

Pearl™ Balloon Lights

Many lighting configurations, and lighting color warm white or cold white are available.



You can scan the QR code below or
visit <https://www.btcoops.com/Pearl/> for details



FENIGAL

Pearl™ Balloon Lights

General Features

- Inflatable lighting envelope structure with built-in fan
- Indoor or outdoor use
- Halogen, LED, HMI, HID light source
- Control options (Auto, Sound, R/C, DMX, Manual, Wifi, Bluetooth, etc.)



Nylon Material

- Tensile strength/tenacity: Excellent
- Static Resistance: Fair
- Wrinkle Resistance: Good
- Flame Resistance: Does not burn



Portable & Versatile Lighting Balloon

Main Features

Grid voltage 120/230V AC or low voltage 48V DC battery
 Instant restrike
 Market adaptability: suitable both for Europe & North America standard
 Lamps: 4 x 50w ~ 8 x 50w LED COB
 Efficiency: >100 lm/W
 Maximum lumen: 20 000 ~ 40 000 lm
 Colour temperature: cool white-6500°K or warm white-3200°K

Advantages

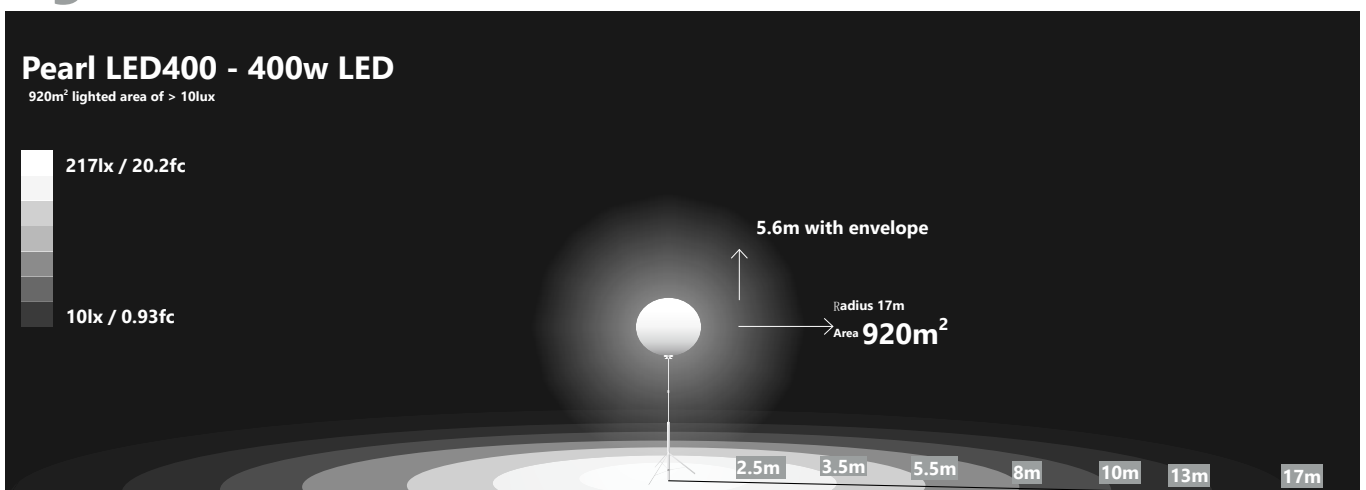
- Pearl LED 400 W, 120/230V AC
- 120 / 230 V AC (alternative current)
 - lamps - LED COB
 - works on grid power 120V/60Hz in North America or 230V/50Hz rest of the world
 - Compact and lightweight
 - Quick and easy set-up
- Pearl LED 400 W 48V DC
- 48 VDC (direct current) 40Ah on portable lithium-ion battery pack
 - lamps - LED COB
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 - Quick and easy set-up

Versatility

- 2 options - either on mains power or li-ion battery pack
- though 2 diferent power box (AC/DC)



Light Chart



Illuminance Data

		200w 120-230 V AC 200w 48 V AC	400w 120-230 V AC 400w 48 V AC
Lighted area > 1lux / 0.1fc	m ² / sq.ft.	1,016 / 10,936	1,760 / 18,940
Lighted area > 10 lux / 1fc	m ² / sq.ft.	254 / 2,734	440 / 4,736
Light under the balloon - 2~2.5m	Lux / Fc	410 / 38	550 / 51
Maximum lumen	lm	24,000	40,000
Color temperature	*K	3000 / 4500 / 6500	3000 / 4500 / 6500

* supply voltage could be AC or DC as per request. AC works on power grid or a portable generator < 1kVA. DC works on a portable DC power source or lead-acid/lithium battery connected by cigarette lighter, crocodile clip, .customised plug etc.

Technical Data

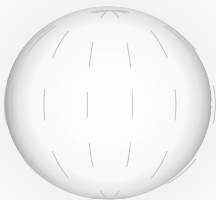
		200w 120-230 V AC 200w 48 V DC	400w 120-230 V AC 400w 48 V DC
Lamps		4 x 50 W LED	4 x 100 W LED
Average lamp life *			30,000 h
Efficiency			100 lm/W
Light source type		4 LED COB panels (integrated supply)	
Maximum power		200 W	400 W
Light source type		crocodile clip or customised lithium battery plug - 48 V only	
Power supply		120-230V DC max. 48 V DC	120-230V DC max. 48 V DC
Restrike time		Instant	
Envelopes options		Sphere, Ellipse Tubular or Oval	
Power supply options		Lead-acid battery, lithium battery, solar panel	
Li-ion battery spec.			48Vdc - 40Ah
Battery backup time		400w - 5 hours, 200w - 10 hours	

*Under normal conditions of use

Safety Data

Flame-retardant rip-stop fabric	for tungsten halogen lamp only
Reflector to improve highlight luminance and avoid light pollution	
Rain and dust proof material	IP54
Lamps protection	integrated anti-vibration structure
Wind resistance of the balloon	60 km/h

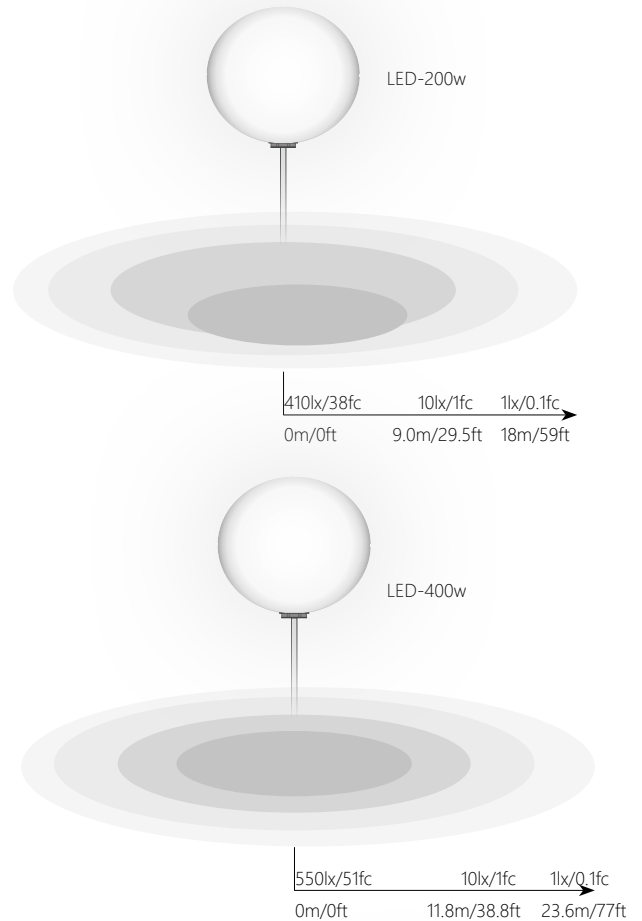
Envelope Options



Diameter	0.9m/3ft	Material	rip-stop nylon fabric standard
	1.3m/4.3ft		rip-stop nylon fabric shiny (luxury)
	1.6m/5.3ft		plastic like PVC (0.18mm) or TPU
Shape & Color	Sphere	Branding	Digital printing on double-side
	Ellipse		Digital printing on full surface
	Oval/Can etc.		Vinyl graphic on shiny balloon only
White			
Colors			

as per tripod stand model, see dimension data below

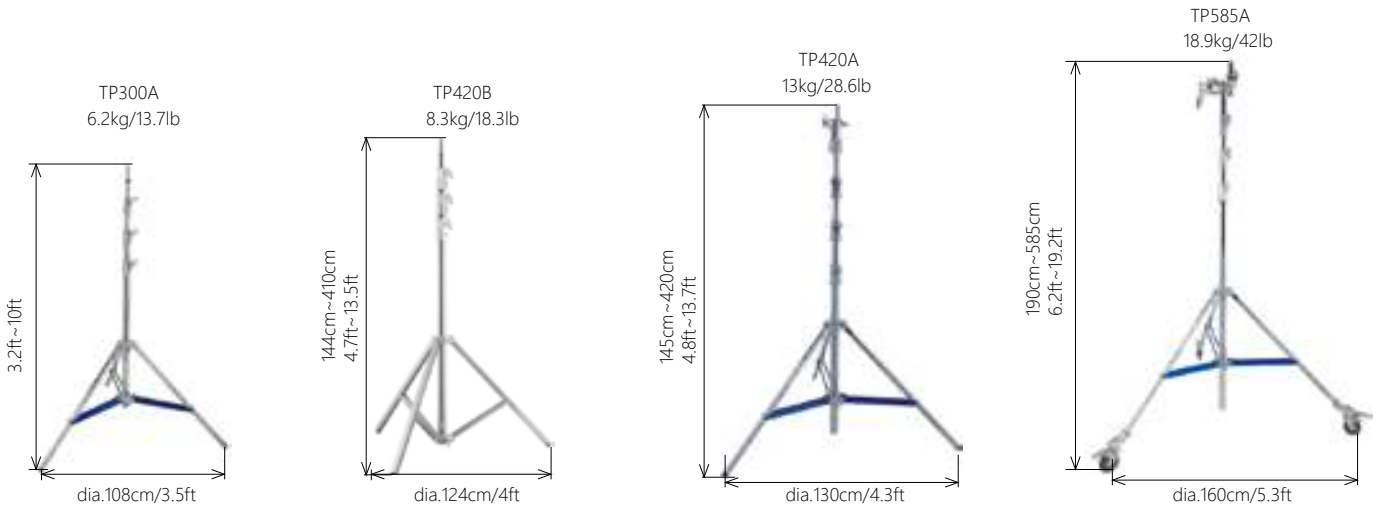
Lighting Chart



Working Dimension



Pearl™ - Tripod Stands



Tripod stand retracted status and length

TP300A - 100cm/3.3ft TP410A - 144cm/4.7ft TP585A - 190cm/6.2ft
More options available at request.

Pearl™ - Transport Cases

Hicase M0
587 x 350 x 230mm 5.4kg / 11.9lb



DC version:
24V / 48V DC - 240W/400W version
All DC power should be supplied by outside battery or other DC power source.

AC version:
100V, 120V, 230V AC version

Integrated dimming available at request.

Hicase M2X
620 x 490 x 302mm 9.4kg / 21lb



DC version:
24V / 48V DC - 240W/400W version
48V DC version has lithium battery cutout. Cutout could also be customised max. to 510x110x230mm.

AC version:
100V, 120V, 230V AC version
AC version normally works on Meanwell LED driver

Dimming control box available at request.

Pearl™ LED - Applications

