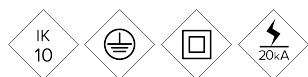
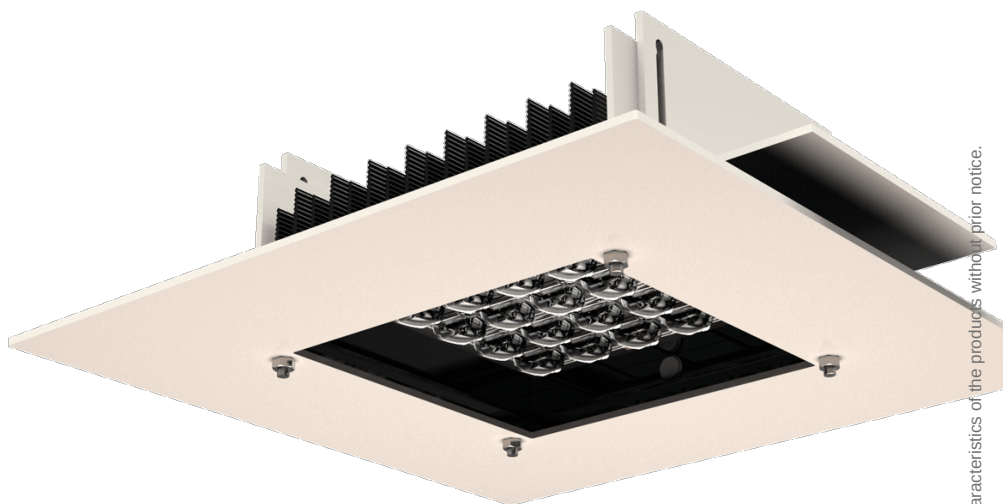


APG32

GAS



Retrofit module with 32 LEDs. High-efficiency sink made of anodised extruded aluminium. Power from 20W to 120W without affecting the LEDs lifetime. Essential for the technological update of the discharge luminaire. Adapts to any luminaire if combined with a mounting plate.

MAIN FEATURES:

High efficiency. Up to 145 lm/W real
2 different sizes. From 20W to 120W
18 different light distributions
Zhaga standard (Book 15)
4mm tempered glass with silicone sealing gasket to achieve IP66

APPLICATIONS:

Sports Facilities; Sports Halls, Sports Courts,
Tennis, Padel
Industrial Warehouses
Petrol Stations

[Catalogue](#) | [HD image](#)

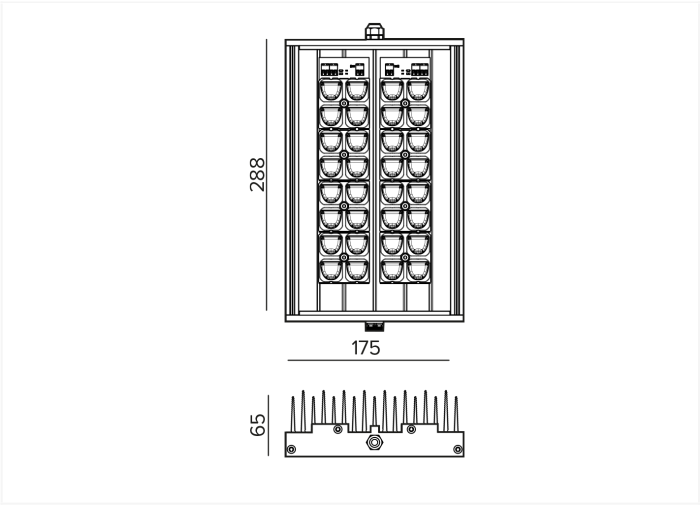
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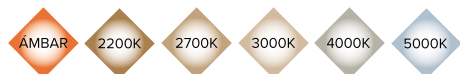
SPECIFICATIONS :

Housing material:	
Diffuser (optic system enclosure):	
Fixing elements:	
Housing:	
Sealing gaskets:	
IP rating (luminaire):	
IP rating (optic system):	20-66
IK rating (impact resistance):	IK10
LEDs thermal dissipation:	
Anti-condensation valve:	
Paint and finishes:	
Colour:	
Mounting:	
Tilt range:	
Maintenance:	
Recommended mounting height:	6-10m
Driver:	
Flow Reduction:	
Ready4IOT - Connectivity:	
Surge protection device (SPD):	

DRAWING:



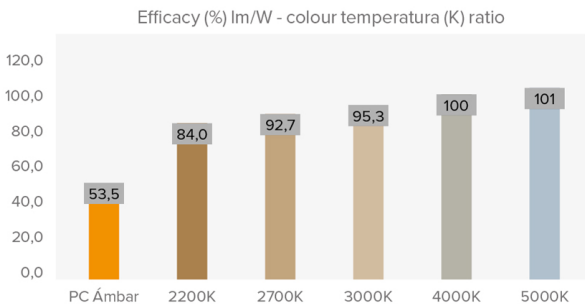
V. 2023-10-24 | The constant improvement and evolution of our products may result in some modifications of the technical specifications and characteristics of the products without prior notice.



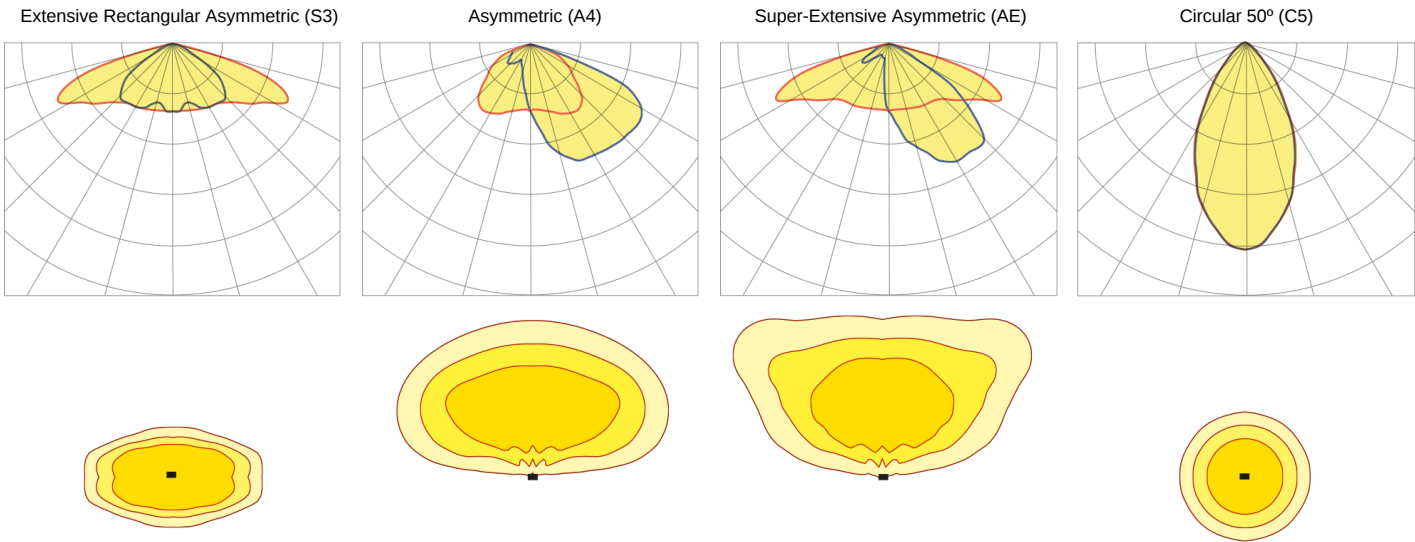
TECHNICAL DATA:

GAS 32	REF.	N° LEDs	Power W	I Driver mA	Real luminous flux (T) =85°C)		Initial luminous flux (T) =25°C)	
					Flux lm	Efficacy lm/W	Flux lm	Efficacy lm/W
					11360	142	12950	162
	APG32	32	80	750	14100	141	16074	161
		32	100	938	16920	141	19289	161
		32	120	1125				

Luminous flux and efficiency at 4000°K and CRI>70.
Luminous flux tolerance < +/-3%.
Values may be subject to changes due to LED binning.



PHOTOMETRY:



*Show 4 recommended lighting distributions. Refer to the 18 typologies.

V. 2023-10-24 | The constant improvement and evolution of our products may result in some modifications of the technical specifications and characteristics of the products without prior notice.

LEDs MODULE:

LEDs module:

Replaceable module:

LED: 5050

Number of LEDs: 24

PCBs format: 2 Zhaga (Book 15) 2x8

LED nominal efficacy: 172

Colour temperature:

Colour rendering index CRI:

Average LED useful time L90B10: L90B10 >100.000 horas

OPTIC SPECIFICATIONS:

Optic system:

Light distributions:

Upward light output ratio ULOR: 0%

Downward light output ratio DLOR: 100%

Glare index:

Luminous intensity category:

Luminous flux CIE n°3: >95%

Photobiological safety:

Initial luminous flux Tj=25°C (up to): lm 19289

Initial luminaire efficacy Tj=25°C (up to): lm/W 162

Real luminous flux Tj=85°C (UNE EN 13032-4) (up to): lm 16920

Real luminaire efficacy Tj=85°C (UNE EN 13032-4) (up to): lm/W 142

ELECTRIC SPECIFICATIONS:

Nominal maximum power (LEDs): W 108

Maximum power consumed (luminaire): W 120

Power range: W 60 - 120 W

Maximum current of LED: mA <500 (<50% I_{max})

Power supply protection classes IEC:

Surge protection device (SPD):

Common and differential mode protection (SPD) Udc: kV 10

Max current (8/20) (SPD): kA 20

Thermal phase disconnection (SPD):

Input voltage: Vac 220-240

Input voltage (max rate): Vac 198-264

Input frequency: Hz 47-63

Starting current: A <65

Duration of the starting voltage peak: ms <0,3

Driver efficacy: >90%

Power factor 100% consumption: >0,98

Power factor 50% consumption: >0,95

Total harmonic distortion (THD): <10

Power consumption on standby mode: W <0,4

Energy class: A++ IPEA>1,15

OPERATING CONDITIONS:

Average LED useful time L90B10: >100.000

Average driver useful life to Tp <70°C: 100.000

Average luminaire useful life L90B10 (TM-21):

Ambient temperature (Ta): °C de -35°C a +50°C

Aerodynamic resistance (CxS): m2

Vibration test (15Hz 3 axis):

Guarantee:

PACKAGING DIMENSIONS:

Net weight kg 2

Gross weight kg

Luminaire dimensions (LxWxH) mm 288x175x65

Packaging dimensions (LxWxH) mm

Pieces per box 1

Quantity per container 20ft

Quantity per container 40ft

CERTIFICATES:

Security certificates: EN 62031 / EN 62493 / EN 62471 / IEC 62778 / EN 61247-2-14

EMC certificates: EN 55015 / EN 61547 / EN 61000-3-2 / EN 61000-3-3 / EN 61347-2-13 / EN 61347-1 / EN 62384

Other certifications: IEC 62262 / EN 13032-4 / EN 62717 / EN 6272-1 / EN 6272-2-1 / EN 61643-11

Company Certifications



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