

MDK Industrial

THE IDEAL LUMINAIRE FOR EXTREME ENVIRONMENTS

DESIGNED FOR HEAVY INDUSTRIAL ENVIRONMENTS, WITHSTANDING HIGH HEAT, HIGH HUMIDITY, AND AIRBORNE PARTICLES, REQUIRING ROBUSTNESS AND LUMINOUS EFFICIENCY.

FEATURES



100 W

02 Modules with 24 leds
14.028 Effective lumens

QUALITY

Ensures a lifespan of up to 102,000 hours
5-year warranty.

DEDICATED LENSES, LIGHT EMISSION WITHOUT WASTE

Additional and individual photometric system for each LED, ensuring the right luminance in the right place.

UNIQUE STRUCTURAL DESIGN

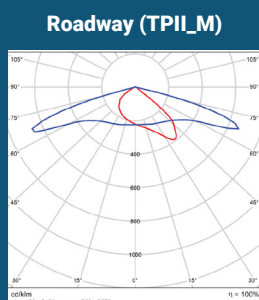
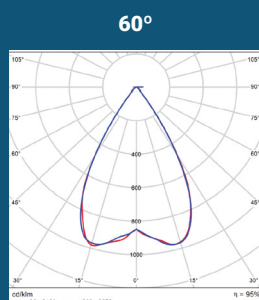
Die-cast aluminum housing ensures efficient heat dissipation, with an excellent protection rating against abrasive environments and extreme weather conditions.

POWER RATINGS: 40 W, 60 W, 100 W, 150 W, 170 W

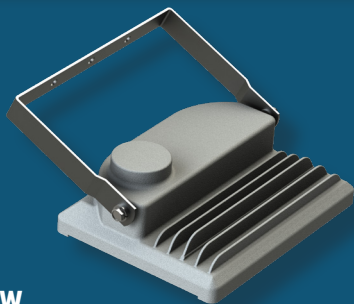
SEGMENTS

Metallurgy, steel industry, chemical industry, manufacturing industry, rubber and plastics industry, among other heavy industries.

PHOTOMETRY



TECHNICAL SPECIFICATIONS



40 W
01 Module with 18 leds
5.564 Effective lumens



100 W
02 Modules with 24 leds
14.028 Effective lumens

Model / Power	40 W		60 W		100 W		150 W		170 W	
Color Temperature (K)	4.000	5.000	4.000	5.000	4.000	5.000	4.000	5.000	4.000	5.000
Total Luminous Flux (lm)	6.478		9.464		16.333		24.185		26.600	
Effective Luminous Flux (lm)	5.564		8.128		14.028		20.771		22.845	
Luminous Efficacy (lm/W)	138		134		140		139		134	
LEDs per Module	18 Leds		24 Leds		24 Leds		24 Leds		24 Leds	
Number of Modules	1		1		2		3		3	
Weight	2,2 kg		2,7 kg		3,2kg		3,6kg		3,6kg	
Dimensions (cm)	38 x 20 x 8,2		38 x 27 x 8,2		43,2 x 27 x 8,2		43,2 x 27 x 8,2		43,2 x 27 x 8,2	
Beam Angle	60° / Roadway (TPLII_M)									
Ambient Temperature	-5 °C to 50 °C									

Electrical Characteristics

Effective Power	40 W	60 W	100 W	150 W	170 W
Input Current (mA)	170-430	260-640	430-1.060	640-1.580	730-1.790
Total Harmonic Distortion (THD)	<15%				
Mains Frequency	50/60Hz				
Input Voltage	100 - 240 Vac				
Power Factor	>95%				
LED Type	5050				
Leakage Current	<0,7 mA				
Surge Protection	I=10A Uc = 275VAC-350VDC In = 5kA @8/20µs Imax = 10kA @8/20µs				

Quality

Lifetime	102,000 hours of continuous use
Warranty	5 years
Ingress Protection Rating	IP66
Housing	Die-cast aluminum

Certifications

Fonte (driver)	ENEC, CE, CB, RCM, SAA, CCC
LED	IESNA LM-80
Empresa	ISO9001

Notice: Product information and specifications are subject to change without prior notice, due to technical improvements and updates.

Version: 08/2025



RUA OLAVO MACHADO 120
CINCO - CONTAGEM / MG - BRASIL

WWW.AALOK.COM.BR
CONTATO@AALOK.COM.BR
 TEL: (31) 3390-2301

[/AALOK.ECONOMIA](https://www.instagram.com/AALOK.ECONOMIA)
[/COMPANY/AALOK](https://www.linkedin.com/company/AALOK)