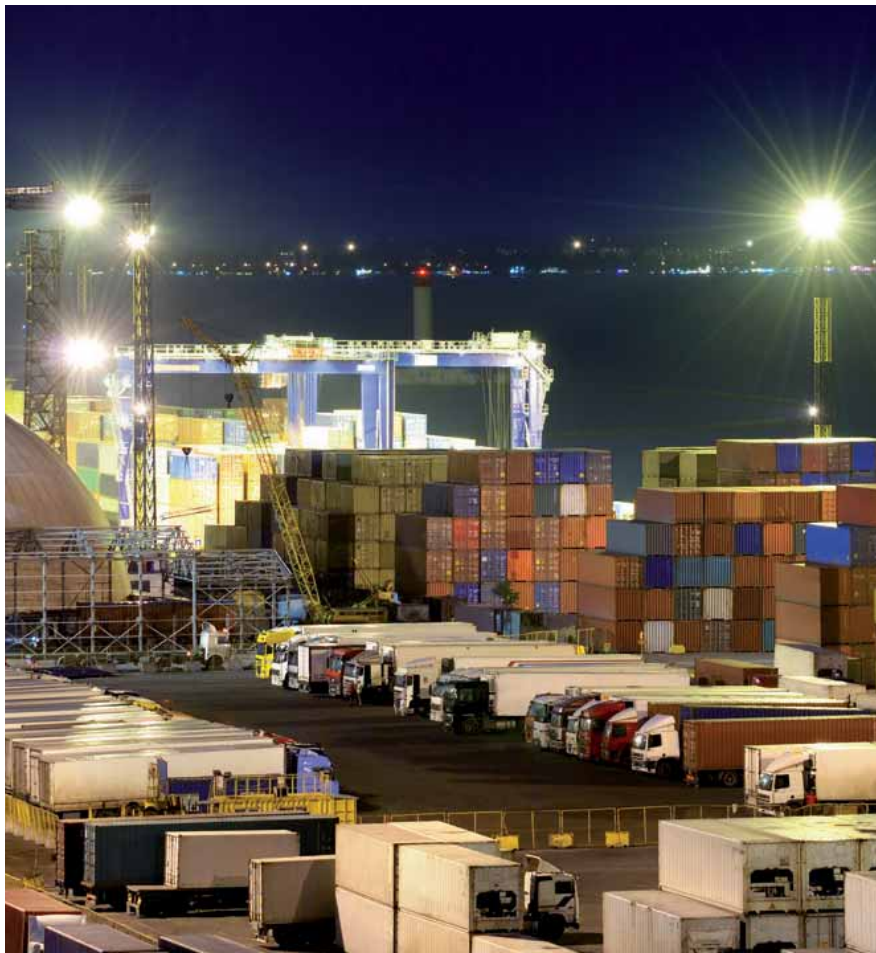


# LED Extreme 300 - 400 - 575 - 700 - ASY



Innovativi proiettori a LED progettati per illuminare campi sportivi, stadi, aree di parcheggio, aeroporti e grandi aree in genere.

**Installazione:** su palo o parete/plafone (completo di staffa di fissaggio).

**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 e alla corrosione. Colore 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 10kV (L-GND, N-GND, L&N-GND)

Mantenimento del flusso luminoso minimo al 80% - 50.000h (L80B10) per il 90% dei LED.

**LED Driver PHILIPS:**

Philips incorporato

Conforme alla Norma: IEC 61000-4-5.

Fattore di potenza:  $\geq 0,98$

**Norme di riferimento:** IEC 61000-4-5;

EN60598-1; EN60598-2-1; EN62471; EN62031;

EN60598-2-5; EN61547

*Innovative LED projectors designed to light up sport fields, stadiums, car parks, airports and wide spaces in general.*

*Installation: on vertical and horizontal surfaces (complete with fixing bracket)*

*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.*

*Grey colour RAL 9007*

*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 10kV (L - GND, N-GND, L&N-GND).*

*Maintenance of minimum luminous flux to 80% - 50.000h (L80B10) for 90% of LED.*

*LED Driver PHILIPS:*

*PHILIPS included*

*Conforming to IEC 61000-4-5.*

*Power factor:  $\geq 0,98$*

*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

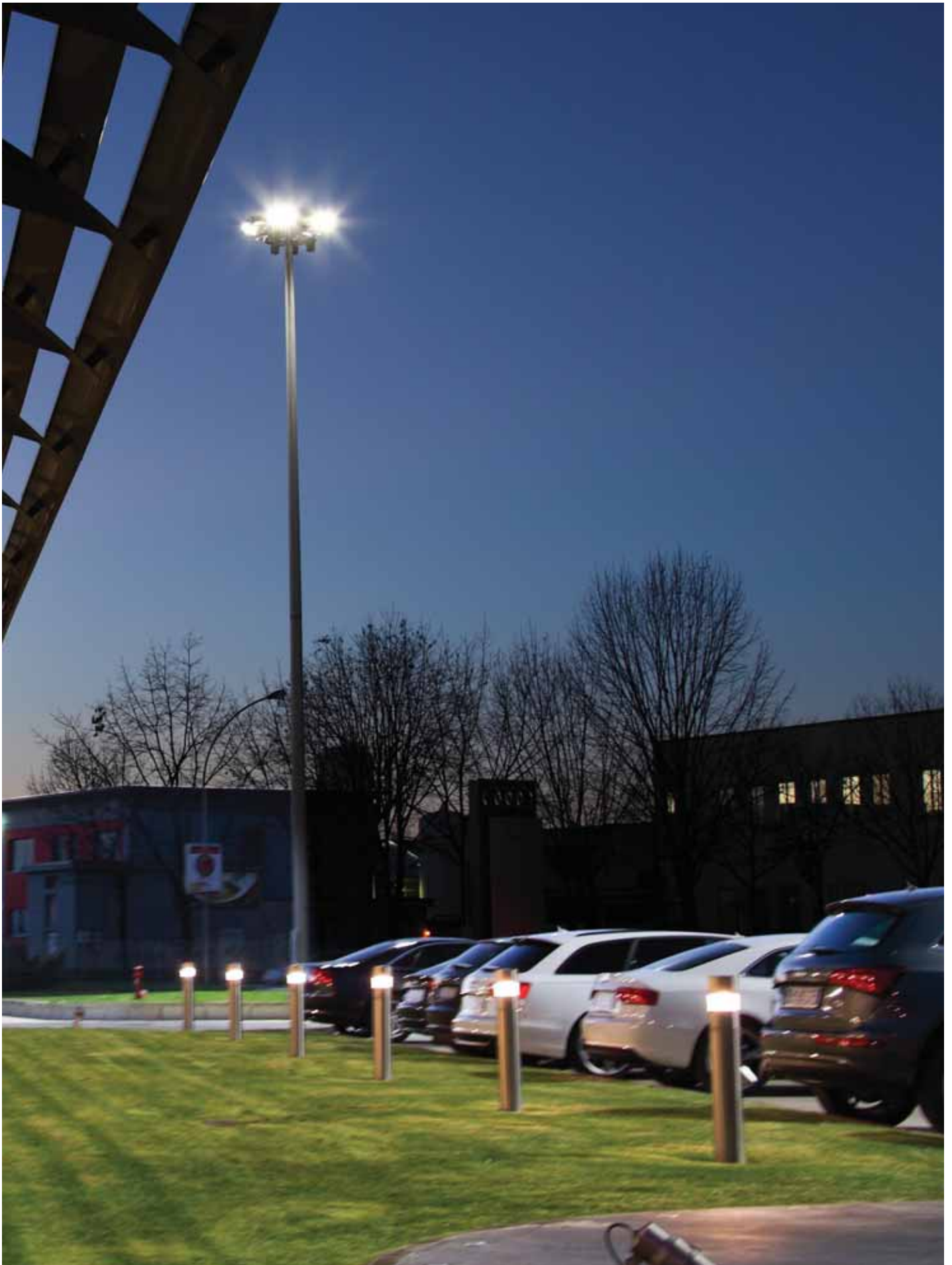
**DYNA  
control**

Pag. 79

**WIRELESS**

Pag. 80

LED Extreme 300 - 400 - 575 - 700 - ASY



# LED Extreme 300 - 400 - 575 - 700 - ASY

Floodlight



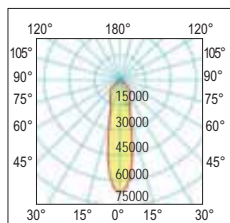
LED Extreme ASY - 275 - 400

LED Extreme 300 - 400 - 575 - 700

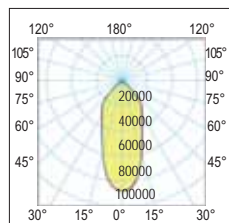
LED Extreme 232 RGB



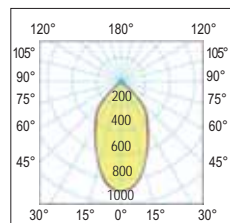
# LED Extreme 300



**25°**  
Semi-concentrate - Spot



**40°**  
Intermedio - Medium



**60°**  
Semi-diffondente - Flood

Driver DALI multipower PHILIPS incluso. A secondo delle esigenze è possibile diminuire la potenza e di conseguenza il valore dei Lumen

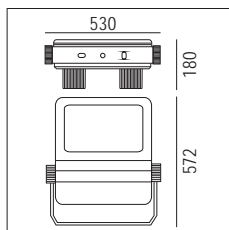
Included LED Driver DALI multipower PHILIPS. According to the needs it is possible to reduce the Wattage and consequently the value of the Lumens

220-240 Vac    110 Vac a richiesta on demand

50/60 Hz    IP66    IK08

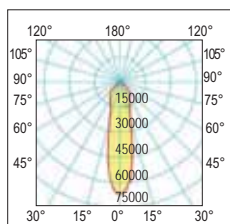
CRI >80    +40°C -20°C a richiesta on demand

850°

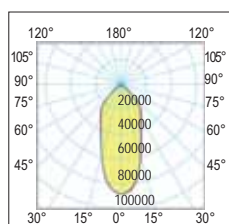


	colour	W	LED	angle	K	nominal lm tc = 25°C	lm output	lm/W	pcs	Kg	CELL
DALI	G	300	N° 8 Led COB 026	25°	3000	48.300	42.000	140	1	16,00	555300.0320PL
DALI	G	300	N° 8 Led COB 026	25°	4000	48.300	42.000	140	1	16,00	555300.0420PL
DALI	G	300	N° 8 Led COB 026	40°	3000	48.300	42.000	140	1	16,00	555300.0340PL
DALI	G	300	N° 8 Led COB 026	40°	4000	48.300	42.000	140	1	16,00	555300.0440PL
DALI	G	300	N° 8 Led COB 026	40°	5000	48.300	42.000	140	1	16,00	555300.0540PL
DALI	G	300	N° 8 Led COB 026	60°	3000	48.300	42.000	140	1	16,00	555300.0360PL
DALI	G	300	N° 8 Led COB 026	60°	4000	48.300	42.000	140	1	16,00	555300.0460PL
0-10V	G	300	N° 8 Led COB 026	25°	4000	48.300	42.000	140	1	16,00	555400.0420PL
0-10V	G	300	N° 8 Led COB 026	40°	4000	48.300	42.000	140	1	16,00	555400.0440PL
0-10V	G	300	N° 8 Led COB 026	60°	4000	48.300	42.000	140	1	16,00	555400.0460PL

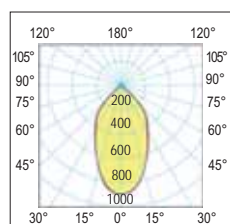
# LED Extreme 575



**25°**  
Semi-concentrate - Spot



**40°**  
Intermedio - Medium



**60°**  
Semi-diffondente - Flood

Driver DALI multipower PHILIPS incluso. A secondo delle esigenze è possibile diminuire la potenza e di conseguenza il valore dei Lumen

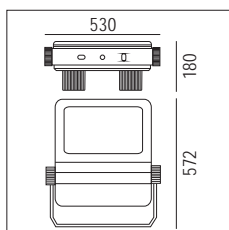
Included LED Driver DALI multipower PHILIPS. According to the needs it is possible to reduce the Wattage and consequently the value of the Lumens

220-240 Vac    110 Vac a richiesta on demand

50/60 Hz    IP66    IK08

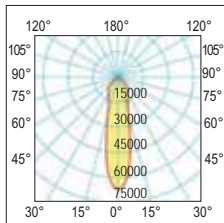
CRI >80    +40°C -20°C a richiesta on demand

850°

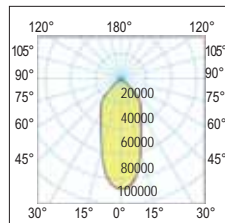


	colour	W	LED	angle	K	nominal lm tc = 25°C	lm output	lm/W	pcs	Kg	CELL
DALI	G	500	N° 12 Led COB 040	25°	3000	80.500	70.000	140	1	22,00	555600.0320
DALI	G	500	N° 12 Led COB 040	25°	4000	80.500	70.000	140	1	22,00	555600.0420
DALI	G	500	N° 12 Led COB 040	40°	3000	80.500	70.000	140	1	22,00	555600.0340
DALI	G	500	N° 12 Led COB 040	40°	4000	80.500	70.000	140	1	22,00	555600.0440
DALI	G	500	N° 12 Led COB 040	40°	5000	80.500	70.000	140	1	22,00	555600.0540
DALI	G	500	N° 12 Led COB 040	60°	3000	80.500	70.000	140	1	22,00	555600.0360
DALI	G	500	N° 12 Led COB 040	60°	4000	80.500	70.000	140	1	22,00	555600.0460

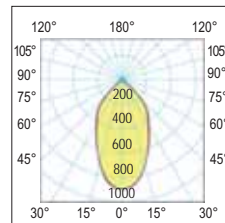
# LED Extreme 700



**25°**  
Semi-concentrante - Spot



**40°**  
Intermedio - Medium

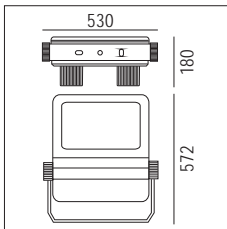


**60°**  
Semi-diffondente - Flood

Driver DALI multipower PHILIPS incluso. A secondo delle esigenze è possibile diminuire la potenza e di conseguenza il valore dei Lumen

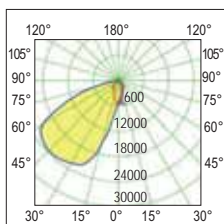
Included LED Driver DALI multipower PHILIPS. According to the needs it is possible to reduce the Wattage and consequently the value of the Lumens

220-240 Vac | 110 Vac a richiesta on demand | 50/60 Hz | IP66 | IK08 | CRI >80 | +40°C / -20°C | +50°C / -20°C a richiesta on demand | 850° | DRIVER INCLUDED RIPPLE FREE | CE | 17 | RGO | LOW FLICKER

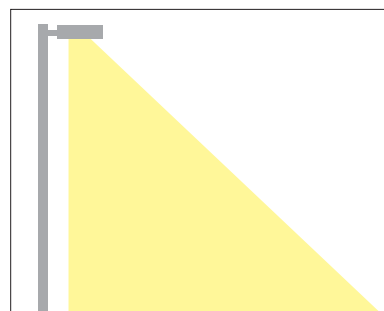


	colour	W	LED	angle	K	nominal Im tc = 25°C	Im output	lm/W	pcs	Kg	CELL
DALI	G	600	N° 12 Led COB 060	25°	3000	96.600	84.000	140	1	20,90	555660.0320
DALI	G	600	N° 12 Led COB 060	25°	4000	96.600	84.000	140	1	20,90	555660.0420
DALI	G	600	N° 12 Led COB 060	40°	3000	96.600	84.000	140	1	20,90	555661.0340
DALI	G	600	N° 12 Led COB 060	40°	4000	96.600	84.000	140	1	20,90	555661.0440
DALI	G	600	N° 12 Led COB 060	40°	5000	96.600	84.000	140	1	20,90	555662.0540
DALI	G	600	N° 12 Led COB 060	60°	3000	96.600	84.000	140	1	20,90	555663.0360
DALI	G	600	N° 12 Led COB 060	60°	4000	96.600	84.000	140	1	20,90	555663.0460
DALI	G	600	N° 12 Led COB 060	60°	5000	96.600	84.000	140	1	20,90	555662.0560

# LED Extreme ASY



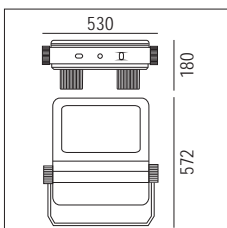
**ASY**  
Asimmetrico - Asymmetric



Driver DALI multipower PHILIPS incluso. A secondo delle esigenze è possibile diminuire la potenza e di conseguenza il valore dei Lumen

Included LED Driver DALI multipower PHILIPS. According to the needs it is possible to reduce the Wattage and consequently the value of the Lumens

220-240 Vac | 110 Vac a richiesta on demand | 50/60 Hz | IP66 | IK08 | CRI >80 | +40°C / -20°C | +50°C / -20°C a richiesta on demand | 850° | DRIVER INCLUDED RIPPLE FREE | CE | 17 | RGO | LOW FLICKER



	colour	W	LED	angle	K	nominal Im tc = 25°C	Im output	lm/W	pcs	Kg	CELL
DALI	G	275	N° 6 Led COB 060	ASY	3000	44.200	38.500	140	1	22,00	555300.A300
DALI	G	275	N° 6 Led COB 060	ASY	4000	44.200	38.500	140	1	22,00	555300.A400
0-10V	G	300	N° 6 Led COB 060	ASY	4000	48.300	42.000	140	1	22,00	555300
DALI	G	400	N° 6 Led COB 080	ASY	3000	64.400	56.000	140	1	22,00	555400.A300
DALI	G	400	N° 6 Led COB 080	ASY	4000	64.400	56.000	140	1	22,00	555400.A400

# LED Extreme 300 - 575 - 700 - ASY

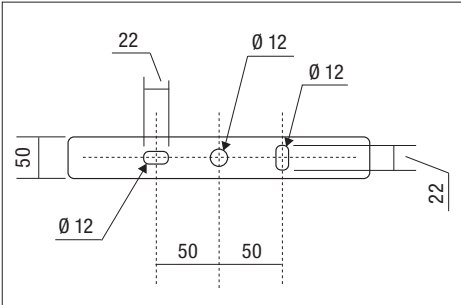
## Dettagli - Details



Dissipatori di calore in alluminio con altissimo potere dissipante.  
*Heat sink made by anodized aluminium with very high dissipating power*



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



Staffa di fissaggio  
*Mounting bracket*



Completo di connettore IP68 per una rapida installazione  
*Complete with IP68 connector for quick installation*

Struttura in lega di alluminio verniciata a polveri epossidiche  
*Aluminum alloy structure coated with epoxy powder*

Piastra posteriore in alluminio anodizzato  
*Natural anodized aluminum back plate*

Riflettori in policarbonato  
*Polycarbonate reflectors*

Staffa di aggancio regolabile con fissaggio meccanico e indicatore graduato  
*Adjustable hooking bracket with mechanical fasteners and graduated indicator*

Vano di alimentazione protetto con guarnizioni silconiche e pressacavo IP68  
*Protected power supply compartment with silicone gaskets and IP68 cable gland*



LED SAMSUNG

Schermo di protezione in vetro borosilicato trasparente extra-chiaro  
*Extra clear protection screen made of borosilicate glass*

Dispositivo di protezione contro fulmini e sovra correnti/tensioni (a richiesta)  
*Over current/tension and lighting protection device (on demand)*

LED Driver PHILIPS DALI

**LED Driver Philips Xitanium completamente programmabili. Funzioni opzionali abilitabili dall'utente tramite programmatore (NON fornito).**  
- Interfaccia di controllo: AmpDim  
- Dimmerazione autonoma tramite DynaDimmer integrato  
- Protezione termica per LED Driver (DLT)  
- Uscita luce costante (CLO)  
- Uscita luce regolabile (ALO)

**Fully programmable Philips Xitanium LED Driver. Optional functions that can be enable by the user, through a programmer (NOT supplied)**  
- Control interface: AmpDim  
- Autonomous dimming via integrated DynaDimmer  
- Thermal protection for LED Driver (DLT)  
- Constant lighting output (CLO)  
- Adjustable light output (ALO)

Compreso di connettore IP68 5 poli (maschio montato sul prodotto e femmina a corredo)  
*With the lamp is including a 5 pole connector IP68 (male mounted on product and female included)*

# LED Extreme 300 - 575 - 700 - ASY

## Accessori non inclusi - *Not included accessories*



Cod. 703952.NEW

Attacco palo per l'installazione di 1 proiettore, Ø 60/76 mm. In ferro verniciato con polveri termoindurenti poliesteri resistenti alla corrosione ed agli agenti atmosferici.

*Pole attachment for the installation of 1 projector, size Ø 60/76 mm. Iron coated with polyester thermosetting powder coating, offering high resistance to rust and external atmospheric agents.*



Cod. 800011.0101

Griglia di protezione  
*Protection grid*



**A richiesta:** verniciatura resistente a 2.000 ore di esposizione alla nebbia salina in accordo alla norma ISO 9227 certificato da Ente esterno.

*On request: painting resistant to 2,000 hours of exposure to salt spray in accordance with ISO 9227 certified by an external body.*

Aqaba Football Field stadium, Giordania



Quando guardiamo una trasmissione televisiva, può capitare di notare un fastidioso sfarfallio durante la riproduzione delle immagini a rallentatore. Il fenomeno, detto anche "flicker", affatica la vista e distrae il telespettatore soprattutto durante le riprese a "moviola". Le cause dello sfarfallio possono variare in base alla frequenza della modulazione, la fluttuazione di tensione ed il numero di fotogrammi al secondo. Generalmente uno sfarfallio inferiore al 5% non dà alcun fastidio durante le riprese a "moviola" fino a 150 fotogrammi al secondo. Un sistema di illuminazione con un fattore di sfarfallio (FF) inferiore a 5% è in grado di eliminare lo sfarfallio percepito in quasi tutte le frequenze dei fotogrammi utilizzate nelle riprese sportive.

*During a broadcast it is not uncommon to perceive an annoying flicker especially during slow motion. This flicker is distracting and should be eliminated where possible. The circumstances that produce the flicker vary upon the frequency modulation, voltage and camera frame rate. The table below provides a general rule of flicker factor values produced by various lighting systems. A flicker factor of less than 5% will generally not cause problems for slow motion replays at up to 150 frames per second. A lighting system with a flicker factor of less than 5% will eliminate the perceived flicker at most frame rates per second used within the sports television industry. The acceptable level of flicker factor (FF) is indicated in the Illuminance Category Tables.*