



# KÉOPS

INDUSTRIAL AND STREET LIGHTING



# KÉOPS

## ONE PRODUCT, SEVERAL APPLICATIONS

STREET LIGHTING, PENDANT OR REFLECTOR.  
VERSATILITY, FLEXIBILITY AND EFFICIENCY,  
FOR THE SAME VALUE

## FEATURES

### AALOK LED TECHNOLOGY, GUARANTEED LIFETIME

LM-80/TM-21 CERTIFICATE ABOVE 100,000  
HOURS, FOR MAXIMUM USE OF INVESTMENT

### INNOVATIVE STRUCTURE -AUTOCLEAN, PATENTED

NO ACCUMULATION OF DIRT, NO BARRIERS TO HEAT  
EXCHANGE WITH THE ENVIRONMENT.  
MORE LIFE FOR ELECTRONIC COMPONENTS

### DEDICATED LENSES, EMISSION OF LIGHT WITHOUT WASTE

ADDITIONAL AND INDIVIDUAL PHOTOMETRIC LED  
SYSTEM, ENSURING THE RIGHT LUMINANCE,  
IN THE RIGHT PLACE

### CONTROLLED THERMAL MANAGEMENT

EXTERNAL IP67 DRIVER, OPTIMIZING  
HEAT EXCHANGE AND OFFERING SUPERIOR  
PERFORMANCE AT 100,000 HOURS OF SERVICE LIFE

### OPERATIONAL STABILITY

CONSTANT OUTPUT CURRENT,  
POWER FACTOR GREATER THAN 0.95,  
WITH ACTIVE CORRECTION, AND HARMONIC  
DISTORTION - LESS THAN 10% @ 220V

## AALOK DIFFERENTIALS

### MODERNIZATION AT YOUR FINGERTIPS

INVESTMENT WITH PAYBACK FROM 12 TO  
24 MONTHS, OR ZERO INVESTMENT BY A  
PORTION OF THE ENERGY SAVINGS

### EACH CUSTOMER, A PROJECT

WE MANUFACTURE THE BEST FOR  
EACH CASE. NEW INSTALLATIONS OR  
MODERNIZATION, AALOK TEAM OF  
PROJECTS AT YOUR DISPOSAL

### CONSTANT INVESTMENT IN PD&I

TECHNOLOGICAL SINGULARITY,  
WE SEEK THE IRREVERSIBLE CHANGE

## TECHNICAL SPECIFICATIONS

SPECIFICATIONS	STANDARD	OPTIONAL
Warranty	5 years	7 or 10 years
LED Technology	High Power	-
LED Life	100.000 Hours	-
Driver's lifetime	100.000 Hours	-
Effective effectiveness	100 Lm/W	90 to 140 Lm/W
IRC	> 70	> 80 or 90
TCC	5.000 K	3.000 to 6.000 K
Voltage	110-220 V	-
Frequency	50 to 60 Hz	-
Harmonic distortion	< 10% @ 220V	-
Power factor	> 0.95 @ 220V	-
Operation Temperature	-30 to +55 °C	-
Optical protection	IP67	-
Electrical protection	IP66	-
Antisurge	6 Kv / 10 Kv	1 to 10 Kv extra
Cable lenght	0,5 m	Other
Lens	PMMA	Silicone
Body	Aluminum	-
Fasteners	Stainless Steel	-
Printed circuit board	Metal Core	-
Base f/Accessories	No	Nema 3 or Nema 7
Programming	Constant emission	-
Dimerization	0-5V/0-10V/PWM	-
TeleManagement	No	Default Nema 7
Photocell	No	Default Nema 3
Sensors	No	See availability

### CERTIFICATIONS

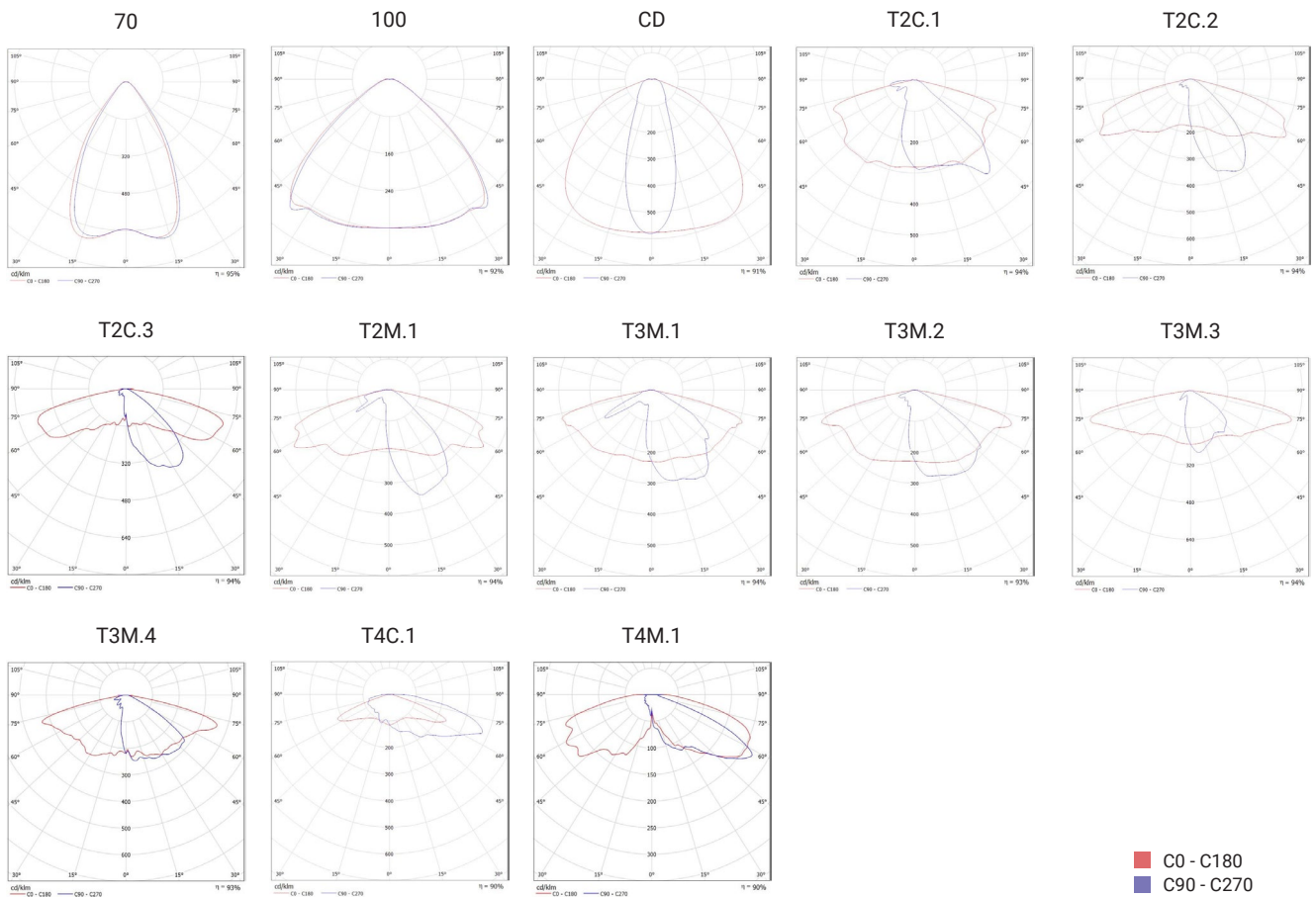
Luminaire	IESNA LM-79
LED	IESNA LM-80 / TM-21, REACH, RoHS
Driver	CE, ENEC, CB, CCC, REACH, RoHS
Lens	UL 94, UL 746, REACH, RoHS

### PROTECTIONS

PROTECTIONS	STANDARDS MET
Electric shock	Class I NBR 5101 :2012
Antisurge: Phase/Phase	6 Kv NBR 15129 :2012
Antisurge: Phase/Earth	10 Kv NBR 16026 :2012
Short Circuit protection	NBR 60068 :2007
Overtension Protection	NBR 60529 :2011
Overheating protection	NBR 60598 :2010
Security for Cord voltage	NBR 62031 :2013 NBR 62612 :2013

AALOK, Transcendental

# PHOTOMETRY



■ C0 - C180  
■ C90 - C270

## ORDER CODES

### APPLICATION

<b>V1</b>	Street Lighting - arm <math>\lt; \varnothing 63\text{mm}</math>
<b>P1</b>	Pendant - Short hook
<b>P2</b>	Pendant - Long hook
<b>P3</b>	Pendant - Hook Eye
<b>P4</b>	Pendant - Gazel
<b>R1</b>	Reflector - Handle

### PHOTOMETRY

<b>70</b>	70° Symmetrical
<b>100</b>	100° Symmetrical
<b>CD</b>	Warehouse
<b>T2C</b>	Type II, short
<b>T2M</b>	Type II, average
<b>T3M</b>	Type III, average
<b>T4M</b>	Type IV, average

### MODEL

<b>[420] x08 A3</b>	05.500 Lm	060 W
<b>[420] x12 A3</b>	08.200 Lm	085 W
<b>[420] x16 A3</b>	11.000 Lm	115 W
<b>[420] x20 A3</b>	13.700 Lm	140 W
<b>[420] x24 A3</b>	16.500 Lm	170 W
<b>[420] x30 A3</b>	20.500 Lm	210 W
<b>[420] x36 A3</b>	24.600 Lm	260 W
<b>[420] x40 A3</b>	27.300 Lm	280 W
<b>[420] x48 A3</b>	32.800 Lm	340 W

### TERMINATION

<b>FS</b>	Loose wires
<b>SD</b>	sindal
<b>3P</b>	2P+T

## APPLICATIONS



STREET  
LIGHTING



PENDANT



REFLECTOR



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