FLO - 1459C

COMPACT - 1800 W MSR

- **Type:** Followspot
- **Source:** 1800 W MSR
- **PSU:** Electronic - hot restrike
- **Optics:** 13° to 24° zoom
- **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 and a hot restrike lamp and electronic PSU, 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. Dimmer control can be adjusted to suit the operator's preference
- **Smooth dimmer shutter:** retains flat beam and colour temperature when dimming
- **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
- **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

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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)
MSR 1800W DE (Philips)	1 800 W	145 000 lm	6000K	750 h	85
KHD 1800W HR/DE (KLS)	1 800 W	155 000 lm	6000K	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

72 mm*

100 mm
*Maximum image size

Photometrics

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

• Optics @ 13°

13°

Field angle 3%
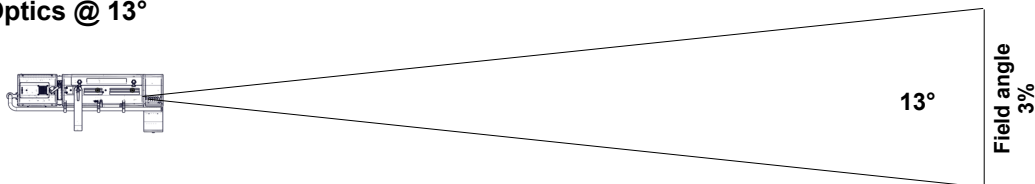
Beam intensity
800 000 cd

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%
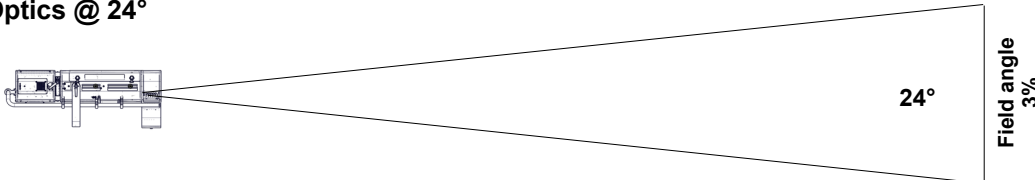
Beam intensity
300 000 cd

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

Dimensions and weight

Unit
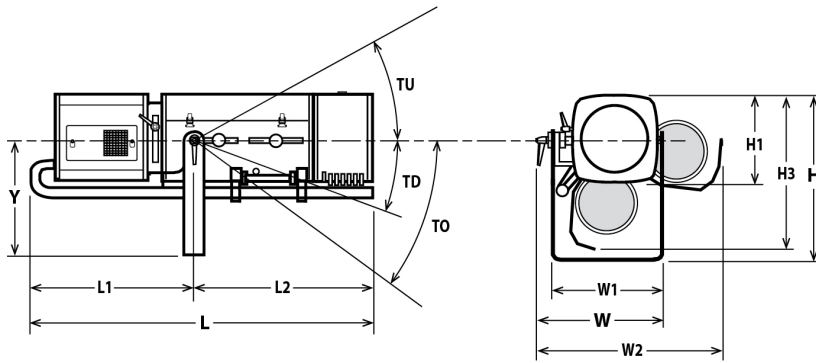
Weight: 32 kg (70.4 lbs)

Height	Length	Width	Yoke	Tilt	Option
H= 450 mm (17.7 in)	L= 970 mm (38.2 in)	W= 410 mm (16.1 in)	Y= 325 mm (12.8 in)	TU= 45°	TO= TBD°
H1= 250 mm (9.8 in)	L1= 480 mm (18.9 in)	W1= 350 mm (13.8 in)		TD= 40°	
H3= 460 mm (18.1 in)	L2= 490 mm (19.3 in)	W2= 570 mm (22.4 in)			

Shipping

- **Weight :** 81 kg (178.2 lbs)

- **Volume :** .58 m^3 (20.48 ft^3)

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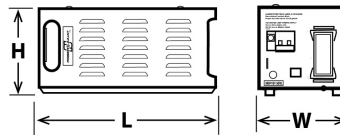
Width:	W= 185 mm (7.3 in)
Height:	H= 200 mm (7.9 in)
Length:	L= 590 mm (23.2 in)
Weight:	13.2 Kg (29 lbs)

Installation

- **Minimum distance to illuminated surface:** 3.5 m (11.5 ft)
- **Operating position:**
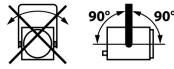
Warranty

- **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
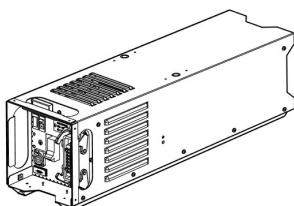
- **PSU:** Separate - Electronic PSU - Flicker free with PFC
- **Lighting unit / PSU cable:** Cable attached to unit - length: 3 m (9,8 ft)
Type: 18G1,5 JZ 602-RC (CE-UL/CSA) with 16x16A+E Harting Han® connector
- **Maximum distance between lighting unit and PSU:** 25 m (82 ft)
- **Control:** Local
- **Protection:** Mains: 15A 2P2D - C curve breaker - UL / Electronic: 2A 5x20 T fuse
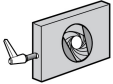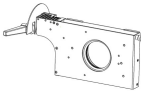
Model

1459C	1800 W MSR Followspot - 1459C Flo - 13/24° - Electronic PSU - 208V North american standard

Options

FRO/1117PV	Heavy duty adjustable yoke	
FRO/SMEPV	Heavy duty adjustable yoke equipped with TILT SpotMe sensor (E type)	
PG80	Ø80mm chopper kit (G80+ GR120+ adaptation kit)	
CAG/C	Left side controls option for Compact range (Iris/Dimmer/Frost/Colour changer)	
FC1459	Flight-case for Compact range / GT stand / P.S.U. / accessories - Dim: 1340x710x700mm - Weight: 55 Kg	

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**	
FACM100	Ø97mm UV/IR filter with holder **1 included**	
VDM100	Ø97mm frosted glass with holder **1 included**	
M210TV	6 ways "push/pull" colour changer with fan **1 included**	
TC1149	Tool case with spare parts - Weight: 1.65 Kg **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	
CAV700A	Double slot front cassette for 215x215mm accessories - Weight: 0.52 Kg	
CAV700NA	Single slot front holder for 254x254mm (10x10") accessories - Weight: 0.26 Kg	
FCM100R	Ø97mm 1/2 CTO correction filter (Rosco #3408) with holder	
VD120	120x120mm frosted glass	
FRO/1017PD	Heavy duty adjustable yoke - Weight: 4.33 Kg	
FRO/SMEPD	Heavy duty adjustable yoke equipped with TILT SpotMe sensor (E type)	
G80	Ø80mm horizontal chopper - Weight: 0.37 Kg	
GR120	Slot reducer for SGUP gobo holder (if PG80 option) - Weight: 0.2 Kg	
Kit G80	Ø80mm chopper kit (G80+ GR120+ adaptation kit) - Weight: 0.69 Kg	
M210TVCL	Light shield for M210T push/pull colour changer - Weight: 1.98 Kg	
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