

FLO - 1459CB

COMPACT - 1800 W MSR



Followspot

- **Type:** Followspot
- **Source:** 1800 W MSR
- **PSU:** Electronic - hot restrike - DMX
- **Optics:** 13° to 24° zoom
- **DMX-control of motorised dimmer shutter and lamp ignition**
- **Standard:** 208 V North american

Small enough for a truss spot, big enough to impress

With a combination of compact dimensions, high output to rival 2500 W followspots, hot restrike lamp, electronic PSU and DMX-control, Flo is perfect for rental companies. It has become the new benchmark followspot for large theatres, TV studios, fashion shows, concerts and touring.

Features

- **Fully closing iris cassette:** removable for fast, easy replacement; protective backplate for extended lifespan
- **Universal adjustable gobo holder:** "A" size glass and metal gobos
- **Ergonomic dimmer control:** one-handed dim, pan and tilt
- **Smooth dimmer shutter:** retains flat beam and colour temperature when dimming
- **Remote DMX-control:** dMX-control of motorised dimmer shutter - effects synchronising remotely with pinpoint accuracy. Control from both local and DMX through 'Master' function
- **Frost filter:** on flip lever for quick soft-edge beam effect
- **Horizontal chopper (optional):** for masking control in TV studios and wide stages
- **Internal glass filter holder:** long term use of durable coloured, dichroic or textured glass
- **Individually removable colour frame:** gels replaced easily while colour cassette remains in place
- **Colour changer:** 6-way, 'push/pull' colour changer system for simultaneous use of multiple filters
- **Scroller:** standard scroller colour changer can be installed and powered from the unit through built-in XLR (24V+DMX) output connector
- **RJ NET:** ensures optimum operation capacities, providing a wide pallet of feedback information (dimming level, lamp hours, projector status...) on integrated LCD display
- **DMX remote controlled ignition**
- **Easy focus reference:** graduated scale on side of the unit; fast and easy refocusing
- **Adjustable yoke (optional):** for optimum overhead positioning
- **Fine balance:** precision positioning and smooth operation even with the smallest movements
- **Stand:** perfectly weighted for maximum stability with smooth rotation for optimum performance. Easy set up; triple safety system for extra security

Optical

- **Factory set optical train:** travels safely within followspot and requires no time-consuming realignment on arrival. Uniform beam on all followspots of same type
- **SX optical system:** double condenser optics for exceptional optical quality
- **Gobo:** excellent gobo projection
- **Variable zoom optics:** sharp focus at every beam angle. Independent control of image size and focus.

Construction

- **Made in France:** fully manufactured in Robert Juliat premises retaining complete control over all aspects of quality
- **Separate PSU:** compact for easy handling and rapid maintenance
- **Bodywork:** strong sheet metal construction for durability
- **Ergonomic wrap-around handle:** comfort, safety and practicality from all operating positions
- **Moving parts:** smooth at all times, even when hot
- **Captive knobs and handles:** additional security when working at height or in transit
- **Easy access to all parts:** easy cleaning, re-lamping and maintenance
- **Removable assemblies:** fast-plug cable connectors and complete component assemblies (mirror, condenser set and lamp house assembly) save maintenance and cleaning time
- **Safety:** safety switch for secure access to the lamp

Picture:1459 + FRO/1117PV

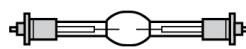
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Robert Juliat reserves the right to change or alter any of the items detailed on this page, to increase or improve manufacturing techniques without prior notice.

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ROBERT JULIAT

Source



- **Lamp type:** Discharge
- **Power:** 1800 W
- **Socket:** SFc 15.5-6
- **Hot re-strike:** yes

| Admissible lamps | Power* | Lumen output* | Colour temperature* | Life* | CRI* (min) |
|--------------------------------|---------|---------------|---------------------|-------|------------|
| KHD 1800W HR/DE (KLS) | 1 800 W | 155 000 lm | 6000K | 750 h | 90 |
| Maxi SharXS HTI 1800 W (Osram) | 1 800 W | 160 000 lm | 6500K | 750 h | 90 |

(*) manufacturer's data

Optics

Characteristics

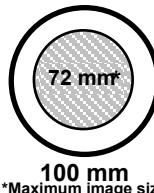
- **Type:** Zoom
- **Range:** 13° to 24° (Field angle)
- **Focal length:** 169 - 316 mm

Gel filter

- **Shape:** Circle
- **Standard size:** 210 mm (8.3 in)

Gobo

- **Size:** A
- **Material:** Metal
Glass

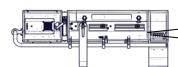


*Maximum image size

Photometrics

optics: 13°-24° / Standard / MSR 1800W DE (Philips)

• Optics @ 13°



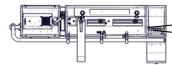
13°

Field angle
3%

Beam intensity
800 000 cd

| Distance | 10 m | 15 m | 20 m | 25 m | 30 m | 35 m |
|--------------|-----------|-----------|-----------|-----------|---------|---------|
| Diameter | 2.3 m | 3.4 m | 4.6 m | 5.7 m | 6.8 m | 8 m |
| Illumination | 8 100 lux | 3 600 lux | 2 050 lux | 1 300 lux | 890 lux | 660 lux |
| Distance | 35 ft | 50 ft | 65 ft | 80 ft | 100 ft | 115 ft |
| Diameter | 8 ft | 11.4 ft | 14.8 ft | 18.2 ft | 22.8 ft | 26.2 ft |
| Illumination | 660 fc | 330 fc | 190 fc | 130 fc | 85 fc | 65 fc |

• Optics @ 24°



24°

Field angle
3%

Beam intensity
300 000 cd

| Distance | 10 m | 15 m | 20 m | 25 m | 30 m | 35 m |
|--------------|-----------|-----------|---------|---------|---------|---------|
| Diameter | 4.3 m | 6.4 m | 8.5 m | 10.6 m | 12.8 m | 14.9 m |
| Illumination | 3 050 lux | 1 350 lux | 760 lux | 490 lux | 340 lux | 250 lux |
| Distance | 35 ft | 50 ft | 65 ft | 80 ft | 100 ft | 115 ft |
| Diameter | 14.9 ft | 21.3 ft | 27.6 ft | 34 ft | 42.5 ft | 48.9 ft |
| Illumination | 250 fc | 130 fc | 75 fc | 47 fc | 31 fc | 23 fc |

Remote control

- **Data protocol:** USITT DMX512-A

- **Data IN connector:** 5 pins XLR male

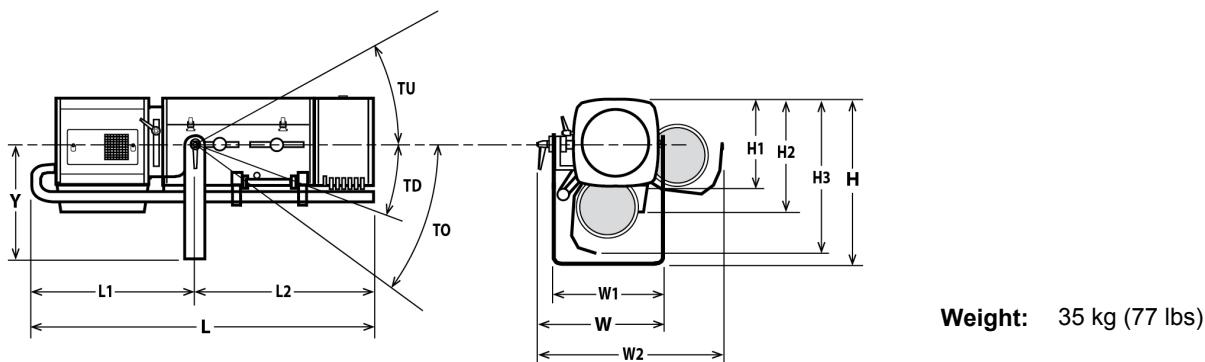


• DMX chart:

| Mode 1 (2 channels) | Mode 2 (3 channels) | Mode 3 (3 channels) | Mode 4 (4 channels) |
|---------------------|---------------------|---------------------|---------------------|
| Mode control | Mode control | Mode control | Mode control |
| Dimmer | Dimmer | Dimmer | Dimmer |
| | Dimmer fine | Dimmer master | Dimmer fine |
| | | | Dimmer master |

Dimensions and weight

Unit



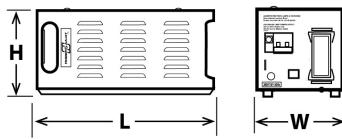
| Height | Length | Width | Yoke | Tilt | Option |
|--|---|---|---------------------|--------------------|----------|
| H= 450 mm (17.7 in) H1= 250 mm (9.8 in) H2= 340 mm (13.4 in) H3= 490 mm (19.3 in) | L= 970 mm (38.2 in) L1= 480 mm (18.9 in) L2= 490 mm (19.3 in) | W= 410 mm (16.1 in) W1= 350 mm (13.8 in) W2= 570 mm (22.4 in) | Y= 325 mm (12.8 in) | TU= 45° TD= 40° | TO= TBD° |

Shipping

- Weight : 82 kg (180.4 lbs)

- Volume : .58 m³ (20.48 ft³)

PSU

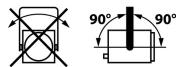


Width: W= 185 mm (7.3 in)
Height: H= 200 mm (7.9 in)
Length: L= 590 mm (23.2 in)
Weight: 13.2 Kg (29 lbs)

Installation

- Minimum distance to illuminated surface: 3.5 m (11.5 ft)

- Operating position:



Warranty

- **Fixture: 2 years**
See General Sales Condition on website

Approvals



Construction

- **Housing:** Steel sheet - Aluminium
- **Colour:** Black
- **Cooling:** Low noise fan
- **Maximum ambient temperature (Ta):** 40°C (104°F)
- **Maximum case temperature (Tc):** 230°C (446°F)
- **Total heat dissipation:** 6 963 BTU/h
- **Ingress Protection (IP) rating:** IP20

- **PSU housing:** Steel sheet - Aluminium
- **PSU colour:** Black
- **PSU cooling:** Fans
- **PSU maximum ambient temperature (Ta):** 40°C (104°F)
- **PSU maximum case temperature (Tc):** 50°C (122°F)

Electrical compatibility

- 220/230 V - 50 Hz
- 245 V - 50 Hz
- 110/120 V - 60 Hz
- 208 V - 60 Hz
- 220/230 V - 60 Hz
- 100 V - 50 Hz
- 100 V - 60 Hz
- Selector: automatic detection

Power input

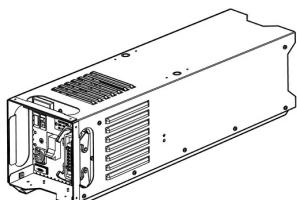


- **Type:** removable power cord with Neutrik PowerCon® (ref. NAC3FCA) connector (included)
- **Cable:** 14 AWG SJ type (UL/CSA)
- **Length:** 1.5 m (4.9 ft)
- **Power connector:** without connector

Power consumption

| Voltage | Frequency | Current | Power | Power factor |
|---------|-----------|---------|--------|--------------|
| 230 V | 50 Hz | 8.9 A | 2040 W | 0.98 |
| 208 V | 60 Hz | ? | 2040 W | 0.97 |
| 245 V | 50 Hz | | | |

Power Supply Unit



- **PSU:** Separate - Electronic PSU - Flicker free with PFC
- **Lighting unit / PSU cable:** Removable cable - length: 3 m (9.8 ft)
- **Type:** 18G1,5 JZ 602-RC (CE-UL/CSA) with 16x16A+E Harting Han® connectors
- **Maximum distance between lighting unit and PSU:** 25 m (82 ft)
- **Control:** Local / DMX
- **Protection:** Mains: 15A 2P2D - C curve breaker - UL / Electronic: 2A 5x20 T fuse

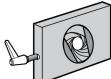
Model

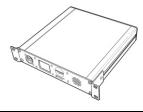
| | |
|---------------|---|
| 1459CB | 1800 W MSR Followspot - 1459CB Flo - 13/24° - Electronic PSU - DMX dimmer and lamp control - 208V North american standard |
|---------------|---|

Options

| | | |
|------------------|--|---|
| FRO/SMEPV | Heavy duty adjustable yoke equipped with TILT SpotMe sensor (E type) |  |
|------------------|--|---|

Accessories

| | | |
|------------------------|---|---|
| KHD 1800W HR/DE | KHD 1800W HR/DE - KLS SFc 15.5-6 1800W 750h 6000K lamp 1 included |  |
| CCU1 | Full closing iris cassette - Ø72mm - Weight: 1.33 Kg 1 included |  |
| PF1011 | Ø210 mm metal filter holder 6 included |  |
| SGUP2 | Universal "A" size gobo-holder (metal, glass, frosted glass) 1 included |  |
| VDM100 | Ø97mm frosted glass with holder 1 included |  |
| CCU1SM | Full closing iris cassette with position sensor for SpotMe system - Ø72mm |  |
| GT1000 | Tripod stand - SWL: 40 Kg - max. height: 1550 mm - Weight: 9.27 Kg |  |
| GT4000 | Tripod stand with safety chain - SWL: 130 Kg - max. height: 1030 mm - Weight: 7.91 Kg |  |
| GT4000RSM | Tripod stand with ball head rotation with security chain and SpotMe PAN sensor - SWL: 130 Kg - max. height: 1030 mm |  |
| GT4000S | Tripod stand without safety chain - SWL: 130 Kg - max. height: 1030 mm - Weight: 8.65 Kg |  |
| JPP | Monopod stand for overhead followspot - Weight: 3.6 Kg |  |
| T1000 | TV spigot with followspots swivel head - Weight: 1.82 Kg |  |
| T4000 | Followspot mount for Ø50mm pipe (suspension or overhead) - SWL= 100 Kg - Weight: 4.88 Kg |  |
| T4000RSM | Followspot mount with ball head rotation and SpotMe PAN sensor - SWL = 100 Kg - Weight: 8.53 Kg |  |
| | Double slot front cassette for 215x215mm accessories - Weight: |  |

| | | |
|-------------------|--|---|
| CAV700A | 0.52 Kg |  |
| FCM100R | Ø97mm 1/2 CTO correction filter (Rosco #3408) with holder |  |
| VD120 | 120x120mm frosted glass |  |
| FRO/SMEPD | Heavy duty adjustable yoke equipped with TILT SpotMe sensor (E type) |  |
| BK/E1 | Extra weight kit for BK1 (0,5 Kg) - Weight: 0.5 Kg | |
| BK1 | Followspot balancing kit (including 1 Kg counterweights) - Weight: 2.05 Kg |  |
| Kit TELRAD | Telrad followspot sight with raiser and universal mounting kit - Weight: 1.23 Kg |  |
| SDUP | Followspot cue sheet holder with universal mounting kit |  |
| TCSM | SpotMe calibration tool kit |  |
| Maestro | Maestro server for SpotMe - rackable unit: 1U - half 19" - Weight: 1.2 Kg |  |
| P1FCAN | Remote controller for dimming shutters - Weight: 0.44 Kg |  |
| SMS | SpotMe server + 2 sensor cables + flight case - Weight: 6.2 Kg |  |
| W/GT800 | Set of 3 wheels for GT800/1000 stand - Weight: 2.33 Kg |  |