

ARCHITECTURAL ALUMINIUM PROFILE

Architape AP02 Indoor Luminaire Series

24VDC / 48VDC

IP20

MACADAM 3-STEP

5-YEAR WARRANTY

HIGH EFFICACY NICHIA

AP02 Profile is an architectural-grade extruded aluminium profile engineered for seamless integration into joinery, coves, surface architectural accents, and ceiling details. Manufactured from high-purity 6063-T5 anodised aluminium, it delivers superior passive thermal heatsinking while ensuring dot-free light distribution with satin opal diffusers.

POWER RANGE

1.2 W/m – 24.0 W/m

LUMINOUS FLUX

19 lm/m – 2,602 lm/m

DIMENSIONS (W X H)

17.5 x 15 mm

SERVICE LIFETIME

L90B10 > 60kh



ARCHITAPE INDOOR LUMINAIRE SERIES

TESTED & CERTIFIED UNDER INTERNATIONAL STANDARDS



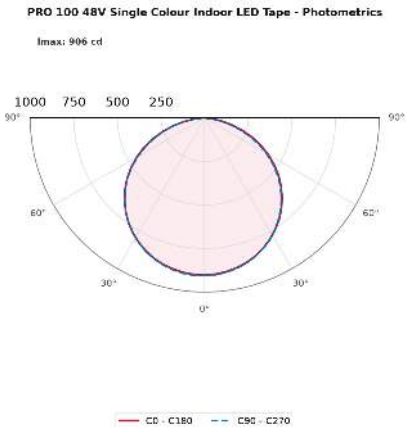
SCAN TO VIEW SERIES ONLINE

ENGINEERING, OPTICS & DIMENSIONS

ARCHITAPE AP02 INDOOR LUMINAIRE SERIES

PHOTOMETRIC DISTRIBUTION

120°



Precision optical distribution engineered for homogeneous illumination, minimal glare, and superior exterior facade grazing and accent lighting.

DIMENSIONS & PROFILE SECTION

SECTION: 17.5 X 15 MM



OUTER DIMENSIONS	17.5 x 15 mm
INGRESS PROTECTION	IP20
PROFILE MATERIAL	Extruded aluminium profile · Architectural Aluminium Profile
ENCAPSULATION / COVER	High square diffuse, High square opal, Low square diffuse, Low square opal

ELECTRICAL & SYSTEM SPECS

OPERATING VOLTAGE	24VDC / 48VDC (Constant Voltage)
AVAILABLE WATTAGES	1.2 W/m – 24.0 W/m
COLOR CONSISTENCY	MacAdam 3-Step Ellipse (SDCM ≤ 3)
DIMMING PROTOCOLS	PWM, 0-10V, DALI-2 (DT6/DT8), Casambi
OPERATING TEMP	-25°C to +50°C
MAX CASE TEMP (TC)	Tc max 75°C
WARRANTY	5-Year System Guarantee
LED EMITTERS	Nichia High-Efficiency LEDs

SPECTRAL & FINISH OPTIONS

AVAILABLE CCT	1400K, 1600K, 1800K, 2000K, 2200K, 2500K, 2700K, 3000K, 3500K, 4000K, 5000K, 5700K, 6500K, 7000K, 8000K, RGB, RGBW
COLOUR FIDELITY	CRI 80, CRI 90, CRI 95
OPTICAL COVERS	High square diffuse, High square opal, Low square diffuse, Low square opal
HOUSING COLOURS	

PART NUMBER DECODING LOGIC

[RANGE] - [TAPE] - [VOLTAGE] - [POWER] - [COLOUR] - [PROFILE] - [FINISH] - [COVER] - [EXIT] - [CABLE] - [LENGTH]

Example: AL-100-48-5-027-AP02-AL-HSD-LEC-0M2-1010

• AP02: profile • finish • High square diffuse cover • PRO 100 48V Single Colour Indoor LED Tape • 2700K • 1010 mm

INSTALLATION & CUSTOM LENGTHS

STANDARD LENGTHS	1010 mm standard · 12 tape options: PRO 100 48V Single Colour, PRO 100 RGB, PRO 100 Single Colour, PRO 100 TW, PRO 112S Single Colour, PRO 175 Single Colour, PRO 20 Single Colour, PRO 50 RGB, PRO 50 RGBW, PRO 50 Single Colour, PRO 50 TW, PRO 70 TW
CUSTOM CUTTING	Factory custom lengths down to segment pitch
CABLE ENTRY / EXITS	Side, Back, or End exit with IP67 connectors
DRIVER TYPE	Independent Class II SELV 24V / 48V

ARCHITAPE AP02 INDOOR LUMINAIRE SERIES – STANDARD MODEL DIRECTORY

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PART CODE	COVER	BEAM	POWER	CCT / COLOUR	CRI	FLUX	FINISH	DATASHEET
AL-100-48-5-030-AP02-AL-HSD-LEC-0M2-1010	High square diffuse	120°	4.8 W/m	3000K	CRI 95	351 lm	—	PDF ↗
AL-100-48-5-030-AP02-AL-HSO-LEC-0M2-1010	High square opal	120°	4.8 W/m	3000K	CRI 95	301 lm	—	PDF ↗
AL-100-48-5-030-AP02-AL-LSD-LEC-0M2-1010	Low square diffuse	120°	4.8 W/m	3000K	CRI 95	351 lm	—	PDF ↗
AL-100-48-5-030-AP02-AL-LSO-LEC-0M2-1010	Low square opal	120°	4.8 W/m	3000K	CRI 95	301 lm	—	PDF ↗
AL-100-48-10-030-AP02-AL-HSD-LEC-0M2-1010	High square diffuse	120°	9.6 W/m	3000K	CRI 95	696 lm	—	PDF ↗
AL-100-48-10-030-AP02-AL-HSO-LEC-0M2-1010	High square opal	120°	9.6 W/m	3000K	CRI 95	596 lm	—	PDF ↗
AL-100-48-10-030-AP02-AL-LSD-LEC-0M2-1010	Low square diffuse	120°	9.6 W/m	3000K	CRI 95	696 lm	—	PDF ↗
AL-100-24-12-RGB-AP02-AL-HSD-LEC-0M2-1010	High square diffuse	120°	11.5 W/m	RGB	—	335 lm	—	PDF ↗
AL-100-24-12-RGB-AP02-AL-HSO-LEC-0M2-1010	High square opal	120°	11.5 W/m	RGB	—	287 lm	—	PDF ↗
AL-100-24-12-RGB-AP02-AL-LSD-LEC-0M2-1010	Low square diffuse	120°	11.5 W/m	RGB	—	335 lm	—	PDF ↗
AL-100-24-12-RGB-AP02-AL-LSO-LEC-0M2-1010	Low square opal	120°	11.5 W/m	RGB	—	287 lm	—	PDF ↗
AL-100-24-14-RGB-AP02-AL-HSD-LEC-0M2-1010	High square diffuse	120°	14.4 W/m	RGB	—	420 lm	—	PDF ↗
AL-100-24-14-RGB-AP02-AL-HSO-LEC-0M2-1010	High square opal	120°	14.4 W/m	RGB	—	360 lm	—	PDF ↗
AL-100-24-14-RGB-AP02-AL-LSD-LEC-0M2-1010	Low square diffuse	120°	14.4 W/m	RGB	—	420 lm	—	PDF ↗
AL-100-24-5-030-AP02-AL-HSD-LEC-0M2-1010	High square diffuse	120°	4.8 W/m	3000K	CRI 95	351 lm	—	PDF ↗
AL-100-24-5-030-AP02-AL-HSO-LEC-0M2-1010	High square opal	120°	4.8 W/m	3000K	CRI 95	301 lm	—	PDF ↗
AL-100-24-5-030-AP02-AL-LSD-LEC-0M2-1010	Low square diffuse	120°	4.8 W/m	3000K	CRI 95	351 lm	—	PDF ↗
AL-100-24-5-030-AP02-AL-LSO-LEC-0M2-1010	Low square opal	120°	4.8 W/m	3000K	CRI 95	301 lm	—	PDF ↗
AL-100-24-10-030-AP02-AL-HSD-LEC-0M2-1010	High square diffuse	120°	9.6 W/m	3000K	CRI 95	696 lm	—	PDF ↗
AL-100-24-10-030-AP02-AL-HSO-LEC-0M2-1010	High square opal	120°	9.6 W/m	3000K	CRI 95	596 lm	—	PDF ↗
AL-100-24-10-030-AP02-AL-LSD-LEC-0M2-1010	Low square diffuse	120°	9.6 W/m	3000K	CRI 95	696 lm	—	PDF ↗
AL-100-24-10-82765-AP02-AL-HSD-LEC-0M2-1010	High square diffuse	120°	9.6 W/m	2700-6500K	CRI 80	940 lm	—	PDF ↗
AL-100-24-10-82765-AP02-AL-HSO-LEC-0M2-1010	High square opal	120°	9.6 W/m	2700-6500K	CRI 80	806 lm	—	PDF ↗
AL-100-24-10-82765-AP02-AL-LSD-LEC-0M2-1010	Low square diffuse	120°	9.6 W/m	2700-6500K	CRI 80	940 lm	—	PDF ↗
AL-100-24-10-82765-AP02-AL-LSO-LEC-0M2-1010	Low square opal	120°	9.6 W/m	2700-6500K	CRI 80	806 lm	—	PDF ↗
AL-100-24-19-82765-AP02-AL-HSD-LEC-0M2-1010	High square diffuse	120°	19.2 W/m	2700-6500K	CRI 80	1,865 lm	—	PDF ↗
AL-100-24-19-82765-AP02-AL-HSO-LEC-0M2-1010	High square opal	120°	19.2 W/m	2700-6500K	CRI 80	1,599 lm	—	PDF ↗
AL-100-24-19-82765-AP02-AL-LSD-LEC-0M2-1010	Low square diffuse	120°	19.2 W/m	2700-6500K	CRI 80	1,865 lm	—	PDF ↗
AL-112-24-5-030-AP02-AL-HSD-LEC-0M2-1010	High square diffuse	120°	4.8 W/m	3000K	CRI 95	351 lm	—	PDF ↗
AL-112-24-5-030-AP02-AL-HSO-LEC-0M2-1010	High square opal	120°	4.8 W/m	3000K	CRI 95	301 lm	—	PDF ↗

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PART CODE	COVER	BEAM	POWER	CCT / COLOUR	CRI	FLUX	FINISH	DATASHEET
AL-175-24-10-030-AP02-AL-HSD-LEC-0M2-1010	High square diffuse	120Å°	9.6 W/m	3000K	CRI 95	701 lm	—	PDF ↗
AL-175-24-10-030-AP02-AL-HSO-LEC-0M2-1010	High square opal	120Å°	9.6 W/m	3000K	CRI 95	601 lm	—	PDF ↗
AL-20-24-1-030-AP02-AL-HSD-LEC-0M2-1010	High square diffuse	120Å°	1.2 W/m	3000K	CRI 95	88 lm	—	PDF ↗
AL-20-24-1-030-AP02-AL-HSO-LEC-0M2-1010	High square opal	120Å°	1.2 W/m	3000K	CRI 95	75 lm	—	PDF ↗
AL-20-24-1-030-AP02-AL-LSD-LEC-0M2-1010	Low square diffuse	120Å°	1.2 W/m	3000K	CRI 95	88 lm	—	PDF ↗
AL-20-24-1-030-AP02-AL-LSO-LEC-0M2-1010	Low square opal	120Å°	1.2 W/m	3000K	CRI 95	75 lm	—	PDF ↗
AL-20-24-2-030-AP02-AL-HSD-LEC-0M2-1010	High square diffuse	120Å°	2.4 W/m	3000K	CRI 95	174 lm	—	PDF ↗
AL-20-24-2-030-AP02-AL-HSO-LEC-0M2-1010	High square opal	120Å°	2.4 W/m	3000K	CRI 95	149 lm	—	PDF ↗
AL-50-24-7-RGB-AP02-AL-HSD-LEC-0M2-1010	High square diffuse	120Å°	7.2 W/m	RGB	—	221 lm	—	PDF ↗
AL-50-24-7-RGB-AP02-AL-HSO-LEC-0M2-1010	High square opal	120Å°	7.2 W/m	RGB	—	190 lm	—	PDF ↗
AL-50-24-7-RGB-AP02-AL-LSD-LEC-0M2-1010	Low square diffuse	120Å°	7.2 W/m	RGB	—	221 lm	—	PDF ↗
AL-50-24-7-RGB-AP02-AL-LSO-LEC-0M2-1010	Low square opal	120Å°	7.2 W/m	RGB	—	190 lm	—	PDF ↗
AL-50-24-12-RGB-AP02-AL-HSD-LEC-0M2-1010	High square diffuse	120Å°	11.5 W/m	RGB	—	336 lm	—	PDF ↗
AL-50-24-12-RGB-AP02-AL-HSO-LEC-0M2-1010	High square opal	120Å°	11.5 W/m	RGB	—	288 lm	—	PDF ↗
AL-50-24-10-RGBW027-AP02-AL-HSD-LEC-0M2-1010	High square diffuse	120Å°	9.6 W/m	RGBW-2700K	—	368 lm	—	PDF ↗
AL-50-24-10-RGBW027-AP02-AL-HSO-LEC-0M2-1010	High square opal	120Å°	9.6 W/m	RGBW-2700K	—	316 lm	—	PDF ↗
AL-50-24-10-RGBW027-AP02-AL-LSD-LEC-0M2-1010	Low square diffuse	120Å°	9.6 W/m	RGBW-2700K	—	368 lm	—	PDF ↗
AL-50-24-10-RGBW027-AP02-AL-LSO-LEC-0M2-1010	Low square opal	120Å°	9.6 W/m	RGBW-2700K	—	316 lm	—	PDF ↗
AL-50-24-14-RGBW027-AP02-AL-HSD-LEC-0M2-1010	High square diffuse	120Å°	14.4 W/m	RGBW-2700K	—	535 lm	—	PDF ↗
AL-50-24-14-RGBW027-AP02-AL-HSO-LEC-0M2-1010	High square opal	120Å°	14.4 W/m	RGBW-2700K	—	458 lm	—	PDF ↗
AL-50-24-2-030-AP02-AL-HSD-LEC-0M2-1010	High square diffuse	120Å°	2.4 W/m	3000K	CRI 95	175 lm	—	PDF ↗
AL-50-24-2-030-AP02-AL-HSO-LEC-0M2-1010	High square opal	120Å°	2.4 W/m	3000K	CRI 95	150 lm	—	PDF ↗
AL-50-24-2-030-AP02-AL-LSD-LEC-0M2-1010	Low square diffuse	120Å°	2.4 W/m	3000K	CRI 95	175 lm	—	PDF ↗
AL-50-24-2-030-AP02-AL-LSO-LEC-0M2-1010	Low square opal	120Å°	2.4 W/m	3000K	CRI 95	150 lm	—	PDF ↗
AL-50-24-5-030-AP02-AL-HSD-LEC-0M2-1010	High square diffuse	120Å°	4.8 W/m	3000K	CRI 95	348 lm	—	PDF ↗
AL-50-24-5-030-AP02-AL-HSO-LEC-0M2-1010	High square opal	120Å°	4.8 W/m	3000K	CRI 95	298 lm	—	PDF ↗
AL-50-24-10-03035-AP02-AL-HSD-LEC-0M2-1010	High square diffuse	120Å°	9.6 W/m	3000K-3500K	CRI 95	703 lm	—	PDF ↗
AL-50-24-10-03035-AP02-AL-HSO-LEC-0M2-1010	High square opal	120Å°	9.6 W/m	3000K-3500K	CRI 95	602 lm	—	PDF ↗
AL-50-24-10-03035-AP02-AL-LSD-LEC-0M2-1010	Low square diffuse	120Å°	9.6 W/m	3000K-3500K	CRI 95	703 lm	—	PDF ↗
AL-50-24-10-03035-AP02-AL-LSO-LEC-0M2-1010	Low square opal	120Å°	9.6 W/m	3000K-3500K	CRI 95	602 lm	—	PDF ↗

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