ZETAENNE SRL
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C.F/P.IVA IT04089040408 Reg.Imprese REA FO-329237

TECHNICAL DATA SHEET

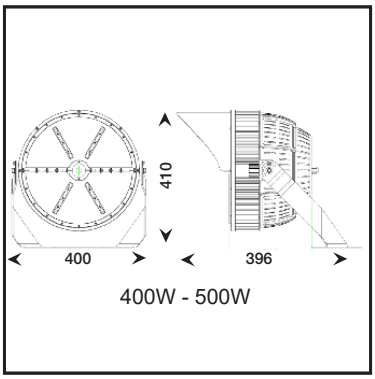
THUNDER

Product typology
CUT-OFF LED luminaire for square plaza, High mast and Contour lighting illumination (IP66) for pole top head or bracket
installation on Ø60 mm poles

Material technical spec
Die-cast aluminum housing (ADC12) powder coated RAL7016
Adjustable top pole-head in die-cast aluminum powder coated RAL7016
Special polyester powder coating to ensure over 10 years protection against weathering
Flat tempered glass diffuser (4 mm thick)
Wiring plate in reinforced thermoplastic black painted
Silicone gasket
Stainless steel A2 screws

Colour: Black

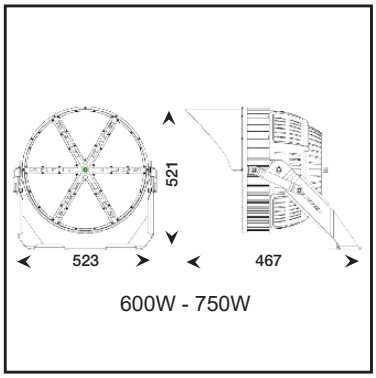
Lighting technical spec
LED light source in a fixed position
Immediately ON at 100% of the light flux (soft start at 0,5 seconds)
Chip Lumileds® Luxeon® 3030 2D (optional Chip Lumileds® Luxeon® 5050)
CUT-OFF luminaire conforming to all regional/local laws against light pollution



400W - 500W

Wiring technical spec
Tool-free semplified maintenance to access the optics
Quick connection between driver and switch through polarized connector
Dimmable driver 1-10 V (standard configuration)
Driver with over-temperature protection
Luminaire equipped with osmotic valve for air and umidity leakage

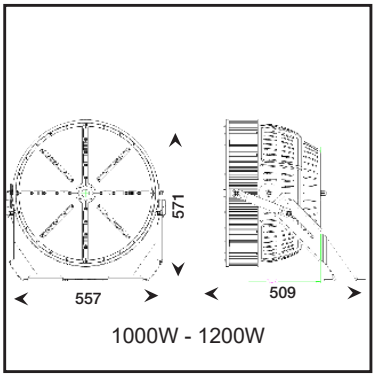
Installation and maintenance technical spec
Luminare for direct installation
M20 cable gland suitable for Ø 6-12 mm cable
No ordinary maintenace needed
Fast tool-free extra-maintenance and possibility to replace the optic group and/or the wiring
No voltage when opening the luminaire through disconnecting switch
Adjustable top pole-head in vertical/horizontal position with adjustable inclination of ±10° (with 5° step)



600W - 750W

Technical spec

- CRI	>70	- Working voltage	100-277 Vac
- Step McAdam	3	- Rated frequency	50/60 Hz
- Luminaire lifetime	L80/B20 80.000 h@25°C	- IP protection	IP66
- RG	1	- Impact Protection Rating	IK08
- Power factor	>0,9	- Overvoltage protection	SPD esterno
- Isolation Class	I, II		



1000W - 1200W

Weight/Dimension	400 - 500 W	600 - 750 W	1000 - 1200 W
Net weight	14,7 kg	27,6 kg	32,8 Kg
Gross weight	17,1 kg	32 kg	37,6 kg
Luminaire dimension	400x396x410 mm	523x467x521 mm	557x509x571 mm
Packaging dimension	480*480*470 mm	630*570*565 mm	680*630*585 mm

All delivered lumen calculatecd at 25°C
ZETAENNE SRL mantains a tolerance of +/-5% on flux, power and CRI measurements
ZETAENNE SRL reserves the right to modify products and data in order to upgrade performance and design features

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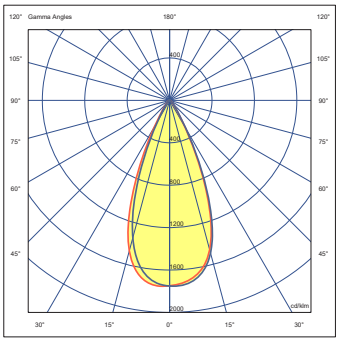
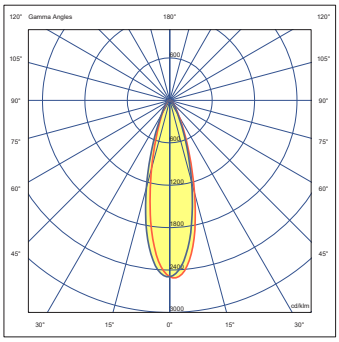
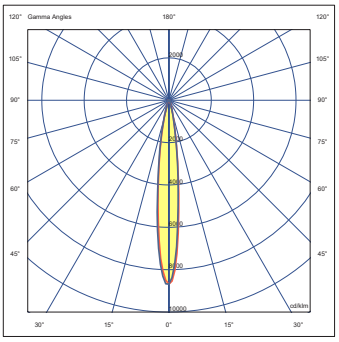
Beam angle:



Lens 42°



Lens 30°



Lens 15°

Codice d'ordine del prodotto - Esempio: BA.1.1.7.400.1.N (THUNDER 42° Classe 1 CRI>70 400W 3000k NERO)						
BA	**1**	**1**	**7**	**400**	**1**	**N**
Prodotto Product	**Ottica** Optical	**Classe** Class	**CRI** CRI	**Potenza** Power	**CCT** CCT	**Colore** Color
BA Proiettori **Thunder**	**1** 30° **2** 15° **3** 42°	**1** Classe 1 **2** Classe 2	**7** CRI >70	**400** 400W **500** 500W **600** 600W **750** 750W **A00** 1000W **A12** 1200W	**1** 3000K **2** 4000K **5** 5500K	**N** NERO - BLACK

Potenza Nominale Nominal Power	Temperatura colore Color temperature	Flusso apaprecchio* Luminaire flux	Efficienza apparecchio Luminaire efficiency	Potenza apparecchio Luminaire consumption	Assorbimento scheda LED PCB LED consumption	Efficienza scheda LED PCB LED efficiency	Flusso scheda LED* PCB LED flux
400 W	4000 K	54.000 lm@ta25°C	>135 lm/W	400 W	364 W	172 lm/W	62.608 lm@ta25°C
500 W	4000 K	65.000 lm@ta25°C	>130 lm/W	500 W	455 W	168 lm/W	76.440 lm@ta25°C
600 W	4000 K	81.000 lm@ta25°C	>135 lm/W	600 W	546 W	172 lm/W	93.912 lm@ta25°C
750 W	4000 K	97.500 lm@ta25°C	>130 lm/W	750 W	682,5 W	168 lm/W	114.660 lm@ta25°C
1000 W	4000 K	135.000 lm@ta25°C	>135 lm/W	1000 W	910 W	170 lm/W	154.700 lm@ta25°C
1200 W	4000 K	156.000 lm@ta25°C	>130 lm/W	1200 W	1080 W	166 lm/W	179.280 lm@ta25°C

conversion factor for lumen at 5500 K: 1,00

CE **IP66** **CUT OFF** **IK08**

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