

ARCHITECTURAL ALUMINIUM PROFILE

Architape AR FLEX Indoor Luminaire Series

24VDC / 48VDC

IP20

MACADAM 3-STEP

5-YEAR WARRANTY

HIGH EFFICACY NICHIA

AR FLEX 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

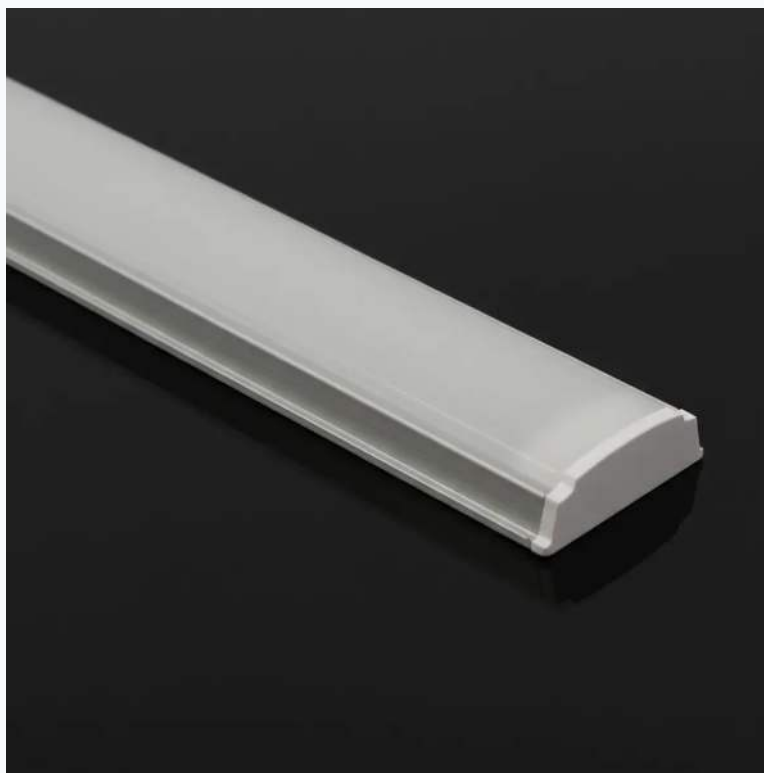
16 lm/m – 1,858 lm/m

DIMENSIONS (W X H)

18 x 5.7 mm

SERVICE LIFETIME

L90B10 > 60kh



ARCHITAPE INDOOR LUMINAIRE SERIES

TESTED & CERTIFIED UNDER INTERNATIONAL STANDARDS



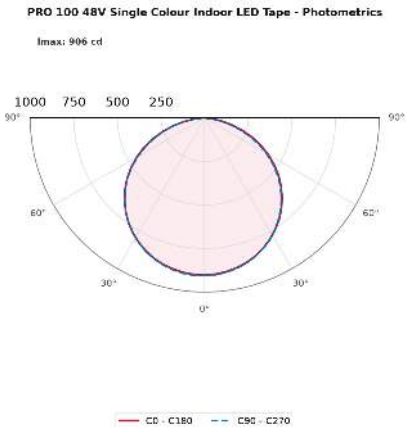
SCAN TO VIEW SERIES ONLINE

ENGINEERING, OPTICS & DIMENSIONS

ARCHITAPE AR FLEX 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: 18 X 5.7 MM



OUTER DIMENSIONS	18 x 5.7 mm
INGRESS PROTECTION	IP20
PROFILE MATERIAL	Extruded aluminium profile · Architectural Aluminium Profile
ENCAPSULATION / COVER	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	Opal
HOUSING COLOURS	

PART NUMBER DECODING LOGIC

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

Example: AL-100-48-5-027-ARFLEX-AL-OPA-LEC-0M2-1010
• AR FLEX: profile • finish • Opal 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 AR FLEX 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-ARFLEX-AL-OPA-LEC-0M2-1010	Opal	120Å°	4.8 W/m	3000K	CRI 95	250 lm	—	PDF ↗
AL-100-48-10-030-ARFLEX-AL-OPA-LEC-0M2-1010	Opal	120Å°	9.6 W/m	3000K	CRI 95	497 lm	—	PDF ↗
AL-100-48-14-030-ARFLEX-AL-OPA-LEC-0M2-1010	Opal	120Å°	14.4 W/m	3000K	CRI 95	738 lm	—	PDF ↗
AL-100-48-19-030-ARFLEX-AL-OPA-LEC-0M2-1010	Opal	120Å°	19.2 W/m	3000K	CRI 95	971 lm	—	PDF ↗
AL-100-48-24-030-ARFLEX-AL-OPA-LEC-0M2-1010	Opal	120Å°	24.0 W/m	3000K	CRI 95	1,198 lm	—	PDF ↗
AL-100-24-12-RGB-ARFLEX-AL-OPA-LEC-0M2-1010	Opal	120Å°	11.5 W/m	RGB	—	240 lm	—	PDF ↗
AL-100-24-14-RGB-ARFLEX-AL-OPA-LEC-0M2-1010	Opal	120Å°	14.4 W/m	RGB	—	300 lm	—	PDF ↗
AL-100-24-23-RGB-ARFLEX-AL-OPA-LEC-0M2-1010	Opal	120Å°	23.0 W/m	RGB	—	481 lm	—	PDF ↗
AL-100-24-5-030-ARFLEX-AL-OPA-LEC-0M2-1010	Opal	120Å°	4.8 W/m	3000K	CRI 95	250 lm	—	PDF ↗
AL-100-24-10-030-ARFLEX-AL-OPA-LEC-0M2-1010	Opal	120Å°	9.6 W/m	3000K	CRI 95	497 lm	—	PDF ↗
AL-100-24-14-030-ARFLEX-AL-OPA-LEC-0M2-1010	Opal	120Å°	14.4 W/m	3000K	CRI 95	738 lm	—	PDF ↗
AL-100-24-19-030-ARFLEX-AL-OPA-LEC-0M2-1010	Opal	120Å°	19.2 W/m	3000K	CRI 95	971 lm	—	PDF ↗
AL-100-24-24-030-ARFLEX-AL-OPA-LEC-0M2-1010	Opal	120Å°	24.0 W/m	3000K	CRI 95	1,198 lm	—	PDF ↗
AL-100-24-10-82765-ARFLEX-AL-OPA-LEC-0M2-1010	Opal	120Å°	9.6 W/m	2700-6500K	CRI 80	672 lm	—	PDF ↗
AL-100-24-19-82765-ARFLEX-AL-OPA-LEC-0M2-1010	Opal	120Å°	19.2 W/m	2700-6500K	CRI 80	1,332 lm	—	PDF ↗
AL-112-24-5-030-ARFLEX-AL-OPA-LEC-0M2-1010	Opal	120Å°	4.8 W/m	3000K	CRI 95	250 lm	—	PDF ↗
AL-112-24-10-030-ARFLEX-AL-OPA-LEC-0M2-1010	Opal	120Å°	9.6 W/m	3000K	CRI 95	497 lm	—	PDF ↗
AL-112-24-14-030-ARFLEX-AL-OPA-LEC-0M2-1010	Opal	120Å°	14.4 W/m	3000K	CRI 95	738 lm	—	PDF ↗
AL-112-24-19-030-ARFLEX-AL-OPA-LEC-0M2-1010	Opal	120Å°	19.2 W/m	3000K	CRI 95	971 lm	—	PDF ↗
AL-175-24-5-030-ARFLEX-AL-OPA-LEC-0M2-1010	Opal	120Å°	4.8 W/m	3000K	CRI 95	251 lm	—	PDF ↗
AL-175-24-10-030-ARFLEX-AL-OPA-LEC-0M2-1010	Opal	120Å°	9.6 W/m	3000K	CRI 95	500 lm	—	PDF ↗
AL-175-24-14-030-ARFLEX-AL-OPA-LEC-0M2-1010	Opal	120Å°	14.4 W/m	3000K	CRI 95	746 lm	—	PDF ↗
AL-175-24-19-030-ARFLEX-AL-OPA-LEC-0M2-1010	Opal	120Å°	19.2 W/m	3000K	CRI 95	988 lm	—	PDF ↗
AL-20-24-1-030-ARFLEX-AL-OPA-LEC-0M2-1010	Opal	120Å°	1.2 W/m	3000K	CRI 95	62 lm	—	PDF ↗
AL-20-24-2-030-ARFLEX-AL-OPA-LEC-0M2-1010	Opal	120Å°	2.4 W/m	3000K	CRI 95	124 lm	—	PDF ↗
AL-20-24-5-030-ARFLEX-AL-OPA-LEC-0M2-1010	Opal	120Å°	4.8 W/m	3000K	CRI 95	242 lm	—	PDF ↗
AL-20-24-9-030-ARFLEX-AL-OPA-LEC-0M2-1010	Opal	120Å°	9.1 W/m	3000K	CRI 95	440 lm	—	PDF ↗
AL-50-24-7-RGB-ARFLEX-AL-OPA-LEC-0M2-1010	Opal	120Å°	7.2 W/m	RGB	—	158 lm	—	PDF ↗
AL-50-24-12-RGB-ARFLEX-AL-OPA-LEC-0M2-1010	Opal	120Å°	11.5 W/m	RGB	—	240 lm	—	PDF ↗
AL-50-24-10-RGBW027-ARFLEX-AL-OPA-LEC-0M2-1010	Opal	120Å°	9.6 W/m	RGBW-2700K	—	263 lm	—	PDF ↗
AL-50-24-14-RGBW027-ARFLEX-AL-OPA-LEC-0M2-1010	Opal	120Å°	14.4 W/m	RGBW-2700K	—	382 lm	—	PDF ↗
AL-50-24-19-RGBW027-ARFLEX-AL-OPA-LEC-0M2-1010	Opal	120Å°	19.2 W/m	RGBW-2700K	—	569 lm	—	PDF ↗
AL-50-24-24-RGBW027-ARFLEX-AL-OPA-LEC-0M2-1010	Opal	120Å°	24.0 W/m	RGBW-2700K	—	761 lm	—	PDF ↗

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PART CODE	COVER	BEAM	POWER	CCT / COLOUR	CRI	FLUX	FINISH	DATASHEET
AL-50-24-10-03035-ARFLEX-AL-OPA-LEC-0M2-1010	Opal	120Å°	9.6 W/m	3000K–3500K	CRI 95	502 lm	—	PDF ↗
AL-50-24-19-03035-ARFLEX-AL-OPA-LEC-0M2-1010	Opal	120Å°	19.2 W/m	3000K–3500K	CRI 95	982 lm	—	PDF ↗
AL-70-24-10-03035-ARFLEX-AL-OPA-LEC-0M2-1010	Opal	120Å°	9.6 W/m	3000K–3500K	CRI 95	504 lm	—	PDF ↗
AL-70-24-19-03035-ARFLEX-AL-OPA-LEC-0M2-1010	Opal	120Å°	19.2 W/m	3000K–3500K	CRI 95	992 lm	—	PDF ↗

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