

ARCHITECTURAL ALUMINIUM PROFILE

Architape AP03 Indoor Luminaire Series

24VDC / 48VDC

IP20

MACADAM 3-STEP

5-YEAR WARRANTY

HIGH EFFICACY NICHIA

AP03 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 – 33.6 W/m

LUMINOUS FLUX

23 lm/m – 4,747 lm/m

DIMENSIONS (W X H)

18 x 9 mm

SERVICE LIFETIME

L90B10 > 60kh



ARCHITAPE INDOOR LUMINAIRE SERIES

TESTED & CERTIFIED UNDER INTERNATIONAL STANDARDS



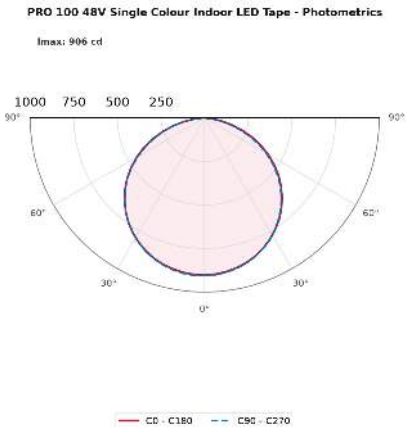
SCAN TO VIEW SERIES ONLINE

ENGINEERING, OPTICS & DIMENSIONS

ARCHITAPE AP03 INDOOR LUMINAIRE SERIES

PHOTOMETRIC DISTRIBUTION

120Å°



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

DIMENSIONS & PROFILE SECTION

SECTION: 18 X 9 MM



OUTER DIMENSIONS	18 x 9 mm
INGRESS PROTECTION	IP20
PROFILE MATERIAL	Extruded aluminium profile · Architectural Aluminium Profile
ENCAPSULATION / COVER	Diffuse, Opal, Semi-transparent 15Å°, Semi-transparent 30Å°, Semi-transparent 60Å°, Transparent

ELECTRICAL & SYSTEM SPECS

OPERATING VOLTAGE	24VDC / 48VDC (Constant Voltage)
AVAILABLE WATTAGES	1.2 W/m – 33.6 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	Diffuse, Opal, Semi-transparent 15Å°, Semi-transparent 30Å°, Semi-transparent 60Å°, Transparent
HOUSING COLOURS	

PART NUMBER DECODING LOGIC

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

Example: **AL-100-48-5-027-AP03-AL-DIF-LEC-0M2-1010**
• AP03: profile • finish • Diffuse cover • PRO 100 48V Single Colour Indoor LED Tape • 2700K • 1010 mm

INSTALLATION & CUSTOM LENGTHS

STANDARD LENGTHS	1010 mm standard · 13 tape options: PRO 100 48V Single Colour, PRO 100 Pixel, 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 AP03 INDOOR LUMINAIRE SERIES – STANDARD MODEL DIRECTORY

PAGE 3 OF
4

PART CODE	COVER	BEAM	POWER	CCT / COLOUR	CRI	FLUX	FINISH	DATASHEET
AL-100-48-5-030-AP03-AL-DIF-LEC-0M2-1010	Diffuse	120Å°	4.8 W/m	3000K	CRI 95	461 lm	—	PDF ↗
AL-100-48-5-030-AP03-AL-OPA-LEC-0M2-1010	Opal	120Å°	4.8 W/m	3000K	CRI 95	376 lm	—	PDF ↗
AL-100-48-5-030-AP03-AL-S15-LEC-0M2-1010	Semi-transparent 15Å°	120Å°	4.8 W/m	3000K	CRI 95	411 lm	—	PDF ↗
AL-100-48-5-030-AP03-AL-S30-LEC-0M2-1010	Semi-transparent 30Å°	120Å°	4.8 W/m	3000K	CRI 95	426 lm	—	PDF ↗
AL-100-48-5-030-AP03-AL-S60-LEC-0M2-1010	Semi-transparent 60Å°	120Å°	4.8 W/m	3000K	CRI 95	446 lm	—	PDF ↗
AL-100-48-5-030-AP03-AL-TRA-LEC-0M2-1010	Transparent	120Å°	4.8 W/m	3000K	CRI 95	461 lm	—	PDF ↗
AL-100-24-26-PXRGBW-AP03-AL-DIF-LEC-0M2-1010	Diffuse	120Å°	26.1 W/m	Pixel	—	2,061 lm	—	PDF ↗
AL-100-24-26-PXRGBW-AP03-AL-OPA-LEC-0M2-1010	Opal	120Å°	26.1 W/m	Pixel	—	1,680 lm	—	PDF ↗
AL-100-24-26-PXRGBW-AP03-AL-S15-LEC-0M2-1010	Semi-transparent 15Å°	120Å°	26.1 W/m	Pixel	—	1,837 lm	—	PDF ↗
AL-100-24-26-PXRGBW-AP03-AL-S30-LEC-0M2-1010	Semi-transparent 30Å°	120Å°	26.1 W/m	Pixel	—	1,904 lm	—	PDF ↗
AL-100-24-26-PXRGBW-AP03-AL-S60-LEC-0M2-1010	Semi-transparent 60Å°	120Å°	26.1 W/m	Pixel	—	1,994 lm	—	PDF ↗
AL-100-24-26-PXRGBW-AP03-AL-TRA-LEC-0M2-1010	Transparent	120Å°	26.1 W/m	Pixel	—	2,061 lm	—	PDF ↗
AL-100-24-12-RGB-AP03-AL-DIF-LEC-0M2-1010	Diffuse	120Å°	11.5 W/m	RGB	—	441 lm	—	PDF ↗
AL-100-24-12-RGB-AP03-AL-OPA-LEC-0M2-1010	Opal	120Å°	11.5 W/m	RGB	—	359 lm	—	PDF ↗
AL-100-24-12-RGB-AP03-AL-S15-LEC-0M2-1010	Semi-transparent 15Å°	120Å°	11.5 W/m	RGB	—	393 lm	—	PDF ↗
AL-100-24-12-RGB-AP03-AL-S30-LEC-0M2-1010	Semi-transparent 30Å°	120Å°	11.5 W/m	RGB	—	407 lm	—	PDF ↗
AL-100-24-12-RGB-AP03-AL-S60-LEC-0M2-1010	Semi-transparent 60Å°	120Å°	11.5 W/m	RGB	—	426 lm	—	PDF ↗
AL-100-24-12-RGB-AP03-AL-TRA-LEC-0M2-1010	Transparent	120Å°	11.5 W/m	RGB	—	441 lm	—	PDF ↗
AL-100-24-5-030-AP03-AL-DIF-LEC-0M2-1010	Diffuse	120Å°	4.8 W/m	3000K	CRI 95	461 lm	—	PDF ↗
AL-100-24-5-030-AP03-AL-OPA-LEC-0M2-1010	Opal	120Å°	4.8 W/m	3000K	CRI 95	376 lm	—	PDF ↗
AL-100-24-5-030-AP03-AL-S15-LEC-0M2-1010	Semi-transparent 15Å°	120Å°	4.8 W/m	3000K	CRI 95	411 lm	—	PDF ↗
AL-100-24-5-030-AP03-AL-S30-LEC-0M2-1010	Semi-transparent 30Å°	120Å°	4.8 W/m	3000K	CRI 95	426 lm	—	PDF ↗
AL-100-24-5-030-AP03-AL-S60-LEC-0M2-1010	Semi-transparent 60Å°	120Å°	4.8 W/m	3000K	CRI 95	446 lm	—	PDF ↗
AL-100-24-5-030-AP03-AL-TRA-LEC-0M2-1010	Transparent	120Å°	4.8 W/m	3000K	CRI 95	461 lm	—	PDF ↗
AL-100-24-10-82765-AP03-AL-DIF-LEC-0M2-1010	Diffuse	120Å°	9.6 W/m	2700-6500K	CRI 80	1,236 lm	—	PDF ↗
AL-100-24-10-82765-AP03-AL-OPA-LEC-0M2-1010	Opal	120Å°	9.6 W/m	2700-6500K	CRI 80	1,007 lm	—	PDF ↗
AL-100-24-10-82765-AP03-AL-S15-LEC-0M2-1010	Semi-transparent 15Å°	120Å°	9.6 W/m	2700-6500K	CRI 80	1,101 lm	—	PDF ↗
AL-100-24-10-82765-AP03-AL-S30-LEC-0M2-1010	Semi-transparent 30Å°	120Å°	9.6 W/m	2700-6500K	CRI 80	1,142 lm	—	PDF ↗

ARCHITAPE INDOOR LUMINAIRE SERIES

ARCHITAPE AP03 INDOOR LUMINAIRE SERIES – STANDARD MODEL DIRECTORY

PAGE 4 OF 4

PART CODE	COVER	BEAM	POWER	CCT / COLOUR	CRI	FLUX	FINISH	DATASHEET
AL-175-24-5-030-AP03-AL-S15-LEC-0M2-1010	Semi-transparent 15Å°	120Å°	4.8 W/m	3000K	CRI 95	412 lm	—	PDF ↗
AL-175-24-5-030-AP03-AL-S30-LEC-0M2-1010	Semi-transparent 30Å°	120Å°	4.8 W/m	3000K	CRI 95	427 lm	—	PDF ↗
AL-175-24-5-030-AP03-AL-S60-LEC-0M2-1010	Semi-transparent 60Å°	120Å°	4.8 W/m	3000K	CRI 95	447 lm	—	PDF ↗
AL-175-24-5-030-AP03-AL-TRA-LEC-0M2-1010	Transparent	120Å°	4.8 W/m	3000K	CRI 95	462 lm	—	PDF ↗
AL-20-24-1-030-AP03-AL-DIF-LEC-0M2-1010	Diffuse	120Å°	1.2 W/m	3000K	CRI 95	115 lm	—	PDF ↗
AL-20-24-1-030-AP03-AL-OPA-LEC-0M2-1010	Opal	120Å°	1.2 W/m	3000K	CRI 95	94 lm	—	PDF ↗
AL-20-24-1-030-AP03-AL-S15-LEC-0M2-1010	Semi-transparent 15Å°	120Å°	1.2 W/m	3000K	CRI 95	102 lm	—	PDF ↗
AL-20-24-1-030-AP03-AL-S30-LEC-0M2-1010	Semi-transparent 30Å°	120Å°	1.2 W/m	3000K	CRI 95	106 lm	—	PDF ↗
AL-20-24-1-030-AP03-AL-S60-LEC-0M2-1010	Semi-transparent 60Å°	120Å°	1.2 W/m	3000K	CRI 95	111 lm	—	PDF ↗
AL-20-24-1-030-AP03-AL-TRA-LEC-0M2-1010	Transparent	120Å°	1.2 W/m	3000K	CRI 95	115 lm	—	PDF ↗
AL-50-24-7-RGB-AP03-AL-DIF-LEC-0M2-1010	Diffuse	120Å°	7.2 W/m	RGB	—	291 lm	—	PDF ↗
AL-50-24-7-RGB-AP03-AL-OPA-LEC-0M2-1010	Opal	120Å°	7.2 W/m	RGB	—	237 lm	—	PDF ↗
AL-50-24-7-RGB-AP03-AL-S15-LEC-0M2-1010	Semi-transparent 15Å°	120Å°	7.2 W/m	RGB	—	259 lm	—	PDF ↗
AL-50-24-7-RGB-AP03-AL-S30-LEC-0M2-1010	Semi-transparent 30Å°	120Å°	7.2 W/m	RGB	—	269 lm	—	PDF ↗
AL-50-24-7-RGB-AP03-AL-S60-LEC-0M2-1010	Semi-transparent 60Å°	120Å°	7.2 W/m	RGB	—	281 lm	—	PDF ↗
AL-50-24-7-RGB-AP03-AL-TRA-LEC-0M2-1010	Transparent	120Å°	7.2 W/m	RGB	—	291 lm	—	PDF ↗
AL-50-24-10-RGBW027-AP03-AL-DIF-LEC-0M2-1010	Diffuse	120Å°	9.6 W/m	RGBW-2700K	—	484 lm	—	PDF ↗
AL-50-24-10-RGBW027-AP03-AL-OPA-LEC-0M2-1010	Opal	120Å°	9.6 W/m	RGBW-2700K	—	394 lm	—	PDF ↗
AL-50-24-10-RGBW027-AP03-AL-S15-LEC-0M2-1010	Semi-transparent 15Å°	120Å°	9.6 W/m	RGBW-2700K	—	431 lm	—	PDF ↗
AL-50-24-10-RGBW027-AP03-AL-S30-LEC-0M2-1010	Semi-transparent 30Å°	120Å°	9.6 W/m	RGBW-2700K	—	447 lm	—	PDF ↗
AL-50-24-10-RGBW027-AP03-AL-S60-LEC-0M2-1010	Semi-transparent 60Å°	120Å°	9.6 W/m	RGBW-2700K	—	468 lm	—	PDF ↗
AL-50-24-10-RGBW027-AP03-AL-TRA-LEC-0M2-1010	Transparent	120Å°	9.6 W/m	RGBW-2700K	—	484 lm	—	PDF ↗
AL-50-24-2-030-AP03-AL-DIF-LEC-0M2-1010	Diffuse	120Å°	2.4 W/m	3000K	CRI 95	230 lm	—	PDF ↗
AL-50-24-2-030-AP03-AL-OPA-LEC-0M2-1010	Opal	120Å°	2.4 W/m	3000K	CRI 95	188 lm	—	PDF ↗
AL-50-24-2-030-AP03-AL-S15-LEC-0M2-1010	Semi-transparent 15Å°	120Å°	2.4 W/m	3000K	CRI 95	205 lm	—	PDF ↗
AL-50-24-2-030-AP03-AL-S30-LEC-0M2-1010	Semi-transparent 30Å°	120Å°	2.4 W/m	3000K	CRI 95	212 lm	—	PDF ↗
AL-50-24-2-030-AP03-AL-S60-LEC-0M2-1010	Semi-transparent 60Å°	120Å°	2.4 W/m	3000K	CRI 95	222 lm	—	PDF ↗
AL-50-24-2-030-AP03-AL-TRA-LEC-0M2-1010	Transparent	120Å°	2.4 W/m	3000K	CRI 95	230 lm	—	PDF ↗

ARCHITAPE INDOOR LUMINAIRE SERIES