

CREATIVE LIGHTING SYSTEM

50
Years

For the 50 years of BALCAR, we are pleased to announce a new line of generators, fully compatible with a complete digital workflow process.

BALCAR products are known for their high technology in particular constant colour temperature over the whole power range at any flashing speed.



BALCAR

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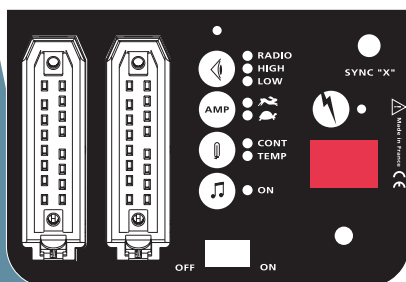
B Series

BATTERY PACK

The **B'** is simply the fastest digitally controlled battery pack in the market. It is so easy to carry that you can go with it wherever you want, ideal for outdoor shoots. The **B'** is an ultimate version based on the famous AQ PACK generator.



B'
1200 J flash unit



Control panel

- . Constant colour temperature
- . 1/10 f-stop repeatability
- . 6 f-stop range
- . 200 flash capacity
- . Battery level indicator
- . 2.8 s recycling (fast mode)
- . Digital Ready
- . Multi-brand compatible
- . Binder plugs for fast and safe plug/unplug

The **B'** is a 1200 J 12V battery unit accepting the latest C2 and C3 heads or BALCAR standard heads via an adapter, as well as the heads of most other brands using simple adapters (it does not accept the PSU, PSZ and Concept Z heads). It is **fast** (2.8 s at full power), **powerful** (1200 J) and **very precise** (1/10 f-stop). It is the only battery flash to hold **colour temperature constant** (± 150 K) over its entire 6 f-stop range, a very important asset for digital imaging. It maintains a high capacitor voltage guaranteeing **short flash duration** to stop action in fashion shoots.

The battery is clipped onto the side of the unit, easily exchangeable and very well protected. Can be charged separately and includes a battery level indicator.

TECHNICAL SPECIFICATIONS

Reference :	10275	Cross-brand Head Compatible* :	yes
Power :	1200 J	Colour Temperature :	
Power Distribution :	2 channels (2 heads)	- Clear shell	5600 K
Power ratio :	symmetric	- Consistency first	4 f-stops ± 50 K
Number of Heads :	2	- Consistency	6 f-stops ± 150 K
F-stop with FX 60 Reflector (100 ISO, 2m/6,6') :		Flash Duration (t=0,5) :	
- C head (position 1) : 50°	f 45 2/10	- 1x 30453/54 flashtube	1/1200 to 1/4000 s
- C head (position 2) : 60°	f 45	- 2x 30453/54 flashtubes	1/1600 to 1/4000 s
- C head (position 3) : 70°	f 32 7/10	Recycle Speed (Full Power) :	
- C head (position 4) : 90°	f 32 5/10	Fast :	2.8 s
- C head (position 5) : 120°	f 32	Slow :	5.5 s
Power Control :		Number of flashes at full power :	200
- Range	10 to 4 (6 f-stops)	Battery Indicator :	on battery
- Increment	1/10 f-stop	Batterie Charging Speed :	6 hours
- Display	LED	(Standard charger)	
Instant ready Time after Power Change :	yes	Head Fan Cooling :	yes
Voltage :	12 V (battery)	Dimensions (L x w x h) :	6 x 21.5 x 27 cm
100% Charge Beep :	yes		5.3" x 8.5" x 10.6"
Model lamp Modes :	continuous	Weight :	4.8 kg + 5.2 kg (bat.)
	(5 to 90 sec)		10.6 + 11.5 lbs
Maximum per Head :	300 W		
Maximum per Unit :	300 W		

*with the use of a cable adaptor.

T Series

TRANSPORTABLE PACK

The transportable power packs T' (1200 J) and T^E (2400 J) are meant for still life or portrait photography. The T flash is light, small and versatile, ideal for studio or location. It features multi-voltage, so perfect for all those shooting around the world. This Series is an ultimate version based on the famous NOMAD generator.

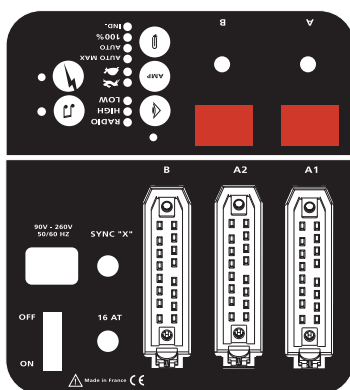


T'
1200 J flash unit

- . Asymmetric
- . Constant colour temperature
- . 1/10 f-stop repeatability
- . 6 f-stop range (T1),
7 f-stop range (T2)
- . 1200 J, 7 kg, 1.5s recycle
- . 2400 J, 8.8 kg, 3s recycle
- . Digital Ready
- . Multi-brand compatible
- . Binder plugs for fast and safe plug/unplug
- . 16 A amperage setting for usage in almost any location

The T Series flash units are available in 2 asymmetric powers (T1 1200 J and T2 2400 J). They accept the latest C2 and C3 heads or BALCAR heads with a round plug via an adapter, as well as the heads of most other brands using simple adapters.

The T Series flash power control range is up to 7 f-stops with independent power control of two channels. The first channel has two plugs with power equally divided, the second has one, for a total of three plugs. Colour temperature is constant (± 150 K), and so is the light output flash after flash.



Control panel

TECHNICAL SPECIFICATIONS	T1	T2
References :	10276	10277
Power :	1200 J	2400 J
Power distribution :	2 channels (3 heads) asymmetric	2 channels (3 heads) asymmetric
Power ratio :		
F-stop with FX 60 reflector : (100 ISO, 2m / 6,6')		
- C head (position 1) : 50°	f 45 3/10	f 64 3/10
- C head (position 5) : 120°	f 32 4/10	f 45 4/10
Power control :		
- Range	10 to 4.0 (6 f-stops)	10 to 3.0 (7 f-stops)
- Increment	1/10 f-stop	1/10 f-stop
- Display	LED	LED
Instant ready time after power change :	yes	yes
Automatic voltage selection :	90 V to 260 V	90 V to 260 V
100% charge beep :	yes	yes
Model lamp Modes :	100 % proportional independent	100 % proportional independent
Maximum per head :	650 W	650 W
Maximum per unit :	1000 W	1000 W
Cross-brand head compatible* :	yes	yes
Colour temperature :		
- Clear shell	5600 K	5600 K
- Consistency 6 f-stops	± 150 K	± 150 K
Flash duration (t=0,5) :		
- 1 x 30453/54 flashtube	1/1200 s	1/1000 s
Recycle speed (to Full Power) : 230 V	1.5 s	3 s
Dimensions (L x w x h) :		
	16 x 21 x 28 cm 5.3" x 8.3" x 11"	16 x 21 x 28 cm 5.3" x 8.3" x 11"
Weight :	(7 kg) 15.4 lbs	(8.8 kg) 19.4 lbs

*with the use of a cable adaptor.

F Series

FAST PACK STUDIO

The **F** Series are especially designed for fashion photography. Extremely precise, multi-brand compatible, the **F** Series Packs are also the fastest flash units available on the market and feature constant colour temperature whatever the power selected.

- . Instant recycle : 0.6 s at 230 V (F1) / 1.2 s at 230 V (F3)
- . Constant in colour temperature
- . 1/10 f-stop repeatability
- . 7 f-stop range (F1),
8 f-stop range (F3)
- . Fast flash duration
- . Digital Ready
- . Multi-brand compatible
- . Binder plugs for fast and safe plug/unplug
- . 16 A amperage setting for usage in almost any location

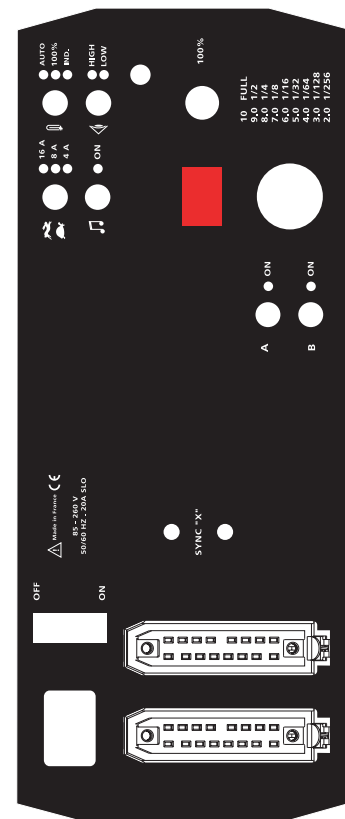
The **F** Series is available in two symmetric versions. This Series is an ultimate version based on the famous NEXUS Line, by focusing onto the fastest recycling time and optimum colour consistency.

BALCAR offers adapters to connect others brands light heads to the **F** Series, with the best reliability. Professional high level photographers will enjoy the technical performances of this BALCAR product.



F
1600 J flash unit

TECHNICAL SPECIFICATIONS	F1	F3
References :	10270B	10271B
Nominal power :	1600 J	3200 J
Power control :		
- Power distribution	2 channels (2 heads)	2 channels (2 heads)
- Range	7 f-stops	8 f-stops
- Power ratio :	Symmetric	Symmetric
- Increment	1/10 f-stop	1/10 f-stop
- Display	LED	LED
F-stop using FX 60 reflector* :		
- C head (position 1) : 45°	f 45 6/10	f 64 6/10
- C head (position 2) : 60°	f 45 5/10	f 64 5/10
- C head (position 5) : 120°	f 32 7/10	f 45 7/10
Instant ready after power change :	Yes	Yes
Automatic voltage selection :	90 V to 260 V	90 V to 260 V
100 % charge beep :	Yes	Yes
Model lamp modes :	100%	100%
	Independent	Independent
	Proportional	Proportional
Maximum model lamp per head :	500 W	500 W
Cooling :	2 fans	2 fans
Cross-brand head compatible :	Yes	Yes
Color temperature :		
(30453/54 tube with BALCAR head)		
- Clear Shell	5600 K ± 150 K	5600 K ± 150 K
- Yellow Shell	5200 K ± 150 K	5200 K ± 150 K
Flash Duration : (t=0,5)		
- 1x 30453/54 flashtube	1/1200 - 1/8000 s	1/700 - 1/8000 s
- 2 x 30453/54 flashtubes	1/2000 - 1/10000 s	1/1000 - 1/10000 s
Amperage draw :	4A/8A/16A	4A/8A/16A
Recycle time at full power :		
230 V (16A)	0.6 s	1.2 s
120 V (16A)	0.8 s	1.5 s
Dimensions (L x W x H) :	36 x 16 x 28cm	36 x 16 x 34cm
	14" x 6" x 11"	14" x 6" x 13.4"
Weight :	12 Kg (26 lbs)	15 Kg (33 lbs)



Control panel

*measurements at 2 m (6.6ft), full power, 100 ISO using one head only, with FX60 reflector.

C Series

COMPACT LIGHT HEAD

The C Series heads - upgrade of the IRIS line - are universal BALCAR light heads for almost all BALCAR power packs. The C2 head can be used with T' & B' packs and the C3 head is designed for the ultimate F Series (but works with all packs well).

- . Compact and elegant design
- . Focusable from 45° to 120° using FX60 reflector with no hot spot
- . Very simple reflector mounting system
- . Fan cooled
- . 2 versions : C2 up to 2400 J, C3 up to 3200 J
- . 3.3 kg (7.3 lbs) with reflector, mounting device, cable and metal protector
- . Detachable cable for safe and hand carriage

The C Series light heads are small and light weight. The focusable system allows the photographer to choose the angle lit. The reflector holding system is very simple and safe, as well as compatible with all BALCAR accessories. The C heads feature a fan with an external detachable dust filter and an overheat protection system.

The C2 light head can trigger up to 2400 J and is mounted with a rectangular plug only. The C2 is the ideal head for B1, T and F1 generators. **Warning : Do not use C2 with 3200 J generator.**

The C3 light head can trigger up to 3200 J and is available in 2 versions : rectangular (Binder) plugs for the new B, T and F generators, and round (AMP) for all other BALCAR generators (including the old Nexus Power Packs). The C3 light head is available either with a standard or heavy-duty flashtube.



C flash head

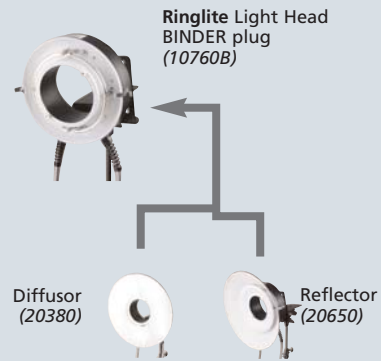
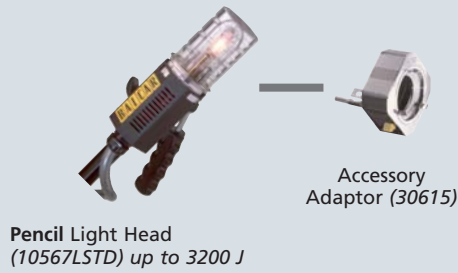


TECHNICAL SPECIFICATIONS

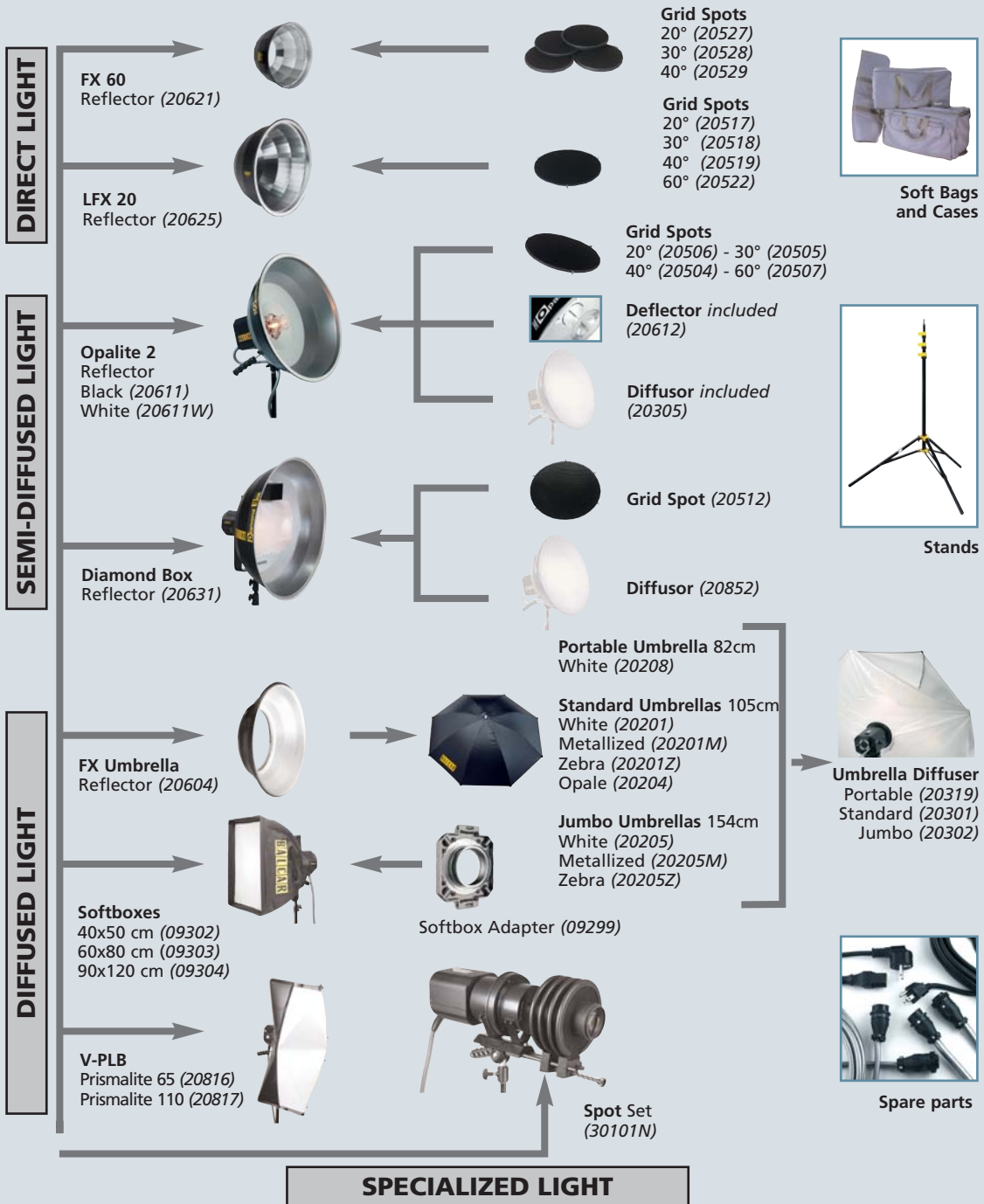
References :	F-stop at 2 m (6,6ft) (100 ISO, with FX 60 reflector) for 1200 J
C2 : 10801B	
C3 : 10800B	
45° (position 1)	f45 2/10
60° (position 2)	f45
70° (position 3)	f32 7/10
90° (position 4)	f32 5/10
120° (position 5)	f32

Light head	Model lamp included	flashtube included	Maximal power
C2	30409 (250W)	30449	2400 J
C3	30409 (250W)	30453/54	3200 J
C3 HDX	30409 (250W)	30455HDX	3200 J

OTHER FLASH HEADS



REFLECTORS + ACCESSORIES



Download catalogs and technical specifications on www.balcar.com.

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