





LASER are powerful floodlights for outdoor use with asymmetrical light beam distribution, suitable to light medium-large surfaces from big heights (12÷30m), lowering light dissipation towards the sky to a minimum level.

The lamp is easy to reach opening the fitting back cover. LASER floodlights are so specially suitable when it is only possible to access the fittings for maintenance from the rear.

LASER es un proyector potente para montaje exterior distribución luminica asimétrica, apropiada para iluminar áreas medias y grandes sobre una columna de 12 hasta 30m con la mínima polución aérea.

El acceso a lámpara es fácil desde tapa en la parte posterior del proyector. LASER proyector especial cuando solo se puede acceder a mantenimiento parte posterior.

LASER



SBP

design Ufficio Tecnico SBP







LASER are powerful asymmetrical fittings for 1000W and 2000W suitable for outdoor installation, particularly recommended for highlighting medium-large sport facilities, golf courses, ski slopes, motorway intersections, large car parks etc.

The asymmetrical fittings enable realisation of lighting installations in accordance with the latest norms for zero pollution (skies).

The back side opening of the cover, hinged to the body, allows an easy relamping.

To suit user needs, LASER floodlights are available with medium beam (M) and narrow beam (INT) reflectors, with a wide range of accessories.

Models for MHN-LA 1000W and 2000W lamps are available for lighting installations with excellent chromatic resolution suitable for live colour television broadcasting.

LASER, esta serie de proyectores la componen una gama de alta potencia, 1000W 2000W, asimétricos para exteriores, especialmente diseñada para espacios deportivos, gres de golf, rampas de saltos sky, cruces de autopistas, aparcamientos grandes, etc.

Estos proyectores están diseñados par evitar la polución lumínica.

La parte trasera dispone de una tapa para acceder a cambio de lámpara.

Para atender las especificaciones de los Clientes se fabrica con reflectores medio intensivo (M) Intensiva (INT) con una gran variedad de accesorios.

Los modelos de lámparas MHN-LA 1000W y 2000W, permiten realizar proyectos con gran calidad cromática para transmisiones de TV de color.







STRUCTURAL CONSTRUCTION

- Body sandblasted chrome treated are painted in aluminium grey RAL 9006. Corrosion resistant.
- The cover is hinged at rear of the body.
- Aluminium connection box complete with technopolymer cover.
- Reflectors in pure polished and anodised aluminium with medium narrow beam (M) and narrow beam (INT).
- The lamps are retained by a stainless steel support to avoid vibration.
- Toughened safety glass hinged to the body by stainless steel clips.
- Direct to glass and cover high efficiency, dual foam silicone gaskets.
- Hot galvanized stainless steel bracket.
- Bracket fixing, operating in all conditions, with graded goniometer (5° grading) for fitting adjustment.
- Goniometer for the vertical adjustment of the fitting.
- Stainless steel external screws.



CARACTERISTICAS DE FABRICACION

- *Cuerpo y tapa de aluminio inyectado, arenado, cromado y pintado en aluminio gris RAL 9006. Resistente a la corrosión.*
- *La tapa se sujeta en la parte de atrás del cuerpo mediante bisagras.*
- *Caja de aluminio de conexiones con tapa de termoplástico imperdible.*
- *Reflectores en aluminio puro anodizado brillante, semi intensivo (M) e intensivo (INT)*
- *Las lámparas se sujetan con soportes de acero inoxidable anti vibración.*
- *Vidrio templado y securizado, sujeto al cuerpo mediante clips inoxidables.*
- *Juntas de silicona depositadas directamente sobre el vidrio y cubierta.*
- *Lira de sujeción en acero galvanizado en caliente.*
- *Sistema de sujeción de la lira mediante cremallera goniómetro de graduación 5°.*
- *Goniómetro vertical de ajuste de proyector.*
- *Tornillos exteriores de acero inoxidable.*

Para el control correcto debe instalarse (Balasto+Condensador+Arrancador) se puede suministrar en caja (BOX/AL o BOX/PA) o en un soporte, deben pedirse aparte.

For the supply the correct control gear (ballasts + ignitor + capacitors) must be used. It is available in a box (BOX/AL or BOX/PA) or on a gear tray to be ordered separately.

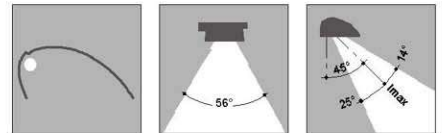
SBP

TECHNICAL AND UTILIZATION DATA DATOS TECNICOS Y DE MONTAJE

				IK 08 8 J			max 22.5Kg					
CLASS 		94	IP 65					ST 1000W	MT 1000W	MT 2000W	MN 1000W	MN 2000W

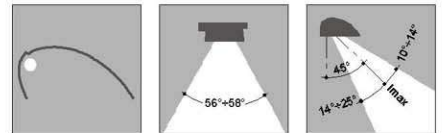


94		LASER/M - E40				
	01150013	1000/2000		E40	2000W	HQI-T/HPI-T
				E40	1000W	NAV-T/SON-T/ HQI-T/D / HPI-T

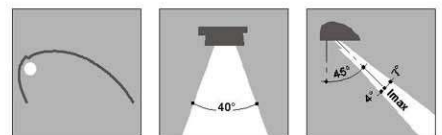


94		LASER/M - MH-LA				
	• 01004801	1001 10,3A		-	1000W/230V	MHN-LA
	• 01986013	2001 10,3A		-	2000W/400V	MHN-LA

• Fittings complete with ignitor housing and triple pole ignitor (5000V).
 Proyector completo con caja para arrancador de tres polos instalado (5.000V).

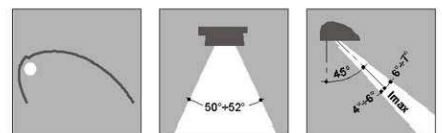


94		LASER/INT - E40				
	01208013	1000/2000		E40	2000W	HQI-T/HPI-T
				E40	1000W	NAV-T/SON-T/ HQI-T/D / HPI-T



94		LASER/INT - MH-LA				
	• 01004901	1001 10,3A		-	1000W/230V	MHN-LA
	• 01987013	2001 10,3A		-	2000W/400V	MHN-LA




• Fittings complete with ignitor housing and triple pole ignitor (5000V).
 Proyector completo con caja para arrancador de tres polos instalado (5.000V).

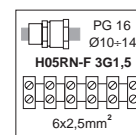
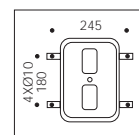




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





Supply Box/PA Caja/PA para alimentacion

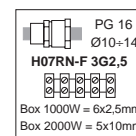
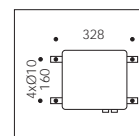
- 14261013 PA 1000 CRF 8,3A  1000W/230V HPI-T
- 14104003 PA 1002 CRF 9,5+10,3A  1000W/230V NAV-T/SON-T/HQI-T/D
- 14215003 PA 1002 CRF 9,5+10,3A  1000W/230V MHN-LA



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Supply Box/AL Caja/AL para alimentacion

- 14017694 AL 1000 CRF 8,3A  1000W/230V HPI-T
- 14017794 AL 1002 CRF 9,5+10,3A  1000W/230V NAV-T/SON-T/HQI-T/D
- 14013320 AL 1002 CRF 9,5+10,3A  1000W/230V MHN-LA
- 14106003 AL 2000 CR 10,3A  2000W/400V HQI-T  MHN-LA
- 14274013 AL 2002 CR 16,5A  2000W/230V HPI-T
- 14045020 AL 2002 CR 16,5A  2000W/230V HPI-T








- Complete with ignitor.
Completo con arrancador.
- Without ignitor.
Sin arrancador.



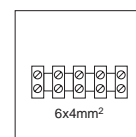
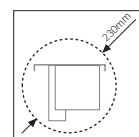
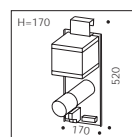
A0239 / 1000






A0238 / 2000

- 14025701 A0239/1000 - 8,3A  E40 1000W HPI-T
- 14020701 A0239/1002 - 10,3A  E40 1000W NAV-T/SON-T/HQI-T/D
- 14020601 A0238/2000 - 10,3A  1000W MHN-LA
- 14020601 A0238/2000 - 10,3A  2000W MHN-LA
- 14020601 A0238/2000 - 10,3A  E40 2000W HQI-T

- Without ignitor - a separate suitable ignitor for the lamp used is to be mounted (see on page 48).
- Sin arrancador-debe montarse uno apropiado para la lámpara.



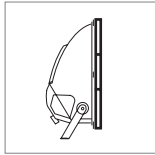
W				BOX/PA	BOX/AL
1000W	HPI-T			14261013 - PA 1000	
1000W	HQI-T/D		NAV-T	14104003 - PA 1002	
1000W			MHN-LA	14215003 - PA 1002	
1000W	HPI-T				14017694 - AL 1000
1000W	HQI-T/D		NAV-T		14017794 - AL 1002
1000W			MHN-LA		14013320 - AL 1002
1000W	HQI-T				14106003 - AL 2000
2000W	HQI-T		MHN-LA		14274013 - AL 2002
2000W	HPI-T				14045020 - AL 2002
2000W	HPI-T				



BOX / PA



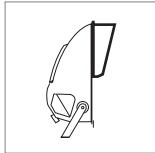
BOX / AL



14454993 - A0134

Protection grill in strong steel wire (20J).

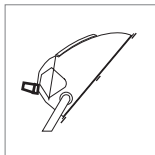
Reja de protección de acero zincado (20 Julios).



14224013 - A0054 - 94

Light hood in aluminium grey RAL 9006 painted sheet steel.

Visera de acero galvanizado pintado gris aluminio RAL 9006.



14172003 - A0075 - 94




IP65 ignitor housing, designed to hold the ignitor on the fitting.

Bote para instalación del arrancador, montaje directamente en el proyector.



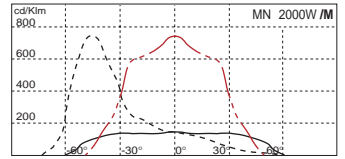
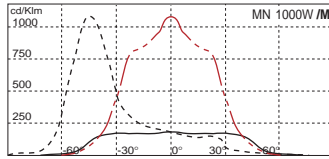
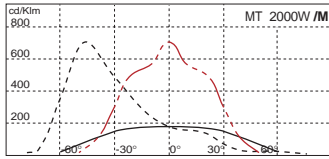
14044720 - A0291/1000 -9,5÷10,3A
 14044820 - A0292/2000 - 10,3A
 14044920 - A0293/1000/2000

Ignitor for lamps:
Arrancadores para lámparas:

-  E40 1000W NAV-T / SON-T / HQI-T/D
-  E40 2000W HQI-T/D
-  E40 1000/2000W HPI-T



LASER/M



LASER/INT

