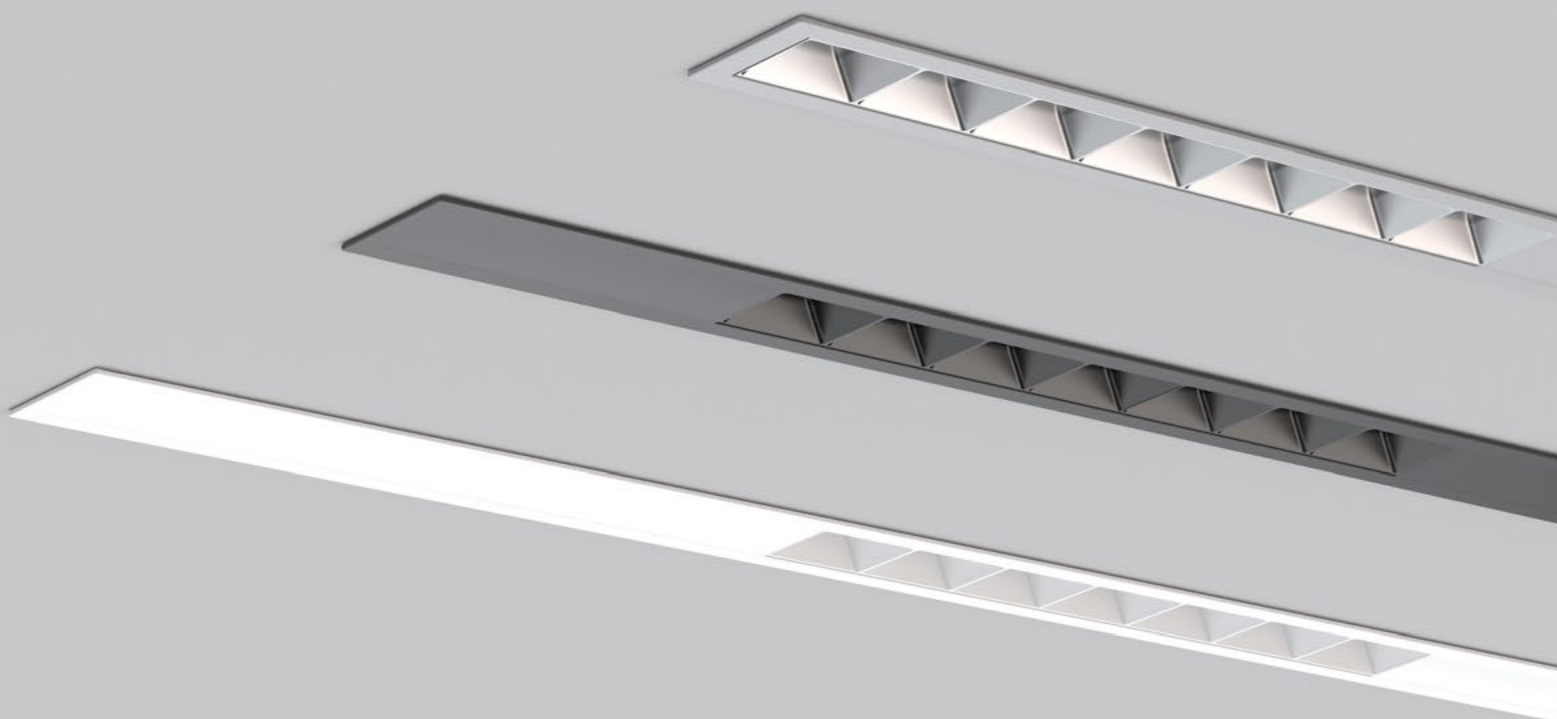
## SELECTABLE FEATURES

Light diffuser	Shades
Housing color	● Black, ○ White, ● Grey, ● Custom
Baffle color	● Black, ○ White, ● Black Metalized, ● Silver Metalized
CRI	Ra80+, Ra90+, Ra95+
CCT	2700K, 3000K, 3500K, 4000K, 2700-6500K (tunable white)
Light output (Direct / Indirect)	W16/W8 - Standart output (~24W/m 7.2W/ft)
	W23/W12- High output (~35W/m 10.5W/ft)
Light output (Direct Only)	W16 - Standart output (~16W/m 5W/ft)
	W23- High output (~23W/m 7W/ft)
Efficacy	Up to 146 lm/W luminaire
Length, mm, ft	L280, L560, L840, L1120, L1400, L1680, L1960, L2240, L2520, L2800, L3080
	0.9ft, 1.8ft, 2.8ft, 3.7ft, 4.6ft, 5.5ft, 6.4ft, 7.3ft, 8.3ft, 9.2ft, 10.1ft
Control	Fixed output, DALI, PushDim, 0-10V

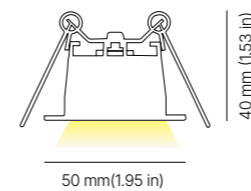
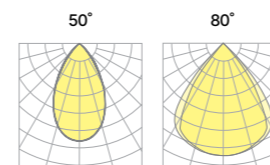
## SEGMENT TYPE



# MiniaX Recessed



BAFFLE



## TECHNICAL DETAILS

Housing	Powder coated extruded aluminum
LEDs	Nichia 3-step MacAdam
LED lumen maintenance	L90B10 > 60.000 h
Electrical	220 -240 VAC, Driver included 110-277 VAC, Driver included

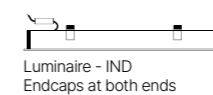


## SELECTABLE FEATURES

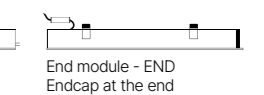
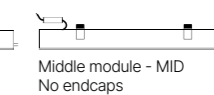
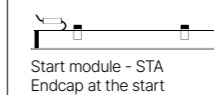
Light diffuser	Shades
Housing color	● Black, ○ White, ● Grey, ● Custom
Baffle color	● Black, ○ White, ● Black Metalized, ● Silver Metalized
CRI	Ra80+, Ra90+, Ra95+
CCT	2700K, 3000K, 3500K, 4000K, 2700-6500K (tunable white)
Light output	W16 - Standart output (~16W/m 5W/ft) W23- High output (~23W/m 7W/ft)
Efficacy	Up to 146 Lm/W luminaire
Length, mm, ft	L280, L560, L840, L1120, L1400, L1680, L1960, L2240, L2520, L2800, L3080 0.9ft, 1.8ft, 2.8ft, 3.7ft, 4.6ft, 5.5ft, 6.4ft, 7.3ft, 8.3ft, 9.2ft, 10.1ft
Control	Fixed output, DALI, PushDim, 0-10V

## SEGMENT TYPE

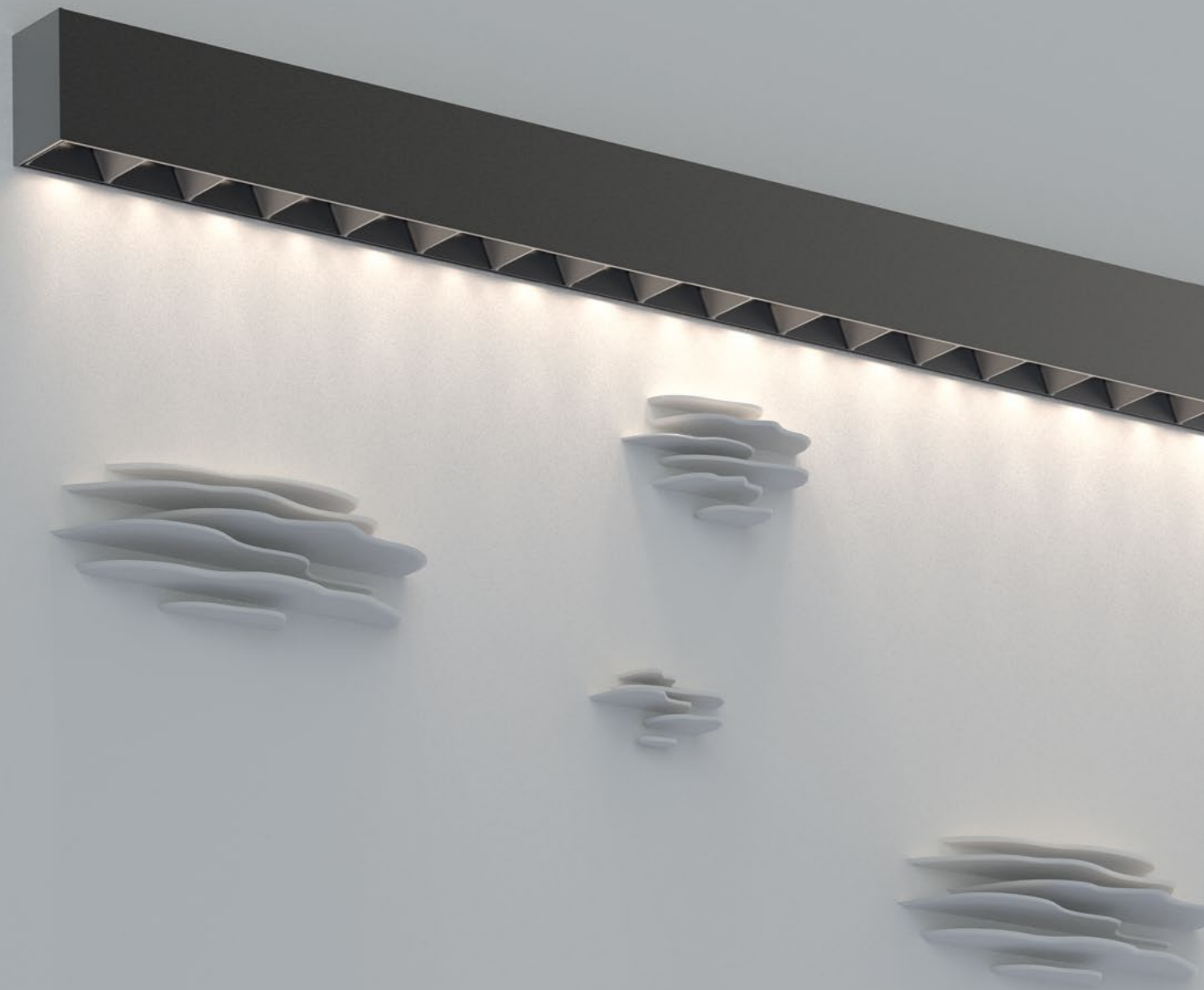
### INDIVIDUAL LUMINAIRE



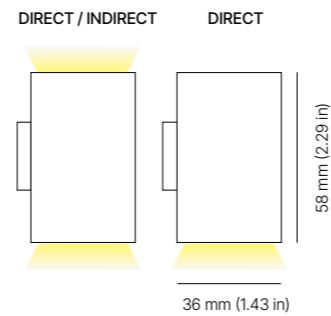
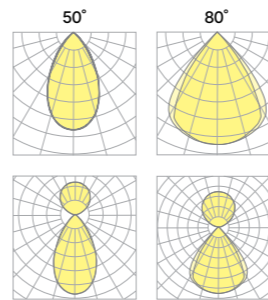
### CONTINUOUS LINE MODULES



# MiniaX Wall



BAFFLE



## TECHNICAL DETAILS

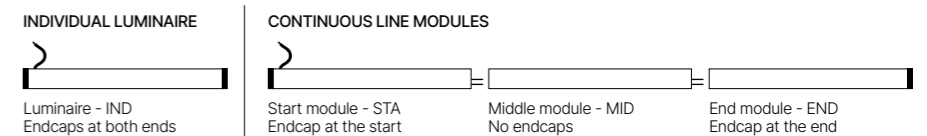
Housing	Powder coated extruded aluminum
LEDs	Nichia 3-step MacAdam
LED lumen maintenance	L90B10 > 60.000 h
Electrical	220 -240 VAC, Integrated driver 110-277 VAC, Integrated driver ( for 0-10V)



## SELECTABLE FEATURES

Light diffuser	Shades
Housing color	● Black, ○ White, ● Grey, ● Custom
Baffle color	● Black, ○ White, ● Black Metalized, ● Silver Metalized
CRI	Ra80+, Ra90+, Ra95+
CCT	2700K, 3000K, 3500K, 4000K, 2700-6500K (tunable white)
Light output (Direct / Indirect)	W16/W16 - Standart output (~32W/m 9.7W/ft)
Light output (Direct Only)	W16 - Standart output (~16W/m 5W/ft)
Efficacy	Up to 157 Lm/W luminaire
Length, mm, ft	L280, L560, L840, L1120, L1400, L1680, L1960, L2240, L2520, L2800, L3080 0.9ft, 1.8ft, 2.8ft, 3.7ft, 4.6ft, 5.5ft, 6.4ft, 7.3ft, 8.3ft, 9.2ft, 10.1ft
Control	Fixed output, DALI, PushDim, 0-10V

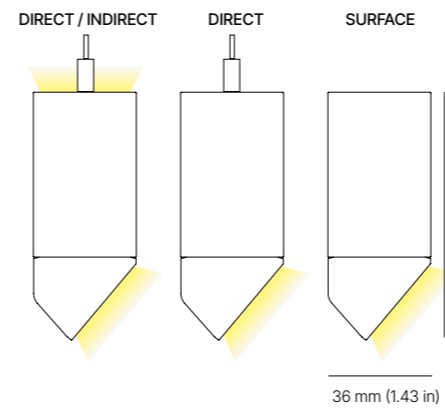
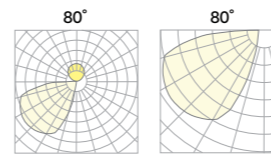
## SEGMENT TYPE



# MiniaX Wallwash Pendant & Surface



## BAFFLE



## TECHNICAL DETAILS

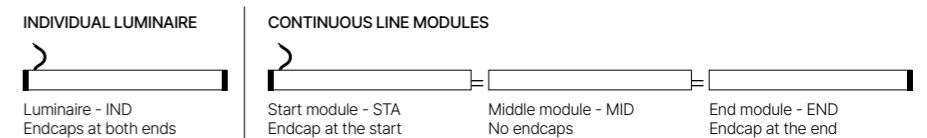
Housing	Powder coated extruded aluminum	
LEDs	Nichia 3-step MacAdam	
LED lumen maintenance	L90B10 > 60.000 h	
Electrical	220 -240 VAC, Integrated driver 110-277 VAC, Integrated driver ( for 0-10V)	
Suspension rope (for pendant)	Silver coloured, lenght - 2 m	6.56'
Lead cable (for pendant)	Transparent, lenght - 2 m	6.56'



## SELECTABLE FEATURES

Light diffuser	Shades
Housing color	● Black, ○ White, ● Grey, ● Custom
Baffle color	● Black, ○ White, ● Black Metalized, ● Silver Metalized
CRI	Ra80+, Ra90+, Ra95+
CCT	2700K, 3000K, 3500K, 4000K, 2700-6500K (tunable white)
Light output (Direct / Indirect)	W16/W8 - Standart output (~24W/m 7.2W/ft) W23/W12- High output (~35W/m 10.5W/ft)
Light output (Direct Only)	W16 - Standart output (~16W/m 5W/ft) W23- High output (~23W/m 7W/ft)
Efficacy	Up to 146 Lm/W luminaire
Length, mm, ft	L280, L560, L840, L1120, L1400, L1680, L1960, L2240, L2520, L2800, L3080 0.9ft, 1.8ft, 2.8ft, 3.7ft, 4.6ft, 5.5ft, 6.4ft, 7.3ft, 8.3ft, 9.2ft, 10.1ft
Control	Fixed output, DALI, PushDim, 0-10V

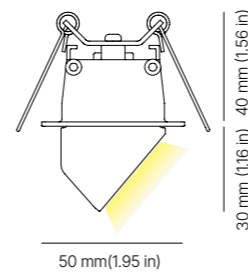
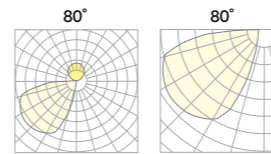
## SEGMENT TYPE



# MiniaX Wallwash Recessed



BAFFLE



## TECHNICAL DETAILS

Housing	Powder coated extruded aluminum
LEDs	Nichia 3-step MacAdam
LED lumen maintenance	L90B10 > 60,000 h
Electrical	220 -240 VAC, Driver included 110-277 VAC, Driver included

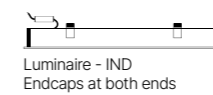


## SELECTABLE FEATURES

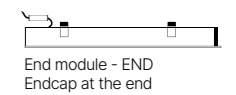
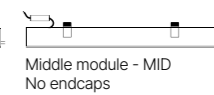
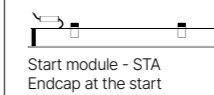
Light diffuser	Shades
Housing color	● Black, ○ White, ● Grey, ● Custom
Baffle color	● Black, ○ White, ● Black Metalized, ● Silver Metalized
CRI	Ra80+, Ra90+, Ra95+
CCT	2700K, 3000K, 3500K, 4000K, 2700-6500K (tunable white)
Light output	W16 - Standart output (~16W/m 5W/ft) W23- High output (~23W/m 7W/ft)
Efficacy	Up to 146 Lm/W luminaire
Length, mm, ft	L280, L560, L840, L1120, L1400, L1680, L1960, L2240, L2520, L2800, L3080 0.9ft, 1.8ft, 2.8ft, 3.7ft, 4.6ft, 5.5ft, 6.4ft, 7.3ft, 8.3ft, 9.2ft, 10.1ft
Control	Fixed output, DALI, PushDim, 0-10V

## SEGMENT TYPE

### INDIVIDUAL LUMINAIRE

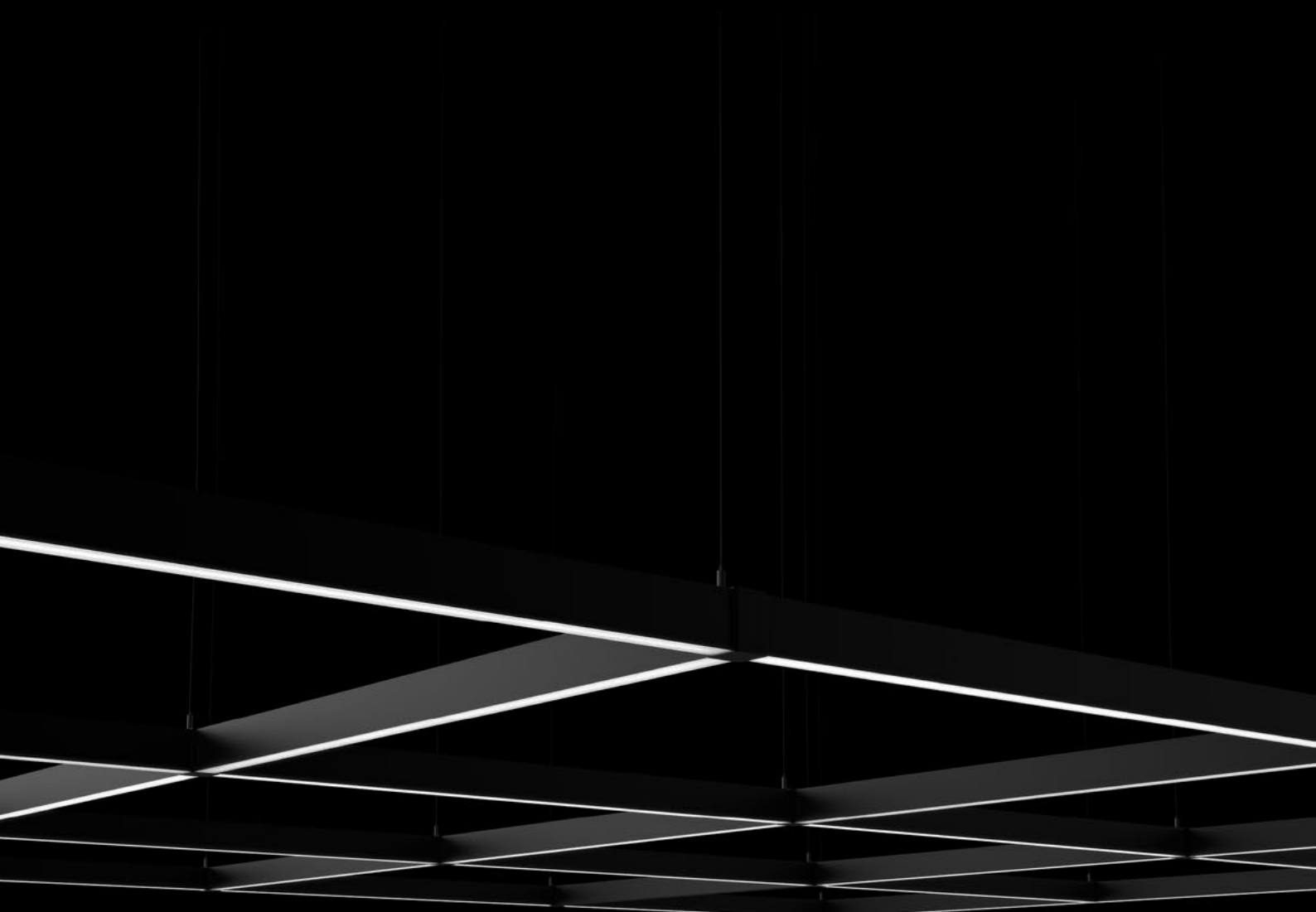


### CONTINUOUS LINE MODULES

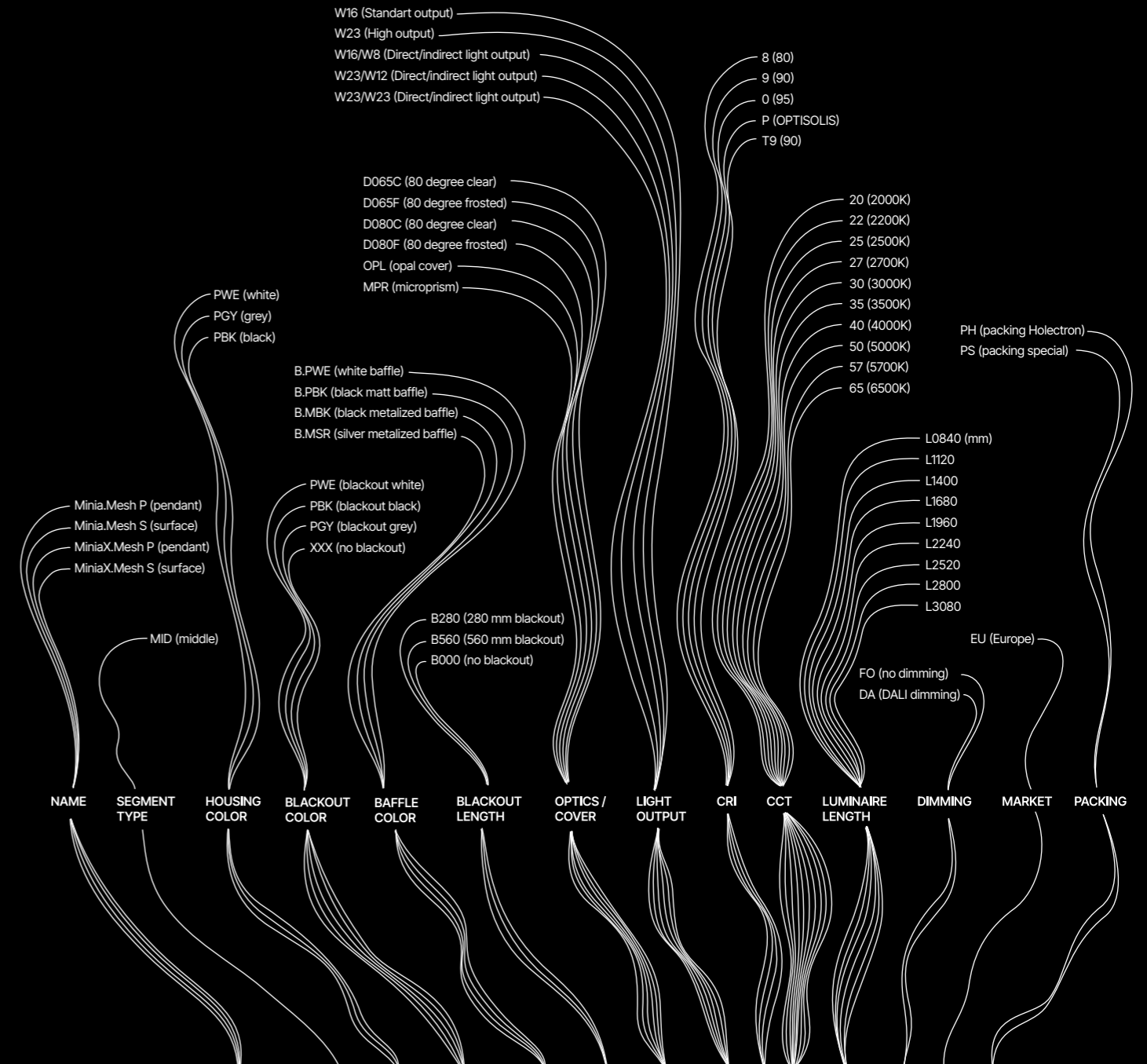




# MINIA MESH



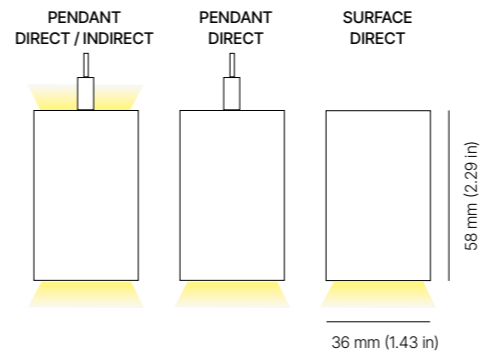
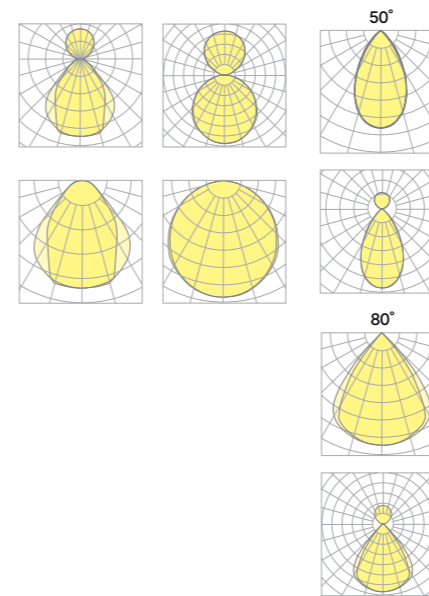
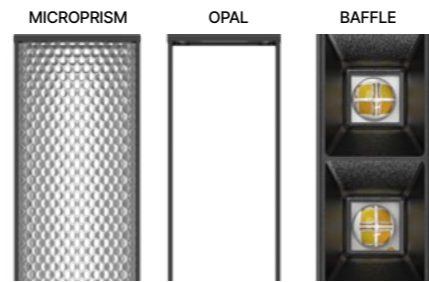
Set the mood and elevate your space with Minia Mesh and Shapes luminaires. Their captivating geometric designs – triangles, squares, and hexagons – diffuse soft, uniform light, creating a serene atmosphere. Perfect for any setting, from classic to modern, Minia Mesh and Shape luminaires are ideal for retail stores, offices, restaurants, and homes alike.



**Minia.Mesh P MID PWE.XXX B.PWE B000 OPL W16 950 L1960 DA EU / PH**

**ORDER CODE EXAMPLE**

# Minia Mesh Pendant & Surface



## TECHNICAL DETAILS

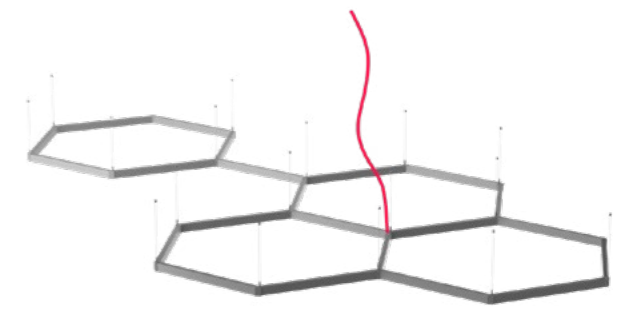
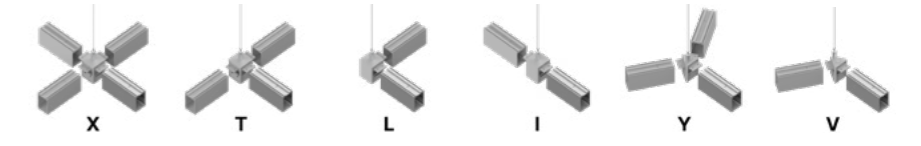
Housing	Powder coated extruded aluminum	
LEDs	Nichia 3-step MacAdam	
LED lumen maintenance	L90B10 > 60.000 h	
Electrical	230 VAC 50 Hz, integrated driver	
Suspension rope (for pendant)	Silver coloured, lenght - 2 m	6.56'
Lead cable (for pendant)	Transparent, lenght - 2 m	6.56'



## SELECTABLE FEATURES

Light diffuser	Microprism, Opal, Baffle
Housing color	● Black, ○ White, ● Grey, ● Custom
Baffle color	● Black, ○ White, ● Black Metalized, ● Silver Metalized
CRI	Ra80+, Ra90+, Ra95+
CCT	2700K, 3000K, 3500K, 4000K, 2700-6500K (tunable white)
Light output (Direct / Indirect)	W16/W8 - Standart output (~24W/m 7.2W/ft) W23/W12- High output (~35W/m 10.5W/ft)
Light output (Direct Only)	W16 - Standart output (~16W/m 5W/ft) W23- High output (~23W/m 7W/ft)
Efficacy	Up to 146 lm/W luminaire L840, L1120, L1400, L1680, L1960, L2240, L2520, L2800, L3080
Length, mm, ft	2.8ft, 3.7ft, 4.6ft, 5.5ft, 6.4ft, 7.3ft, 8.3ft, 9.2ft, 10.1ft
Control	Fixed output, DALI, PushDim, 0-10V

## JOINTS



Only one mains feed cable to supply the whole mesh system. Each module passes mains power to all connected modules through its own integrated through-wiring system.

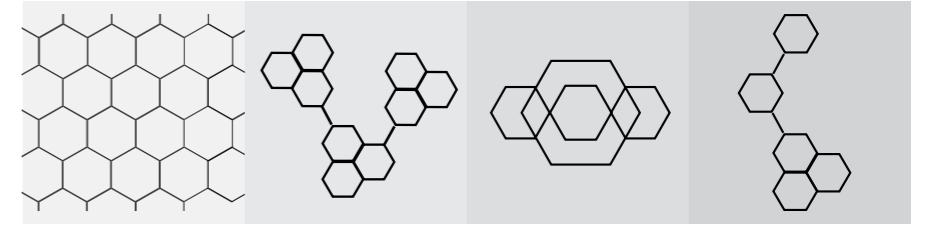


# Minia Mesh Pendant & Surface

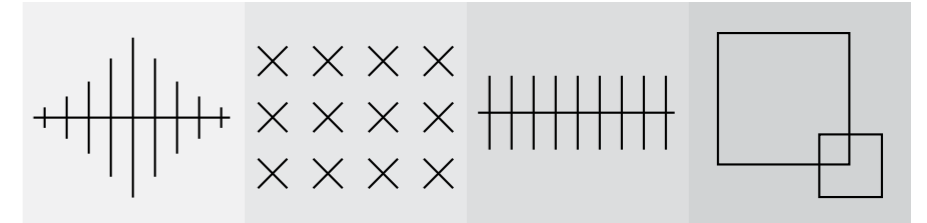


## MESH FORMS IDEAS

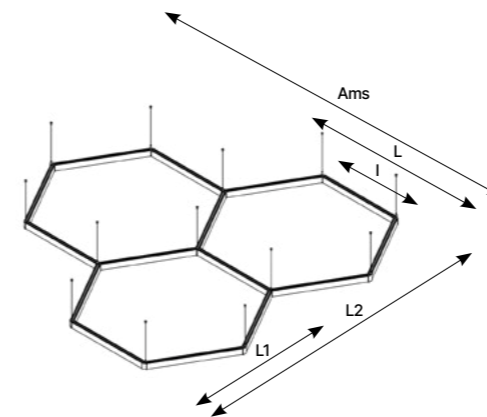
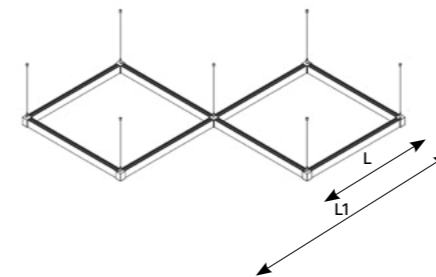
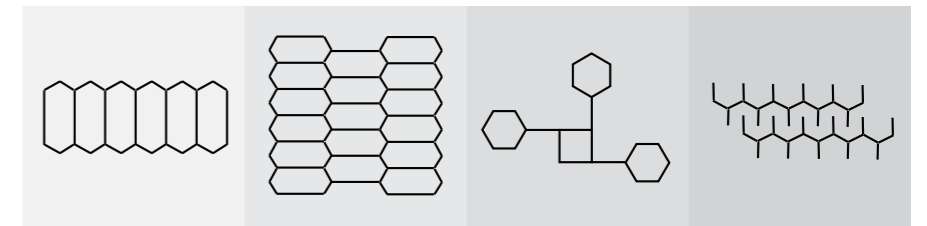
### HEXAGONS



### LINES & SQUARES



### MIXED



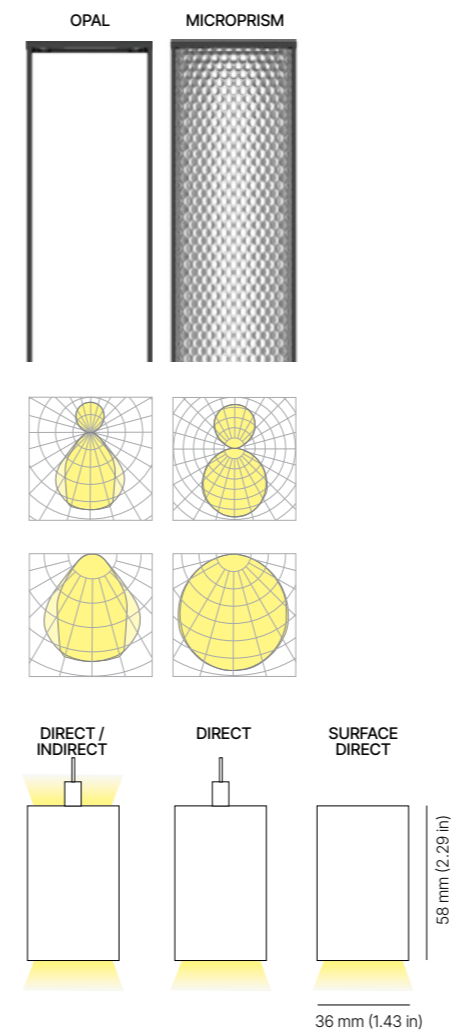
## SQUARE MINIA MESH SYSTEM DIMENSIONS

Length, mm	L, mm	L1, mm
840	929	1812
1120	1209	2372
1400	1489	2932
1680	1769	3492
1960	2049	4052
2240	2329	4612
2520	2906	5172
2800	2889	5732
3080	3169	6292

## HEXAGON MINIA MESH SYSTEM DIMENSIONS

Length, mm	L1, mm	L2, mm	l, mm	L, mm	Ams, mm
840	1544	3043	914	1760	3058
1120	2029	4013	1194	2320	4038
1400	2514	4983	1474	2880	5018
1680	2999	5953	1754	3440	5998
1960	3484	6923	2034	4000	6978
2240	3969	7893	2314	4560	7958
2520	4454	8863	2594	5120	8938
2800	4939	9833	2874	5680	9918
3080	5424	10803	3154	6240	10898

# MINIA SHAPE PENDANT & SURFACE



## TECHNICAL DETAILS

Housing	Powder coated extruded aluminum	
LEDs	Nichia 3-step MacAdam	
LED lumen maintenance	L90B10 > 60.000 h	
Electrical	220 -240 VAC, Integrated driver 110-277 VAC, Integrated driver ( for 0-10V)	
Suspension rope (for pendant)	Silver coloured, lenght - 2 m	6.56'
Lead cable (for pendant)	Transparent, lenght - 2 m	6.56'



## SELECTABLE FEATURES

Light diffuser	Microprism, Opal
Light diffuser color	○ White
Housing color	● Black, ○ White, ● Grey, ● Custom
CRI	Ra80+, Ra90+, Ra95+
CCT	2700K, 3000K, 3500K, 4000K, 2700-6500K (tunable white)
Light output (Direct / Indirect)	W16/W8 - Standart output (~24W/m 7.2W/ft) W23/W12- High output (~35W/m 10.5W/ft)
Light output (Direct Only)	W16 - Standart output (~16W/m 5W/ft) W23- High output (~23W/m 7W/ft)
Efficacy	Microprism 109-112 Lm/W, Opal 105-110 Lm/W
Length, mm, ft	L560, L840, L1120, L1400, L1680, L1960, L2240, L2520, L2800, L3080 1.8ft, 2.8ft, 3.7ft, 4.6ft, 5.5ft, 6.4ft, 7.3ft, 8.3ft, 9.2ft, 10.1ft
Control	Fixed output, DALI, PushDim, 0-10V

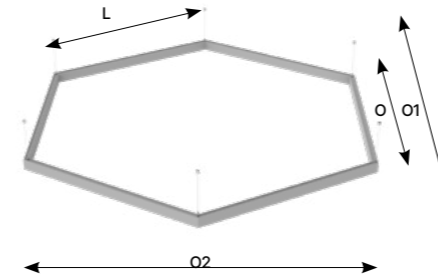
# Minia Shape Pendant & Surface



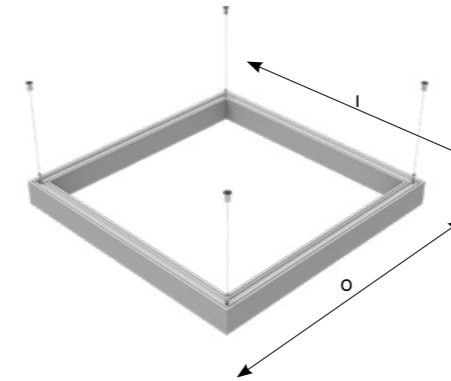
## SIZES AND DIMENSIONS

Possibility to choose from 3 geometric shapes which can be in any size from 560mm to 3080mm

### HEXAGON

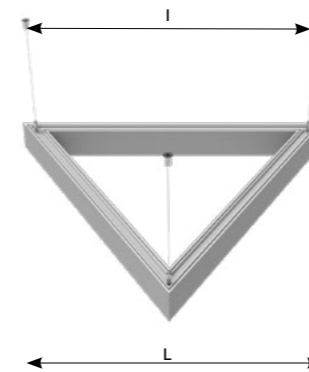


Length, mm	O, mm	O1, mm	O2, mm	L, mm
840	867	1734	1501.69	1671.04
1400	1427	2854	2417.11	2791.04
1400	1427	2854	2417.11	2791.04
1680	1707	3414	2956.61	3351.04
1960	1987	3974	3441.59	3911.04
2240	2267	4534	3926.56	4471.04
2520	2547	5094	4411.53	5031.04
2800	2827	5654	4896.51	5591.04
3080	3107	6214	5381.48	6151.04



### SQUARE

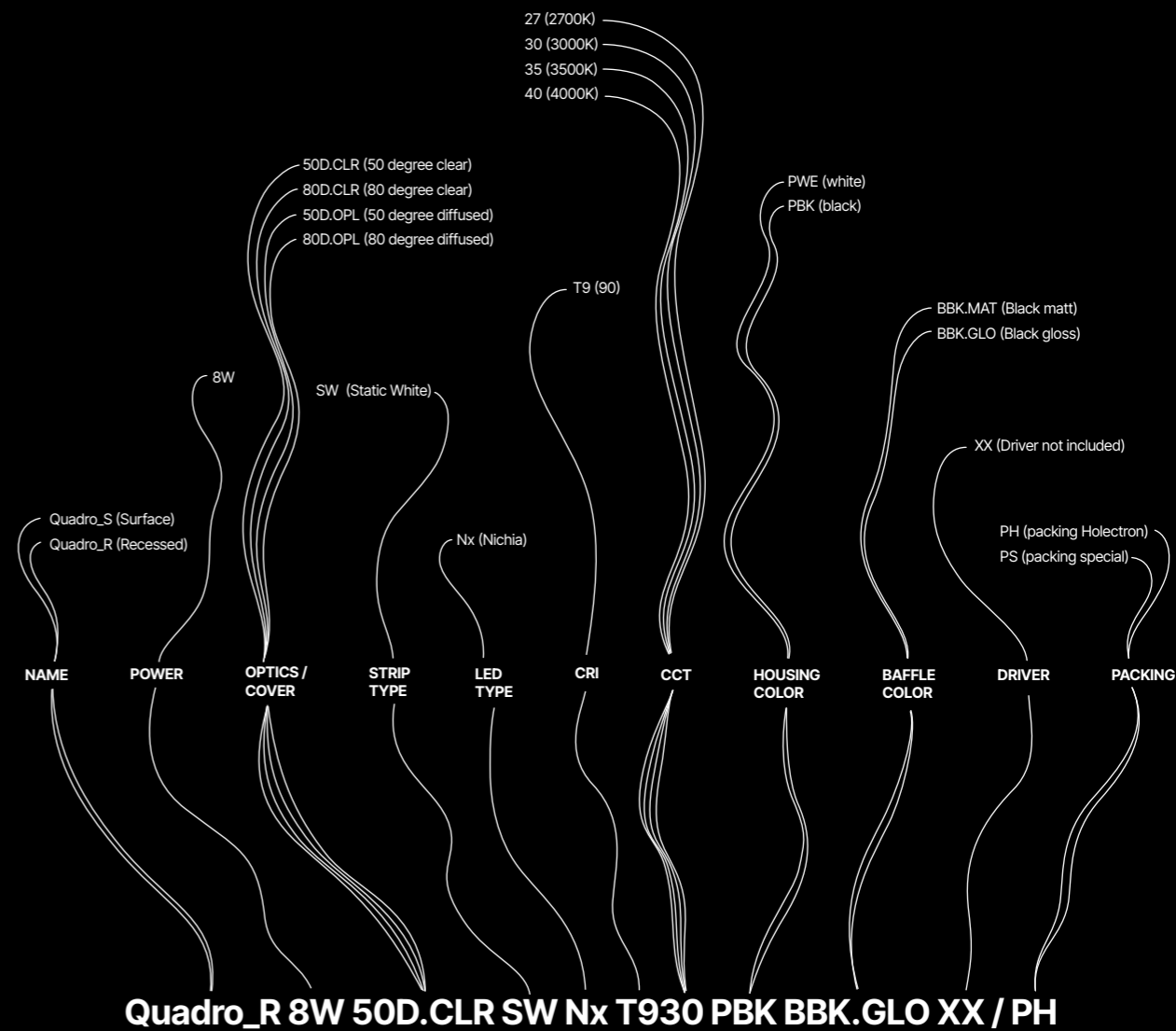
Length, mm	O, mm	I, mm
840	885	832.5
1120	1165	1112.5
1400	1445	1392.5
1680	1725	1672.5
1960	2005	1952.5
2240	2285	2232.5
2520	2565	2512.5
2800	2845	2792.5
3080	3125	3072.5



### TRIANGLE

Length, mm	L, mm	I, mm
840	916	819.72
1120	1196	1099.72
1400	1476	1379.72
1680	1756	1659.72
1960	2036	1939.72
2240	2316	2219.72
2520	2596	2499.72
2800	2876	2779.72
3080	3156	3059.72

# QUADRO



ORDER CODE EXAMPLE

# QUADRO SURFACE



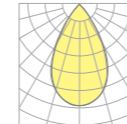
BLACK MATT  
BAFFLE



BLACK GLOSS  
BAFFLE



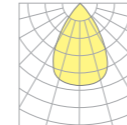
50° CLEAR



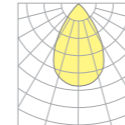
50° OPAL



80° CLEAR



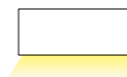
80° OPAL



DIRECT



68 mm (2.66 in)



25 mm (0.98 in)



## TECHNICAL DETAILS

Housing	Powder coated aluminum
LEDs	Nichia 3-step MacAdam
LED lumen maintenance	L90B10 > 60.000 h
Electrical	220 -240 VAC, External driver



## SELECTABLE FEATURES

Light diffuser	Shades
Housing color	● Black, ○ White, ● Custom
Baffle color	● Black matt, ● Black gloss
CRI	Ra80+, Ra90+, Ra95+
CCT	2700K, 3000K, 3500K, 4000K
Power	Up to 8W
Efficacy	Up to 138 lm/W luminaire
Control	Fixed output, DALI

# QUADRO RECESSED



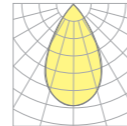
BLACK MATT  
BAFFLE



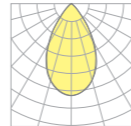
BLACK GLOSS  
BAFFLE



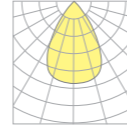
50° CLEAR



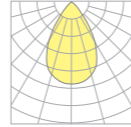
50° OPAL



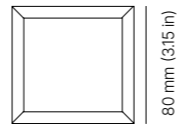
80° CLEAR



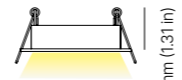
80° OPAL



DIRECT



84 mm (3.29 in)



34 mm (1.31 in)



## TECHNICAL DETAILS

Housing	Powder coated aluminum
LEDs	Nichia 3-step MacAdam
LED lumen maintenance	L90B10 > 60.000 h
Electrical	220 -240 VAC, External driver

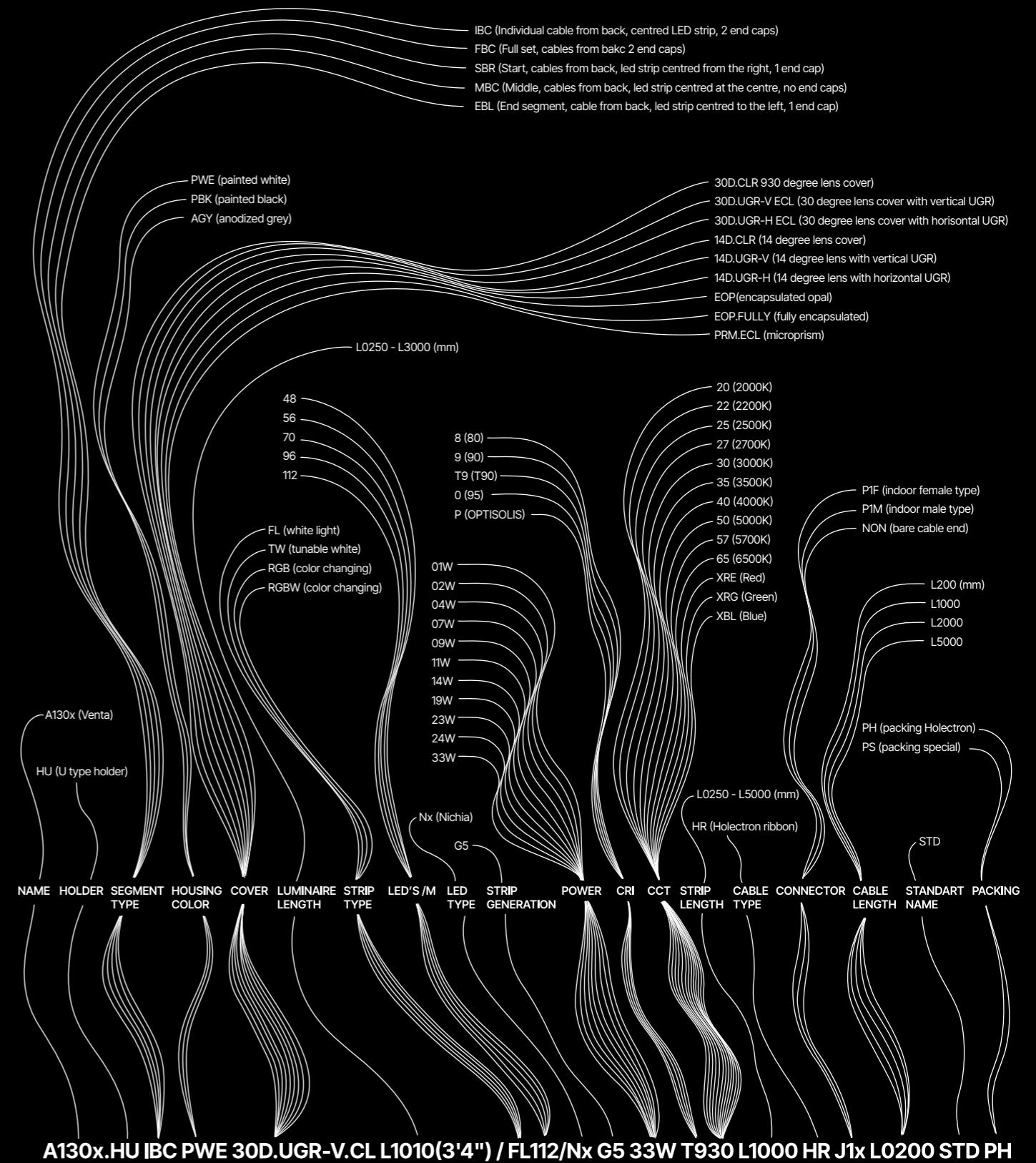


## SELECTABLE FEATURES

Light diffuser	Shades
Housing color	● Black, ○ White, ● Custom
Baffle color	● Black matt, ● Black gloss
CRI	Ra80+, Ra90+, Ra95+
CCT	2700K, 3000K, 3500K, 4000K
Power	Up to 8W
Efficacy	Up to 138 lm/W luminaire
Control	Fixed output, DALI



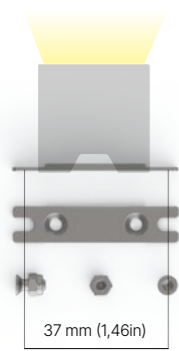
# VENTA INDOOR



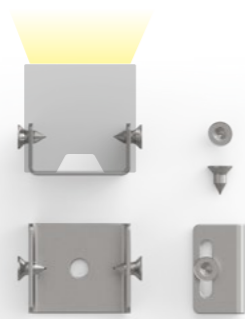
**A130x.HU IBC PWE 30D.UGR-V.CL L1010(3'4") / FL112/Nx G5 33W T930 L1000 HR J1x L0200 STD PH**

**ORDER CODE EXAMPLE**

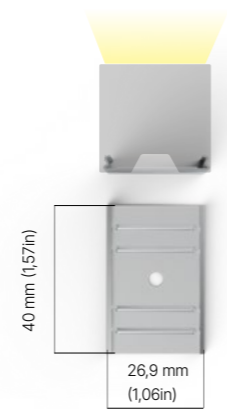
# Surface holders



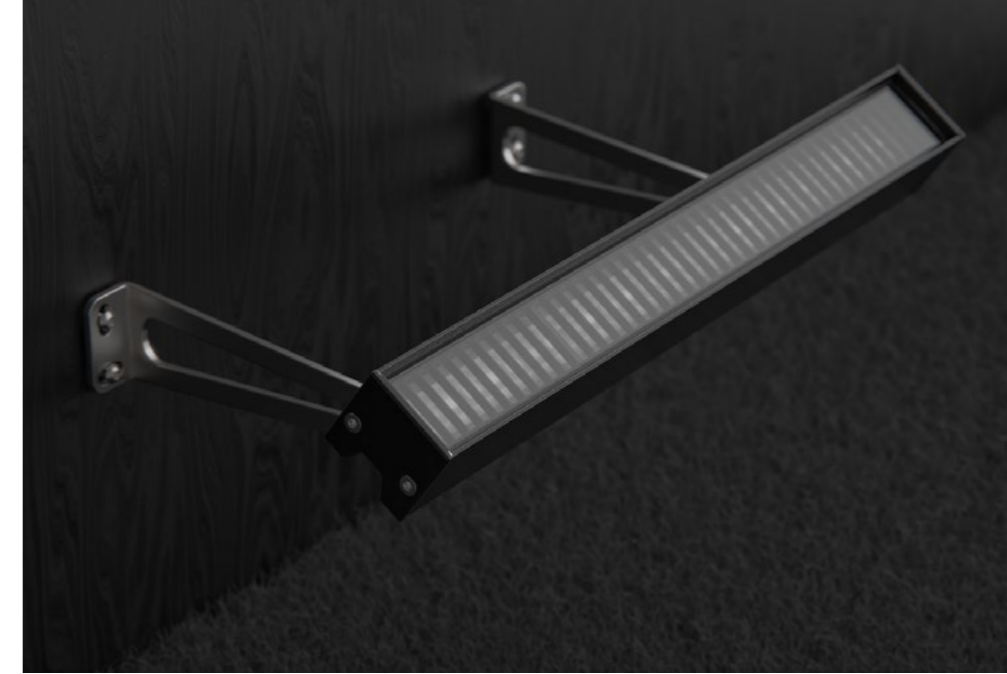
PRG.A130x.F04



PRG.A130x.F05

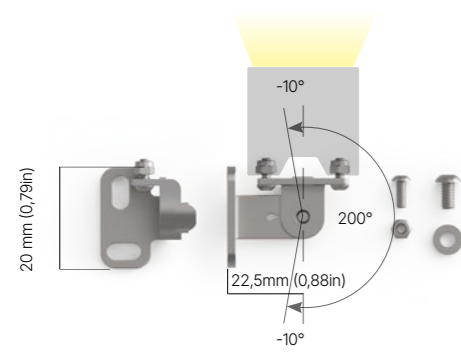


PRG.A130x.F06.RGY

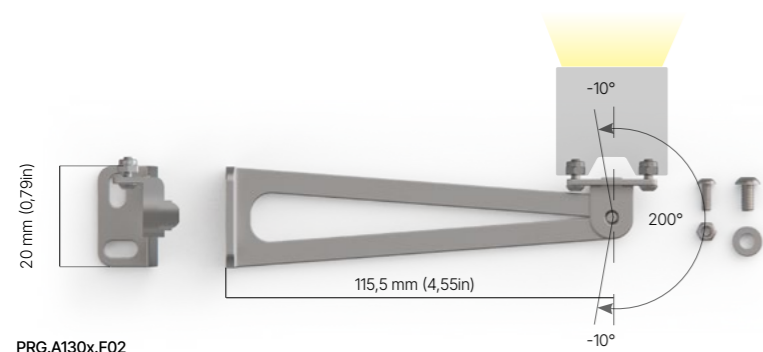


# Angle holders

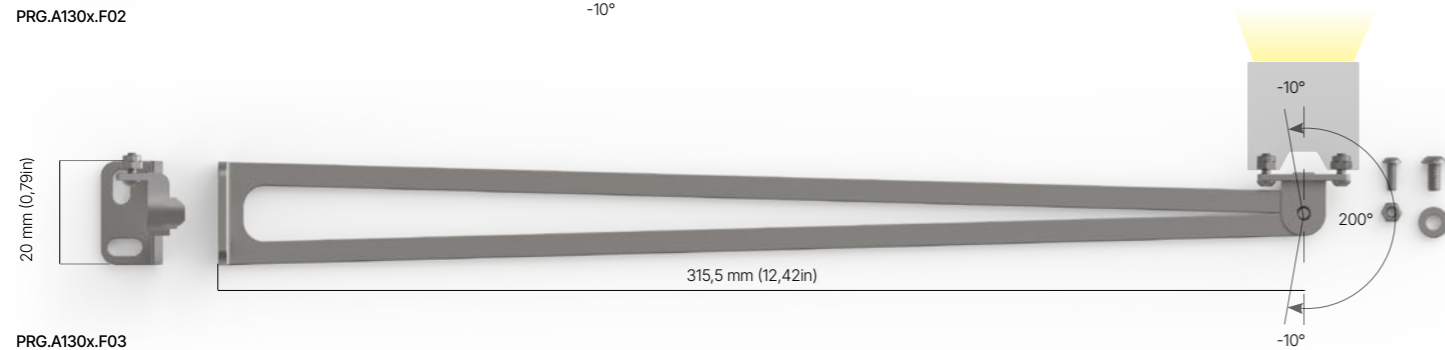
Colors – white, grey, black



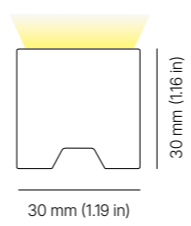
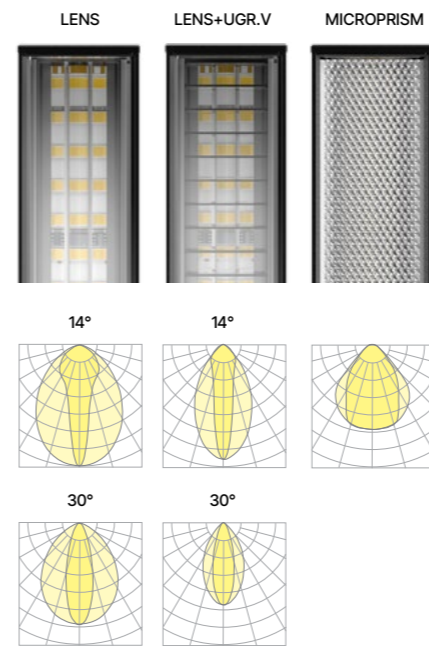
PRG.A130x.F01



PRG.A130x.F02



PRG.A130x.F03



## TECHNICAL DETAILS

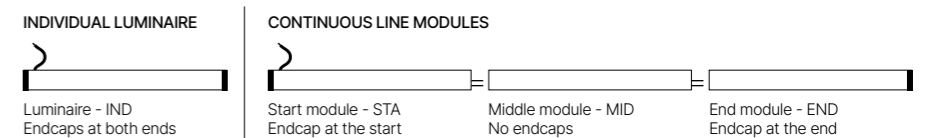
Housing	Powder coated extruded aluminum
LEDs	Nichia 3-step MacAdam
LED lumen maintenance	L90B10 > 60.000 h
Input Voltage	24 VDC
Fix rotation angle	Up to 200°
Lead cable (for pendant)	Transparent, lenght - 2 m 6.56'



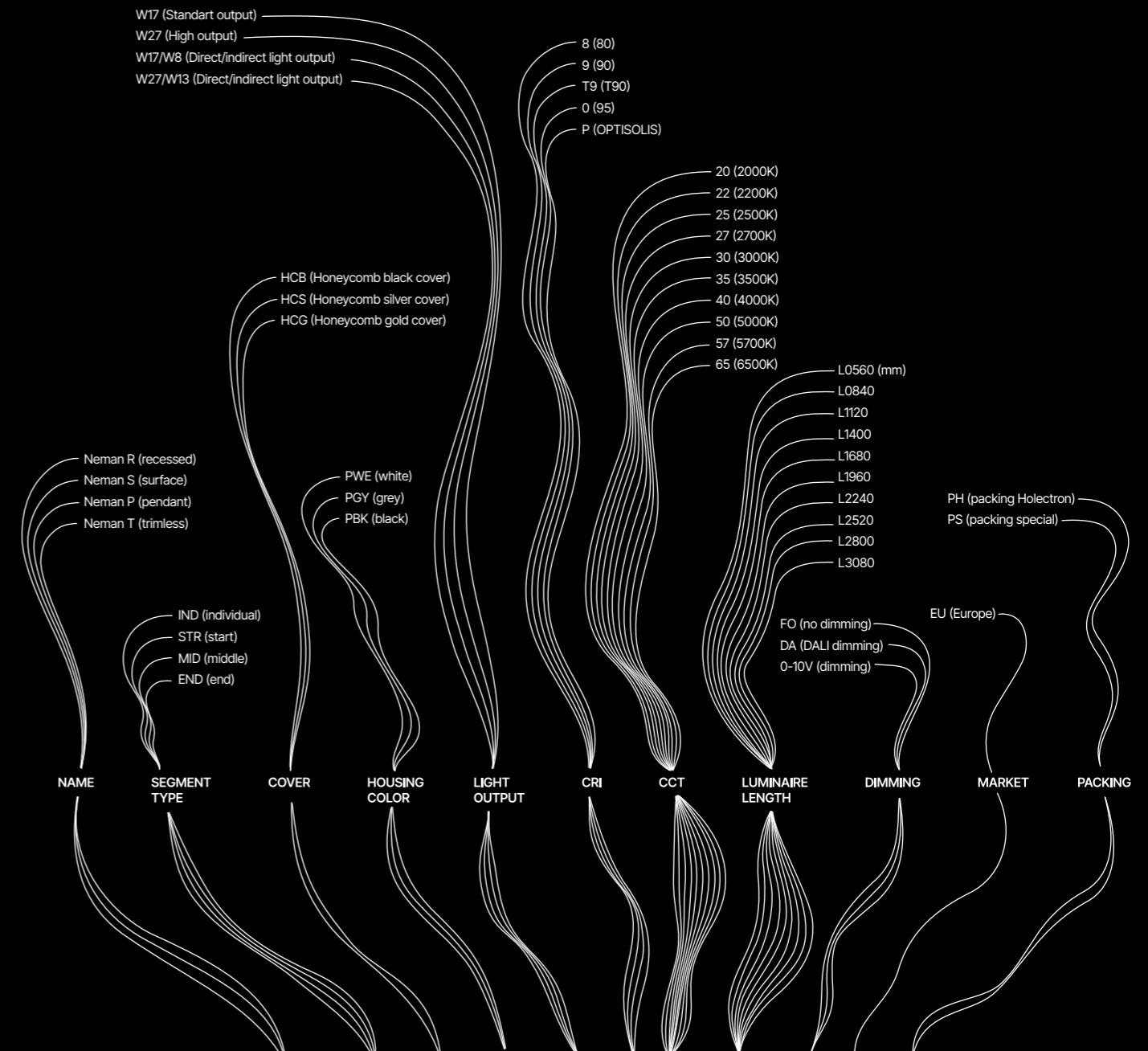
## SELECTABLE FEATURES

Light diffuser	Lense 30D, Lense 30D + UGR, Lense 14D, Lense 14D + UGR, Microprism, Opal
Housing color	● Black, ○ White, ● Grey, ● Custom
CRI	Ra80+, Ra90+, Ra95+
CCT	2000K, 2200K, 2500K, 2700K, 3000K, 3500K, 4000K, 5000K, 5700K, 6500K, 2700-6500K (tunable white), RGB, 2700-6500K RGBW
Max. Wattage	Up to 33W/m (10W/ft)
Light output ratio (LOR)	Microprism 81%, 14D - 78%, 30D - 84%
Length, mm, ft	Minimum length 500mm (19.68in) - maximum length - 3000mm (118.11in)

## SEGMENT TYPE



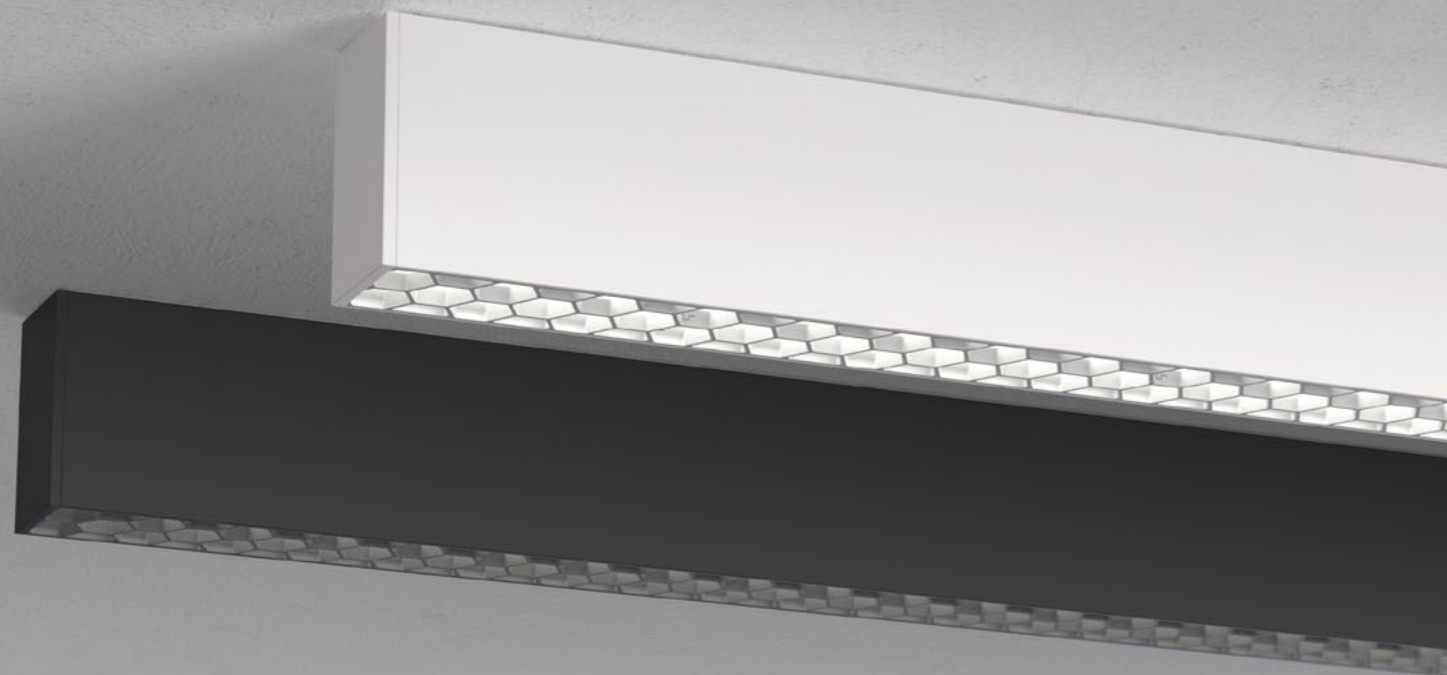
# NEMAN HONEYCOMB



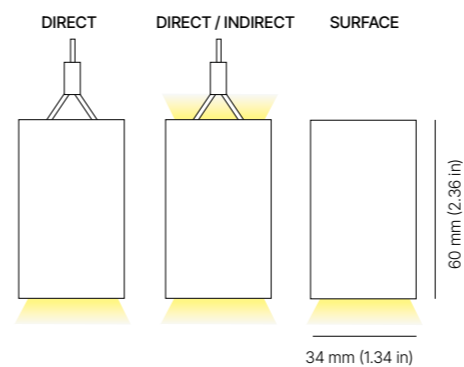
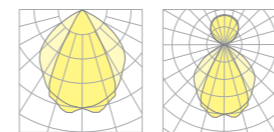
**Neman P IND HCB PWE W17 T930 L0560 DA EU / PH**

ORDER CODE EXAMPLE

# Neman Pendant & Surface



HONEYCOMB



## TECHNICAL DETAILS

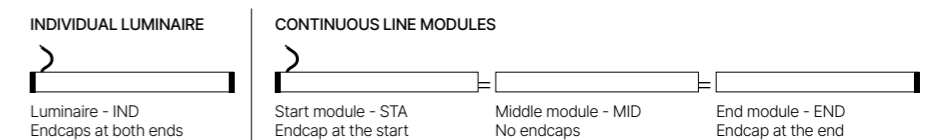
Housing	Powder coated extruded aluminum	
LEDs	Nichia 3-step MacAdam	
LED lumen maintenance	L90B10 > 60.000 h	
Electrical	220 -240 VAC, Integrated driver	
Suspension rope (for pendant)	Silver coloured, lenght - 2 m	6.56'
Lead cable (for pendant)	Transparent, lenght - 2 m	6.56'



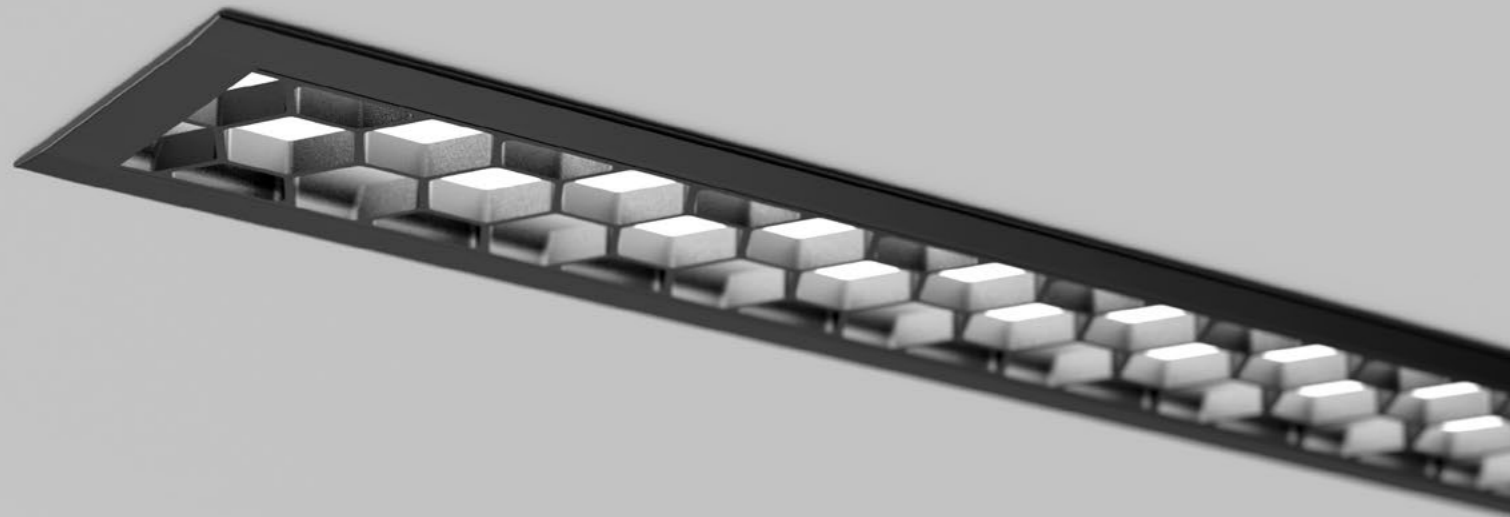
## SELECTABLE FEATURES

Honeycomb light diffuser color	● Black, ● Gold, ● Silver
Housing color	● Black, ○ White, ● Grey, ● Custom
CRI	Ra80+, Ra90+, Ra95+
CCT	2700K, 3000K, 3500K, 4000K, 2700-6500K (tunable white)
Light output (Direct / Indirect)	W17/W8 - Standart output W27/W12- High output
Light output (Direct Only)	W17 - Standart output W27 - High output
Efficacy	Up to 112 Lm/W luminaire
Length, mm, ft	L280, L560, L840, L1120, L1400, L1680, L1960, L2240, L2520, L2800, L3080 0.9ft, 1.8ft, 2.8ft, 3.7ft, 4.6ft, 5.5ft, 6.4ft, 7.3ft, 8.3ft, 9.2ft, 10.1ft
Control	Fixed output, DALI, PushDim, 0-10V

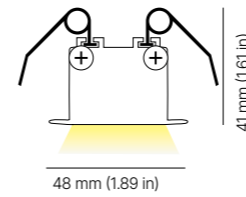
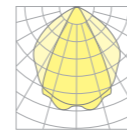
## SEGMENT TYPE



# Neman Recessed



## HONEYCOMB



## TECHNICAL DETAILS

Housing	Powder coated extruded aluminum
LEDs	Nichia 3-step MacAdam
LED lumen maintenance	L90B10 > 60.000 h
Electrical	220 -240 VAC, Driver included

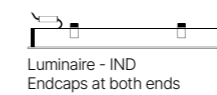


## SELECTABLE FEATURES

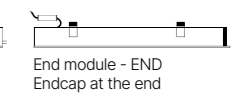
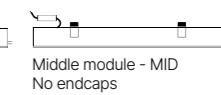
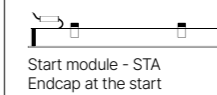
Honeycomb light diffuser color	● Black, ● Silver, ● Gold
Housing color	● Black, ● White, ● Grey, ● Custom
CRI	Ra80+, Ra90+, Ra95+
CCT	2700K, 3000K, 3500K, 4000K, 2700-6500K (tunable white)
Light output (Direct Only)	W17 - Standart output W27- High output
Efficacy	Up to 84 lm/W
Length, mm, ft	L560, L840, L1120, L1400, L1680, L1960, L2240, L2520, L2800, L3080 1.10ft, 2.9ft, 3.8ft, 4.7ft, 5.6ft, 6.4ft, 7.4ft, 8.3ft, 9.2ft, 10.1ft
Control	Fixed output, DALI, PushDim, 0-10V
Sensors - daylight/presence	DALI, DIM, On/Off

## SEGMENT TYPE

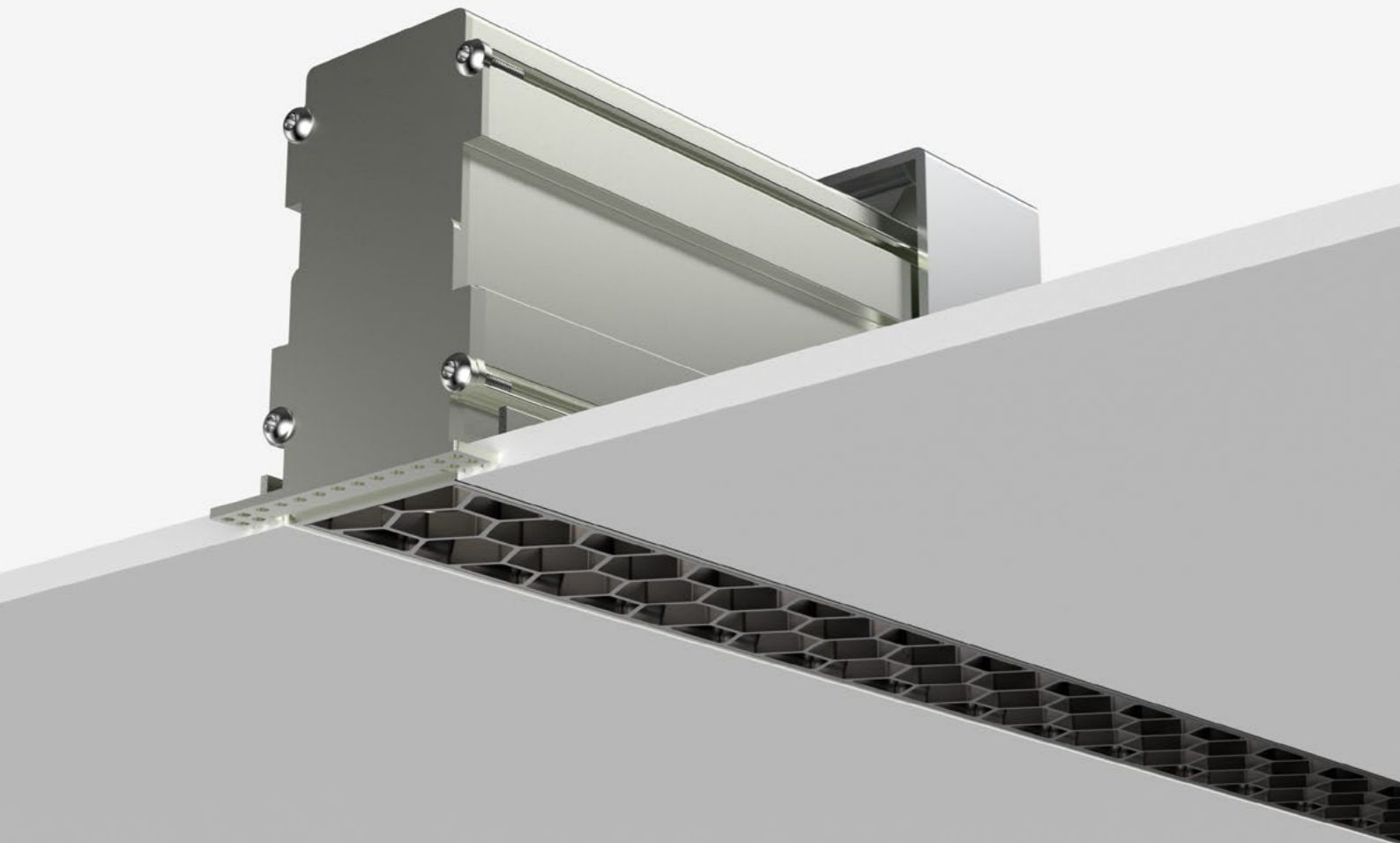
### INDIVIDUAL LUMINAIRE



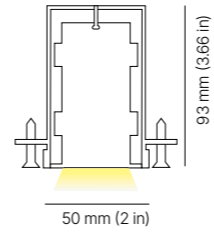
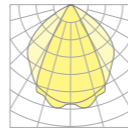
### CONTINUOUS LINE MODULES



# Neman Trimless



HONEYCOMB



## TECHNICAL DETAILS

Housing	Powder coated extruded aluminum
LEDs	Nichia 3-step MacAdam
LED lumen maintenance	L90B10 > 60.000 h
Electrical	220 -240 VAC, Integrated driver

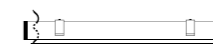


## SELECTABLE FEATURES

Honeycomb light diffuser color	● Black, ● Silver, ● Gold
Housing color	● Black, ● White, ● Grey, ● Custom
CRI	Ra80+, Ra90+, Ra95+
CCT	2700K, 3000K, 3500K, 4000K, 2700-6500K (tunable white)
Light output (Direct Only)	W17 - Standart output W27 - High output
Efficacy	Up to 84 lm/W
Length, mm, ft	L560, L840, L1120, L1400, L1680, L1960, L2240, L2520, L2800, L3080 1.10ft, 2.9ft, 3.8ft, 4.7ft, 5.6ft, 6.4ft, 7.4ft, 8.3ft, 9.2ft, 10.1ft
Control	Fixed output, DALI, PushDim, 0-10V

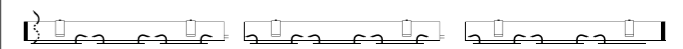
## SEGMENT TYPE

### INDIVIDUAL LUMINAIRE



Luminaire - IND  
Endcaps at both ends

### CONTINUOUS LINE MODULES

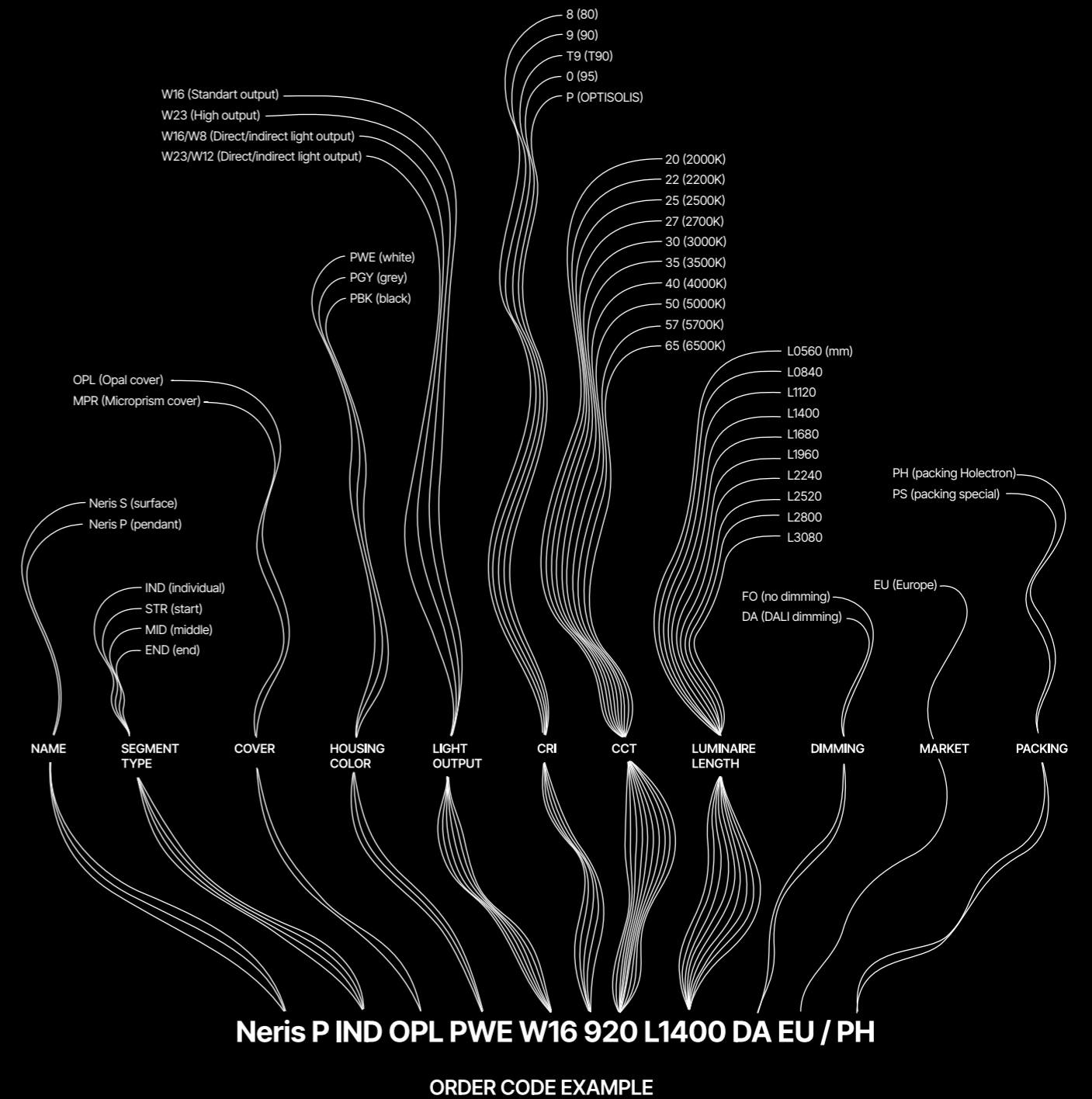


Start module - STA  
Endcap at the start

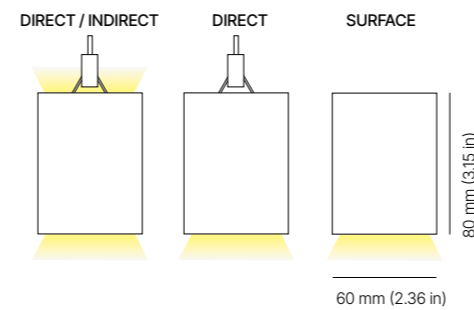
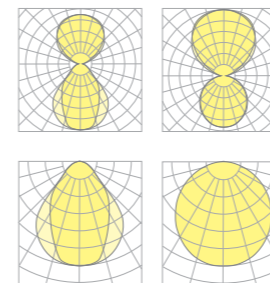
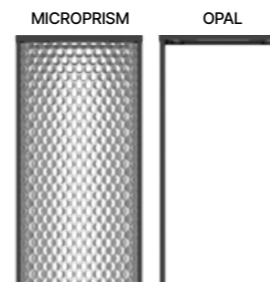
Middle module - MID  
No endcaps

End module - END  
Endcap at the end

# NERIS



# Neris Pendant & Surface



## TECHNICAL DETAILS

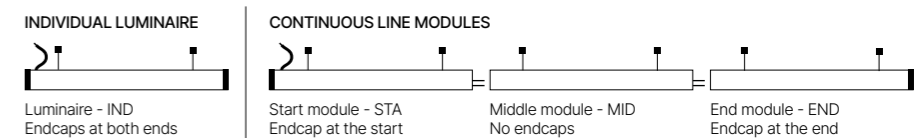
Housing	Powder coated extruded aluminum	
LEDs	Nichia 3-step MacAdam	
LED lumen maintenance	L90B10 > 60.000 h	
Electrical	rom 26W to 136 power	External driver for
	230 VAC 50 Hz Integrated driver	North American market
Suspension rope (for pendant)	Silver coloured, lenght - 2 m	6.56'
Lead cable (for pendant)	Transparent, lenght - 2 m	6.56'



## SELECTABLE FEATURES

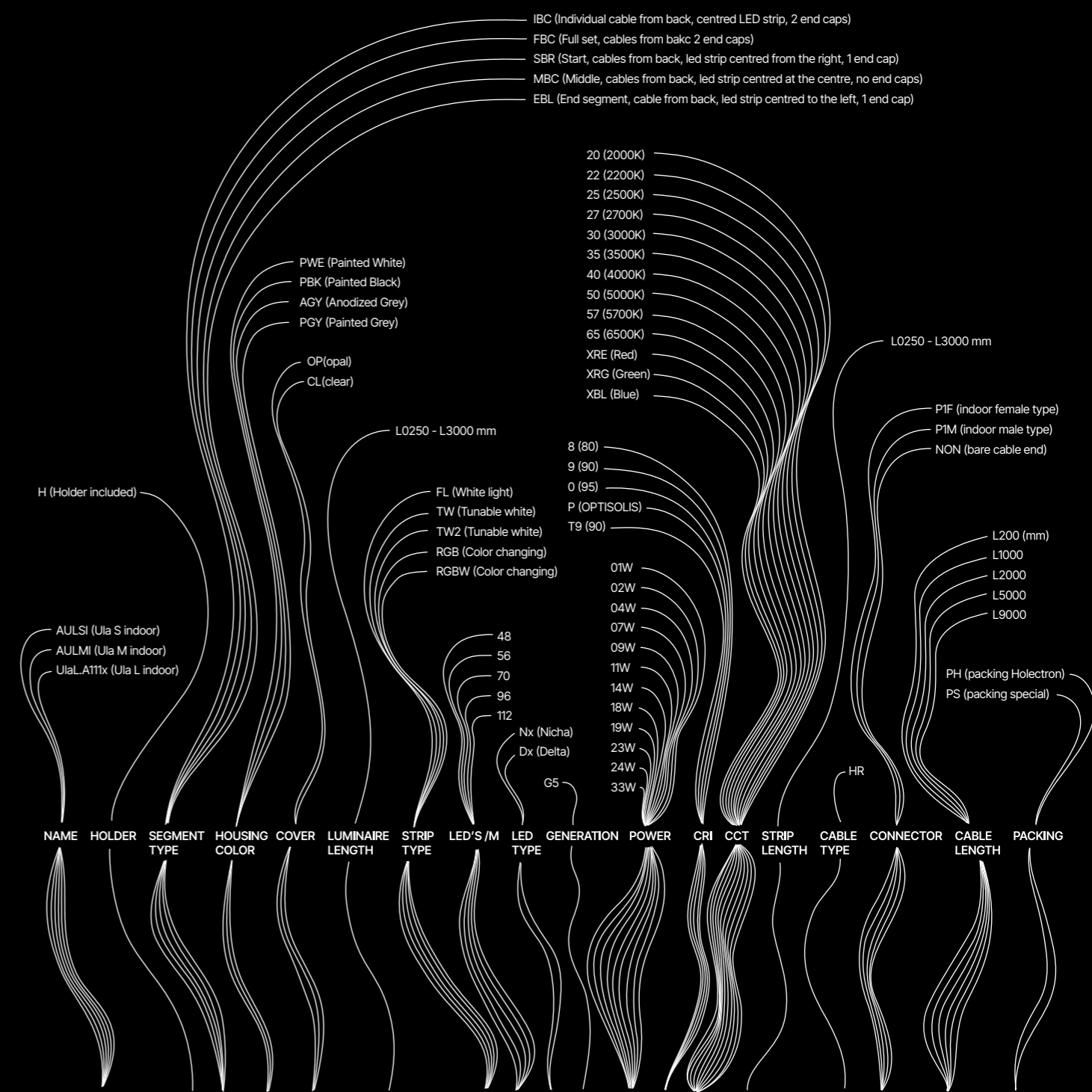
Light diffuser	Microprism, Opal
Housing color	● Black, ○ White, ● Grey, ● Custom
CRI	Ra80+, Ra90+, Ra95+
CCT	2700K, 3000K, 3500K, 4000K, 2700-6500K (tunable white)
Light output (Direct / Indirect)	W16/W8 - Standart output (~24W/m 7.2W/ft)
	W23/W12- High output (~35W/m 10.5W/ft)
Light output (Direct Only)	W16 - Standart output (~16W/m 5W/ft)
	W23- High output (~23W/m 7W/ft)
Efficacy	Microprism 109-112 Lm/W, Opal 105-110 Lm/W
Length, mm, ft	L560, L840, L1120, L1400, L1680, L1920, L2240, L2520, L2800, L3080
	1.8ft, 2.8ft, 3.7ft, 4.6ft, 5.5ft, 6.4ft, 7.3ft, 8.3ft, 9.2ft, 10.1ft
Control	Fixed output, DALI, PushDim, 0-10V

## SEGMENT TYPE





# ULA



UlaL.A111x.H IBC PGY OPL L1008(3'4") / FL112/Nx G5 19W T930 L1000 NC / HR.P1F.L00030 / PH

ORDER CODE EXAMPLE



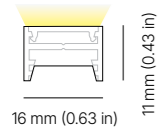
## Ula S - Clear

### TECHNICAL DATA

Cover	Clear / Opal (available on request)
Housing color	● Black, ○ White, ● Grey, ● Custom
Light engine	Any LED strip up to 24 W/m
Beam angle	107°
Connection	Input: plug; Output: socket
Light output ratio (LOR)	88%
Dimmable	YES
Voltage	24 VDC (22.5 - 25 VDC)



### TECHNICAL DRAWING



### LIGHT ENGINE

WHITE		POWER									
SPECTRUM	KELVINS	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
820/822/825/827/830/	CRI 80+	431-670 lm/m		882-1327 lm/m		1334-1973 lm/m		1778-2607 lm/m		-	
835/840/850/857/865	2000-6500K	131-204 lm/ft		269-404 lm/ft		406-601 lm/ft		541-794 lm/ft		-	
920/922/925/927/930/	CRI 90+tri	374-652 lm/m		739-1294 lm/m		1095-1925 lm/m		1441-2546 lm/m		-	
T935/T940/T950/T957/T965	2000-6500K	114-199 lm/ft		225-394 lm/ft		333-586 lm/ft		439-775 lm/ft		-	
027/030/035/040/050	CRI 95+	432-488 lm/m		856-969 lm/m		1270-1441 lm/m		1672-1900 lm/m		-	
	2700-5000K	132-149 lm/ft		261-295 lm/ft		387-439 lm/ft		509-579 lm/ft		-	
Cutting step: 125 mm	EFFICACY	148 lm/W		144 lm/W		139 lm/W		137 lm/W		-	
	MAX RUN	13m 43'		9m 30'		7m 23'		5.5m 18'		-	

TUNABLE		POWER									
SPECTRUM	KELVINS	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
Any combination within	CRI 80+	-		1119-1330 lm/m		-		1844-2674 lm/m		-	
this range 820 - 865	2000-6500K	-		341-415 lm/ft		-		562-815 lm/ft		-	
Any combination within	CRI 90+tri	-		954-1172 lm/m		-		1910-2276 lm/m		-	
this range 920 - T965	2000-6500K	-		291-357 lm/ft		-		582-694 lm/ft		-	
Any combination within	CRI 95+	-		946-998 lm/m		-		1757-1859 lm/m		-	
this range 020 - 050	2000-5000K	-		288-304 lm/ft		-		536-567 lm/ft		-	
Cutting step: 125 mm	EFFICACY			121 lm/W				120 lm/W			
	MAX RUN			8 m 26'				4,5 m 15'			

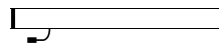
Custom color temperatures ranges available on request.

RGB		POWER									
SPECTRUM	COLOR	4,8 W/m	1,5 W/ft	7,2 W/m	2,2 W/ft	11,52 W/m	3,5 W/ft	14,4 W/m	4,4 W/ft	24 W/m	7,3 W/ft
RGB	Total	-		278 lm/m	85 lm/ft	422 lm/m	128 lm/ft	528 lm/m	161 lm/ft	-	
Cutting step: 125 mm	EFFICACY			39 lm/W		37 lm/W		37 lm/W			
	MAX RUN										

### SEGMENT TYPES

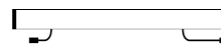
#### STANDALONE

Luminaire  
Endcaps at both ends

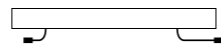


#### CONTINUOUS LINE

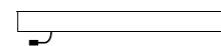
Start module  
Endcap at the start



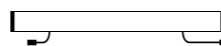
Middle module  
No endcaps



End module  
Endcap at the end



Full module  
Endcaps at both ends

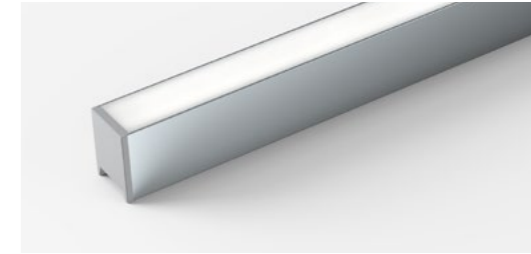


## Ula M - Opal

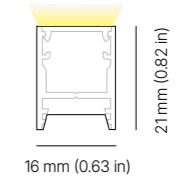


### TECHNICAL DATA

Cover	Opal / Clear (available on request)
Housing color	● Black, ○ White, ● Grey, ● Custom
Light engine	Any LED strip up to 24 W/m
Beam angle	113°
Connection	Input: plug; Output: socket
Light output ratio (LOR)	39%
Dimmable	YES
Voltage	24 VDC (22.5 - 25 VDC)



### TECHNICAL DRAWING



### LIGHT ENGINE

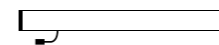
WHITE		POWER									
SPECTRUM	KELVINS	4,8 W/m	1,5 W/ft	9,6 W/m	2,9 W/ft	14,4 W/m	4,4 W/ft	19,2 W/m	5,9 W/ft	24 W/m	7,3 W/ft
820/822/825/827/830/	CRI 80+	235-365 lm/m		481-724 lm/m		728-1076 lm/m		970-1422 lm/m		1204-1762 lm/m	
835/840/850/857/865	2000-6500K	72-111 lm/ft		146-220 lm/ft		222-328 lm/ft		295-433 lm/ft		367-537 lm/ft	
920/922/925/927/930/	CRI 90+tri	204-356 lm/m		403-706 lm/m		597-1050 lm/m		786-1389 lm/m		970-1721 lm/m	
T935/T940/T950/T957/T965	2000-6500K	62-108 lm/ft		123-215 lm/ft		182-320 lm/ft		239-423 lm/ft		295-524 lm/ft	
027/030/035/040/050	CRI 95+	236-266 lm/m		467-528 lm/m		693-786 lm/m		912-1036 lm/m		1126-1280 lm/m	
	2700-5000K	72-81 lm/ft		142-161 lm/ft		211-239 lm/ft		278-315 lm/ft		343-390 lm/ft	
Cutting step: 125 mm	EFFICACY	58 lm/w		57 lm/w		57 lm/w		57 lm/w		57 lm/w	
	MAX RUN	13 m 43'		9 m 30'		7 m 23'		5,5 m 18'		4,5 m 15'	

RGB		POWER											
SPECTRUM	COLOR	7,2 W/m	2,2 W/ft	11,52 W/m	3,5 W/ft	14,4 W/m	4,4 W/ft	23 W/m	7 W/ft	24 W/m	7,3 W/ft	28,8 W/m	8,8 W/ft
RGB	Total	152 lm/m	46 lm/ft	230 lm/m	70 lm/ft	228 lm/m	88 lm/ft	462 lm/m	141 lm/ft	-		-	
Cutting step: 125 mm	EFFICACY	20 lm/W		21 lm/W		20 lm/W		20 lm/W					
	MAX RUN	9m 30'		6,5m 21'		8m 26'		5,5m 18'					

### SEGMENT TYPES

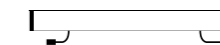
#### STANDALONE

Luminaire  
Endcaps at both ends

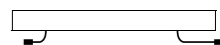


#### CONTINUOUS LINE

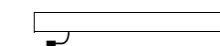
Start module  
Endcap at the start



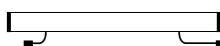
Middle module  
No endcaps



End module  
Endcap at the end

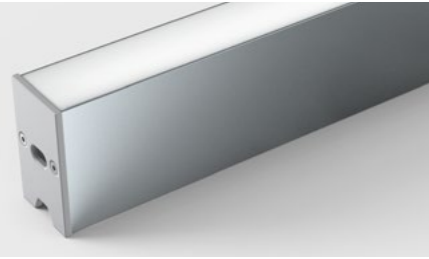


Full module  
Endcaps at both ends





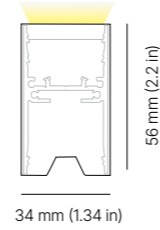
# Ula L - Opal



## TECHNICAL DATA

Cover	Opal / Clear (available on request)
Housing color	● Black, ○ White, ● Grey, ● Custom
Light engine	Any LED strip up to 48 W/m
Beam angle	111°
Connection	Input: plug; Output: socket
Light output ratio (LOR)	52%
Dimmable	YES
Voltage	24 VDC (22.5 - 25 VDC)

## TECHNICAL DRAWING



## LIGHT ENGINE

### WHITE

SPECTRUM	KELVINS	POWER											
		9,6 W/m	2,9 W/ft	14,4 W/m	4,4 W/ft	18,2 W/m	5,5 W/ft	19,2 W/m	5,9 W/ft	24 W/m	7,3 W/ft	33,4 W/m	10,2 W/ft
820/822/825/827/830/	CRI 80+	525-770 lm/m		775-1135 lm/m		963-1418 lm/m		1051-1541 lm/m		1305-1908 lm/m		1787-2625 lm/m	
835/840/850/857/865	2000-6500K	160-234 lm/ft		234-346 lm/ft		293-432 lm/ft		320-469 lm/ft		397-581 lm/ft		544-799 lm/ft	
920/922/925/T927/T930/	CRI 90+tri	425-752 lm/m		622-1110 lm/m		772-1387 lm/m		1387-581 lm/m		1050-1865 lm/m		1433-2568 lm/m	
T935/T940/T950/T957/T965	2000-6500K	129-229 lm/ft		189-338 lm/ft		235-422 lm/ft		422-259 lm/ft		320-568 lm/ft		436-782 lm/ft	
027/030/035/040/050	CRI 95+	494-561 lm/m		722-822 lm/m		896-1022 lm/m		1022-988 lm/m		1219-1387 lm/m		1663-1895 lm/m	
	2700-6500K	150-171 lm/ft		220-250 lm/ft		273-311 lm/ft		311-301 lm/ft		371-422 lm/ft		506-577 lm/ft	
Cutting step: 125 mm	EFFICACY	58 lm/W		57 lm/W		58 lm/W		58 lm/W		56 lm/W		56 lm/W	
(62,5 mm for 33W, 48W)	MAX RUN	7,5 m	25'	6 m	20'	5 m	16'	5,5 m	18'	4,5 m	15'	3,5 m	11'

### TUNABLE

SPECTRUM	KELVINS	POWER											
		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
Any combination within	CRI 80+	-		1318-1580 lm/m		-		-		2201-2641 lm/m		-	
this range 820 - 865	2000-6500K	-		402-482 lm/ft		-		-		671-805 lm/ft		-	
Any combination within	CRI 90+tri	-		1090-1340 lm/m		-		-		1804-2227 lm/m		-	
this range 920 - T965	2000-6500K	-		332-408 lm/ft		-		-		550-679 lm/ft		-	
Any combination within	CRI 95+	-		1038-1099 lm/m		-		-		1688-1792 lm/m		-	
this range 020 - 050	2700-5000K	-		316-355 lm/ft		-		-		515-546 lm/ft		-	
Cutting step: 125 mm	EFFICACY	69 lm/W				67 lm/W				67 lm/W			
	MAX RUN	4,5 m	15'					3m 10'					

### RGB

SPECTRUM	COLOR	POWER													
		7,2 W/m	2,2 W/ft	11,52 W/m	3,5 W/ft	14,4 W/m	4,4 W/ft	23 W/m	7 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
RGB	Total	164	50	250	76	312	95	500	152	-	-	-	-	-	-
Cutting step: 125 mm	EFFICACY	23 lm/W		22 lm/W		22 lm/W		22 lm/W							
	MAX RUN	9 m	30'	6,5 m	21'	8 m	26'	5,5 m	18'						

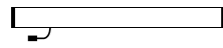
### RGBW

SPECTRUM	KELVINS	POWER											
		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
822 / 825 / 827 / 830	CRI 80+	416-513 lm/m		468-552 lm/m		660-822 lm/m		-		-		-	
835 / 840 / 850 / 865	2200-6500K	127-156 lm/ft		143-168 lm/ft		201-251 lm/ft		-		-		-	
922 / T927 / T930 / T935	CRI 90+tri	407-441 lm/m		433-478 lm/m		596-680 lm/m		-		-		-	
T940 / T950 / T965	2200-6500K	124- 134 lm/ft		133-146 lm/ft		182-207 lm/ft		-		-		-	
Cutting step: 125 mm	EFFICACY	28 lm/W		23 lm/W		25 lm/W							
	MAX RUN	7 m	23'	5,5 m	18'	5 m	16'						

## SEGMENT TYPES

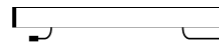
### STANDALONE

Luminaire  
Endcaps at both ends

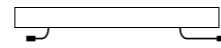


### CONTINUOUS LINE

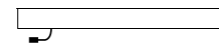
Start module  
Endcap at the start



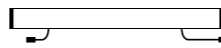
Middle module  
No endcaps



End module  
Endcap at the end



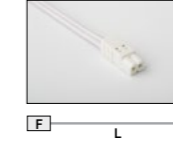
Full module  
Endcaps at both ends



# ACCESSORIES

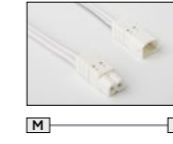
## SOCKET CONNECTORS

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



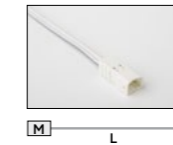
## SOCKET/PLUG CONNECTORS

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



## 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
PRG.AULSI.F01.GZK	Mounting bracket (Ula S / M)
PRG.AULSI.F02.GZK	Mounting bracket with magnet (Ula S / M)
PRG.AULSI.F03.GZK	Mounting bracket adjustable (Ula S / M)
PRG.A111x.ASM.00009	Mounting bracket (Ula L)



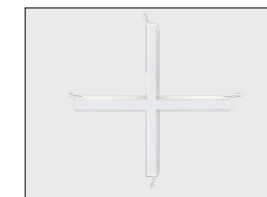
## WIRE LENGTHS AVAILABLE

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

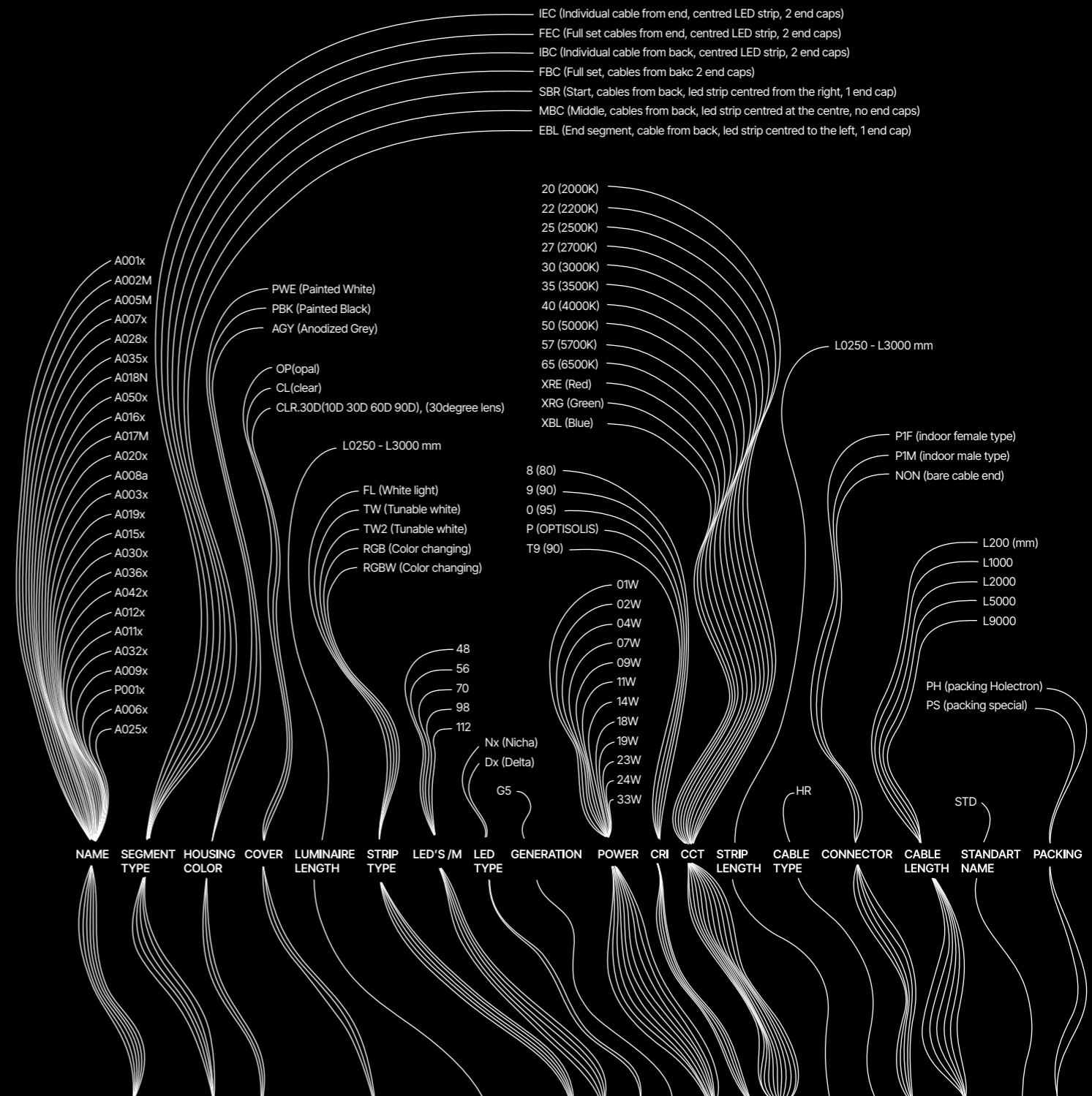
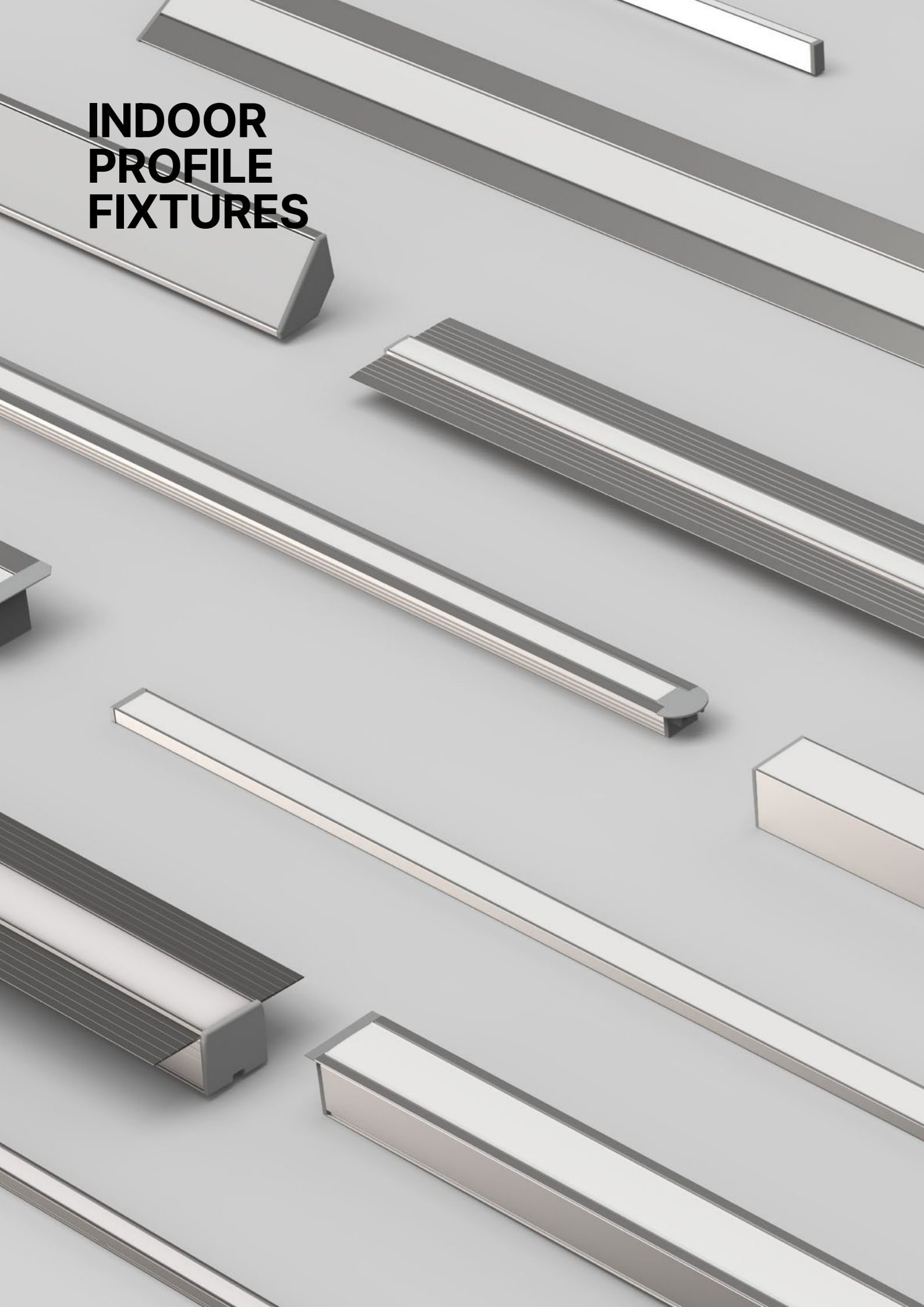


X-shaped



T-shaped

# INDOOR PROFILE FIXTURES



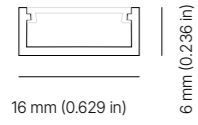
**A007x.Round IEC AGY 07x.1.CLR.30D L1022(3'5") / FL112/Nx G5 19W T930 L1000 HR J1x L0200 STD PH**

**ORDER CODE EXAMPLE**

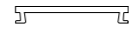
# INDOOR PROFILE FIXTURES

Housing colors: ● Black, ○ White, ● Grey, ● Custom

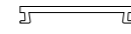
## A002M



### COVERS



PRG.AULSI.C01.CLR  
Clear

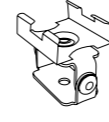


PRG.AULSI.C01.OPL  
Opal

### BRACKETS

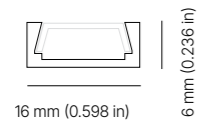


PRG.A002x.F01.GZK

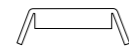


PRG.A002x.F06.RGY

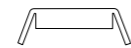
## A002X



### COVERS



PRG.A002x.C01.CLR  
Clear



PRG.A002x.C01.OPL  
Opal



PRG.A002x.C01.RBK  
Black

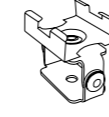


PRG.A002x.C02.FRO  
Frosted

### BRACKETS

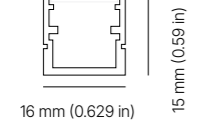


PRG.A002x.F01.GZK



PRG.A002x.F06.RGY

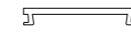
## A005M



### COVERS



PRG.AULSI.C01.CLR  
Clear

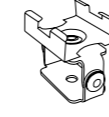


PRG.AULSI.C01.OPL  
Opal

### BRACKETS

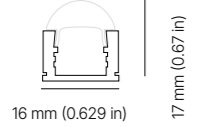


PRG.A002x.F01.GZK

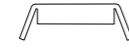


PRG.A002x.F06.RGY

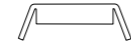
## A007X



### COVERS



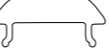
PRG.A002x.C01.CLR  
Opal



PRG.A002x.C01.OPL  
Clear



PRG.A002x.C02.OPL  
Opal



PRM.A007x.C01.CLR  
Clear

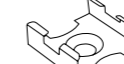
### BRACKETS



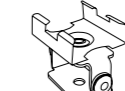
PRG.A007x.C01.OPL  
Opal



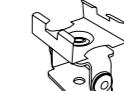
PRG.A007x.C02.CLR  
Clear



PRG.A002x.F01.GZK



PRG.A002x.F06.RGY

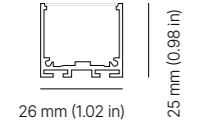


PRG.A002x.F06.PBK



PRG.A002x.F01.PBK

## A017M



### COVERS



PRG.A017M.C01.OPL  
Opal



PRG.A017x.C03.RBK  
Black

### BRACKETS

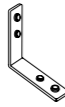


PRG.A016x.F02.RGY



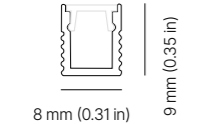
PRG.A019x.F01.GZK

### BRACKETS



PRG.A017x.PRT.02

## A018N



### COVERS



PRG.A018N.C01.OPL  
Opal

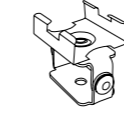


PRG.A018N.F01.GZK

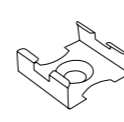
### BRACKETS



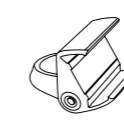
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PRG.A002x.F06.PBK



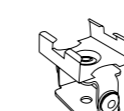
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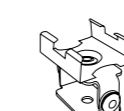
PRG.A002x.F04.RGY



PRG.A002x.F01.GZK



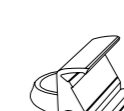
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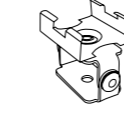
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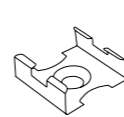
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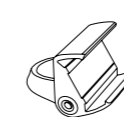
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PRG.A002x.F06.PBK



PRG.A002x.F01.PBK



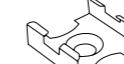
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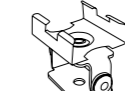
PRG.A007x.C01.OPL  
Opal



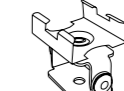
PRG.A007x.C02.CLR  
Clear



PRG.A002x.F01.GZK



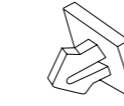
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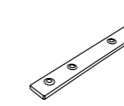
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PRG.A002x.F01.PBK



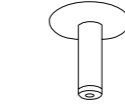
PRG.A015x.F04.RWE



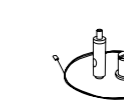
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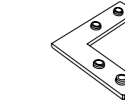
PRG.A006x.PRT.00002



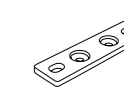
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PRG.A016x.PRT.00001

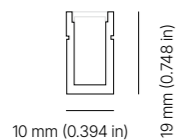


PRG.A017x.PRT.00006

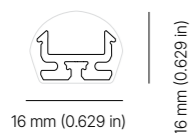


PRG.A016x.F01.RGY

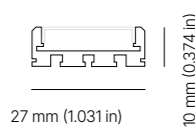
**A028X**



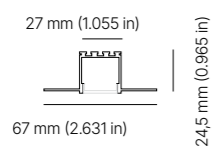
**A035X**



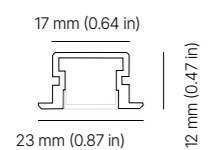
**A016X**



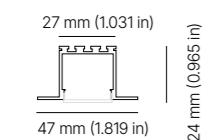
**A003X**



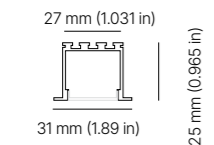
**A008A**



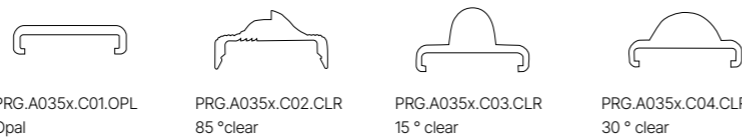
**A015X**



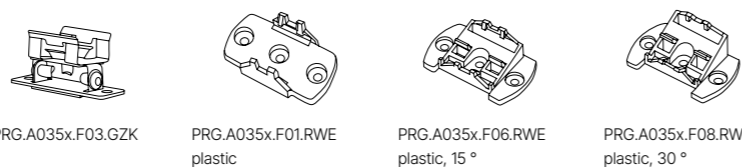
**A019X**



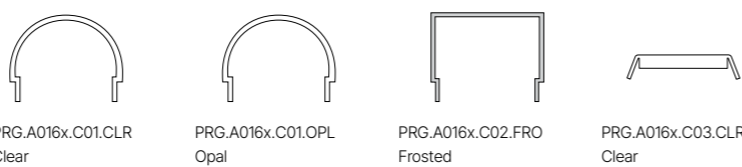
**COVERS**



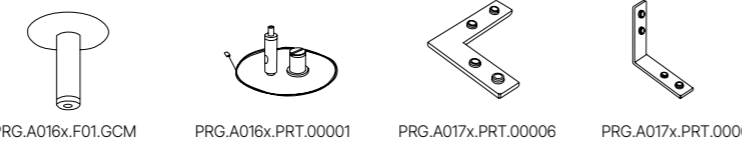
**BRACKETS**



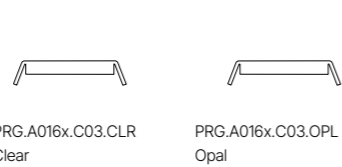
**COVERS**



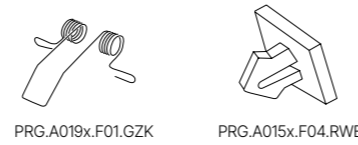
**BRACKETS**



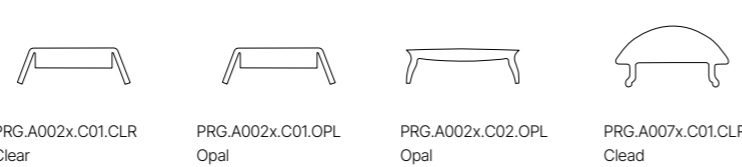
**COVERS**



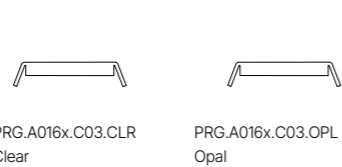
**BRACKETS**



**COVERS**



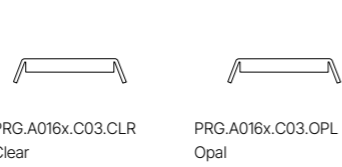
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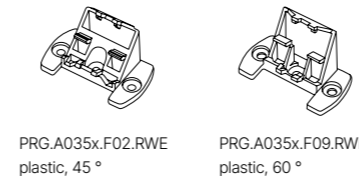
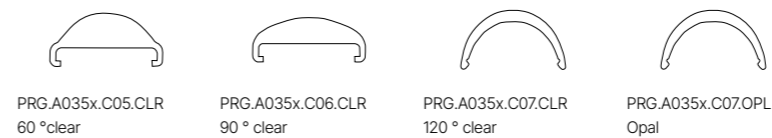
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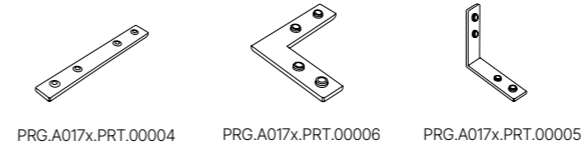
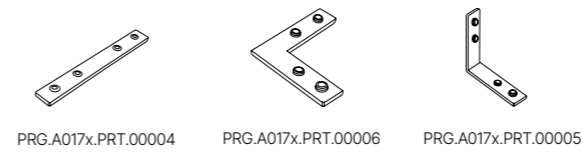
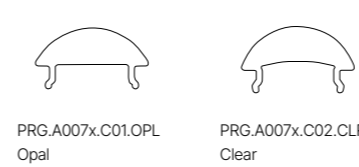
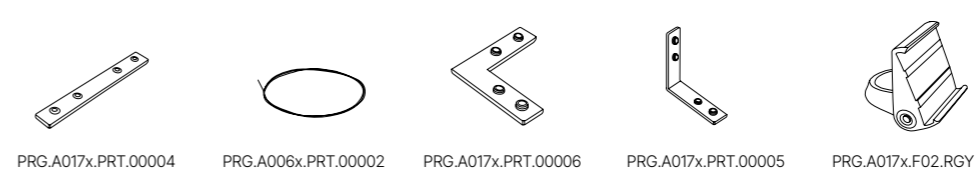
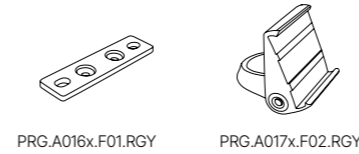
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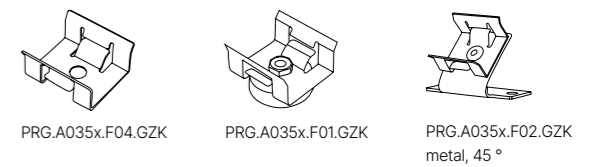
**BRACKETS**



**BRACKETS**



**BRACKETS**



### A030X



21 mm (1.803 in)  
56 mm (2.205 in) | 14 mm (0.55 in)



### A011X



52 mm (2.047 in)  
46 mm (1.803 in) | 27 mm (1.06 in)



### A032X



46 mm (1.776 in)  
33 mm (1.274 in) | 33 mm (1.274 in)



### A042X



16 mm (0.629 in)



### A006X



23 mm (0.897 in)  
30 mm (1.181 in) | 9 mm (0.331 in)



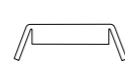
### A025X



19 mm (0.728 in) | 16 mm (0.616 in)



### COVERS



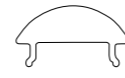
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Clear



PRG.A002x.C01.OPL  
Opal



PRG.A002x.C02.OPL  
Opal

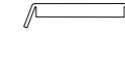


PRG.A007x.C01.CLR  
Clear

### COVERS



PRG.A016x.C03.CLR  
Clear



PRG.A016x.C03.OPL  
Opal

### COVERS



PRG.A032x.C01.OPL  
Opal



PRG.A032x.C02.OPL  
Opal

### COVERS



PRG.A042x.C01.CLR  
Clear



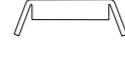
PRG.A042x.C01.OPL  
Opal

### COVERS



PRG.A006x.C01.OPL  
Opal

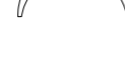
### COVERS



PRG.A002x.C01.CLR  
Clear



PRG.A002x.C01.OPL  
Opal

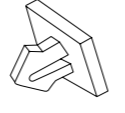


PRG.A002x.C02.OPL  
Opal



PRG.A007x.C01.CLR  
Clear

### BRACKETS



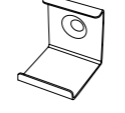
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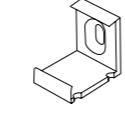


PRG.A032x.F01.GZK

### BRACKETS

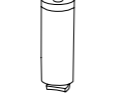


PRG.A042x.F01.GZK



PRG.A042x.F02.RWE

### BRACKETS



PRG.A006x.PRT.00001



PRG.A006x.PRT.002



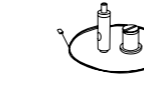
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PRG.A007x.C01.OPL  
Opal



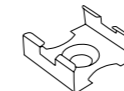
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Clear



PRG.A016x.PRT.00001



PRG.A007x.C01.OPL  
Opal



PRG.A009x.F01.GZK

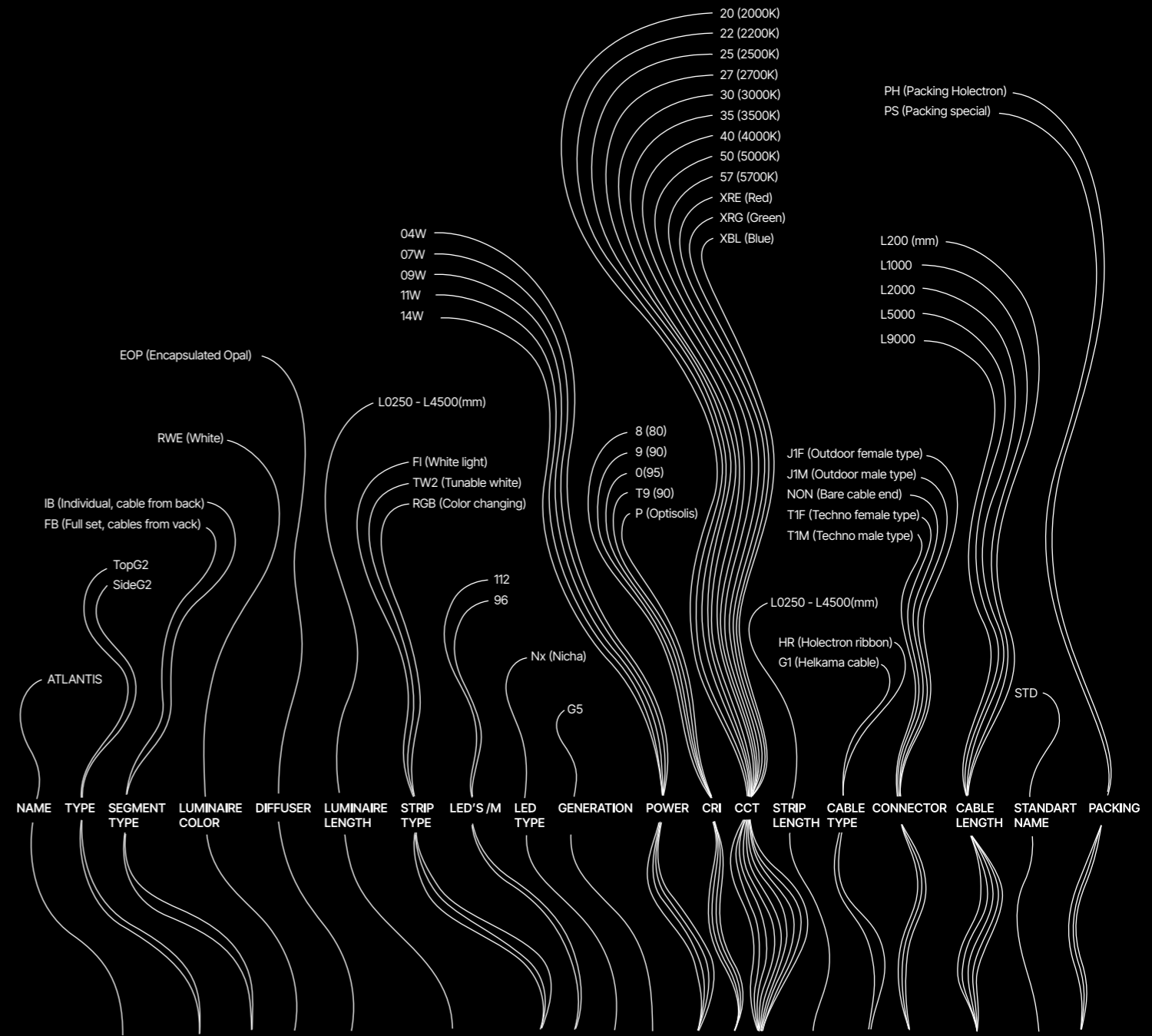


PRG.A025x.F01.GZK

**OUTDOOR**



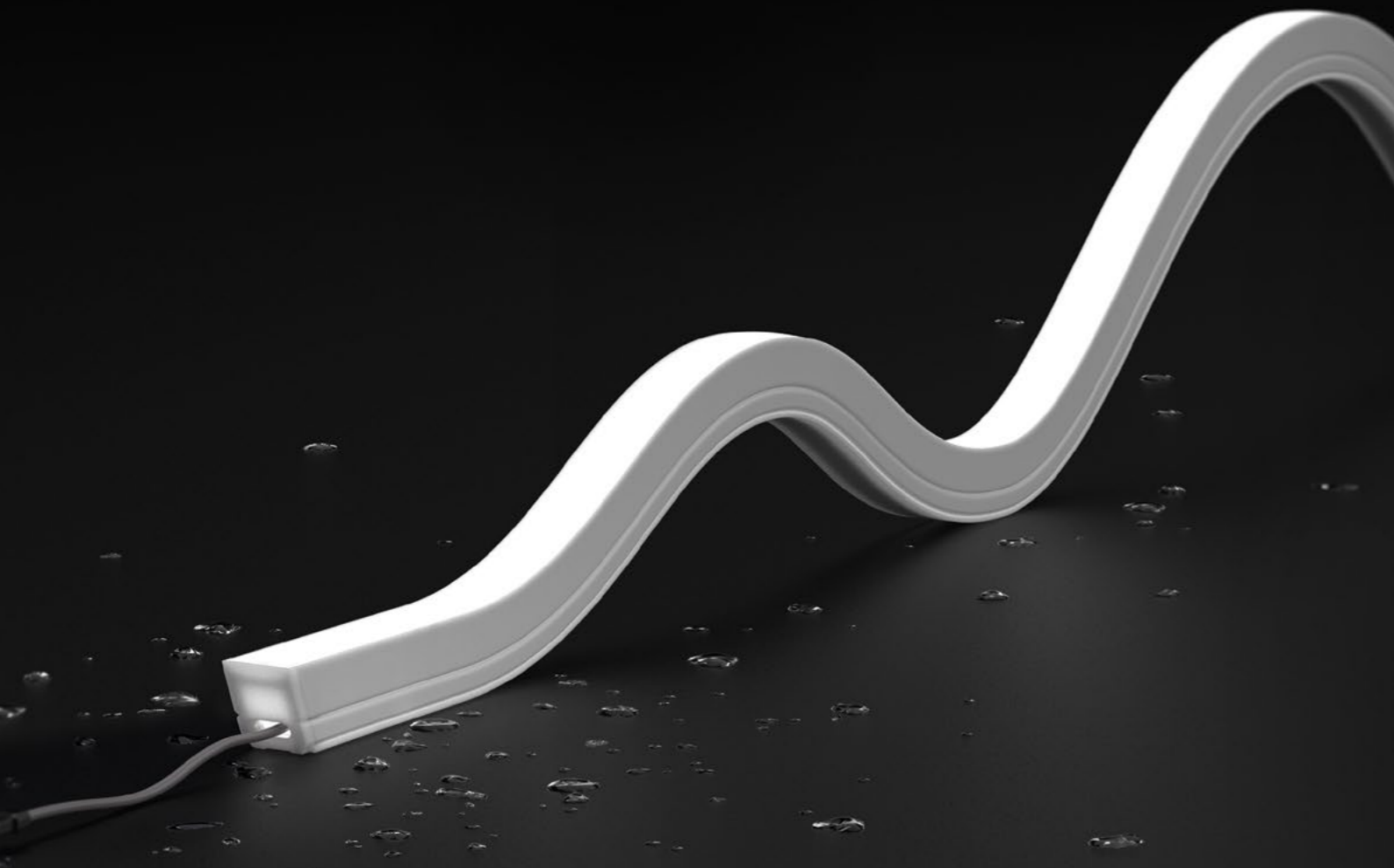
# ATLANTIS



**AtlantisSideG2 IB RWE.EOP L1025(3'5")/FL112/Nx G5 14W 920 L1000 HR J1x L0200 STD PH**

**ORDER CODE EXAMPLE**

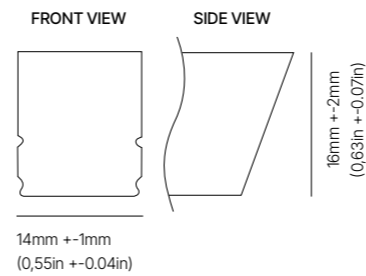
# Atlantis Top



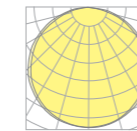
## One way to bend the rules

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 dust and waterproof, salt and solvent-proof, and UV resistant. It has been rated at IP67 for ingress protection.



BEND TYPE: TOP. R = 15CM (5,9 IN)



### TECHNICAL DATA

LEDs per meter	112 LEDs/m	34 LEDs/ft
Voltage	24 VDC (22.5 - 25 VDC), 48 VDC	
Cutting step	62,5 mm	2.46 in
Maximum length L+/-3mm/m (0.11in)	4,5 m	17.71 in
Height	16 mm	0.63 in
Width	14 mm	0.55 in
Bend radius	Rmin=15cm	Rmin = 5.91 in
Light output ratio (LOR)	59%	
TC temperature	<75° C	<167° F
Operating temperature	-25°C...+40°C	-13°F...104°F
Beam angle	115°	
Dimmable	YES	



### LIGHT ENGINE

#### WHITE 24V

SPECTRUM	KELVINS	POWER					
		4.8w/m	1.5W/ft	9.6w/m	2.92W/ft	14.4w/m	4.38W/ft
820/822/825/827/830/	CRI 80+	293-472 lm/m		599-935		907-1390	
835/840/850/865	2000-6500K	89-144 lm/ft		182-285		276-423	
920/922/925/T927/T930/	CRI 90+tri	254-459 lm/m		503-912		744-1375	
T935/T940/T950/T965	2000-6500K	77-139 lm/ft		153-278		227-419	
Cutting step: 125 mm	EFFICACY	85 lm/w		86 lm/w		86 lm/w	
	MAX RUN	13m 43'		9m 30'		7m 23'	

#### WHITE 48V

SPECTRUM	KELVINS	POWER					
		4.8w/m	1.5W/ft	9.6w/m	2.92W/ft	14.4w/m	4.38W/ft
820/822/825/827/830/	CRI 80+	293-472 lm/m		599-935		907-1390	
835/840/850/865	2000-6500K	89-144 lm/ft		182-285		276-423	
920/922/925/T927/T930/	CRI 90+tri	254-459 lm/m		503-912		744-1357	
T935/T940/T950/T965	2000-6500K	77-140 lm/ft		153-278		227-413	
Cutting step: 125 mm	EFFICACY	46 lm/w		45 lm/w		45 lm/w	
	MAX RUN	35.5m 107'		17.5m 57'		14m 46'	

#### TUNABLE

SPECTRUM	KELVINS	POWER	
		9.6 W/m	2.9 W/ft
Any combination within	CRI 80+	804 lm/m	
this range 820-865	2000-6500K	245 lm/ft	
Cutting step: 125 mm	EFFICACY	84 lm/w	
	MAX RUN	4.5m 15'	

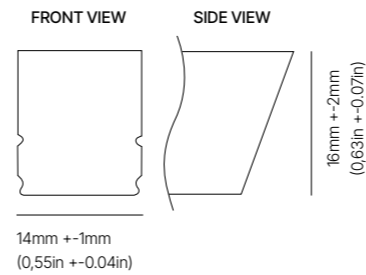
#### RGB

SPECTRUM	COLOR	POWER			
		7.2W/m	2.2W/ft	11.52W/m	3.5W/ft
RGB	Total	183 lm/m	56 lm/ft	287	87
Cutting step: 125 mm	EFFICACY	25 lm/w		25 lm/w	
	MAX RUN	9m 30'		9.5m 31'	

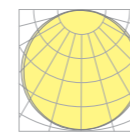
Disclaimer: Technical data is subject to change without prior notice. Tolerances of +/-5% in luminous flux and light color should be accepted.



# Atlantis Side



BEND TYPE: SIDE. R = 15CM (5,9 IN)



## TECHNICAL DATA

LEDs per meter	112 LEDs/m	34 LEDs/ft
Voltage	24 VDC (22.5 - 25 VDC), 48VDC	
Cutting step	62,5 mm	2.46 in
Height	16 mm	0.63 in
Width	14 mm	0.55 in
Maximum length L±3mm/m (0.11in)	4,5 m	177.1 in
Bend radius	Rmin= 15cm	Rmin = 5.91 in
Light output ratio (LOR)	54%	
TC temperature	<75° C	<167° F
Operating temperature	-25°C...+40°C	-13°F...104°F
Beam angle	120°	
Dimmable	YES	



## LIGHT ENGINE

### WHITE 24V

SPECTRUM	KELVINS	POWER					
		4.8w/m	1.5W/ft	9.6w/m	2.92W/ft	14.4w/m	4.38W/ft
820/822/825/827/830/	CRI 80+	269-417 lm/m		549-827		831-1229	
835/840/850/865	2000-6500K	82-127 lm/ft		167-252		253-374	
920/922/925/T927/T930/	CRI 90+tri	233-421 lm/m		460-835		682-1243	
T935/T940/T950/T965	2000-6500K	71-128 lm/ft		140-254		207-378	
Cutting step: 125 mm	EFFICACY	79 lm/w		80 lm/w		80 lm/w	
	MAX RUN	13m 43'		9m 30'		7m 23'	

### WHITE 48V

SPECTRUM	KELVINS	POWER					
		4.8w/m	1.5W/ft	9.6w/m	2.92W/ft	14.4w/m	4.38W/ft
820/822/825/827/830/	CRI 80+	269-417 lm/m		549-827		831-1229	
835/840/850/865	2000-6500K	82-127 lm/ft		167-252		253-374	
920/922/925/T927/T930/	CRI 90+tri	233-421 lm/m		460-835		682-1243	
T935/T940/T950/T965	2000-6500K	71-128 lm/ft		140-254		207-378	
Cutting step: 125 mm	EFFICACY	79 lm/w		80 lm/w		80 lm/w	
	MAX RUN	35.5m 107'		17.5m 57'		14m 46'	

### TUNABLE

SPECTRUM	KELVINS	POWER	
		9.6 W/m	2.9 W/ft
Any combination within	CRI 80+	736 lm/m	
this range 820-865	2000-6500K	224 lm/ft	
Cutting step: 125 mm	EFFICACY	77 lm/w	
	MAX RUN	4.5m 15'	

### RGB

SPECTRUM	COLOR	POWER			
		7.2w/m	2.2W/ft	11.52W/m	3.5W/ft
RGB	Total	173 lm/m	53 lm/ft	263	80
Cutting step: 125 mm	EFFICACY	24 lm/w		23 lm/w	
	MAX RUN	9m 30'		9.5m 31'	

## Innovations

The second-generation Atlantis, at 14 × 16 mm, is sleeker yet maintains the benefits of its predecessor. It features added side grooves for simpler installation, an improved endcap for easier unit connection, redesigned mounting clips for secure mounting, and is waterproof and dust resistant due to better materials. Both Top and Side models are the same size, enabling vertical and horizontal bends in one continuous line.



# ACCESSORIES

## 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 extension
CON-HI-IP-3M/3F LXXX	3-pin extension
CON-HI-IP-4M/4F LXXX	4-pin extension
CON-HI-IP-5M/5F LXXX	5-pin extension



M F

## PLUG CONNECTORS

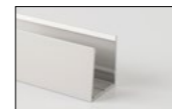
CODE	DESCRIPTION
CON-HI-IP-2M LXXX	2-pin plug
CON-HI-IP-3M LXXX	3-pin plug
CON-HI-IP-4M LXXX	4-pin plug
CON-HI-IP-5M LXXX	5-pin plug



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

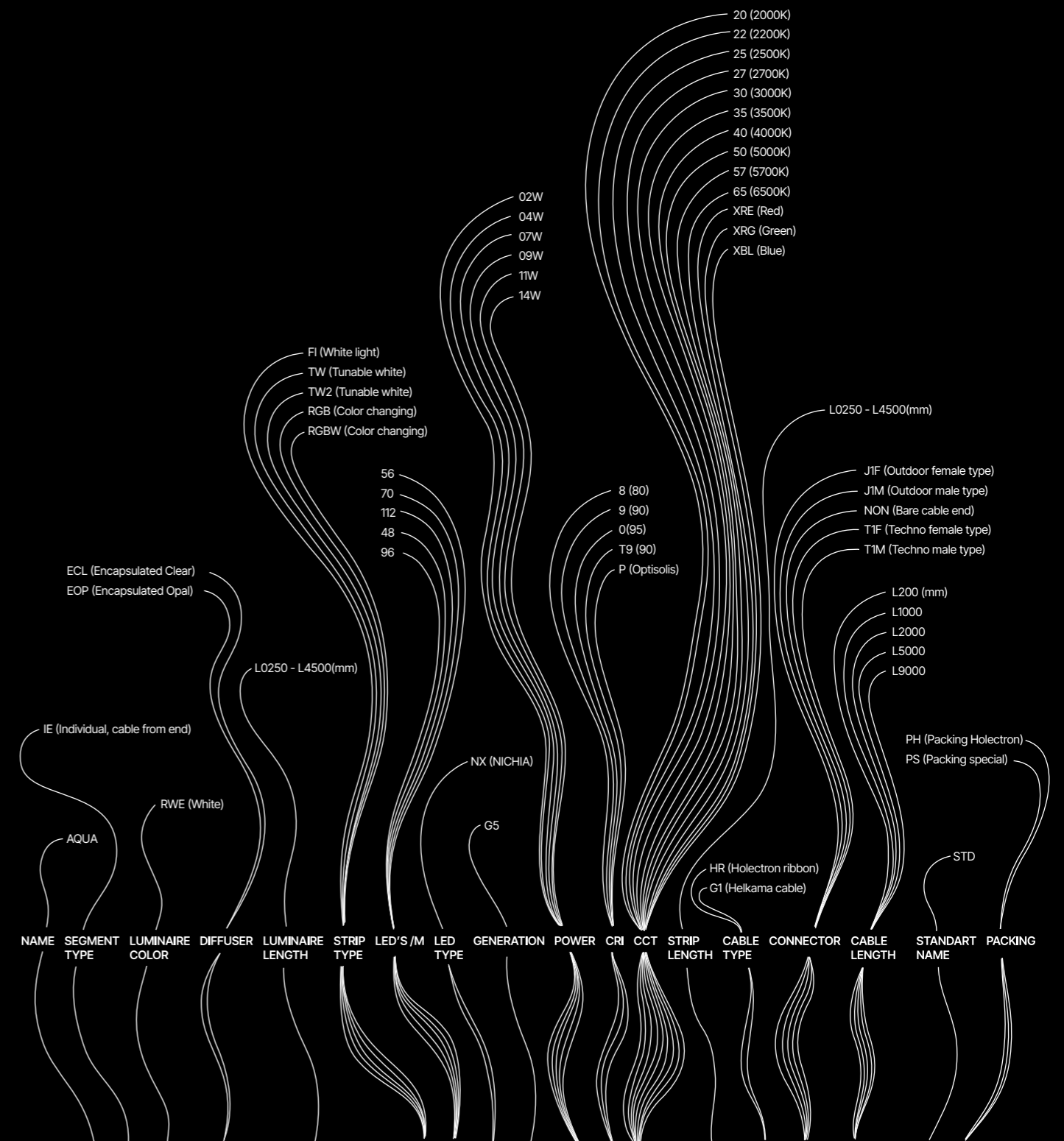
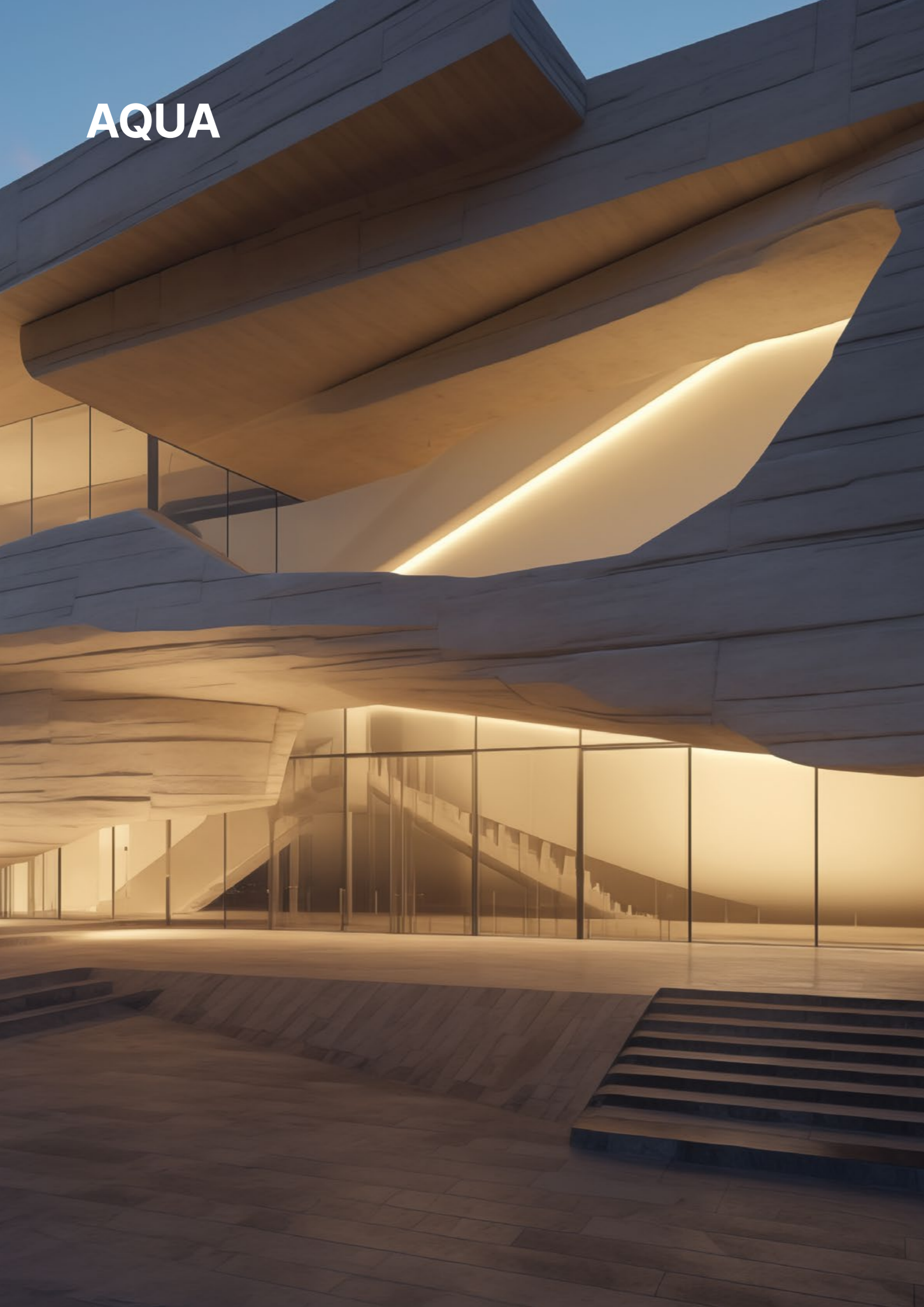


## WIRE LENGTHS AVAILABLE

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



# AQUA



**Aqua IE RWE.ECL L01020(3'5")/ FL56/NN G5 09W 920 L02600 HR J1x L0200 STD PH**

ORDER CODE EXAMPLE

# AQUA

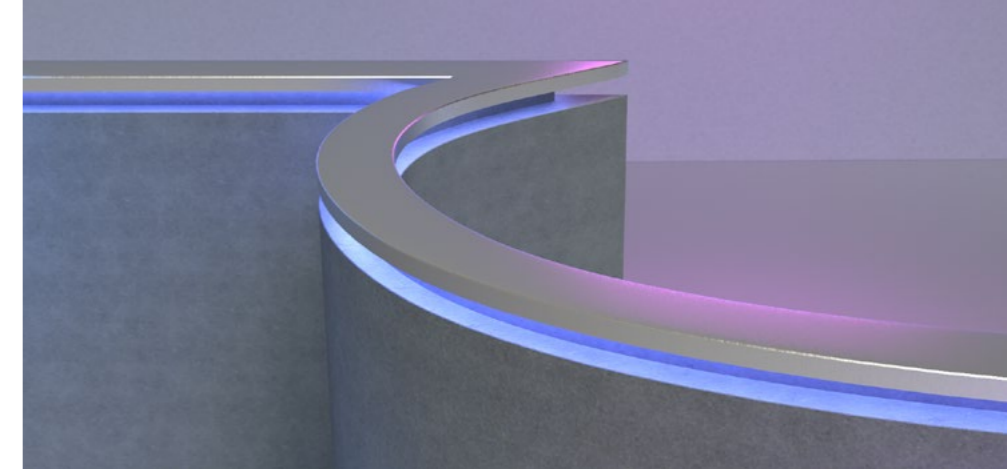


## Wraps around one's little finger. Literally.

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.



12 mm (0.47 in)

BEND TYPE: TOP. R = 10CM (3,93 IN)



### TECHNICAL DATA

LEDs per meter	56 LEDs/m	17 LEDs/ft
Voltage	24 VDC (22.5 - 25 VDC), 48 VDC	
Cutting step	125 mm	4.92 in
Height	4 mm	0.15 in
Width	12 mm	0.47 in
Bend radius	Rmin=10cm	Rmin = 3.94 in
Light output ratio (LOR)	80%	
TC temperature	<75° C	<167° F
Operating temperature	-25°C...+50°C	-13°F...122°F
Beam angle	112°	
Dimmable	YES	



### LIGHT ENGINE

#### WHITE 24V

SPECTRUM	KELVINS	POWER							
		2.4 W/m	0.73 W/ft	4.8 W/m	1.46 W/ft	9.6 W/m	2.92 W/m	14.4 W/m	4.38 W/ft
820/822/825/827/830/	CRI 80+	197-306 lm/m		403-606		806-1213		1219-1803	
835/840/850/865	2000-6500K	60-93 lm/ft		123-185		245-369		371-549	
920/922/925/T927/T930/	CRI 90+tri	170-298 lm/m		338-591		676-1182		1000-1760	
T935/T940/T950/T965	2000-6500K	52-91 lm/ft		103-180		206-360		305-536	
027/030/035/040/050	CRI 95+	197-223 lm/m		391-442		782-885		1160-1316	
	2700-5000K	60-68 lm/ft		119-135		238-269		353-401	
Cutting step: 125 mm	EFFICACY	104 lm/w		105 lm/w		105 lm/w		105 lm/w	
	MAX RUN	18.5m 61'		13m 43'		9m 30'		7m 23'	

#### WHITE 48V

SPECTRUM	KELVINS	POWER							
		2.4 W/m	0.73 W/ft	4.8 W/m	1.46 W/ft	9.6 W/m	2.92 W/m	14.4 W/m	4.38 W/ft
820/822/825/827/830/	CRI 80+	-		394-612 lm/m		806-1213		-	
835/840/850/865	2000-6500K	-		120-186 lm/ft		245-369		-	
920/922/925/T927/T930/	CRI 90+tri	-		342-596 lm/m		676-1182		-	
T935/T940/T950/T965	2000-6500K	-		104-181 lm/ft		206-360		-	
027/030/035/040/050	CRI 95+	-		395-446 lm/m		782-885		-	
	2700-5000K	-		120-136 lm/ft		238-269		-	
Cutting step: 125 mm	EFFICACY	-		105 lm/w		105 lm/w		-	
	MAX RUN	-		32.5m 107'		22.5m 74'		-	

#### TUNABLE

SPECTRUM	KELVINS	POWER	
		9.6 W/m	2.9 W/ft
Any combination within this range 820-865	CRI 80+	812-1023 lm/m	
	2000-6500K	257-312 lm/ft	
Any combination within this range 920-T965	CRI 90+tri	658-1064 lm/m	
	2000-6500K	200-324 lm/ft	
Any combination within this range 020-065	CRI 95+	658-1064 lm/m	
	2000-5000K	200-324 lm/ft	
Cutting step: 125 mm	EFFICACY	111 lm/w	
	MAX RUN	8m 26'	

#### RGB

SPECTRUM	COLOR	POWER					
		7.2W/m	2.2W/ft	11.52W/m	3.5W/ft	14.4W/m	4.4W/ft
RGB	Total	254 lm/m	77 lm/ft	385	117	483	147
Cutting step: 125 mm	EFFICACY	35 lm/w		34 lm/w		34	
	MAX RUN	9m 30'		6.5m 21'		8m 26'	

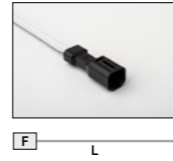
Disclaimer: Technical data is subject to change without prior notice. Tolerances of +-5% in luminous flux and light color should be accepted.



# ACCESSORIES

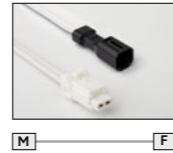
## SOCKET CONNECTORS

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



## SOCKET/PLUG CONNECTORS

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



## 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



## 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

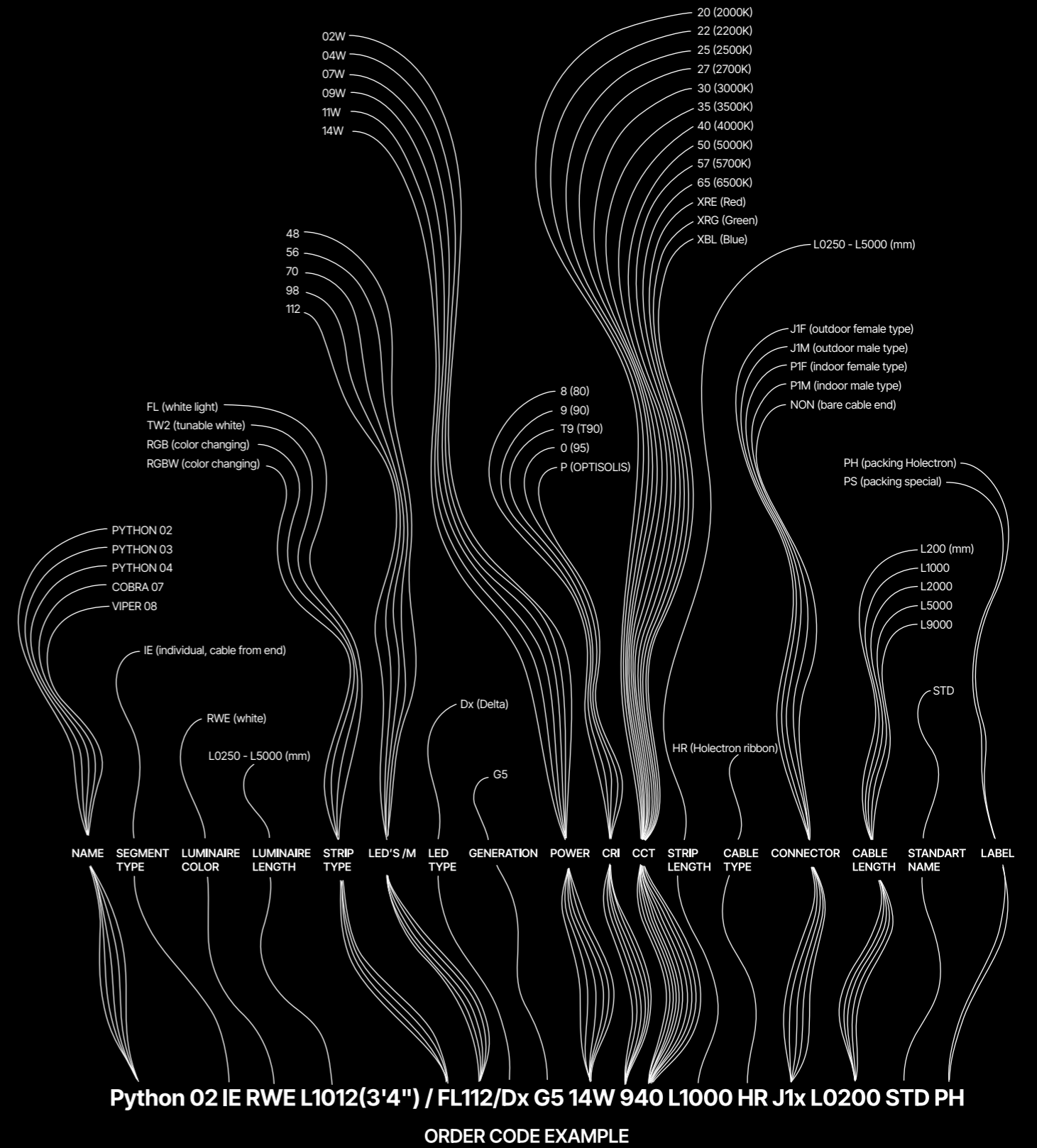


# SLEEVES

LED strips sleeves are designed for decorative, ambient and indirect lighting applications.

The virtually unlimited length of sleeves and individual segment junctions invisible to the user means that these products are an excellent decorative solutions for large rooms, hallways, etc.

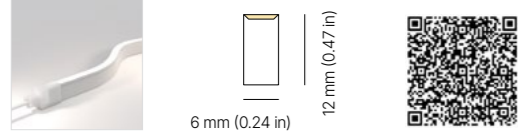
The sleeves are securely sealed from dust, water and offer a wide selection of wiring options. They are also resistant to ambient temperature changes.



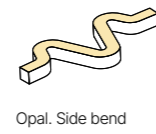
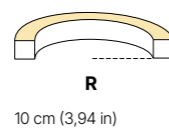


# SLEEVES

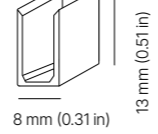
## PYTHON 02



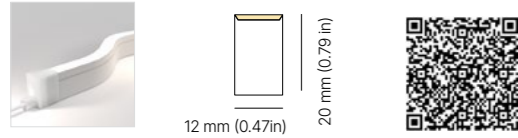
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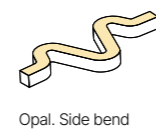
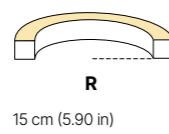
### BRACKETS



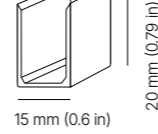
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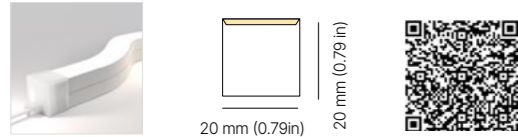
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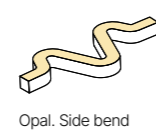
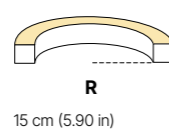
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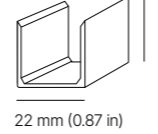
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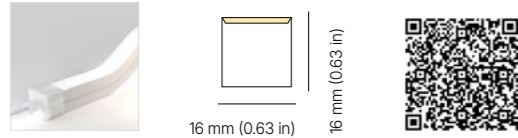
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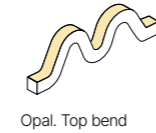
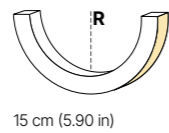
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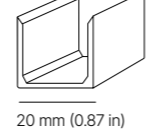
## COBRA 07



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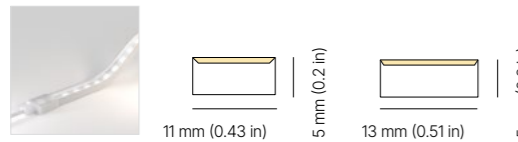
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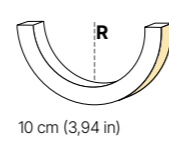
## VIPER

### VIPER-08

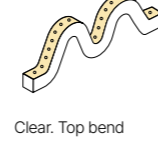
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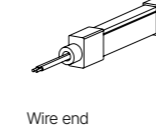
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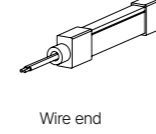
### BRACKETS



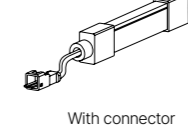
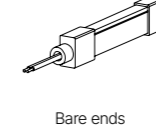
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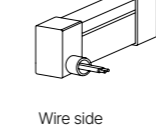
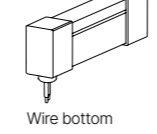
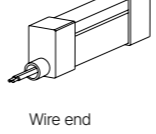
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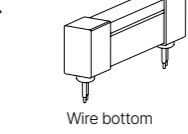
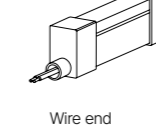
### WIRE ENDS



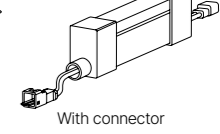
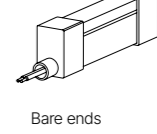
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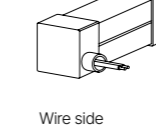
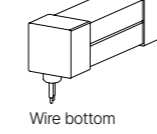
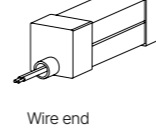
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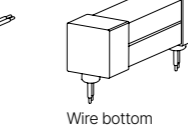
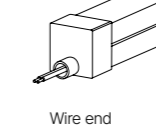
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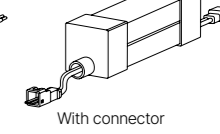
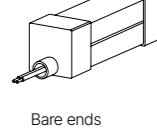
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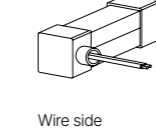
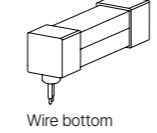
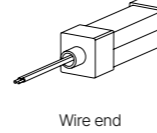
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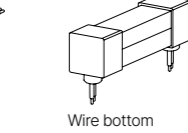
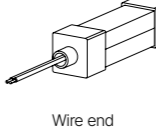
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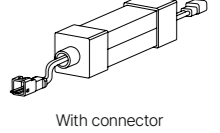
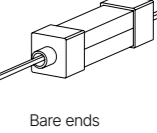
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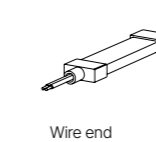
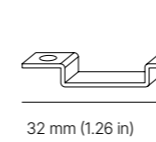
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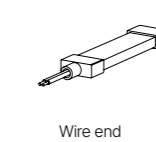
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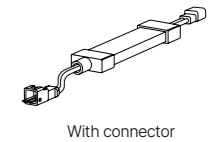
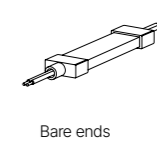
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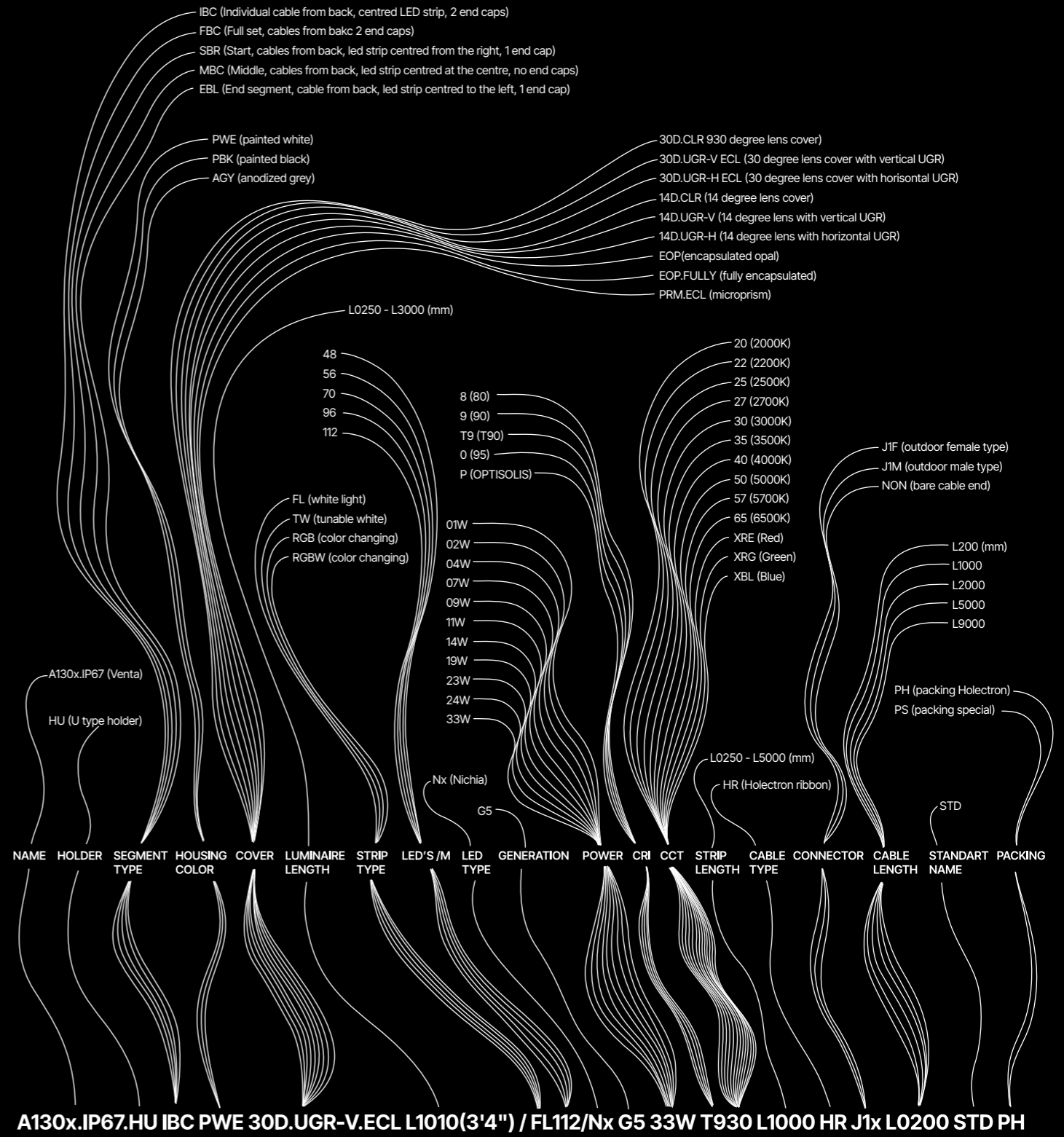
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### WIRE ENDS



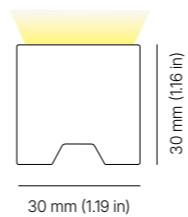
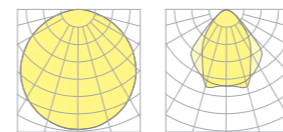
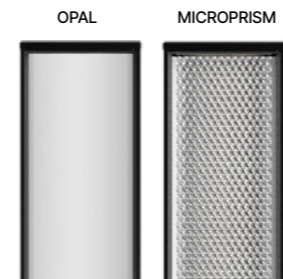
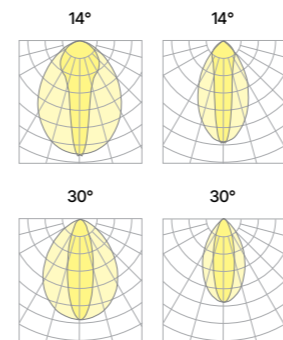
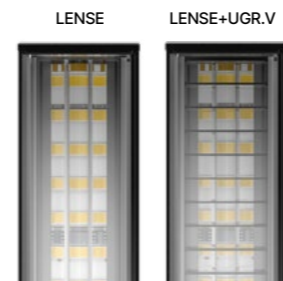
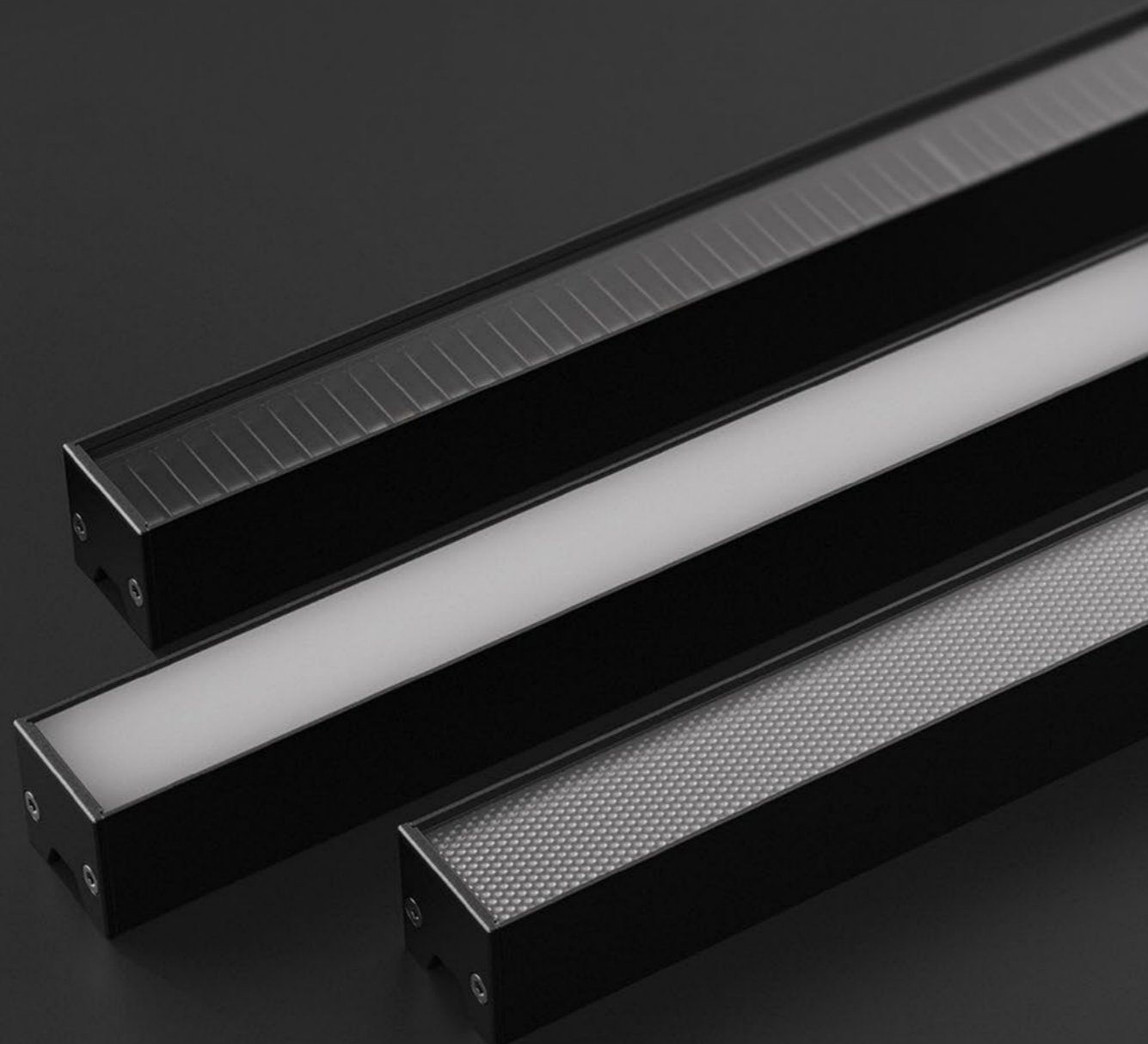
# VENTA IP67



**A130x.IP67.HU IBC PWE 30D.UGR-V.ECL L1010(3'4") / FL112/Nx G5 33W T930 L1000 HR J1x L0200 STD PH**

**ORDER CODE EXAMPLE**

# Venta IP67



## TECHNICAL DETAILS

Housing	Powder coated extruded aluminum
LEDs	Nichia 3-step MacAdam
LED lumen maintenance	L90B10 > 60.000 h
Electrical	220 -240 VAC, Integrated driver 110-277 VAC, Integrated driver ( for 0-10V)
Fix rotation angle	Up to 200°
Lead cable (for pendant)	Transparent, lenght - 2 m <span style="float: right;">6.56'</span>

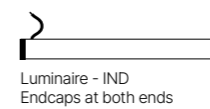


## SELECTABLE FEATURES

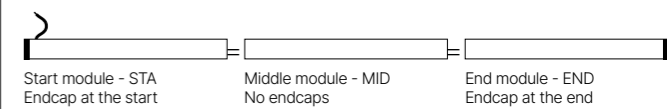
Light diffuser	Lense 30D, Lense 30D + UGR, Lense 14D, Lense 14D + UGR, Microprism, Opal
Housing color	● Black, ○ White, ● Grey, ● Custom
CRI	Ra80+, Ra90+, Ra95+
CCT	2000K, 2200K, 2500K, 2700K, 3000K, 3500K, 4000K, 5000K, 5700K, 6500K, 2700-6500K (tunable white), RGB, 2700-6500K RGBW
Light output (Direct Only)	Up to 19W/m (5.9W/ft)
Efficacy	Microprism 109-112 Lm/W, Opal 105-110 Lm/W ;up to 130 lm/W
Length, mm, ft	Minimum length 500mm (19.68in) - maximum length - 3000mm (118.11in)
Control	Control sold separately; DALI, Casambi, 1- 10V, Phase Cut

## SEGMENT TYPE

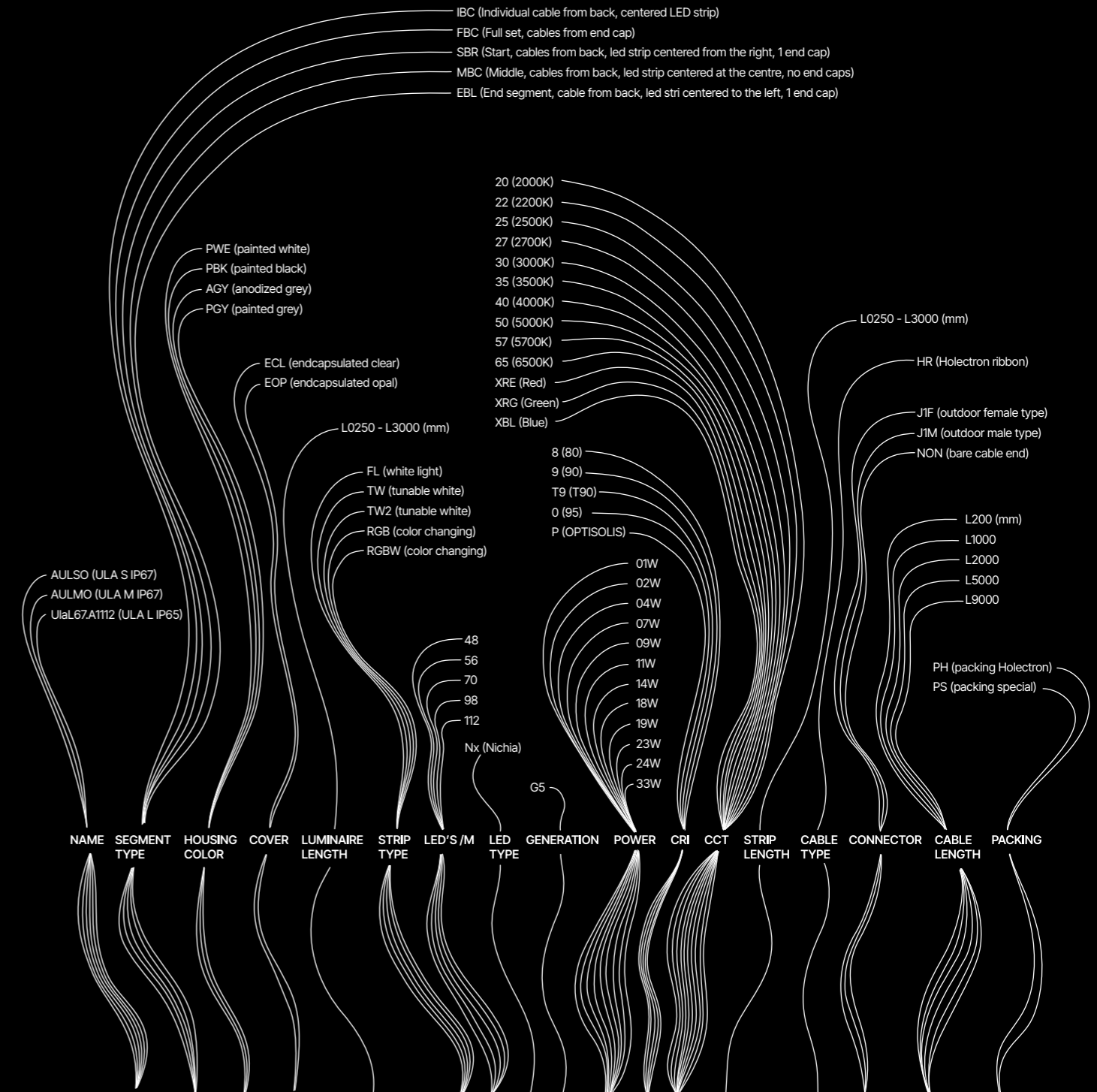
### INDIVIDUAL LUMINAIRE



### CONTINUOUS LINE MODULES



# ULA IP67



**AULMO IBC AGY EOP L1006(3'4") / FL112/Nx G5 14W T930 L1000 NC / HR.J1X.L00030 / PH**

**ORDER CODE EXAMPLE**

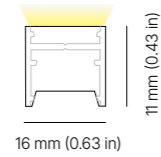


## Ula S IP67 - Clear

### TECHNICAL DATA

Cover	Clear (available on request)	
Housing color	● Black, ○ White, ● Grey, ● Custom	
Beam angle	120°	
Connection	Input: plug; Output: socket	
Light output ratio (LOR)	66%	
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)	

### TECHNICAL DRAWING



### LIGHT ENGINE

#### WHITE

SPECTRUM	KELVINS	POWER													
		1,2 W/m	0,36 W/ft	1,92 W/m	0,58 W/ft	2,4 W/m	0,73 W/ft	4,8 W/m	1,5 W/ft	9,6 W/m	2,9 W/ft	14,4 W/m	4,4 W/ft	18,2 W/m	5,5 W/ft
820/822/825/827/830/	CRI 80+	-	-	-	-	163-253 lm/m	-	334-503	-	674-988	-	994-1455	-	1348-1976	-
835/840/850/857/865	2000-6500K	-	-	-	-	50-77 lm/ft	-	102-153	-	205-301	-	303-443	-	410-602	-
920/922/925/927/930/	CRI 90+tri	-	-	-	-	114-247 lm/m	-	280-490	-	546-964	-	798-1423	-	1092-1930	-
T935/T940/T950/T957/T965	2000-6500K	-	-	-	-	35-75 lm/ft	-	85-149	-	166-294	-	243-433	-	333-458	-
027/030/035/040/050	CRI 95+	-	-	-	-	163-185 lm/m	-	324-367	-	634-720	-	926-1054	-	1267-1440	-
	2700-5000K	-	-	-	-	50-56 lm/ft	-	99-112	-	193-219	-	282-321	-	386-438	-
Cutting step: 125 mm	EFFICACY			68 lm/w		70 lm/w		70 lm/w		69 lm/w		70 lm/w			
	MAX RUN			18,5 m 61'		13 m 43'		9 m 30'		7 m 23'		5,5 m 18'			

#### TUNABLE

SPECTRUM	KELVINS	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
Any combination within this range 827 - 865	CRI 80+	-	-	791-810 lm/m	-	-	-	-	-	-	-	-	-	-	-	-	-
Any combination within this range 920 - T965	2000-6500K	-	-	241-247 lm/ft	-	-	-	-	-	-	-	-	-	-	-	-	-
Any combination within this range 020 - 065	CRI 90+tri	-	-	654-682 lm/m	-	-	-	-	-	-	-	-	-	-	-	-	-
Any combination within this range 020 - 065	2000-6500K	-	-	199-208 lm/ft	-	-	-	-	-	-	-	-	-	-	-	-	-
Cutting step: 125 mm	CRI 95+	-	-	618-646 lm/m	-	-	-	-	-	-	-	-	-	-	-	-	-
	2000-6500K	-	-	188-197 lm/ft	-	-	-	-	-	-	-	-	-	-	-	-	-
Cutting step: 125 mm	EFFICACY			99 lm/w													
	MAX RUN			6,5 m 21'													

Custom color temperatures ranges available on request.

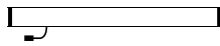
#### RGB

SPECTRUM	COLOR	POWER											
		4,8 W/m	1,5 W/ft	7,2 W/m	2,2 W/ft	11,52 W/m	3,5 W/ft	14,4 W/m	4,4 W/ft	23 W/m	7 W/ft	28,8 W/m	8,8 W/ft
RGB	TOTAL	-	-	201 lm/m	61 lm/ft	306	93	382	116	613	187	-	-
Cutting step: 125 mm	EFFICACY			28 lm/w		27 lm/w		27 lm/w		27 lm/w			
	MAX RUN			9 m 30'		6,5 m 21'		8 m 26'		5,5 m 18'			

### SEGMENT TYPES

#### STANDALONE

Luminaire  
Endcaps at both ends



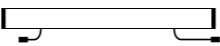
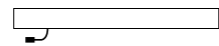
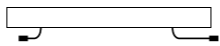
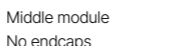
#### CONTINUOUS LINE

Start module  
Endcap at the start

Middle module  
No endcaps

End module  
Endcap at the end

Full module  
Endcaps at both ends



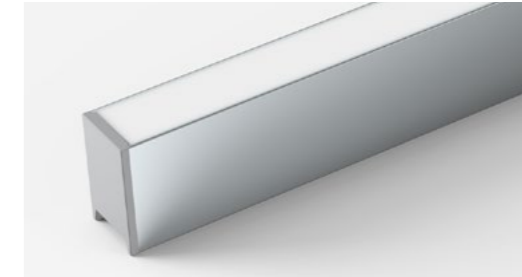
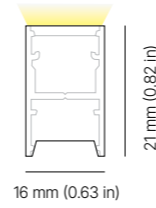
## Ula M IP67 - Opal



### TECHNICAL DATA

Cover	Opal PUR (available on request)	
Housing color	● Black, ○ White, ● Grey, ● Custom	
Beam angle	120°	
Connection	Input: plug; Output: socket	
Light output ratio (LOR)	29%	
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)	

### TECHNICAL DRAWING



### LIGHT ENGINE

#### WHITE

SPECTRUM	KELVINS	POWER															
		1,2 W/m	0,36 W/ft	1,92 W/m	0,58 W/ft	2,4 W/m	0,73 W/ft	4,8 W/m	1,5 W/ft	9,6 W/m	2,9 W/ft	14,4 W/m	4,4 W/ft	18,2 W/m	5,5 W/ft	19,2 W/m	5,9 W/ft
820/822/825/827/830/	CRI 80+	-	-	-	-	71-114 lm/m	-	145-226	-	293-445	-	432-656	-	537-819	-	586-890	-
835/840/850/857/865	2000-6500K	-	-	-	-	22-35 lm/ft	-	44-69	-	89-135	-	132-200	-	164-249	-	178-271	-
920/922/925/927/930/	CRI 90+tri	-	-	-	-	61-111 lm/m	-	122-221	-	237-435	-	347-641	-	430-802	-	475-869	-
T935/T940/T950/T957/T965	2000-6500K	-	-	-	-	19-34 lm/ft	-	37-67	-	72-132	-	106-195	-	131-244	-	145-265	-
027/030/035/040/050	CRI 95+	-	-	-	-	71-80 lm/m	-	141-159	-	275-313	-	402-458	-	500-570	-	551-626	-
	2700-5000K	-	-	-	-	22-24 lm/ft	-	43-48	-	84-95	-	122-139	-	152-174	-	168-190	-
Cutting step: 125 mm	EFFICACY			46 lm/w		46 lm/w		45 lm/w		45 lm/w		45 lm/w		44 lm/w		45 lm/w	
	MAX RUN			18,5m 61'		13m 43'		7,5m 25'		7m 23'		5m 16'		5,5m 18'			

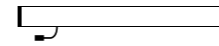
#### RGB

SPECTRUM	COLOR	POWER							
		7,2 W/m	2,2 W/ft	11,52 W/m	3,5 W/ft	14,4 W/m	4,4 W/ft	23 W/m	7 W/ft
RGB	TOTAL	143	44	216	66	271	83	434	132
Cutting step: 125 mm	EFFICACY	20 lm/w		19 lm/w		19 lm/w		19 lm/w	
	MAX RUN	9m 30'		6,5m 21'		8m 26'		5,5m 18'	

### SEGMENT TYPES

#### STANDALONE

Luminaire  
Endcaps at both ends



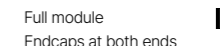
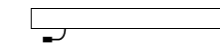
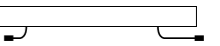
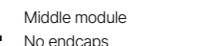
#### CONTINUOUS LINE

Start module  
Endcap at the start

Middle module  
No endcaps

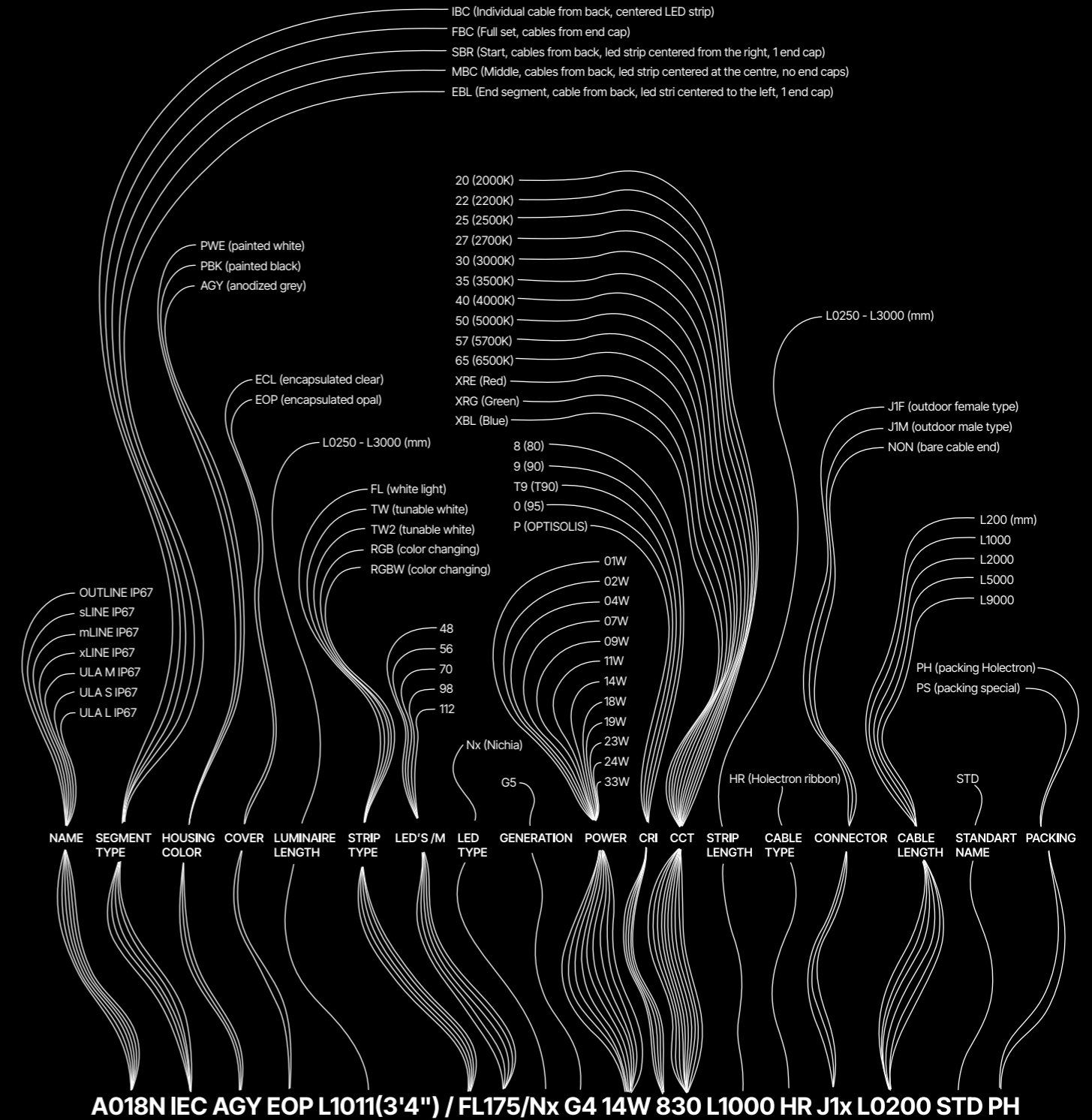
End module  
Endcap at the end

Full module  
Endcaps at both ends





# OUTDOOR LINES

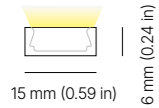


**A018N IEC AGY EOP L1011(3'4") / FL175/Nx G4 14W 830 L1000 HR J1x L0200 STD PH**

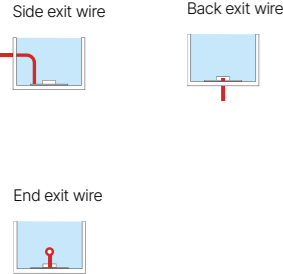
**ORDER CODE EXAMPLE**



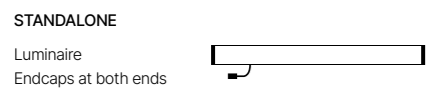
TECHNICAL DRAWING



CONNECTION TYPES



SEGMENT TYPES



# OUTLINE IP67

TECHNICAL DATA

Cover	Clear / Opal (available on request)	
Housing colors	● Black, ○ White, ● Grey, ● Custom	
Light engine	Any LED strip up to 24 W/m	
Beam angle	108°	
Connection	Input: 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)	

LIGHT ENGINE

SPECTRUM	KELVINS	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
820/822/825/827/830/	CRI 80+	323-504 lm/m		643-979		1007-1415	
835/840/850/857/865	2000-6500K	65-153lm/ft		196-298		307-431	
920/922/925/927/930/	CRI 90+	292-434 lm/m		564-844		808-1213	
935/940/950/957/965	2000-6500K	82-132 lm/ft		172-257		246-369	
027/030/035/040/050	CRI 95+	328-347 lm/m		610-696		863-989	
	2700-5000K	100-106 lm/ft		186-121		263-301	
Cutting step: 125 mm	EFFICACY	105 lm/w		102 lm/w		98 lm/w	
	MAX RUN	10 m 33'		5 m 16'		4 m 13'	

TUNABLE

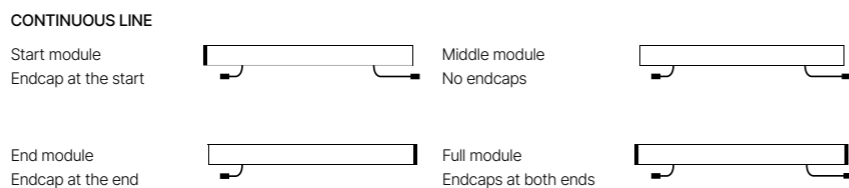
SPECTRUM	KELVINS	POWER					
		4,8 W/m	1,5 W/ft	9,6 W/m	2,9 W/ft	14,4 W/m	4,4 W/ft
820/865 825/857	CRI 80+	-		496-602 lm/m		-	
827/857 827/850	2000-6500K	-		151-183 lm/ft		-	
920/965 925/957	CRI 90+	-		423-519 lm/m		-	
927/950	2000-6500K	-		129-158 lm/ft		-	
Cutting step: 125 mm	EFFICACY			54 lm/w			
	MAX RUN			8,5 m 27'			

RGB

SPECTRUM	COLOR	POWER					
		7,2 W/m	2,2 W/ft	11,52 W/m	3,5 W/ft	14,4 W/m	4,4 W/ft
RGB	TOTAL	196	60	298	91	372	113
Cutting step: 125 mm	EFFICACY	27		26		26	
	MAX RUN	9m	30'	6,5 m	21'	8 m	26'

RGBW

SPECTRUM	KELVINS	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
822 / 825 / 827 / 830	CRI 80+	-		336-398 lm/m		493-580	
835 / 840 / 850 / 865	2200-6500K	-		102-121 lm/m		150-177	
922 / 927 / 930 / 935	CRI 90+	-		318-393 lm/m		461-573	
940 / 950 / 965	2200-6500K	-		97-120 lm/m		140-174	
Cutting step: 125 mm	EFFICACY	38 lm/w		37 lm/w			
	MAX RUN	8m		26'		7 m 23'	



# sLine IP67



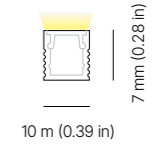
TECHNICAL DATA

Cover	Opal	
Housing colors	● Black, ○ White, ● Grey, ● Custom	
Light engine	FL-175/N4	
Beam angle	112°	
Connection	Input: plug; Output: socket	
Light output ratio (LOR)	35%	
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)	

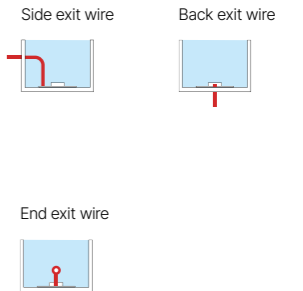
LIGHT ENGINE

SPECTRUM	KELVINS	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	5,8 W/ft
822/825/827/830/	CRI 80+	170-267		346-532		525-793		706-1051	
835/840/850/865	2000-6500K	52-81		105-162		160-241		215-320	
922/927/930/	CRI 90+	149-260		296-518		441-772		584-1025	
935/940/950/965	2000-6500K	45-79		90-158		134-235		178-312	
027/030/035/040/050	CRI 95+	172-194		343-387		511-579		677-767	
	2000-6500K	52-59		104-118		155-176		206-234	
Cutting step: 40 mm	EFFICACY	42 lm/w		42 lm/w		42 lm/w		42 lm/w	
	MAX RUN	5m	16'	2,5 m 8'		1,5 m 5'		1 m 3'	

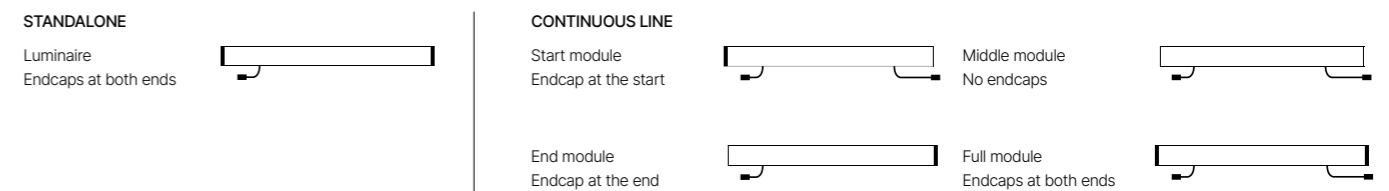
TECHNICAL DRAWING



CONNECTION TYPES



SEGMENT TYPES







# mLine IP67

## TECHNICAL DATA

Cover	Opal	
Housing colors	● Black, ○ White, ● Grey, ● Custom	
Light engine	Any LED strip up to 24W/m	
Beam angle	105°	
Connection	Input: plug; Output: socket	
Light output ratio (LOR)	25%	
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)	

## LIGHT ENGINE

### WHITE

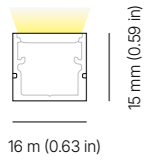
SPECTRUM	KELVINS	POWER							
		4,8 W/m	1,5 W/ft	9,6 W/m	2,9 W/ft	14,4 W/m	4,4 W/ft	19,2 W/m	5,9 W/ft
820/822/825/827/830/	CRI 80+	128-206 lm/m	259-405	384-590	516-784				
835/840/850/857/865	2000-6500K	39-63 lm/ft	79-123	117-180	157-239				
920/922/925/927/930/	CRI 90+	111-177 lm/m	217-349	315-509	417-676				
935/940/950/957/965	2000-6500K	34-54 lm/ft	66-106	96-155	127-206				
027/030/035/040/050	CRI 95+	141-159 lm/m	263-298	374-4v26	488-557				
	2700-5000K	43-48 lm/ft	80-91	114-130	148-170				
Cutting step: 62.5 mm	EFFICACY	43 lm/w	42 lm/w	41 lm/w	41 lm/w				
	MAX RUN	17,5 m 57'	11 m 35'	9 m 30'	7 m 23'				

### TUNABLE

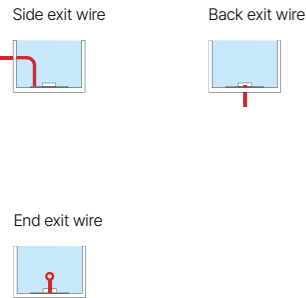
SPECTRUM	KELVINS	POWER							
		4,8 W/m	1,5 W/ft	9,6 W/m	2,9 W/ft	14,4 W/m	4,4 W/ft	19,2 W/m	5,9 W/ft
820/865 825/857	CRI 80+	-	316-381 lm/m	-	634-752				
827/857 827/850	2000-6500K	-	96-116 lm/ft	-	193-229				
920/965 925/957	CRI 90+	-	272-334 lm/m	-	529-651				
927/950	2000-6500K	-	83-102 lm/ft	-	161-198				
Cutting step: 100 mm	EFFICACY		35 lm/w		34 lm/w				
	MAX RUN		9 m 30'		5,5 m 18'				



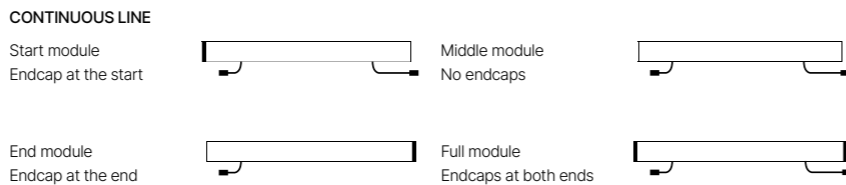
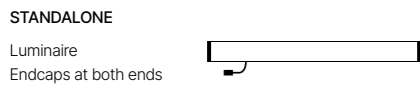
## TECHNICAL DRAWING



## CONNECTION TYPES



## SEGMENT TYPES



# xLine IP67



## TECHNICAL DATA

Cover	Opal	
Housing colors	● Black, ○ White, ● Grey, ● Custom	
Light engine	Any LED strip up to 24 W/m	
Beam angle	113°	
Connection	Input: plug; Output: socket	
Light output ratio (LOR)	20%	
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)	

## LIGHT ENGINE

### WHITE

SPECTRUM	KELVINS	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	18,2 W/m	5,5 W/ft	24 W/m
820/822/825/827/830/	CRI 80+	138-216 lm/m	275-419	398-605	522-797	635-972				
835/840/850/857/865	2000-6500K	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	2000-6500K	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				
	2700-5000K	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

SPECTRUM	KELVINS	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
820/865 825/857	CRI 80+	-	346-407 lm/m	-	679-800 lm/m	-				
827/857 827/850	2000-6500K	-	106-124 lm/ft	-	207-244 lm/m	-				
920/965 925/957	CRI 90+	-	299-351 lm/m	-	579-681 lm/m	-				
927/950	2000-6500K	-	91-107 lm/ft	-	177-208 lm/m	-				
Cutting step: 125 mm	EFFICACY		42 lm/w		42 lm/w					
	MAX RUN		8,5 m 27'		5,5 m 18'					

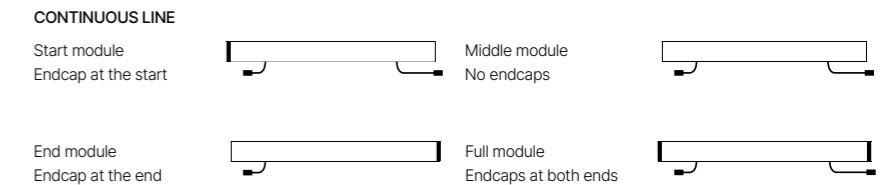
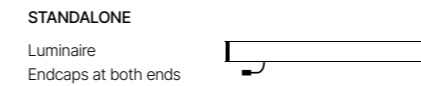
### RGB

SPECTRUM	COLOR	POWER						
		4,8 W/m	1,5 W/ft	7,2 W/m	2,2 W/ft	11,52 W/m	3,5 W/ft	14,4 W/m
RGB	TOTAL	-	63 lm/m	19 lm/ft	96	29	120	36
Cutting step: 125 mm	EFFICACY		9 lm/w		13 lm/w		17 lm/w	
	MAX RUN		9 m 30'		6,5 m 21'		8 m 26'	

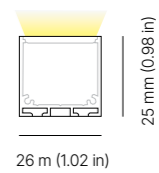
### RGBW

SPECTRUM	KELVINS	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
822 / 825 / 827 / 830	CRI 80+	109-128 lm/m	159-187	208-301	338-423			
835 / 840 / 850 / 865	2200-5000K	33-39 lm/ft	48-57	63-92	103-129			
922 / 927 / 930 / 935	CRI 90+	103-126 lm/m	149-185	218-294	290-415			
940 / 950 / 965	2200-5000K	31-38 lm/ft	45-56	66-90	88-126			
Cutting step: 125 mm	Efficacy	12 lm/w	12 lm/w	13 lm/w	15 lm/w			
	Max run	8 m 26'	7 m 23'	5,5 m 18'	5 m 16'			

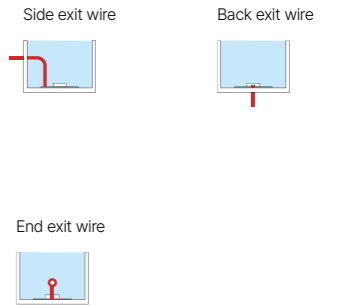
## SEGMENT TYPES



## TECHNICAL DRAWING



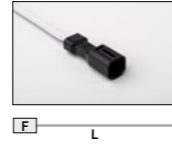
## CONNECTION TYPES



# ACCESSORIES

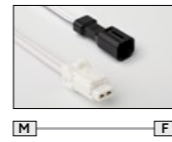
## SOCKET CONNECTORS

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 extension
CON-PH-TP-3M/3F LXXX	3-pin extension
CON-PH-TP-4M/4F LXXX	4-pin extension
CON-PH-TP-5M/5F LXXX	5-pin extension



## 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
PRG.A002x.F01.GZK	Mounting bracket (Outline / mLine)
PRG.A002x.F04.RGY	Plastic rotatable holder (Outline / mLine)mLine)
PRG.A016x.F02.RGY	Stainless steel holder (xLine)

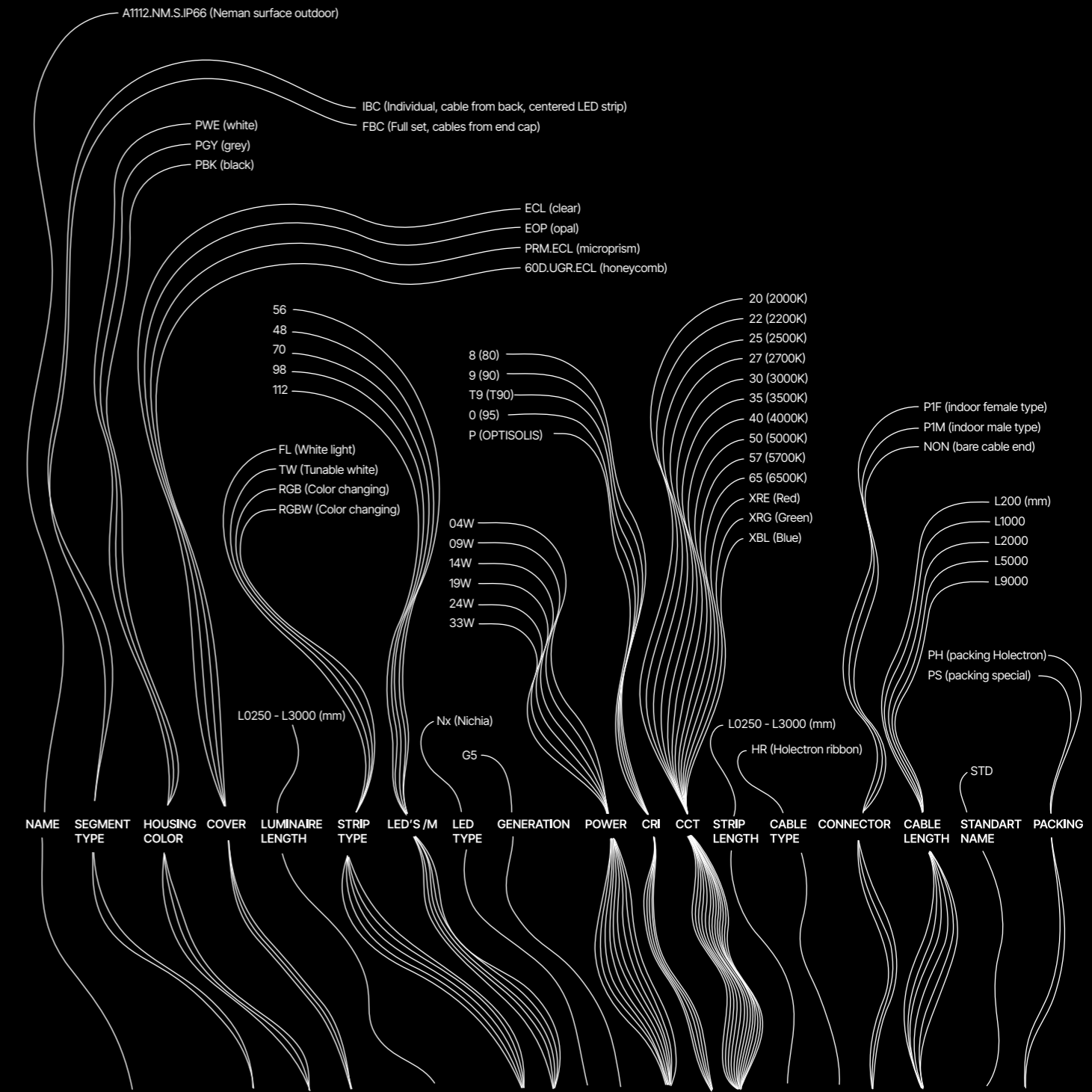


## WIRE LENGTHS AVAILABLE

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

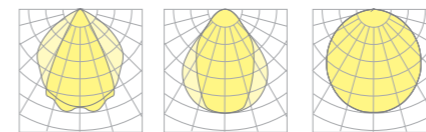
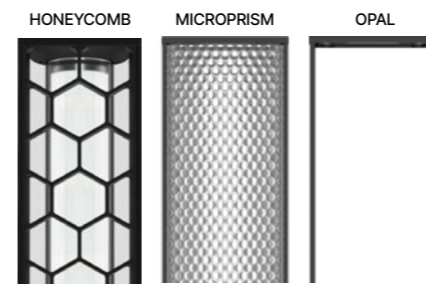
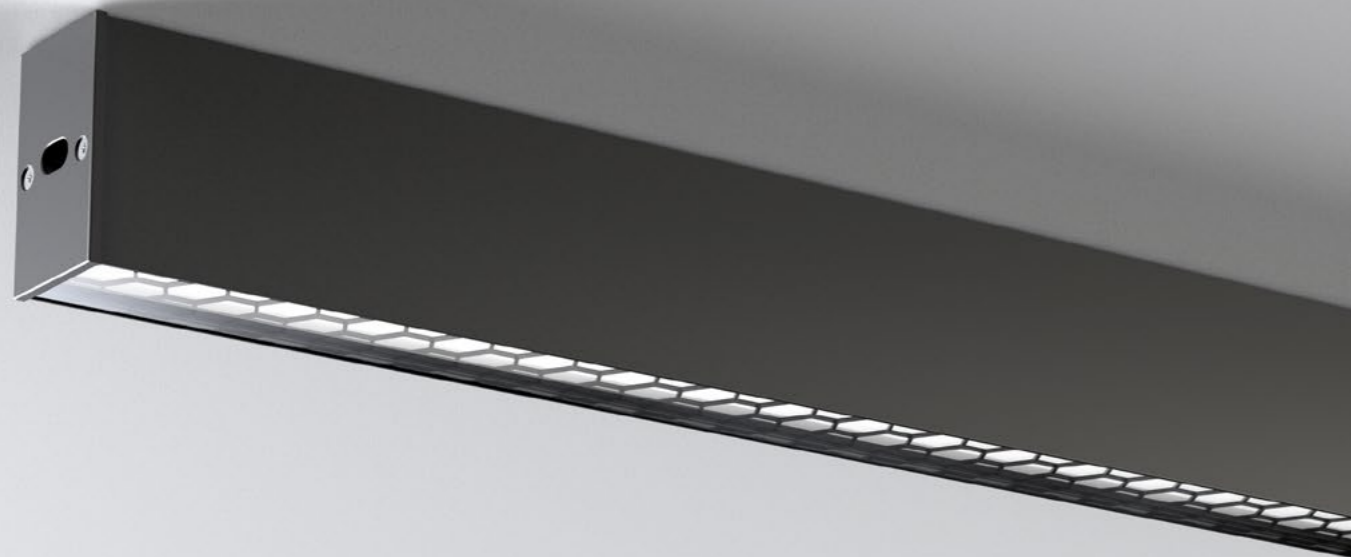


**A1112.NM.S.IP66 IBC PWE ECL L1008(3'4") / FL112/Nx G5 33W T940 L1000 HR J1x L0200 STD PH**

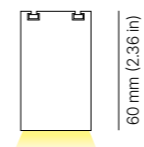
ORDER CODE EXAMPLE

NAME	SEGMENT TYPE	HOUSING COLOR	COVER	LUMINAIRE LENGTH	STRIP TYPE	LED'S /M	LED TYPE	GENERATION	POWER	CRI	CCT	STRIP LENGTH	CABLE TYPE	CONNECTOR	CABLE LENGTH	STANDART NAME	PACKING
A1112.NM.S.IP66	IBC	PWE	ECL	L1008(3'4")	FL112	Nx	G5	33W	T940	L1000	HR	J1x	L0200	STD	PH		

# Neman IP66 Honeycomb / Prism / Opal

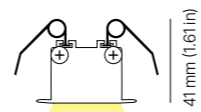


### SURFACE



34 mm (1.34 in)

### RECESSED



48 mm (1.89 in)



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



### TECHNICAL DETAILS

Housing	Powder coated extruded aluminum
LEDs	Nichia 3-step MacAdam
LED lumen maintenance	L90B10 > 60.000 h
Electrical	24 VDC, driver can be hidden inside luminaire

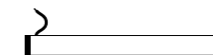


### SELECTABLE FEATURES

Honeycomb light diffuser color	● Black, ● Silver, ● Gold
Housing color	● Black, ○ White, ● Grey, ● Custom
CRI	Ra80+, Ra90+, Ra95+
CCT	2000K, 2200K, 2700K, 3000K, 3500K, 4000K, 5000K, 5700K, 6500K, 2700-6500K (tunable white), RGB, RGBW
Efficacy	108-113 Lm/W, (17-32 Lm/W RGBW)
Length, mm, ft	L250, L500, L750, L1000, L1250, L1500, L1750, L2000, L2250, L2500, L2750, L3000 0.9ft, 1.7ft, 2.5ft, 3.3ft, 4.1ft, 4.9ft, 5.9ft, 6.7ft, 7.5ft, 8.2ft, 9ft, 9.8
Control	Fixed output, DALI, PushDim, 0-10V

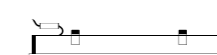
### SEGMENT TYPE

SURFACE INDIVIDUAL LUMINAIRE



Luminaire - IND  
Endcaps at both ends

RECESSED INDIVIDUAL LUMINAIRE



Luminaire - IND  
Endcaps at both ends

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