



play with light



BALCAR

TV Studios & Film

The fluorescent TV light

Back in the early 90's, BALCAR pioneered the lighting market by being the very first manufacturer of fluorescent light for TV studios. Since then, BALCAR has equipped hundreds of studios all around the world, each time providing performance and reliability.

An economic solution



The major advantage of fluorescent lighting is its efficiency 5 times higher than halogen technology. For the same light output, the electrical power consumed by BALCAR fluorescent luminaires is far lower. The fixture produces very little heat as the electricity is almost totally converted into light. Air conditioning costs are greatly reduced whilst increasing comfort in the studio.

Introducing Roundy

Roundy. Steady. Go !

BALCAR is launching its new ROUNDY, an ideal solution to create a powerful light alongside the optical axis of your camera. Thanks to the benefits of BALCAR fluorescent lighting, the ROUNDY produces a direct light without any shadows or hotspots which are the two major drawbacks of a standard ENG lamp. The ROUNDY is perfect for interviews, advertisements, clips and drama.

The BALCAR ROUNDY is the most powerful ring-light on the market with its 55 Watts lamp allowing a wider choice of f-stops thus a better control of the depth of field. The light intensity can be adjusted with the built-in dimmer, without altering the colour temperature.



	power consumption	# lamps	I (cd)	1m 3 ft	2m 6 ft	weight	D/C Volt	A/C Volt	dimming
roundy	60 W	1	850	850 lux	230 lux	3.4 kg 7.5 lbs	12 V	120 V 230 V	manual

I (cd): intensity on the central axis.



LITE Series*

Two complementary Series, one solution to lighten a TV studio.

F-LITE Series

The wide horizontal and vertical beams of the F-LITE Series produce a wide area of even light. This type of light is ideal for cycloramas, chromakeys and virtual studios. In addition, BALCAR has created high quality optical intensifiers for applications that require a more focused light on a specific subject.



Available versions:

- ON/OFF: controlled with an ON/OFF switch ;
- Manual dimming: controlled through a potentiometer ;
- Phase control: managed via an external dimmer ;
- Built-in DMX dimmer: controlled from a DMX console ;
- Ethernet: controlled from a computer through a network.

Options:

- Barndoors: to shape the light ;
- Intensifiers System: to focus the light ;
- Grids (40° or 60°): to shape a smooth light ;
- Filter-holder and diffuser ;
- Pole Operated Yoke.

	power consumption	# lamps	I (cd)	beam angle	working distance	2 m 6 ft	3 m 10 ft	4 m 13 ft	5 m 16 ft	6 m 20 ft
monolite	60 W	1	2,000	(H) 110° -	1 to 3 m 3 to 10 ft	500 lux 45 fc	220 lux 20 fc	- -	- -	- -
duolite	125 W	2	3,800	(H) 85° (V) 60°	2 to 3 m 6 to 10 ft	950 lux 105 fc	425 lux 40 fc	240 lux 25 fc	- -	- -
quadlite	250 W	4	8,300	(H) 70° (V) 60°	3 to 4 m 10 to 13 ft	2,075 lux 230 fc	925 lux 85 fc	520 lux 50 fc	335 lux 35 fc	- -
fluxlite	375 W	6	13,500	(H) 70° (V) 70°	4 to 5 m 13 to 16 ft	3,375 lux 375 fc	1,500 lux 135 fc	845 lux 80 fc	540 lux 55 fc	375 lux 35 fc
octalite	500 W	8	17,500	(H) 70° (V) 75°	5 to 8 m 16 to 25 ft	4,375 lux 485 fc	1,945 lux 175 fc	1,095 lux 105 fc	700 lux 70 fc	485 lux 45 fc

I (cd): intensity on the central axis - (H): beam angle on the horizontal plan with intensifier - (V): beam angle on the vertical plan with intensifier - fc: footcandles

S-LITE Series

The unique S-LITE Series by BALCAR produce a direct light, increasing shades and contrasts. It sharpens details in specific areas of the studio, which is particularly useful for portrait framing. Used in conjunction with F-LITE Series features on a medium sized TV studio, the S-LITE Series is an excellent choice of low energy consumption.

Available versions:

- Phase control: managed via an external dimmer ;
- Built-in DMX dimmer: controlled from a DMX console.

Options:

- Grids (40° or 60°): to shape a smooth light ;
- Pole Operated Yoke.



	power consumption	# lamps	I (cd)		beam angle	
<i>reflectors</i>	-	-	Ø 45 cm	Ø 30 cm	Ø 45 cm	Ø 30 cm
spotflux 2	85 W	2	9,300	3,800	35°	45°
spotflux 4	170 W	4	12,000	5,800	35°	45°

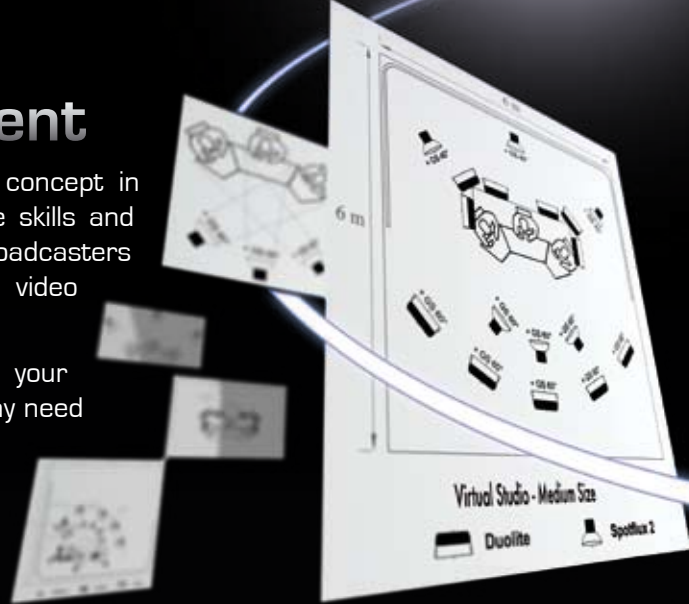
I (cd): intensity on the central axis.

* all BALCAR Lite Series are made of extruded aluminium and include high quality aluminium yoke as well as lamp, safety cable anchor point and A/C cable.

Projects Department

Since it introduced the fluorescent light concept in the early 90's, BALCAR has acquired the skills and knowledge to assist TV stations and other broadcasters to design their studios and professional video rooms.

BALCAR's Projects Department is at your disposal for any specific assistance you may need for your lighting project management.



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visit our website for more information and technical specifications

www.balcar.com