

LOGYCO

Floodlights
from 5150 lm to 9760 lm

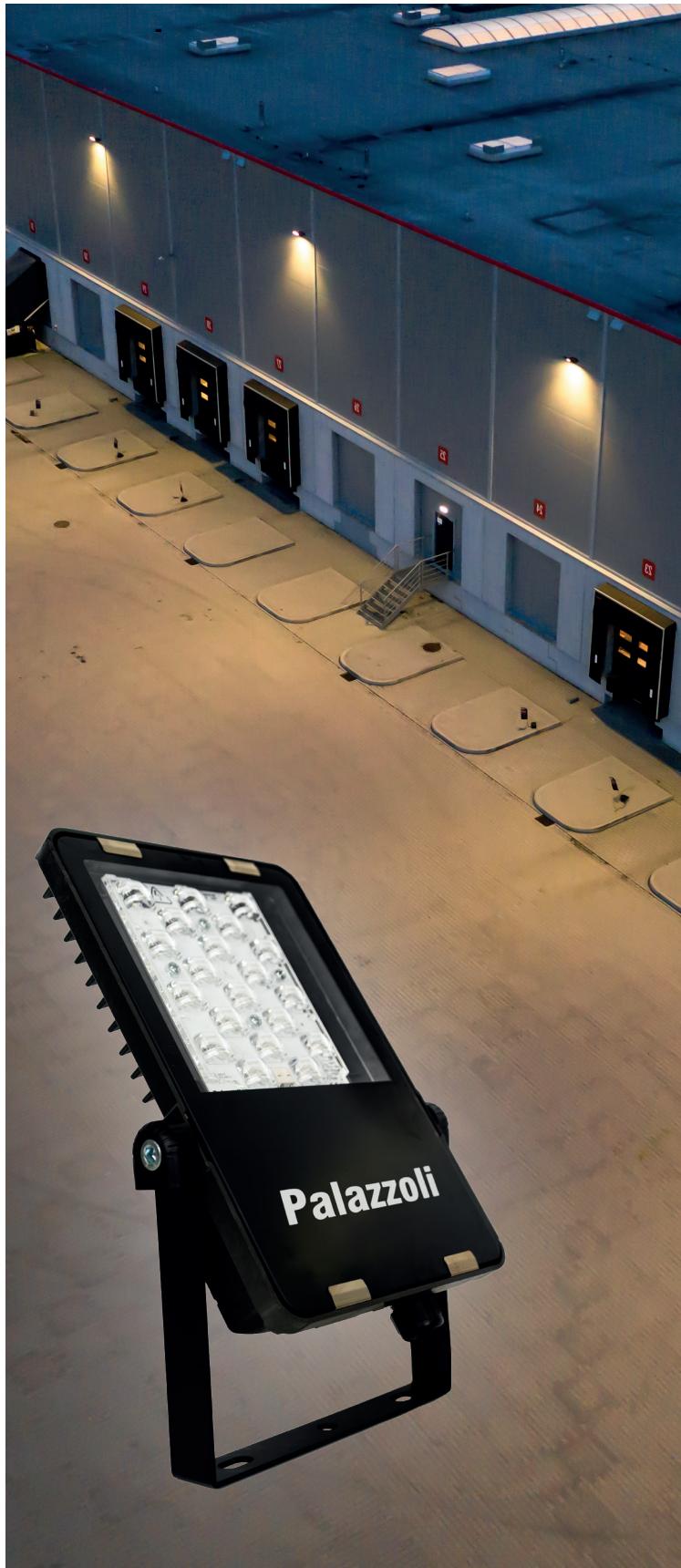
LIGHTING



Palazzoli



The series



Next-generation floodlights, featuring a compact and robust design.

The housing is made of self-extinguishing, thermally conductive technopolymer ECOTHERM, engineered to ensure high mechanical performance and maximum reliability even in demanding environments, making it perfectly suitable for outdoor use.

ECOTHERM is a sustainable solution, as it has a low environmental impact and is 100% recyclable. According to LCA (Life Cycle Assessment – ISO 14040 and 14044) analyses, it allows a reduction of the environmental footprint over the entire product life cycle of approximately 30% compared to equivalent conventional floodlights.

The LED module with High Power sources works in synergy with proprietary high-transparency optical PMMA lenses (>95%). LOGYCO uses white light LEDs with colour temperatures ranging from 2200 K to 6000 K, with luminous efficacy of up to 165 lm/W.

The LED driver provide high protection against overvoltage, ensuring resistance to differential mode (DM) and common mode (CM) surge impulses up to 10 kV.

The fixture's hermetic sealing is ensured by a 4 mm thick extra-clear flat tempered glass, impact-resistant and equipped with a non-removable gasket.

The luminaire is supplied with a 30 cm H07RN-F 2x1.5 mm² cable and an IP68 power quick connector.

The mounting bracket, with +/- 135° adjustment, is secured to the floodlight by an innovative metal compression locking system.

Upon request, the fixtures can be supplied with radio-wave remote control modules. A complete radio-based remote control system can also be provided, ensuring efficient and flexible management to meet any operational requirement.



ADVANTAGES OF ECOTHERM



1



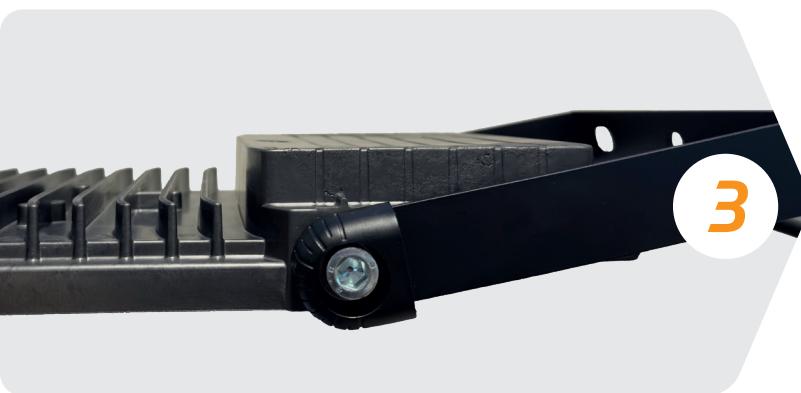
LIGHTWEIGHT

The weight of the fixture is reduced by up to 40% compared to die-cast aluminum products. This feature ensures easier, faster, and safer installation and maintenance operations.

SUSTAINABLE

ECOTHERM is a sustainable choice for lighting. LCA analyses (ISO 14040 and 14044) highlight an approximately 30% reduction in environmental footprint over the entire product life cycle compared to equivalent conventional floodlights.

2



3

OXIDATION-RESISTANT

The ECOTHERM housing, without any surface coatings, is resistant to oxidation and all types of corrosion (saline, galvanic, and chemical). The internal electrical components are protected against eddy currents and common-mode overvoltages, ensuring high long-term reliability.

4



SURGE-PROTECTED

The ECOTHERM housing ensures electrical insulation by design and complies with Class II standards. The design integrates thermal dissipation, protecting the LEDs and driver from electrostatic discharges and preserving their integrity.

LOGYCO floodlight



Body material	Thermally conductive technopolymer ECOTHERM
Colour	Black
Diffuser material	Extra-clear tempered glass
Protection rating	IP66 as per IEC 60598-1
Impact resistance	IK08 as per IEC/EN 62262
Corrosion class	C5-H ISO 9223
Mounting system	U-bracket with -135°...+135° adjustment
Ambient operating temperature	-40 °C - +45 °C
Ambient storage temperature	-40 °C - +70 °C
Actual efficacy of the device	Up to 165 lm/W
Colour temperature	4.000 K
Optics features	Non-ageing UV-resistant PMMA lenses with efficiency >90% and transparency >95%
Colour rendering index values	CRI ≥ 70 as per EN 62717
Colour consistency	MacAdam 4-step
Photobiological risk	RG0 - Exempt Group (EN 62471)
Residual flicker	< 1%
Luminous flux maintenance	L80 B10 @ 150,000h Tq=+25 °C
Insulation class	II
Supply voltage	220-240V 50/60 Hz
Surge protection	8 kV common mode and 10 kV differential mode as per EN 61000-4-5
Power factor	≥ 0,95
Type of power supply	H05RN-F 2x1 mm² cable length 20 cm with 2Px2,5 mm² connector
Max. conductor cross-section	2,5 mm²
Entry cable diameter	7 ÷ 13 mm



WARRANTY

UP TO 7 YEARS



DIRECTIVES

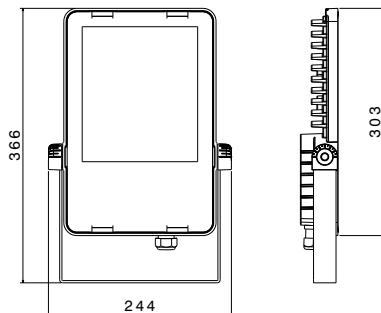
- 2014/30/UE (EMC)
- 2014/35/UE (LVD)
- 2011/65/UE (RoHS)
- 2012/19/UE (RAEE)
- 2009/125/CE (ERP)
- Reg. UE 2019/2020 (EcoDesign)

PRODUCT STANDARDS

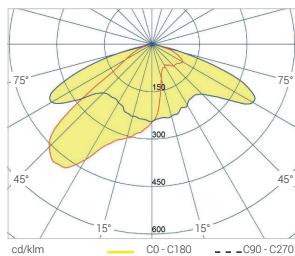
- EN 55015
- EN 60598-1
- EN 60598-2-1
- EN 60598-2-5
- EN 60598-2-22
- EN 60598-2-24
- EN 61000-3-2
- EN 61000-3-3
- EN 61547
- EN 62311
- EN 62493
- EN 62471
- IEC TR 62778
- EN 63000

Special versions can be made with a DALI power supply, with radio wave remote control and with colour temperatures from 2100 K (amber) to 6500 K.

LOGYCO floodlight



Flicker <1%	Classe II
IP66	IK08



Roadway 65° wide beam optics

Included: wall-mounting bracket.

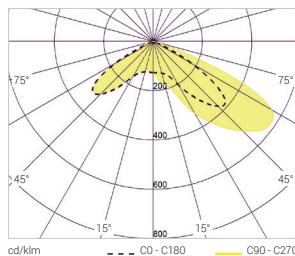
Power supply with 2Px2.5 mm² connector and 2x1 mm² H05RN-F cable, length 20 cm.

PMMA lenses.

The stated flux and power values may be subject to a +/- 7% tolerance.



LED No.	Power (W)	Nominal flux (lm) T _j =25°C	Output flux (lm) T _q =25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
20	35	6180	5150	Glass	147	On-off	1,8	806328
20	46	8040	6700	Glass	147	On-off	1,8	806368
20	61	10395	8662	Glass	142	On-off	1,8	806398



Large areas 60° extra wide beam optics

Included: wall-mounting bracket.

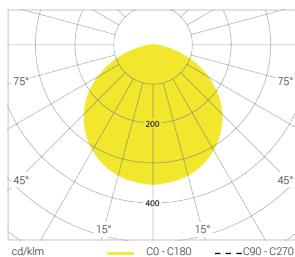
Power supply with 2Px2.5 mm² connector and 2x1 mm² H05RN-F cable, length 20 cm.

PMMA lenses.

The stated flux and power values may be subject to a +/- 7% tolerance.



LED No.	Power (W)	Nominal flux (lm) T _j =25°C	Output flux (lm) T _q =25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
20	35	6180	5150	Glass	147	On-off	1,8	806327
20	46	8040	6700	Glass	147	On-off	1,8	806367
20	61	10395	8662	Glass	142	On-off	1,8	806397

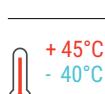


Symmetrical 120° extra wide beam optics

Included: wall-mounting bracket.

Power supply with 2Px2.5 mm² connector and 2x1 mm² H05RN-F cable, length 20 cm.

The stated flux and power values may be subject to a +/- 7% tolerance.



LED No.	Power (W)	Nominal flux (lm) T _j =25°C	Output flux (lm) T _q =25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
20	35	6180	5775	Glass	165	On-off	1,8	806329
20	46	8040	7544	Glass	164	On-off	1,8	806369
20	61	10395	9760	Glass	160	On-off	1,8	806399

Accessories LOGYCO



LOGYCO equipped with **bracket**

HEAD POLE MOUNTING



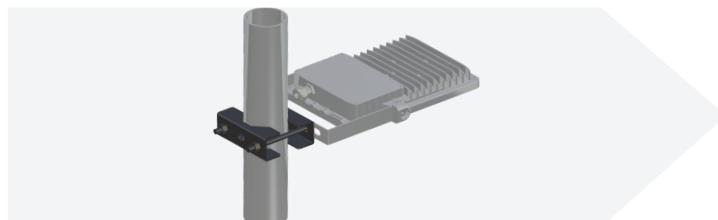
Universal attachment for head pole installation for Ø 60 mm and Ø 76 mm nominal pole



Code
811908

Material:
painted
galvanized steel

POLE MOUNTING



Kit consisting of collar and plate for Ø 60 mm to Ø 80 mm pole mounting



Code
811912

Material:
painted
galvanized steel

ARM MOUNTING



Support for arm installation 750 mm projection



Code
811914

Material:
painted
galvanized steel

Complete the INDUSTRY offer



ALUMINIUM LIGHTING
FLOODLIGHTS



TIGUA

from 6480 lm to 24252 lm



XTIGUA

from 23300 lm to 126412 lm



DARWIN

from 60000 lm to 194400 lm



FLIGHT

from 5250 lm to 10370 lm



META

from 9193 lm to 18387 lm

AISI 316 L STAINLESS STEEL
LIGHTING FLOODLIGHTS



YUMA

da 9620 lm a 25480 lm

Complete the ATEX offer



ALUMINIUM LIGHTING
FLOODLIGHTS FOR ZONE 1,2,21,22



TIGUA-EX
zone 1, 2, 21, 22
from 5808 lm to 16560 lm



XTIGUA-EX
zone 1, 2, 21, 22
from 17365 lm to 33120 lm

ALUMINIUM LIGHTING
FLOODLIGHTS FOR ZONE 2,21,22



TIGUA-EX
zone 2, 21, 22
from 6312 lm to 18000 lm



XTIGUA-EX
zone 2, 21, 22
from 19630 lm to 36864 lm

Online
catalogue





Always a step ahead
creating a lasting impact

Customer focused operations
Smart engineering
Top Manufacture
Service excellence



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Palazzoli