



ARA[®]

EFFICIENT LED FLOODLIGHT

ARA[®]

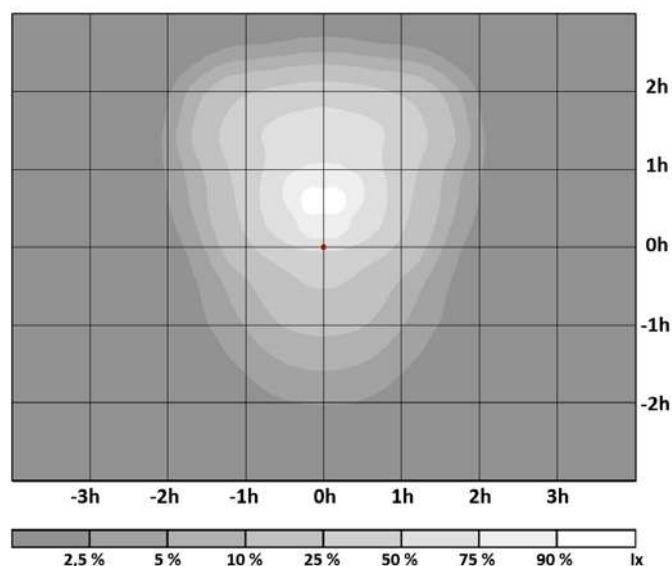
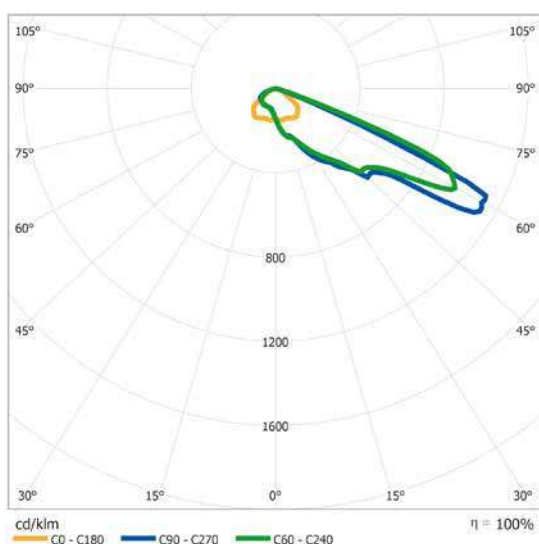
Easy LED ARA[®] is a cost-effective and luminous alternative for traditional metal halide lights. The ARA[®] is built in a robust die-cast aluminium housing and the sturdy handle makes installation and aiming of the floodlight easy.

- Cost-effective replacement for traditional high power metal halide floodlights
- Robust die-cast housing for demanding conditions
- Installation handle for mounting and aiming of the floodlight
- Extremely efficient for area lighting – sports arenas, parking lots, industrial areas
- Now also available with Zhaga. Compatible with the Easy Magic control system.
- Same high quality as BUBO light family
- Made in Finland



ARA[®]-FLOODLIGHT OPTICS

UP-F



ARA® 90-1050

Housing: Die cast aluminium chassis with powder coat RAL 9006. Hot dip galvanized steel bracket. Optical cover extra white hardened glass.

Optics: Flood light optics UP-F. Easy LED optimized UV-stabilized PC optics with high impact resistance

Protection range: IP66, IK08, CE

Temperature range: Designed for operating temperatures of up to +40°C outdoors / +35°C indoors (95 % RH)

Automatic thermal protection: Inbuilt reversible thermal protection with output current dimming.

LED unit lumen maintenance L90B10, C10: 70 000 h

LED unit lumen maintenance L85B10, C10: >100 000 h

Residual luminous flux after 100 000 h: 0,87

Control: Integrated DALI-2. Available Zhaga (D4i) to top (ZT) or to top and ground (ZTG) sides as well as CLO, MainsDIM and Kaamos.

Connection: Preassembled rubber cable. Serial installation possible.

Accessories: Front and rear light visors

Safety light: 186-250 VDC at 10...60 % power level

Input voltage: 230 VAC (operation voltage range 202...254 VAC. Zhaga: 90...305 VAC)

Input frequency: 50...60 Hz

Power Factor (PF) typical: > 0,95

Surge protection:
10 kV L-GND, N-GND (EN 61547), 6 kV L-N (EN 61000-4-5)
Zhaga models: 10 kV L-GND, N-GND, 6 kV L-N (EN 61000-4-5)

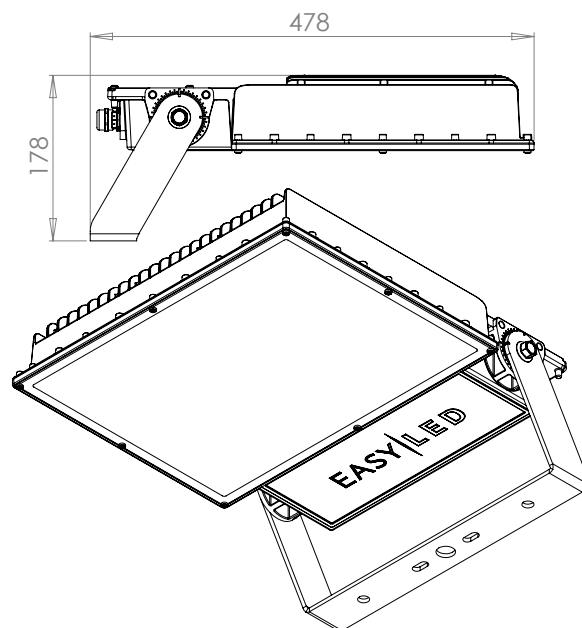
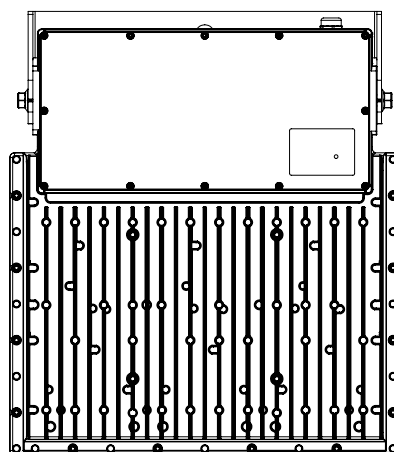
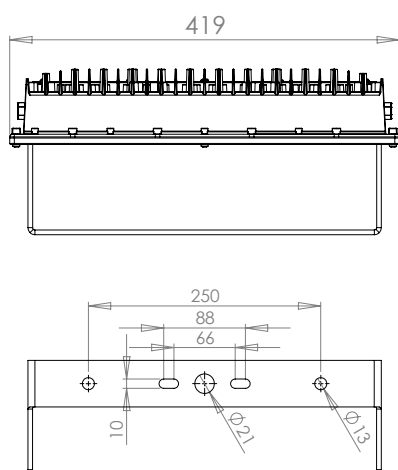
Luminaire protection class: CL I

Installation direction: No limits. (Not to be installed inside insulation to enable cooling)

Luminaire luminous efficacy: 124 lm/W

Light: CRI>70; 4000 K

ARA® DIMENSIONS



LEDs: 90

Weight: 10,7 kg

Recommended install height: 6-30 m

Delivery: Fully assembled

Dali addresses: 1

Temperature range: -40°C ...+40°C (95 % RH) outdoors
-40°C ...+35°C (95 % RH) indoors

Maintenance free operating life: >100 kh

Driving current: 1050 mA

System power: 280 W

Current: 1,3 A

Luminous Flux: 34 700 lm*

Luminaire dimming range:

Minimum light level: 0,12

Minimum power level: 0,11

Values shown are nominal values and are subject to +/- 10 % tolerance. *Luminous flux for 740, dependent on choice of optical solution. For latest values, ask for light distribution files.

ARA® CIRCUIT BREAKER DESIGN CHART

				Number of luminaires per circuit breaker			
				B10 A	B16 A	C10 A	C16 A
ARA 90-1050	280 W	1,3 A	3	7	7	11	
ARA 90-1050 Zhaga	280 W	1,3 A	3	5	5	9	

Inrush current peak

ARA 90-1050 13 A, t = 1320µs (50 % of I_{peak})
ARA 90-1050 Zhaga 12,4 A, t = 2400µs (50 % of I_{peak})

Earth leakage current

0,2 mA
0,3 mA



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EFFICIENT LED FLOODLIGHT

EASY LED – THE BRIGHT CHOICE

Investing in high quality LED lighting today will pay off far into the future. Easy LED Oy is a Finnish company specialised in manufacturing of energy efficient LED lighting systems for different environments, such as sports arenas, industrial premises, roads and areas as well as retail and office spaces.



**EASY
LED**

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