

## Architape Pro 100 48 V

### Flexible white LED strips



A powerful, long-term solution for a wide range of professional lighting applications including direct, task and decorative lighting. These 48 V, flexible LED strips support run lengths of up to 32.5 m making them ideal for applications where longer luminaire lengths are required.

Featuring 112 NICHIA LEDs/m, they deliver a highly homogenous light output. Smart design, quality components and a highly accurate production process ensures stable operation and a long lifetime.

Excellent thermal properties are the result of a flexible copper PCB and current stabilisation system, in combination with a special double-sided thermally conductive tape which ensures perfect heat transfer to the mounting surface.

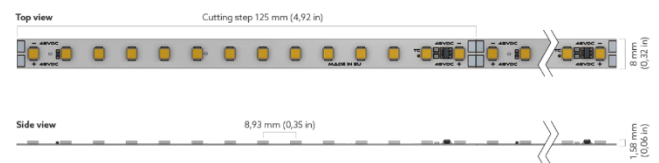
### Key features

- Wide 2000K-6500K white colour range
- High CRI Ra80+ or Ra90+ or Ra95+
- 48 V DC voltage input
  - Reverse voltage protection
  - Dimmable
- Highest quality NICHIA LED chips
  - 3 Step MacAdam or single bin LEDs
- Thick and durable copper PCB
- Stabilized current design
- Thermal conductive adhesive tape on back side for better heat conduction
- Compact 8 mm width
- Can be cut in 125 mm length segments

### Applications

- Advertising
- Backlighting
- Cove lighting
- Furniture illumination
- General LED lighting
- Linear LED lighting
- Signage

### Dimensions



**Specification**

Product	Power	Voltage	CRI	CCT	Lumen output	Efficacy	Max run
AP-100-5-N5-820-48	4.8 W/m	48 V	CRI 80+	2000K	490 Lm/m	102 Lm/W	32.5 m
AP-100-5-N5-822-48	4.8 W/m	48 V	CRI 80+	2200K	531 Lm/m	111 Lm/W	32.5 m
AP-100-5-N5-825-48	4.8 W/m	48 V	CRI 80+	2500K	581 Lm/m	121 Lm/W	32.5 m
AP-100-5-N5-827-48	4.8 W/m	48 V	CRI 80+	2700K	679 Lm/m	141 Lm/W	32.5 m
AP-100-5-N5-830-48	4.8 W/m	48 V	CRI 80+	3000K	700 Lm/m	146 Lm/W	32.5 m
AP-100-5-N5-835-48	4.8 W/m	48 V	CRI 80+	3500K	716 Lm/m	149 Lm/W	32.5 m
AP-100-5-N5-840-48	4.8 W/m	48 V	CRI 80+	4000K	718 Lm/m	150 Lm/W	32.5 m
AP-100-5-N5-850-48	4.8 W/m	48 V	CRI 80+	5000K	789 Lm/m	164 Lm/W	32.5 m
AP-100-5-N5-857-48	4.8 W/m	48 V	CRI 80+	5700K	761 Lm/m	159 Lm/W	32.5 m
AP-100-5-N5-865-48	4.8 W/m	48 V	CRI 80+	6500K	761 Lm/m	159 Lm/W	32.5 m
AP-100-5-N5-920-48	4.8 W/m	48 V	CRI 90+	2000K	425 Lm/m	89 Lm/W	32.5 m
AP-100-5-N5-922-48	4.8 W/m	48 V	CRI 90+	2200K	465 Lm/m	97 Lm/W	32.5 m
AP-100-5-N5-925-48	4.8 W/m	48 V	CRI 90+	2500K	499 Lm/m	104 Lm/W	32.5 m
AP-100-5-N5-927-48	4.8 W/m	48 V	CRI 90+	2700K	701 Lm/m	146 Lm/W	32.5 m
AP-100-5-N5-930-48	4.8 W/m	48 V	CRI 90+	3000K	737 Lm/m	154 Lm/W	32.5 m
AP-100-5-N5-935-48	4.8 W/m	48 V	CRI 90+	3500K	755 Lm/m	157 Lm/W	32.5 m
AP-100-5-N5-940-48	4.8 W/m	48 V	CRI 90+	4000K	766 Lm/m	160 Lm/W	32.5 m
AP-100-5-N5-950-48	4.8 W/m	48 V	CRI 90+	5000K	768 Lm/m	160 Lm/W	32.5 m
AP-100-5-N5-957-48	4.8 W/m	48 V	CRI 90+	5700K	741 Lm/m	154 Lm/W	32.5 m
AP-100-5-N5-965-48	4.8 W/m	48 V	CRI 90+	6500K	741 Lm/m	154 Lm/W	32.5 m
AP-100-5-N5-027-48	4.8 W/m	48 V	CRI 95+	2700K	491 Lm/m	102 Lm/W	32.5 m
AP-100-5-N5-030-48	4.8 W/m	48 V	CRI 95+	3000K	501 Lm/m	104 Lm/W	32.5 m
AP-100-5-N5-035-48	4.8 W/m	48 V	CRI 95+	3500K	512 Lm/m	107 Lm/W	32.5 m
AP-100-5-N5-040-48	4.8 W/m	48 V	CRI 95+	4000K	519 Lm/m	108 Lm/W	32.5 m
AP-100-5-N5-050-48	4.8 W/m	48 V	CRI 95+	5000K	554 Lm/m	115 Lm/W	32.5 m

**Specification**

Product	Power	Voltage	CRI	CCT	Lumen output	Efficacy	Max run
AP-100-10-N5-820-48	9.6 W/m	48 V	CRI 80+	2000K	1002 Lm/m	104 Lm/W	22.5 m
AP-100-10-N5-822-48	9.6 W/m	48 V	CRI 80+	2200K	1084 Lm/m	113 Lm/W	22.5 m
AP-100-10-N5-825-48	9.6 W/m	48 V	CRI 80+	2500K	1187 Lm/m	124 Lm/W	22.5 m
AP-100-10-N5-827-48	9.6 W/m	48 V	CRI 80+	2700K	1388 Lm/m	145 Lm/W	22.5 m
AP-100-10-N5-830-48	9.6 W/m	48 V	CRI 80+	3000K	1429 Lm/m	149 Lm/W	22.5 m
AP-100-10-N5-835-48	9.6 W/m	48 V	CRI 80+	3500K	1462 Lm/m	152 Lm/W	22.5 m
AP-100-10-N5-840-48	9.6 W/m	48 V	CRI 80+	4000K	1466 Lm/m	153 Lm/W	22.5 m
AP-100-10-N5-850-48	9.6 W/m	48 V	CRI 80+	5000K	1563 Lm/m	163 Lm/W	22.5 m
AP-100-10-N5-857-48	9.6 W/m	48 V	CRI 80+	5700K	1508 Lm/m	157 Lm/W	22.5 m
AP-100-10-N5-865-48	9.6 W/m	48 V	CRI 80+	6500K	1508 Lm/m	157 Lm/W	22.5 m
AP-100-10-N5-920-48	9.6 W/m	48 V	CRI 90+	2000K	840 Lm/m	88 Lm/W	22.5 m
AP-100-10-N5-922-48	9.6 W/m	48 V	CRI 90+	2200K	908 Lm/m	95 Lm/W	22.5 m
AP-100-10-N5-925-48	9.6 W/m	48 V	CRI 90+	2500K	986 Lm/m	103 Lm/W	22.5 m
AP-100-10-N5-927-48	9.6 W/m	48 V	CRI 90+	2700K	1390 Lm/m	145 Lm/W	22.5 m
AP-100-10-N5-930-48	9.6 W/m	48 V	CRI 90+	3000K	1460 Lm/m	152 Lm/W	22.5 m
AP-100-10-N5-935-48	9.6 W/m	48 V	CRI 90+	3500K	1497 Lm/m	156 Lm/W	22.5 m
AP-100-10-N5-940-48	9.6 W/m	48 V	CRI 90+	4000K	1518 Lm/m	158 Lm/W	22.5 m
AP-100-10-N5-950-48	9.6 W/m	48 V	CRI 90+	5000K	1524 Lm/m	159 Lm/W	22.5 m
AP-100-10-N5-957-48	9.6 W/m	48 V	CRI 90+	5700K	1470 Lm/m	153 Lm/W	22.5 m
AP-100-10-N5-965-48	9.6 W/m	48 V	CRI 90+	6500K	1470 Lm/m	153 Lm/W	22.5 m
AP-100-10-N5-027-48	9.6 W/m	48 V	CRI 95+	2700K	973 Lm/m	101 Lm/W	22.5 m
AP-100-10-N5-030-48	9.6 W/m	48 V	CRI 95+	3000K	994 Lm/m	104 Lm/W	22.5 m
AP-100-10-N5-035-48	9.6 W/m	48 V	CRI 95+	3500K	1015 Lm/m	106 Lm/W	22.5 m
AP-100-10-N5-040-48	9.6 W/m	48 V	CRI 95+	4000K	1028 Lm/m	107 Lm/W	22.5 m
AP-100-10-N5-050-48	9.6 W/m	48 V	CRI 95+	5000K	1101 Lm/m	115 Lm/W	22.5 m

**Specification**

Product	Power	Voltage	CRI	CCT	Lumen output	Efficacy	Max run
AP-100-15-N5-820-48	14.4 W/m	48 V	CRI 80+	2000K	1516 Lm/m	105 Lm/W	17.5 m
AP-100-15-N5-822-48	14.4 W/m	48 V	CRI 80+	2200K	1640 Lm/m	114 Lm/W	17.5 m
AP-100-15-N5-825-48	14.4 W/m	48 V	CRI 80+	2500K	1796 Lm/m	125 Lm/W	17.5 m
AP-100-15-N5-827-48	14.4 W/m	48 V	CRI 80+	2700K	2100 Lm/m	146 Lm/W	17.5 m
AP-100-15-N5-830-48	14.4 W/m	48 V	CRI 80+	3000K	2162 Lm/m	150 Lm/W	17.5 m
AP-100-15-N5-835-48	14.4 W/m	48 V	CRI 80+	3500K	2212 Lm/m	154 Lm/W	17.5 m
AP-100-15-N5-840-48	14.4 W/m	48 V	CRI 80+	4000K	2218 Lm/m	154 Lm/W	17.5 m
AP-100-15-N5-850-48	14.4 W/m	48 V	CRI 80+	5000K	2324 Lm/m	161 Lm/W	17.5 m
AP-100-15-N5-857-48	14.4 W/m	48 V	CRI 80+	5700K	2242 Lm/m	156 Lm/W	17.5 m
AP-100-15-N5-865-48	14.4 W/m	48 V	CRI 80+	6500K	2242 Lm/m	156 Lm/W	17.5 m
AP-100-15-N5-920-48	14.4 W/m	48 V	CRI 90+	2000K	1244 Lm/m	86 Lm/W	17.5 m
AP-100-15-N5-922-48	14.4 W/m	48 V	CRI 90+	2200K	1346 Lm/m	93 Lm/W	17.5 m
AP-100-15-N5-925-48	14.4 W/m	48 V	CRI 90+	2500K	1460 Lm/m	101 Lm/W	17.5 m
AP-100-15-N5-927-48	14.4 W/m	48 V	CRI 90+	2700K	2065 Lm/m	143 Lm/W	17.5 m
AP-100-15-N5-930-48	14.4 W/m	48 V	CRI 90+	3000K	2170 Lm/m	151 Lm/W	17.5 m
AP-100-15-N5-935-48	14.4 W/m	48 V	CRI 90+	3500K	2226 Lm/m	155 Lm/W	17.5 m
AP-100-15-N5-940-48	14.4 W/m	48 V	CRI 90+	4000K	2257 Lm/m	157 Lm/W	17.5 m
AP-100-15-N5-950-48	14.4 W/m	48 V	CRI 90+	5000K	2268 Lm/m	158 Lm/W	17.5 m
AP-100-15-N5-957-48	14.4 W/m	48 V	CRI 90+	5700K	2188 Lm/m	152 Lm/W	17.5 m
AP-100-15-N5-965-48	14.4 W/m	48 V	CRI 90+	6500K	2188 Lm/m	152 Lm/W	17.5 m
AP-100-15-N5-027-48	14.4 W/m	48 V	CRI 95+	2700K	1443 Lm/m	100 Lm/W	17.5 m
AP-100-15-N5-030-48	14.4 W/m	48 V	CRI 95+	3000K	1475 Lm/m	102 Lm/W	17.5 m
AP-100-15-N5-035-48	14.4 W/m	48 V	CRI 95+	3500K	1506 Lm/m	105 Lm/W	17.5 m
AP-100-15-N5-040-48	14.4 W/m	48 V	CRI 95+	4000K	1525 Lm/m	106 Lm/W	17.5 m
AP-100-15-N5-050-48	14.4 W/m	48 V	CRI 95+	5000K	1637 Lm/m	114 Lm/W	17.5 m

**Specification**

Product	Power	Voltage	CRI	CCT	Lumen output	Efficacy	Max run
AP-100-20-N5-820-48	19.2 W/m	48 V	CRI 80+	2000K	2021 Lm/m	105 Lm/W	14 m
AP-100-20-N5-822-48	19.2 W/m	48 V	CRI 80+	2200K	2186 Lm/m	114 Lm/W	14 m
AP-100-20-N5-825-48	19.2 W/m	48 V	CRI 80+	2500K	2393 Lm/m	125 Lm/W	14 m
AP-100-20-N5-827-48	19.2 W/m	48 V	CRI 80+	2700K	2799 Lm/m	146 Lm/W	14 m
AP-100-20-N5-830-48	19.2 W/m	48 V	CRI 80+	3000K	2882 Lm/m	150 Lm/W	14 m
AP-100-20-N5-835-48	19.2 W/m	48 V	CRI 80+	3500K	2948 Lm/m	154 Lm/W	14 m
AP-100-20-N5-840-48	19.2 W/m	48 V	CRI 80+	4000K	2957 Lm/m	154 Lm/W	14 m
AP-100-20-N5-850-48	19.2 W/m	48 V	CRI 80+	5000K	3070 Lm/m	160 Lm/W	14 m
AP-100-20-N5-857-48	19.2 W/m	48 V	CRI 80+	5700K	2963 Lm/m	154 Lm/W	14 m
AP-100-20-N5-865-48	19.2 W/m	48 V	CRI 80+	6500K	2963 Lm/m	154 Lm/W	14 m
AP-100-20-N5-920-48	19.2 W/m	48 V	CRI 90+	2000K	1637 Lm/m	85 Lm/W	14 m
AP-100-20-N5-922-48	19.2 W/m	48 V	CRI 90+	2200K	1771 Lm/m	92 Lm/W	14 m
AP-100-20-N5-925-48	19.2 W/m	48 V	CRI 90+	2500K	1921 Lm/m	100 Lm/W	14 m
AP-100-20-N5-927-48	19.2 W/m	48 V	CRI 90+	2700K	2729 Lm/m	142 Lm/W	14 m
AP-100-20-N5-930-48	19.2 W/m	48 V	CRI 90+	3000K	2868 Lm/m	149 Lm/W	14 m
AP-100-20-N5-935-48	19.2 W/m	48 V	CRI 90+	3500K	2941 Lm/m	153 Lm/W	14 m
AP-100-20-N5-940-48	19.2 W/m	48 V	CRI 90+	4000K	2982 Lm/m	155 Lm/W	14 m
AP-100-20-N5-950-48	19.2 W/m	48 V	CRI 90+	5000K	2999 Lm/m	156 Lm/W	14 m
AP-100-20-N5-957-48	19.2 W/m	48 V	CRI 90+	5700K	2893 Lm/m	151 Lm/W	14 m
AP-100-20-N5-965-48	19.2 W/m	48 V	CRI 90+	6500K	2893 Lm/m	151 Lm/W	14 m
AP-100-20-N5-027-48	19.2 W/m	48 V	CRI 95+	2700K	1900 Lm/m	99 Lm/W	14 m
AP-100-20-N5-030-48	19.2 W/m	48 V	CRI 95+	3000K	1942 Lm/m	101 Lm/W	14 m
AP-100-20-N5-035-48	19.2 W/m	48 V	CRI 95+	3500K	1984 Lm/m	103 Lm/W	14 m
AP-100-20-N5-040-48	19.2 W/m	48 V	CRI 95+	4000K	2009 Lm/m	105 Lm/W	14 m
AP-100-20-N5-050-48	19.2 W/m	48 V	CRI 95+	5000K	2159 Lm/m	112 Lm/W	14 m

**Specification**

Product	Power	Voltage	CRI	CCT	Lumen output	Efficacy	Max run
AP-100-25-N5-820-48	24.0 W/m	48 V	CRI 80+	2000K	2509 Lm/m	105 Lm/W	11 m
AP-100-25-N5-822-48	24.0 W/m	48 V	CRI 80+	2200K	2715 Lm/m	113 Lm/W	11 m
AP-100-25-N5-825-48	24.0 W/m	48 V	CRI 80+	2500K	2972 Lm/m	124 Lm/W	11 m
AP-100-25-N5-827-48	24.0 W/m	48 V	CRI 80+	2700K	3476 Lm/m	145 Lm/W	11 m
AP-100-25-N5-830-48	24.0 W/m	48 V	CRI 80+	3000K	3579 Lm/m	149 Lm/W	11 m
AP-100-25-N5-835-48	24.0 W/m	48 V	CRI 80+	3500K	3662 Lm/m	153 Lm/W	11 m
AP-100-25-N5-840-48	24.0 W/m	48 V	CRI 80+	4000K	3672 Lm/m	153 Lm/W	11 m
AP-100-25-N5-850-48	24.0 W/m	48 V	CRI 80+	5000K	3804 Lm/m	159 Lm/W	11 m
AP-100-25-N5-857-48	24.0 W/m	48 V	CRI 80+	5700K	3670 Lm/m	153 Lm/W	11 m
AP-100-25-N5-865-48	24.0 W/m	48 V	CRI 80+	6500K	3670 Lm/m	153 Lm/W	11 m
AP-100-25-N5-920-48	24.0 W/m	48 V	CRI 90+	2000K	2020 Lm/m	84 Lm/W	11 m
AP-100-25-N5-922-48	24.0 W/m	48 V	CRI 90+	2200K	2185 Lm/m	91 Lm/W	11 m
AP-100-25-N5-925-48	24.0 W/m	48 V	CRI 90+	2500K	2370 Lm/m	99 Lm/W	11 m
AP-100-25-N5-927-48	24.0 W/m	48 V	CRI 90+	2700K	3381 Lm/m	141 Lm/W	11 m
AP-100-25-N5-930-48	24.0 W/m	48 V	CRI 90+	3000K	3552 Lm/m	148 Lm/W	11 m
AP-100-25-N5-935-48	24.0 W/m	48 V	CRI 90+	3500K	3643 Lm/m	152 Lm/W	11 m
AP-100-25-N5-940-48	24.0 W/m	48 V	CRI 90+	4000K	3694 Lm/m	154 Lm/W	11 m
AP-100-25-N5-950-48	24.0 W/m	48 V	CRI 90+	5000K	3717 Lm/m	155 Lm/W	11 m
AP-100-25-N5-957-48	24.0 W/m	48 V	CRI 90+	5700K	3586 Lm/m	149 Lm/W	11 m
AP-100-25-N5-965-48	24.0 W/m	48 V	CRI 90+	6500K	3586 Lm/m	149 Lm/W	11 m
AP-100-25-N5-027-48	24.0 W/m	48 V	CRI 95+	2700K	2345 Lm/m	98 Lm/W	11 m
AP-100-25-N5-030-48	24.0 W/m	48 V	CRI 95+	3000K	2396 Lm/m	100 Lm/W	11 m
AP-100-25-N5-035-48	24.0 W/m	48 V	CRI 95+	3500K	2448 Lm/m	102 Lm/W	11 m
AP-100-25-N5-040-48	24.0 W/m	48 V	CRI 95+	4000K	2478 Lm/m	103 Lm/W	11 m
AP-100-25-N5-050-48	24.0 W/m	48 V	CRI 95+	5000K	2667 Lm/m	111 Lm/W	11 m