

# LED Micro Pinguino - LED Pinguino - LED Puma - LED Maxi Puma



Gamma completa di proiettori ideale per illuminare parcheggi, piazzali, facciate, zone carico-scarico e grandi aree in generale.

**Installazione:** su superfici verticali e orizzontali.

**Corpo e telaio:** in alluminio pressofuso UNI EN 1706 verniciato con polvere termoindurente poliestere.

**Staffa di fissaggio:** in acciaio, verniciata con polvere termoindurente poliestere, con goniometro graduato per un corretto puntamento del fascio luminoso.

**Verniciatura:** di tipo poliestere eseguita a polvere, resistente agli agenti atmosferici, alla corrosione. Grigio RAL 9007.

**Ottica:** concentrante, semi concentrante, diffondente e asimmetrica.

**Schermo:** vetro temprato di spessore 4mm resistente agli shock termici e agli urti.

**Sorgente:** LED **SAMSUNG**

**Temperatura di colore:** 4000K; altre temperature di colore a richiesta (2200K - 2700K - 3000K - 5000K - Consegna 60 giorni).

**Protezione alle sovratensioni inclusa:**

Modo differenziale 6kV (L-N)

Modo comune 8kV (L-GND, N-GND, L&N-GND)

**A richiesta:** versione con protezione maggiorata (10kV) contro gli impulsi aggiungendo il cod. RO0640/N.

Mantenimento del flusso luminoso minimo al 80% - 80.000h (L80B20).

**Driver:** incorporato   
Fattore di potenza  $\geq 0,95$ .

**Norme di riferimento:** IEC 61000-4-5; EN60598-1; EN60598-2-1; EN62471; EN62031; EN60598-2-5; EN61547

*Complete range projectors perfect to light up car parks, squares, facades, loading and unloading areas and large areas in general.*

*Installation: on vertical and horizontal surfaces.*

*Housing and frame: made by UNI EN 1706 die-cast aluminum, coated with polyester thermoset powder.*

*Fixing bracket: made by stainless steel, coated with polyester thermoset powder, with graduated goniometer to allow the correct orientation of light beam*

*Coating: coated with powdered polyester, resistant to atmospheric agents and corrosion. RAL 9007 Grey.*

*Optic: clumping, semi-clumping, diffused and asymmetric*

*Shield: tempered glass with 4mm thickness resistant to thermal shocks and collisions.*


*Light source: LED **SAMSUNG***

*Color temperature: 4000K; other color temperatures available on demand (2200K - 2700K - 3000K - 5000K. Delivery time: 60 days)*

*Protection against overvoltages included: Differential mode 6kV (L-N)*

*Standard mode 8kV (L - GND, N-GND, L&N-GND).*

*Maintenance of minimum luminous flux to 80% - 80.000h (L80B20).*

*Driver: included   
Power factor  $\geq 0,95$*

*Standard reference: IEC 61000-4-5; EN60598-1; EN60598-2-1; EN62471; EN62031; EN60598-2-5; EN61547*

La certificazione fotometrica dei nostri apparecchi viene sempre effettuata da un istituto esterno. Efficienza luminosa e "lm Output" sono quindi il risultato di tale istituto.

*The photometric certification of our appliances is always carried out by an external institute. Luminous efficiency and "lm Output" are therefore the result of this institute.*

A richiesta - On demand



**0-10V**

**DYNA  
control**

**WIRELESS**

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# LED Micro Pinguino - LED Pinguino - LED Puma - LED Maxi Puma



LED Maxi Puma - LED Maxi Puma ASY

LED Puma - LED Puma ASY

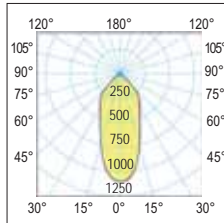
LED Pinguino - LED Pinguino ASY

LED Micro Pinguino





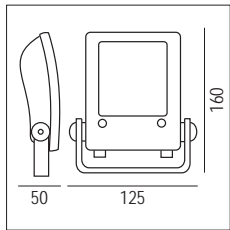
# LED Micro Pinguino



40°  
Intermedio - Medium



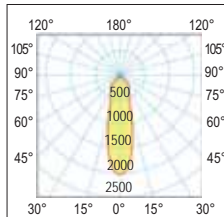
220-240 Vac	110 Vac a richiesta on demand	50/60 Hz	IP66	IK09	CRI >80	+40°C -20°C	850°		
	CE				RG0	LOW FLICKER			



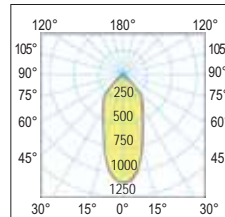
colour	W	LED	angle	K	nominal Im tc = 25°C	Im output	lm/W	pcs	Kg	CELL
B	15	N° 4 Led SMD	40°	3000	2100	1400	90	8	0,50	28211/LED
B	15	N° 4 Led SMD	40°	4000	2100	1400	90	8	0,50	28212/LED
G	15	N° 4 Led SMD	40°	3000	2100	1400	90	8	0,50	28213/LED
G	15	N° 4 Led SMD	40°	4000	2100	1400	90	8	0,50	28214/LED
N	15	N° 4 Led SMD	40°	3000	2100	1400	90	8	0,50	28215/LED
N	15	N° 4 Led SMD	40°	4000	2100	1400	90	8	0,50	28216/LED

A richiesta: ottica 25° - On demand: optic 25°

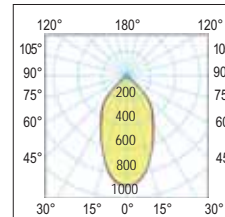
# LED Pinguino



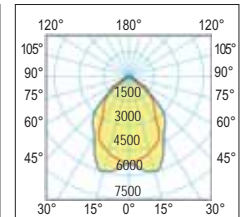
25°  
Semi-concentrante - Spot



40°  
Intermedio - Medium

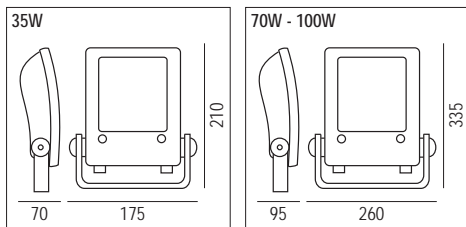


60°  
Semi-diffondente - Flood



90°  
Diffondente - Wide

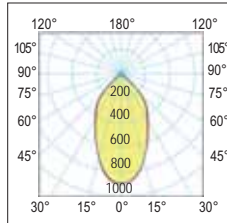
220-240 Vac	110 Vac a richiesta on demand	50/60 Hz	IP66	IK09	CRI >80	+40°C -20°C	850°		
	CE				RG0	LOW FLICKER			



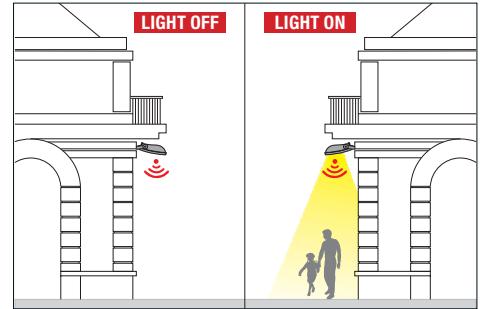
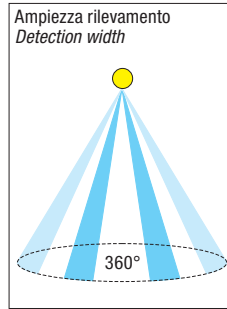
colour	W	LED	angle	K	nominal Im tc = 25°C	Im output	lm/W	pcs	Kg	CELL
G	35	N° 1 Led COB 026	25°	4000	5870	4514	132	4	3,20	28203/LED/25
0-10V	G	70	N° 1 Led COB 040	25°	4000	8470	7700	4	3,20	28208LED25S
G	35	N° 1 Led COB 026	40°	4000	5870	4514	132	4	3,20	28203/LED/40
0-10V	G	70	N° 1 Led COB 040	40°	4000	8470	7700	4	3,20	28208LED40S
G	35	N° 1 Led COB 026	60°	3000	5870	4514	132	4	3,20	28203/L/60-3K
G	35	N° 1 Led COB 026	60°	4000	5870	4514	132	4	3,20	28203/LED/60
0-10V	G	70	N° 1 Led COB 040	60°	4000	8470	7700	4	3,20	28208LED60S
G	100	N° 3 Led COB 026	90°	3000	12100	11000	110	4	3,50	28209/L/S-3K
G	100	N° 3 Led COB 026	90°	4000	12100	11000	110	4	3,50	28209/LED/S

# LED Pinguino EYE - Luce solo all'occorenza - *Light only when needed*

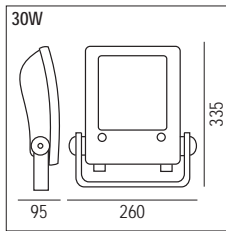
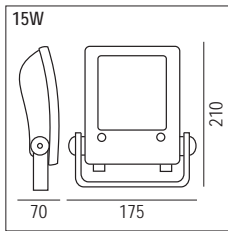
**NEW**



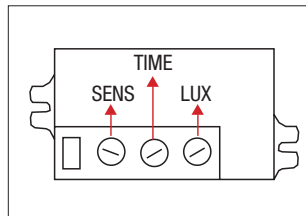
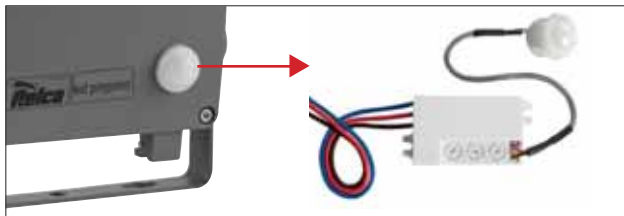
60°  
Semi-diffondente - Flood



220-240 Vac	110 Vac a richiesta on demand	50/60 Hz	IP66	IK09	CRI >80	+40°C -20°C	850°		<b>DRIVER INCLUDED</b> <b>MULTIPOWER</b>
	CE				RG0	LOW FLICKER		<b>DRIVER INCLUDED</b> <b>RIPPLE FREE</b>	



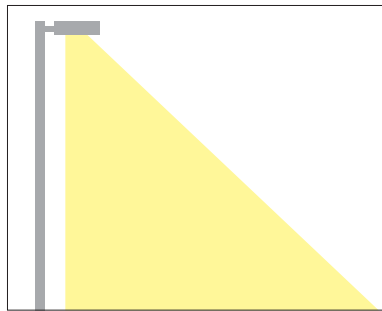
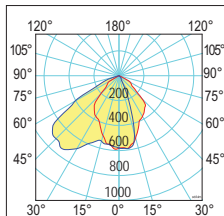
colour	W	LED	angle	K	nominal lm tc = 25°C	lm output	lm/W	pcs	Kg	CELL
G	15	N° 1 Led COB 026	60°	2700	2200	1800	120	4	0,50	28201/LED/EYE
G	15	N° 1 Led COB 026	60°	3000	2200	1800	120	4	0,50	28202/LED/EYE
G	15	N° 1 Led COB 026	60°	4000	2200	1800	120	4	0,50	28203/LED/EYE
G	30	N° 1 Led COB 026	60°	2700	4400	3600	120	4	0,50	28204/LED/EYE
G	30	N° 1 Led COB 040	60°	3000	4400	3600	120	4	0,50	28205/LED/EYE
G	30	N° 1 Led COB 040	60°	4000	4400	3600	120	4	0,50	28206/LED/EYE



Settaggio di fabbrica - Factory setting	
Sensibilità - Sensibility	4 m
Tempo - Time	Ritardato 10s - 10s delayed
Luminosità - Luminosity	Accensione 30 Lux - 30 Lux lighting

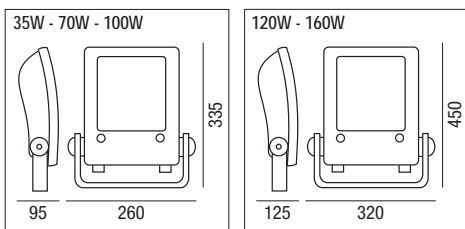


# LED Pinguino ASY - LED Puma ASY



**ASY**  
Asimmetrico - *Asymmetric*

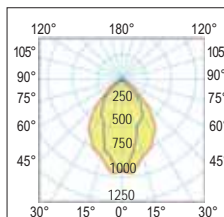
220-240 Vac	110 Vac a richiesta on demand	50/60 Hz	IP66	IK09	CRI >80	+40°C / -20°C	850°		<b>DRIVER INCLUDED</b> MULTIPOWER
							LOW FLICKER	<b>DRIVER INCLUDED</b> RIPPLE FREE	



colour	W	LED	angle	K	nominal Im <sub>tc = 25°C</sub>	Im output	lm/W	pcs	Kg	CELL
G	35	N° 1 Led COB 026	ASY	3000	4700	3500	100	4	3,20	28203/L/AS-3K
G	35	N° 1 Led COB 026	ASY	4000	4700	3500	100	4	3,20	28203/LED/AS
G	70	N° 1 Led COB 040	ASY	3000	9450	7000	100	4	3,20	28208LEDAS3KS
G	70	N° 1 Led COB 040	ASY	4000	9450	7000	100	4	3,20	28208LEDASS
G	100	N° 3 Led COB 026	ASY	3000	13500	10000	100	4	3,20	28209/L/AS-3K
G	100	N° 3 Led COB 026	ASY	4000	13500	10000	100	4	3,20	28209/LED/AS
G	120	N° 2 Led COB 060	ASY	3000	19.300	16800	140	2	5,80	28234LEDAS3KS
G	120	N° 2 Led COB 060	ASY	4000	19.300	16800	140	2	5,80	28234LEDASS
G	160	N° 2 Led COB 060	ASY	3000	25.700	22400	140	2	6,20	28259LEDAS3KS
G	160	N° 2 Led COB 060	ASY	4000	25.700	22400	140	2	6,20	28259LEDASS

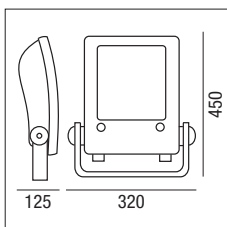
- 0-10V**
- 0-10V**
- 0-10V**
- 0-10V**
- 0-10V**
- 0-10V**

## LED Puma



**40°/80°**  
Ovale diffondente - *Oval flood*

220-240 Vac	110 Vac a richiesta on demand	50/60 Hz	IP66	IK09	CRI >80	+40°C / -20°C	850°		<b>DRIVER INCLUDED</b> MULTIPOWER
							LOW FLICKER	<b>DRIVER INCLUDED</b> RIPPLE FREE	



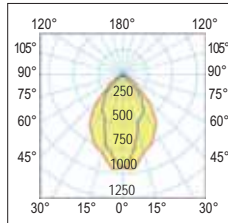
colour	W	LED	angle	K	nominal Im <sub>tc = 25°C</sub>	Im output	lm/W	pcs	Kg	CELL
G	120	N° 2 Led COB 060	40/80°	3000	19.300	16.800	140	2	5,80	28234LED803KS
G	120	N° 2 Led COB 060	40/80°	4000	19.300	16.800	140	2	5,80	28234LED80S
G	160	N° 2 Led COB 060	40/80°	3000	25.700	22.400	140	2	6,20	28259LED803KS
G	160	N° 2 Led COB 060	40/80°	4000	25.700	22.400	140	2	6,20	28259LED80S



A richiesta LED Puma può essere fornito anche in versione emergenza - + Euro 200,00 da prezzo di listino (aggiungere /E dopo il codice)  
On request, LED Puma can also be supplied in an emergency version - + Euro 200.00 from the list price (add / E after the code)



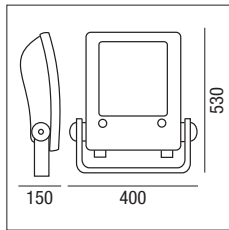
# LED Maxi Puma



**40°/80°**  
Ovale diffondente - Oval flood



220-240 Vac	110 Vac a richiesta on demand	50/60 Hz	IP66	IK09	CRI >80	+40°C -20°C	850°			DRIVER INCLUDED MULTIPOWER
								LOW FLICKER		DRIVER INCLUDED RIPPLE FREE



0-10V

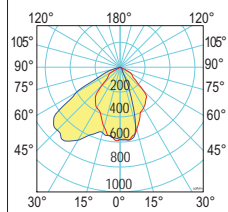
0-10V

colour	W	LED	angle	K	nominal lm tc = 25°C	lm output	lm/W	pcs	Kg	CELL
	220	N° 4 Led COB 060	40/80°	3000	35.400	30.800	140	2	10,00	28235LED803KS
	220	N° 4 Led COB 060	40/80°	4000	35.400	30.800	140	2	10,00	28235LED80S

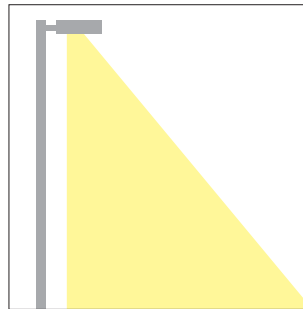


A richiesta LED Puma può essere fornito anche in versione emergenza - + Euro 200,00 da prezzo di listino (aggiungere /E dopo il codice)  
On request, LED Puma can also be supplied in an emergency version - + Euro 200.00 from the list price (add /E after the code)

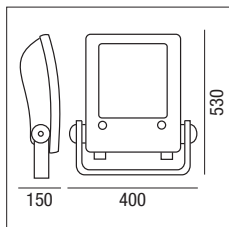
# LED Maxi Puma ASY



**ASY**  
Asimmetrico - Asymmetric



220-240 Vac	110 Vac a richiesta on demand	50/60 Hz	IP66	IK09	CRI >80	+40°C -20°C						
		LOW FLICKER		DRIVER INCLUDED RIPPLE FREE								



0-10V

0-10V

colour	W	LED	angle	K	nominal lm tc = 25°C	lm output	lm/W	pcs	Kg	CELL
	220	N° 4 Led COB 060	ASY	3000	35.400	30.800	140	2	10,00	28235LEDAS3KS
	220	N° 4 Led COB 060	ASY	4000	35.400	30.800	140	2	10,00	28235LEDASS



A richiesta LED Puma può essere fornito anche in versione emergenza - + Euro 200,00 da prezzo di listino (aggiungere /E dopo il codice)  
On request, LED Puma can also be supplied in an emergency version - + Euro 200.00 from the list price (add /E after the code)

# LED Pinguino - LED Puma

## Dettagli - Details



Staffa di fissaggio ruotabile con goniometro. Doppia vite bloccastaffa per resistenza al vento.  
*Rotating support with goniometer and double bracket blocking screws against the wind.*

Alette di raffreddamento maggiorate, pressacavo IP66.  
*Cooling grilles, IP66 cable gland.*



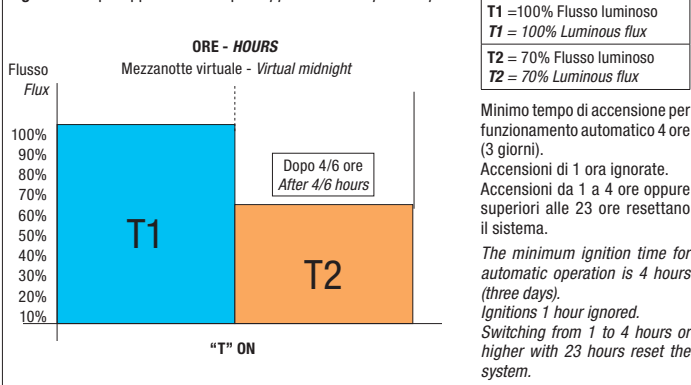
Dispositivo anticondensa: valvola di compensazione e riciclo dell'aria.  
*Anti-condensate device: valve for compensation and circulation of air.*



Tutti i modelli LED Pinguino e LED Puma sono completi di connettore IP68 per una rapida installazione.  
*All LED Pinguino and LED Puma models are complete with IP68 connector for quick installation.*

## Soluzioni NON incluse per aumentare il risparmio energetico NOT included solutions to increase energy saving

Fig. 1 - Esempio applicativo 2 steps - Application example 2 steps



DYNA CONTROL è un sistema di controllo del flusso luminoso delle lampade che si basa sul calcolo della mezzanotte virtuale. Il sistema entra in funzione alla prima accensione calcolando per 3 giorni i tempi di accensione. Il quarto giorno il sistema, in modo autonomo, calcola la mezzanotte virtuale eseguendo una regolazione del flusso e regolando la lampada come indicato sullo schema di Fig. 1. La riduzione del flusso luminoso avviene senza la necessità di alcun cavo di connessione aggiuntivo o dispositivo di comando esterno, questo sistema consente di ottenere un notevole risparmio energetico.

N.B. su richiesta è possibile eseguire la modifica delle impostazioni di fabbrica della mezzanotte virtuale adattandole alle specifiche del cliente.

DYNA CONTROL is a control system for the luminous flux of the lamps which is based on virtual midnight calculation. The system starts running when turned on for the first time, calculating the start-up times for 3 days. On the fourth day, the system automatically calculates the virtual midnight by performing a flux adjustment and adjusting the lamp as indicated on the diagram of Fig. 1. The reduction of the luminous flux occurs without the need for any additional connection cable or external control device. This system can achieve considerable energy saving.

N.B. the factory settings of the virtual midnight can be modified on request, adjusting them to the customer's specifications.

## Accessori non inclusi - Not included accessories



Code: RO0640/N

Dispositivo di protezione conforme alla Norma EN 61547 contro i fenomeni impulsivi atto a proteggere il modulo LED e il relativo alimentatore: classe II (a richiesta protezione fino a 10kV)

Protection device in compliance with the EN 61547 standard to counteract the impulsive phenomena designed to protect the LED module and the relative power supply: class II (protection up to 10kV available on request)



Code: 703952.NEW

Attacco palo per 1 o 2 proiettori, Ø 60/76 mm in ferro verniciato con polveri termoindurenti poliesteri resistenti alla corrosione ed agli agenti atmosferici.

Pole attachment for either 1 or 2 floodlights, size Ø60/76mm made by iron coated with polyester thermosetting powder, offering high resistance to rust and external atmospheric agents



Code: 24184

Staffa per applicazione a parete (solo per i modelli LED Pinguino 70W e LED Pinguino 100W)

Stirrup for wall application (only for LED Pinguino 70W and LED Pinguino 100W models)

