

# "EUROPE" RANGE

## Fanless Zoom Profile Spotlights with Condenser Optics for 2000 W / 2500 W Halogen Lamps

The new profile spotlights of the EUROPE range are intended to fulfil the requirements of the most demanding Lighting Designers when beam quality, intensity and silence are most important.

The use for all lenses of special heat resistant optical glass with anti-reflection coating in addition to high performance, 2-lens condenser optics results in a spectacular light output, an even light distribution and a unique beam edge sharpness.

Zoom focusing is smooth and stable in any position, and allows very accurate beam control. A zoom scale facilitates repetitive adjustments.

A PC like soft edge beam can be obtained through the insertion in the zoom of a glass diffuser (option).

Beam shaping and imaging are achieved comfortably by 4 shutters working in 2 planes, an iris diaphragm and a size A gobo.

A front cassette allows one-hand insertion of a colour frame and any DIN 15560 accessory.

The profiles are rebalanceable in any position by sliding the yoke along 2 slots provided over the full length of the unit. The yoke can be adjusted to a low or high position, a useful facility when space is limited.

The tiltlock mechanism is easy and comfortable.

The lamp house which contains the shutter set and the effects slot is rotatable through 360° with respect to the lens tube and vice-versa.

Depending on the yoke position, the operator can either rotate the projected image, move the focus controls to a preferred position, or correct the lamp position back to the vertical when the spotlight is mounted on a sloping bar.

Professional mechanical design, rugged and modular construction from injected and extruded aluminium, doubled inside housing for «fanless» optimal convection cooling anti-corrosion treatment of all metal components and high quality finish guarantee reliable operation over a very long lifetime.

In addition to meeting current international safety standards, these spotlights provide several additional features which make them very safe to operate.

**Options :** pole operation and motorisation



- Totally quiet
- Exceptional light output
- Unparalleled light quality
- Simple, highly robust construction
- Harmonious, elegant and unobtrusive design
- Easy to handle
- Wide range of accessories
- Very favourable cost/performance ratio



# "EUROPE"

## Zoom Profile Spotlights 2000 W / 2500 W

### Specifications

#### Housing

- The housing is built in 2 sections :
  - The lens tube fitted with a front cassette which provides 2 sets of runners for insertion of 245 x 245 mm (DIN 15560) accessories. The cassette is designed for preventing light spill. It can be easily removed and rotated in any position at 90°.
  - The lamp house equipped with a spring-loaded 4-shutter gate assembly and extended runners for a drop-in iris diaphragm and a gobo-holder.
- The lens tube and the lamp house are fitted with lids for easy access to lenses and lamp.
- The lamp house is rotatable through 360° with respect to the lens tube and vice-versa. Effective clamping without any tool. A click-stop detent helps finding the normal position.
- The shutter gate contains 4 removable, stainless steel beam shaping shutters with anti-reflection coating, working in 2 planes.
- The back-end plate is fitted with a strong grab handle.
- Front and back-end plates of injected aluminium. Main body of extruded aluminium sections.
- Overall finish in non-reflective, heat and wear resisting black paint.

#### Positioning Mechanism

- A strong steel yoke, with positive tiltlock mechanism on both sides, can slide along 2 slots provided over the full length of the housing to allow spotlight balance in any position.
- Clamping is by one clutch type handle which does not interfere with the shutters.
- 2 sets of holes in the yoke arms to allow high or low positioning of the spotlight.
- 5 holes in the transverse arm of the yoke for fixing on a hook clamp or a DIN 15560 plate.
- Slanted yoke available as an option.

#### Optical System

- Spherical dichroic glass reflector.
- Aspherical condenser lens.
- Intermediate spherical lens.
- Zoom optics consisting of 2 to 4 polished heat resistant plano-convex lenses.
- All lenses with anti-reflection coating.
- Optional zoom glass diffuser for sharp to soft edge beam conversion.
- Focusing mechanism with smooth control by 2 screw knobs + zoom scale for easy repetitive adjustments.

#### Electromechanical Components

- 2 m silicone power cable (2 x 2.5 + 2.5 mm<sup>2</sup>) ref. HO7RNF.
- G22 lampholder for 220/240V, 2000 - 2500 W tungsten halogen lamps with 90 mm light center length (LCL).

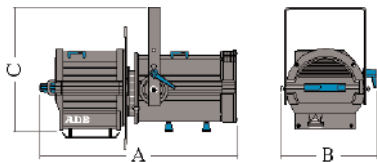
#### Safety / Reliability

- This equipment complies with all applicable European directives and carries a CE mark.
- The spotlight does not present any sharp edge.
- An anchorage ring is provided for safety bond.
- Spring lock mechanisms prevent accidental drop-out of accessories.
- All handles and control knobs are heat insulated.
- All metal parts are protected against corrosion.

#### Cooling

- Double housing for «fanless» convection cooling.
- NO FAN = NO NOISE

Admissible Lamps	Socket	Power	Lumen	Colour	Lamp Life
CP 92	G22	2000 W	52000 lm	3200 K	400 h
CP 91	G22	2500 W	65000 lm	3200 K	400 h



# "EUROPE"

## Zoom Profile Spotlights 2000 W / 2500 W

### Photometric Data

#### DS 256 14° - 38°

Typical values

- 3 zoom lenses and condenser optics

2000 W / 52,000 lm	Distance (m)	5	10	15	20	25	30
<b>Min. Angle : 14°</b>	∅ Beam (m)	1,3	2,80	3,40	4,50	5,70	6,80
	Light Level (lux)	16920	4230	1880	1060	677	470
<b>Max. Angle : 38°</b>	∅ Beam (m)	3,45	6,50	9,80	13	16	19,5
	Light Level (lux)	4050	1010	450	250	160	115

Dimensions (A x B x C): 870 x 400 x 500 mm  
 Net weight: 22,5 kg  
 Gross weight: 27 kg  
 9 units per pallet

2500 W / 65,000 lm	Distance (m)	5	10	15	20	25	30
<b>Min. Angle : 14°</b>	∅ Beam (m)	1,3	2,80	3,40	4,50	5,70	6,80
	Light Level (lux)	22320	5580	2480	1400	900	620
<b>Max. Angle : 38°</b>	∅ Beam (m)	3,45	6,50	9,75	13	16	19,5
	Light Level (lux)	3400	850	380	215	140	95

#### DN 256 9° - 22°

- 2 zoom lenses and condenser optics

2000 W / 52,000 lm	Distance (m)	5	10	15	20	25	30
<b>Min. Angle : 9°</b>	∅ Beam (m)	0,8	1,60	2,40	3,20	4,00	4,80
	Light Level (lux)	35460	8870	3940	2220	1420	990
<b>Max. Angle : 22°</b>	∅ Beam (m)	2	4,00	6,00	8	10	12
	Light Level (lux)	9990	2500	1110	625	400	280

Dimensions (A x B x C): 990 x 400 x 500 mm  
 Net weight: 23 kg  
 Gross weight: 27,5 kg  
 9 units per pallet

2500 W / 65,000 lm	Distance (m)	5	10	15	20	25	30
<b>Min. Angle : 9°</b>	∅ Beam (m)	0,8	1,60	2,40	3,20	4,00	4,80
	Light Level (lux)	38000	9500	4220	2375	1520	1060
<b>Max. Angle : 22°</b>	∅ Beam (m)	2	4,00	6,00	8	10	12
	Light Level (lux)	19600	4900	2180	1225	785	545

#### DVW 256 32° - 51°

- 4 zoom lenses and condenser optics

2000 W / 52,000 lm	Distance (m)	5	10	15	20	25	30
<b>Min. Angle : 32°</b>	∅ Beam (m)	2,9	5,80	8,70	11,60	14,50	17,40
	Light Level (lux)	5200	1300	580	325	208	145
<b>Max. Angle : 51°</b>	∅ Beam (m)	4,8	9,60	14,40	19,20	24	28,80
	Light Level (lux)	1500	375	170	95	60	40

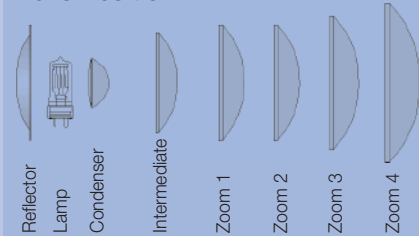
Dimensions (A x B x C): 770 x 400 x 500 mm  
 Net weight: 21 kg  
 Gross weight: 25,5 kg  
 9 units per pallet

2500 W / 65,000 lm	Distance (m)	5	10	15	20	25	30
<b>Min. Angle : 32°</b>	∅ Beam (m)	2,9	5,80	8,70	11,60	14,50	17,40
	Light Level (lux)	6600	1650	730	410	265	185
<b>Max. Angle : 51°</b>	∅ Beam (m)	4,8	9,60	14,40	19,20	24	28,80
	Light Level (lux)	2320	580	260	150	95	65

# "EUROPE"

Zoom Profile Spotlights 2000 W / 2500 W

## Lens Position



Accessories	DS 256	DN 256	DVW 256	Reference
Metal filter frame (245 x 245 mm)	•	•	•	PFM/245
Safety grid (245 x 245 mm)	•	•	•	GR/245
"A" size gobo holder with retention ring	•	•	•	SP-GO/A
"B" size gobo holder	•	•	•	SP-GO/B
Iris diaphragm Ø 75	•	•	•	OR/75
Iris diaphragm Ø 80	•	•	•	OR/80
Iris diaphragm Ø 80 with black-out	•	•	•	OR/80/BO
Hook clamp for Ø 35 to 50 mm tubes	•	•	•	A20
Hook clamp for Ø 35 to 50 mm tubes	•	•	•	A25
Hook clamp for Ø 45 to 60 mm tubes	•	•	•	A30
1.2 m spotlight safety cable	•	•	•	CAS 120/N
DIN spigot	•	•	•	PIVOT DIN

Spare Parts				Reference
2 m cable (2 x 2.5 + 2.5 mm <sup>2</sup> ) without male plug	•	•	•	C. EUROPE
G22 lampholder kit	•	•	•	KIT/22/D2
Ø 68 mm condenser lens	•	•	•	LDOC68
Ø 114 mm intermediate lens	•	•	•	PC114/RC102
Ø 114 mm zoom 1 PC lens	•	•	•	PC114/RC163
zoom 3 PC lens			•	PC114/RC163
Ø 114 mm zoom 2 PC lens	•		•	PC114/RC150
Ø 203 mm zoom 2 PC lens		•		PC203/RC245
Ø 203 mm zoom 3 PC lens	•			PC203/RC216
Ø 114 mm zoom 4 PC lens			•	PC114/RC216
Set of 4 beam shaping shutters	•	•	•	CM/D105-205
Retention ring for gobo size A	•	•	•	RR/GO/A

ADB - Your Partner for Light

**Belgium** N.V. ADB-TTV Technologies S.A.

(Group Headquarters) Leuvensesteenweg 585, B-1930 Zaventem  
Tel : +32.2.709.32.11, Fax : +32.2.709.32.80, E-Mail : adb@adblighting.com

**France** ADB S.A.S.

**Sales Office:** 92, Avenue Jean Jaurès F-92120 Montrouge  
Tel : +33.1.41.17.48.50, Fax : +33.1.42.53.54.76, E-Mail : adb.fr@adblighting.com

**Factory & Group Logistics Centre:** Zone industrielle Rouvroy F-02100 Saint-Quentin  
Tel : +33.3.23.06.35.70, Fax : +33.3.23.67.66.56, E-Mail : adb.fr@adblighting.com

**ADB**  
Lighting Technologies

Subject to modifications

DS-5273-E-02r