

PULSAR
ChromaRange

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PULSAR ABOUT PULSAR



Pulsar Light of Cambridge Ltd.

Based in the heart of Cambridge, Pulsar develops and manufactures electronic control and lighting systems in the UK that provide the core of many hi-tech lighting projects around the world.

Pulsar's philosophy is to create products that can be integrated into as wide a range of design applications as possible, thus making the investment in our products a logical choice when taking into consideration the comparison of their functionality, together with a commitment to quality and customer service that is second to none.

Serving the lighting industry with
over 40 years of electronic design and
manufacturing experience



Our History

Pulsar's roots began way back in 1966, when founder Paul Mardon built his first Sound to Light machine using valves and relays before studying Engineering and Management at Cambridge University. In 1968 Paul invented the precursor to the famous Pulsar Modulator, which used Pulse Width Modulation dimming of Red, Green and Blue light sources to produce any colour on demand. In 1970 Pulsar was born with just a handful of staff, today Pulsar has become a market leader, employing one hundred personnel all committed to working together to further develop Pulsar as a world renowned manufacturer of high-technology lighting equipment.

New Technologies

Throughout our history Pulsar has always embraced the latest developments in technology, and today is no exception. Recent developments in energy efficient high-power LED devices have been harnessed by Pulsar to provide our customers with a substantial range of LED lighting products that are suitable for entertainment and architecture. As technology advances, you can be sure that Pulsar will continue to develop state-of-the-art lighting and control solutions. The latest TriColour LED technology is now available in all of our ChromaRange fixtures. This technology eliminates multi-coloured shadows and generates eye-pleasing colour mixed directly from within the fixture.

Advanced Production

Our Cambridge UK factory translates the efforts of the research and development department into lighting control systems and products. Pulsar employs advanced production technology to manufacture units which are shipped to our network of distributors all over the world. Pulsar products go through rigorous test procedures, which ensure they conform to the internationally recognised standards they are designed to meet. Once delivered to the client, Pulsar products have a long and trouble-free life.

Customer Support

At Pulsar we believe in long and trusted business relationships with our distributors and customers from around the globe. In line with our commitment to the highest levels of customer support, Pulsar is proud to offer a 3 Year Product Guarantee to our customers. All Pulsar product ranges are automatically covered by the Pulsar Three Year Product Guarantee. This serves to endorse Pulsar's investment in quality, design and manufacturing processes for our ChromaRange LED fixtures and our Lighting Control System products alike.





Featured products: ChromaStrip 25



Featured products: ChromaFlood 200

Fully programmable hue control with the Pulsar ChromaRange gives the architect an unlimited colour palette never before available in a range of lighting fixtures that can enhance building façades, water features and lighting applications.

ChromaRange enables a new era of programmable coloured light generation for indoor and outdoor applications.

- Outstanding energy reductions by use of the highest efficiency LED technology
- Additive colour mixing consumes only the energy needed to produce required colours
- An infinite range of static colours to moving rainbows
- ChromaZone stand alone functionality allows for simple installation
- Outstanding longevity and low power consumption
- Wide range of fixture configurations for any application
- ChromaZone Digital remote control allows integration into large control systems
- Flexible LED population options provide variable white or single fixed colour when colour mixing is not required
- IP66+ Ratings provide longevity for external and internal projects

PROJECTS & CREDITS

Top: Bahrain Financial Harbour,
Behzad Lighting

Above: Royal BC Museum,
Erikson Pro

Right Top: Light Power Party,
Padderborn

Right Bottom: 97.3 FM on Tour,
Edson Rivera, Adimsa



Featured products: ChromaFlood 50



Featured products: ChromaPanel

The versatile nature of the Pulsar ChromaRange LED fixtures has been embraced by all sectors of the entertainment industry.

Theme parks, cinemas, clubs, concerts, stadiums and television studios worldwide have come to rely on ChromaRange to add a new dimension of lighting dynamics to their shows.

- ChromaRange can be used to provide dynamic scenery and can easily integrate into modern set designs
- Cool operation is ideal for any air conditioned environment
- Low power requirements allow for the creations of "big looks" without demanding large power requirements
- Compatible with Video and Matrix capable DMX control systems
- 100% Flicker-Free technology ideal for TV and film requirements
- Super smooth dimming profile, even at low output levels
- Latest TriColour Technology available in many products eliminates multi-colour shadows and colour mixes directly from the fixture which is pleasing to the eye or camera
- LCD User Interface Module (UIM) provides simple, fast access to configuration settings

PULSAR HEADQUARTERS



Featured products: ChromaStrip 25



Featured products: ChromaStrip 25



Featured products: ChromaStrip 25, ChromalInGround 50

PROJECTS & CREDITS

Zain Head Quarters,
Behzad Lighting



Featured products: ChromaStrip 25, ChromalInGround 50



Featured products: ChromaBatten, ChromaFlood, ChromaLine



Featured products: ChromaStrip 25

PROJECTS & CREDITS

Above: Manchester Opera House,
The Smith Group

Right: Cruddas Park,
Stage Electrics

Right: Mercer Island Residence,
Page: Lee Houk & Lander Electric

PULSAR RESIDENTIAL PROPERTIES



Featured products: ChromalnGround MR16



Featured products: ChromalnGround MR16

PULSAR GALLERYBARS



Featured products: ChromaAR111 AngleFlush



Featured products: ChromaAR111 AngleFlush



Featured products: ChromaLightEngine X1

PULSAR NIGHTCLUBS



Featured products: ChromaAR111 Angle Flush & ChromaStrip 25

PROJECTS & CREDITS
The Grange St Pauls,
HBR Technology & DialSLV



Featured products: ChromaLightEngine X1

PULSAR
PUBLICSPACES



Featured Products: ChromaStrip 25



Featured products: ChromaStrip 25 TriColour

PROJECTS & CREDITS

Left The Grange Tower Hotel,
Page: HBR Technology & DialSLV



Featured products: ChromaStrip 25 TriColour

PULSAR
BUILDING FACADES



Featured products: ChromaStrip 25 & X3



Featured products: ChromaFlood 200

PROJECTS & CREDITS

Left Brixton Recreation Centre,
Page: Nicky Kirk, Tony Broomhead,
Amenity Space

This Municipal Fountain,
Page: Edson Rivera, Adimsa



Featured products: ChromaFlood 200



Featured products: ChromaStrip 25

PROJECTS & CREDITS

Above: Music Live, Mark Kenyon

Right: TVP, Poland's National TV

Right: Reno, LD Gil Perron

Page:



Featured products: ChromaBank IP

PULSAR STAGESHOWS



Featured products: ChromaBatten 200 & 50



Featured products: ChromaBatten 200 & 50, ChromaPAR111



Featured products: ChromaAR111 ParCan

PULSAR CHROMARANGE FEATURES



Featured products: ChromaFlood 200 & 100



Featured products: ChromaMR16, ChromaStrip

Technical Data

Full technical resources are available from our website including: DataSheets, Instruction Manuals and CAD symbols and IES photometric files. Please visit www.pulsarlight.com to download documents and files.

Certifications

Pulsar ChromaRange products are CE marked and independently ETL listed to UL standards.



ChromaRange Features

Pulsar's innovative ChromaRange™ is a state-of-the-art family of UK designed and manufactured LED lighting fixtures that offer endless possibilities to enhance your environment.

From white, to single colour fixtures through to calibrated programmable units that provide infinite colour palette from pretty pastels to deep intense hues makes the Pulsar ChromaRange ideal for entertainment, architectural and retail applications alike.

ChromaRange fixtures utilise specially selected highly energy efficient LEDs, many fixtures feature colour control to allow programmable colour mixing with 16.7 million colour combinations. Many other LED configurations are also available ideal for a wide range of applications.

Pulsar's advanced electronic design and thermal management techniques mean that the high quality LEDs in ChromaRange fixtures have an expected life of 25,000 hours at continuous full power white, which increases to 100,000 hours when the fixture is dimmed or producing coloured light as in normal use.

ChromaRange fixtures are UK manufactured and are exceptionally robust, durable and very cost effective making them easy to install, run and maintain. ChromaRange fixtures are of course backed by the Pulsar 3 year product guarantee.



Pulsar's totally flicker-free electronics produce a continuous, smooth, soothing light. We do not compromise on this and don't use Pulse Width Modulation (PWM) in any of our LED fixtures. PWM, by it's very nature, strobes the LEDs at high frequency, which can produce a stressful, agitating light. Relax with Pulsar Light!

TriColour Technology

Pulsar's latest flagship TriColour Technology is available on all ChromaRange models. TriColour Technology eliminates multi-coloured shadows and colour mixes within the fixture for an aesthetically pleasing view of the light-source.



In House Manufacturing

Pulsar is proud to have been manufacturing in Cambridge, UK for 40 years. Our facility houses research, design, metalwork, paint-shop, printing, auto-insertion, assembly, electronic-test, packing and stores departments. Allowing us to service your exact requirements for custom ChromaRange LED configurations and paint finishes efficiently.



PULSAR CHROMARANGE FEATURES



Featured products: ChromaMR16

ChromaRange LED By Design

- State-of-the-art, high efficiency, high brightness LED lighting
- Flexible LED populations available from stand alone single colour to fully programmable TriColour colour mixing units
- 256 levels of control for each calibrated LED colour group, for example 256 levels of R+G+B = 16.7 million colours
- Engineer calibrated LED drive electronics ensure colour consistency
- Constantly crossfade directly from any colour to any other colour
- Fast response electronics – can be strobed if required
- 100% Flicker-free electronics produce rock solid colour
- Super smooth dimming profile, even at low output levels
- Expected LED life of 25,000 hours at full power white (100,000 hours with normal programmed colour usage)
- ChromaZone power and control unit provides flexible stand alone and DMX remote control for ELV (Extra Low Voltage) fixtures
- High wattage series of fixtures feature integral power supply and direct DMX control input
- Low power consumption saves cost and generates little heat
- ChromaRange fixtures produce no infra-red or ultra-violet light
- Ever growing range of fixtures, formats and finishes for a wide range of applications
- Bespoke LED options are available for the ultimate in flexibility
- All aluminium parts are treated for corrosion resistance and then coated with a polyester paint for exterior weather protection

ChromaRange LED Configuration Options

ChromaRange fixtures are available in many LED configurations to suit a wide range of lighting requirements for total flexibility.



TC

TriColour, our flagship technology where each opto-device contains 3 LEDs (Red + Green + Blue), these models eliminate coloured shadows and multicoloured dots for an aesthetically pleasing light-source in any hue.



RGB

Red, Green, Blue, individual Red, Green and Blue LEDs, the traditional option and ideal for long distance illumination tasks.



VW

Variable White, 2/3 cool white LEDs and 1/3 Amber LEDs provide a warming that allows for the creation of cool through warm white at high output levels.



TC+VW

TriColour+Variable White provides the perfect combination of LED colours to create softer colour combinations such as pastels and skin tones.



SC

Single Colour provides the maximum light output for a chosen single LED colour such as Warm White or Blue however LED colour combinations are also possible.



UV

Ultra Violet models provide fully controllable UV light for stunning special effect applications



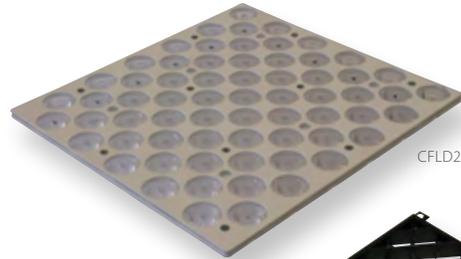
MSA

Mains Stand Alone versions provide cost effective illumination when no dimming or control is required, providing 100% light output full time.

PULSAR CHROMAFLOOD 400



CHROMAFLOOD 400



CFLD200 LENS PLATE



USER INTERFACE MODULE



CFLD200 LOUVRES

400 Watts	85-277 VAC	IP66	16.1 kg 35.5 lbs	+50°C to -20°C	+122°F to -4°F	
132 3W LEDs	100,000h Dynamic	25,000h Full On	7 LED Options	Custom Population	7 Beam Angles	Lens Plate Array
DMX Input	UIM LCD Menu	2 Chase Generators	Stand Alone Mode	Smooth Dimming	Flicker Free	Thermal Management
Twin Alignment	Anodised Metalwork	Exterior Powder Paint	3 Paint Finishes	Custom Colours	5m Cables	16.4' Cables
UK Made	CE Marked	ETL Listed	3 Year Guarantee	Quick-Link	PFM Remote Setup	

For item codes, options, weights and dimensions see page 58-60
For full technical specification and options see datasheets and manuals

ChromaFlood 400 Series Luminaires

- 400 Watt mains powered super high output LED luminaires designed for architectural and entertainment applications
- 132 high power 3 Watt LEDs driven by Pulsar's advanced 100% flicker-free drive electronics for ultra smooth dimming and colour control
- Choice of 7 LED populations, from single colour to our flagship TriColour technology colour RGB mixing LED devices
- Available in Black, Silver and White finish as standard, with custom colours available to special order
- Interchangeable optional lens plates for change between 8°, 25°, 45°, 12x25°, 10x30°, 10x90° or 90° (No Lens) beam angles
- **Mains Stand Alone (MSA) single colour models also available (85-277 VAC)**



Featured products: ChromaFlood 200



Featured products: ChromaFlood 200 & ChromaPanel 600

PULSAR CHROMAFLOOD 200



CHROMAFLOOD 200 TRICOLOUR



CFLD200 LENS PLATE



USER INTERFACE MODULE



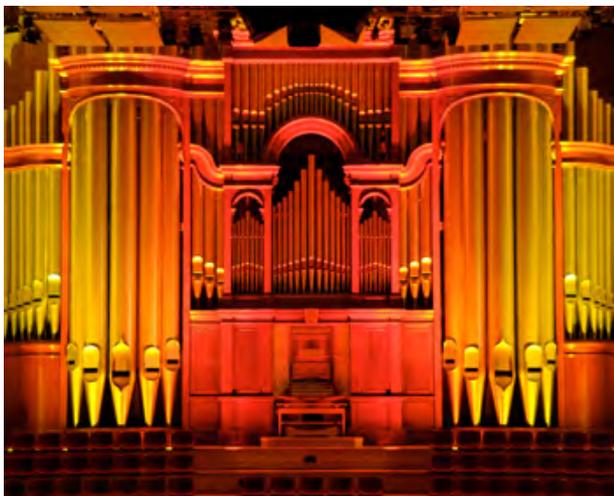
CFLD200 LOUVRES

200 Watts	85-277 VAC	IP66	7.8 kg 17.1 lbs	+50°C to -20°C	+122°F to -4°F	
66 3W LEDs	100,000h Dynamic	25,000h Full On	7 LED Options	Custom Population	7 Beam Angles	Lens Plate Array
DMX Input	UIM LCD Menu	2 Chase Generators	Stand Alone Mode	Smooth Dimming	Flicker Free	Thermal Management
Twin Yoke	Anodised Metalwork	Exterior Powder Paint	3 Paint Finishes	Custom Colours	5m Cables	16.4' Cables
UK Made	CE Marked	ETL Listed	3 Year Guarantee	Quick-Link	PFM Remote Setup	

For item codes, options, weights and dimensions see page 58-60
For full technical specification and options see datasheets and manuals

ChromaFlood 200 Series Luminaires

- 200 Watt mains powered super high output LED luminaires designed for architectural and entertainment applications
- 66 high power 3 Watt LEDs driven by Pulsar's advanced 100% flicker-free drive electronics for ultra smooth dimming and colour control
- Choice of 7 LED populations, from single colour to our flagship TriColour technology colour RGB mixing LED devices
- Available in Black, Silver and White finish as standard, with custom colours available to special order
- Interchangeable optional lens plates for change between 8°, 25°, 45°, 12x25°, 10x30°, 10x90° or 90° (No Lens) beam angles
- **Mains Stand Alone (MSA) single colour models also available (85-277 VAC)**



Featured products: ChromaFlood 200



Featured products: ChromaFlood 200

PULSAR CHROMAFLOOD/BEAM 100



CHROMABEAM 100 RGB 5 DEGREE



CFLD100 LENS PLATE



USER INTERFACE MODULE



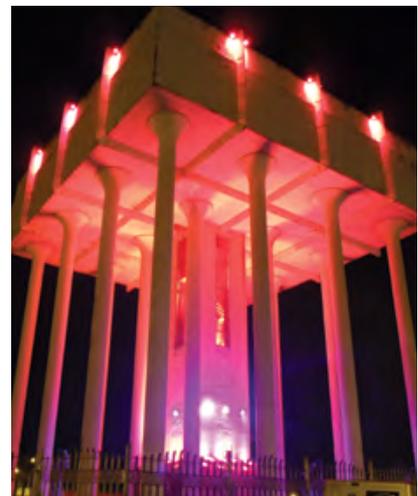
CFLD100 LOUVRES

100 Watts	85-277 VAC	IP66	7.4 kg 16.2 lbs	+50°C to -20°C	+122°F to -4°F	
32 3W LEDs	100,000h Dynamic	25,000h Full On	6 LED Options	Custom Population	8 Beam Angles	Lens Plate Array
DMX Input	UIM LCD Menu	2 Chase Generators	Stand Alone Mode	Smooth Dimming	Flicker Free	Thermal Management
Twin Yoke	Anodised Metalwork	Exterior Powder Paint	3 Paint Finishes	Custom Colours	5m Cables	16.4' Cables
UK Made	CE Marked	ETL Listed	3 Year Guarantee	Quick-Link	PFM Remote Setup	

For item codes, options, weights and dimensions see page 58-60
For full technical specification and options see datasheets and manuals

ChromaFlood/Beam 100 Series Luminaires

- 100 Watt mains powered super high output LED luminaires designed for architectural and entertainment applications
- 32 high power 3 Watt LEDs driven by Pulsar's advanced 100% flicker-free drive electronics for ultra smooth dimming and colour control
- Choice of 6 LED populations, from single colour to our flagship TriColour technology colour RGB mixing LED devices
- Available in Black, Silver and White finish as standard, with custom colours available to special order
- Interchangeable optional lens plates for change between 8°, 25°, 45°, 12x25°, 10x30°, 10x90° or 90° (No Lens) beam angles
- **ChromaBeam 100 special model offers 5° super-concentrated light beam**
- **Mains Stand Alone (MSA) single colour models also available (85-277 VAC)**



Featured products: ChromaFlood 200 & 100

PULSAR CHROMAFLOOD 100 ROUND



CHROMAFLOOD 100R TRICOLOUR
WITH OPTIONAL TOP HAT



CFLD100R LENS PLATE



USER INTERFACE MODULE

100 Watts	85-277 VAC	IP66	5.5 kg 12.1 lbs	+50°C to -20°C	+122°F to -4°F	
30 3W LEDs	100,000h Dynamic	25,000h Full On	6 LED Options	Custom Population	7 Beam Angles	Lens Plate Array
DMX Input	UIM LCD Menu	2 Chase Generators	Stand Alone Mode	Smooth Dimming	Flicker Free	Thermal Management
Twin Yoke	Anodised Metalwork	Exterior Powder Paint	3 Paint Finishes	Custom Colours	5m Cables	16.4' Cables
UK Made	CE Marked	ETL Listed	3 Year Guarantee	Quick-Link	PFM Remote Setup	

For item codes, options, weights and dimensions see page 58-60
For full technical specification and options see datasheets and manuals

ChromaFlood 100 Round Series Luminaires

- 100 Watt mains powered compact high output LED luminaires designed for architectural and entertainment applications
- 30 high efficiency 3 Watt LEDs driven by Pulsar's advanced 100% flicker-free drive electronics for ultra smooth dimming and colour control
- Choice of 5 LED populations, from single colour to our flagship TriColour technology colour RGB mixing LED devices
- Available in Black, Silver and White finish as standard, with custom colours available to special order
- Interchangeable optional lens plates for change between 8°, 25°, 45°, 12x25°, 10x30°, 10x90° or 90° (No Lens) beam angles
- **Mains Stand Alone (MSA) single colour models also available (85-277 VAC)**



Featured products: ChromaFlood 100 Round



Featured products: ChromaFlood 100 Round & ChromaMR16

PULSAR CHROMABATTEN 300/200/100



CHROMABATTEN 200

USER INTERFACE MODULE

170 Watts/m	85-277 VAC	IP66	9 kg/m 6 lbs/ft	+50°C to -20°C	+122°F to -4°F	
3 Lengths	30x3W LEDs/m	100,000h Dynamic	25,000h Full On	6 LED Options	Custom Population	5 Beam Angles
DMX Input	UIM LCD Menu	2 Chase Generators	Stand Alone Mode	Smooth Dimming	Flicker Free	Thermal Management
Anodised Metalwork	Exterior Powder Paint	3 Paint Finishes	Custom Colours	5m Cables	16.4' Cables	
UK Made	CE Marked	ETL Listed	3 Year Guarantee	Quick-Link	PFM Remote Setup	

For item codes, options, weights and dimensions see page 58-60
For full technical specification and options see datasheets and manuals

ChromaBatten Series Luminaires

- 600, 1200 and 1800mm linear mains powered super high output LED luminaires for architectural and entertainment applications
- High efficiency 3 Watt LEDs driven by Pulsar's advanced 100% flicker-free drive electronics for ultra smooth dimming and colour control
- Choice of 6 LED populations, from single colour to our flagship TriColour technology colour RGB mixing LED devices
- Available in Black, Silver and White paint finish as standard, with custom colours available to special order.
- Integrated lens plate allows for choice of 10°, 25°, 45°, 10x50°, or 90° (No Lens) beam angles
- **Mains Stand Alone (MSA) single colour models also available (85-277 VAC)**



Featured products: ChromaBatten 200

PULSAR CHROMABANK IP 300/200/100



CHROMABANK IP200



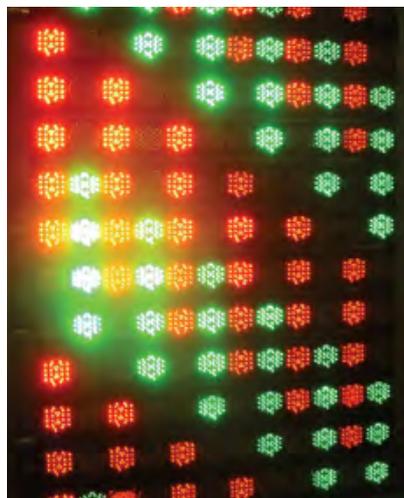
USER INTERFACE MODULE

170 Watts/m	85-277 VAC	IP66	9 kg/m 6 lbs/ft	+50°C to -20°C	+122°F to -4°F	
3 Lengths	810 LEDs/metre	100,000h Dynamic	25,000h Full On	LitePipe Diffuser		
DMX Input	UIM LCD Menu	2 Chase Generators	Stand Alone Mode	Smooth Dimming	Flicker Free	Thermal Management
Anodised Metalwork	Exterior Powder Paint	3 Paint Finishes	Custom Colours	5m Cables	16.4' Cables	
UK Made	CE Marked	ETL Listed	3 Year Guarantee	Quick-Link	PFM Remote Setup	

For item codes, options, weights and dimensions see page 58-60
For full technical specification and options see datasheets and manuals

ChromaBankIP Series Luminaires

- 600, 1200 and 1800mm linear mains powered segment controlled LED luminaires for entertainment applications
- High efficiency 5mm RGB 17 Watt LED clusters driven by Pulsar's advanced 100% flicker-free drive electronics for ultra smooth dimming and colour control
- 12 LED clusters in the CB300/200 (6 for CB100) with individual control of each LED cluster, powerful internal effects controllable via DMX
- Available in Black, Silver and White paint finish as standard, with custom colours available to special order
- 25° beam standard with optional LitePipe for homogenous effect



Featured products: ChromaBank

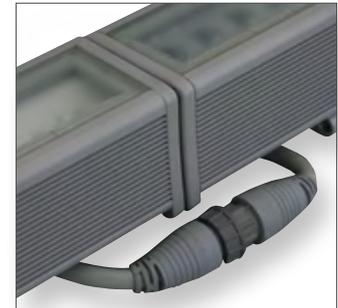
PULSAR CHROMAPOWERRLINE 100/66



CHROMAPOWERRLINE 100



PFMONE REMOTE USER INTERFACE
MODULE (OPTIONAL)



QUICK-LINK POWER & DMX
CONNECTOR DETAIL

85 Watts/m	85-277 VAC	IP66	8 kg/m 6 lbs/ft	+50°C to -20°C	+122°F to -4°F	
2 Lengths	40x3W LEDs/m	100,000h Dynamic	25,000h Full On	6 LED Options	Custom Population	5 Beam Angles
DMX Input	PFM Remote Setup	Stand Alone Mode	Smooth Dimming	Flicker Free	Thermal Management	
Anodised Metalwork	Exterior Powder Paint	3 Paint Finishes	Custom Colours	1m Cable	3.3' Cable	Custom Cable Lengths
UK Made	CE Marked	ETL Listed	3 Year Guarantee	Quick-Link	PFM Remote Setup	

For item codes, options, weights and dimensions see page 58-60
For full technical specification and options see datasheets and manuals

ChromaPowerLine 100/66 Series Luminaires

- 100W - 1200mm and 66W - 800mm linear mains powered high output LED luminaires for architectural and entertainment applications
- High efficiency 3 Watt LEDs driven by Pulsar's advanced 100% flicker-free drive electronics for ultra smooth dimming and colour control
- Separate DMX control of each 400mm LED segment
- Choice of 6 LED type populations, from single colour to our flagship TriColour technology colour RGB mixing LED devices
- Available in Black, Silver and White paint finish as standard, with custom colours available to special order
- Integrated lens plate allows for choice of 10°, 25°, 45°, 10x50°, or 90° (No Lens) beam angles
- **Mains Stand Alone (MSA) single colour models also available (85-277 VAC)**



Featured products: ChromaPowerLine 50

PULSAR CHROMAPOWERRLINE 50/33



CHROMAPOWERRLINE 33



PFMONE REMOTE USER INTERFACE
MODULE (OPTIONAL)



QUICK-LINK POWER &
DMX CONNECTOR DETAIL

42 Watts/m	85-277 VAC	IP66	8 kg/m 6 lbs/ft	+50°C to -20°C	+122°F to -4°F	
2 Lengths	15x3W LEDs/m	100,000h Dynamic	25,000h Full On	6 LED Options	Custom Population	5 Beam Angles
DMX Input	Remote Setup	Stand Alone Mode	Smooth Dimming	Flicker Free	Thermal Management	
Anodised Metalwork	Exterior Powder Paint	3 Paint Finishes	Custom Colours	1m Cable	3.3' Cable	Custom Cable Lengths
UK Made	CE Marked	ETL Listed	3 Year Guarantee	Quick-Link	PFM Remote Setup	

For item codes, options, weights and dimensions see page 58-60
For full technical specification and options see datasheets and manuals

ChromaPowerLine 50/33 Series Luminaires

- 50W - 1200mm and 33W - 800mm linear mains powered high output LED luminaires for architectural and entertainment applications
- High efficiency 3 Watt LEDs driven by Pulsar's advanced 100% flicker-free drive electronics for ultra smooth dimming and colour control
- Choice of 6 LED type populations, from single colour to our flagship TriColour technology colour RGB mixing LED devices
- Available in Black, Silver and White paint finish as standard, with custom colours available to special order
- Integrated lens plate allows for choice of 10°, 25°, 45°, 10x50°, or 90° (No Lens) beam angles
- **Mains Stand Alone (MSA) single colour models also available (85-277 VAC)**



Featured products: ChromaPowerLine 50

PULSAR CHROMAPOWERSPIX 200



CHROMAPOWERSPIX 200



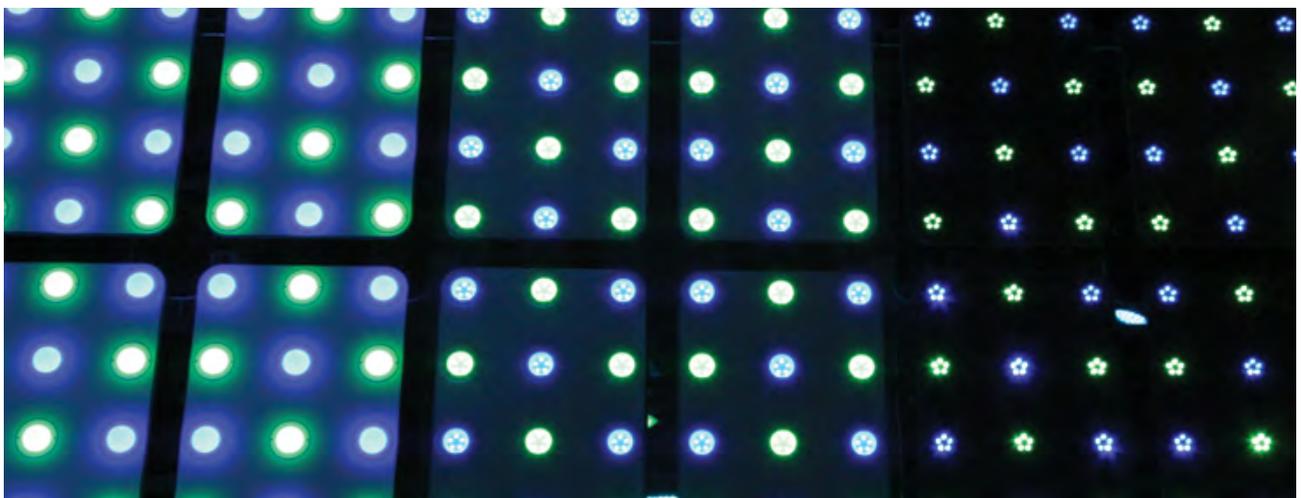
POWERPIX 200 REAR VIEW

200 Watts	85-277 VAC	IP20	13 kg 29 lbs	+50°C to -20°C	+122°F to -4°F	
60 3W LEDs	12 17W Pixels	250mm pixel pitch	100,000h Dynamic	25,000h Full On	3 Beam Plates	4 Beam Angles
DMX Input	UIM LCD Menu	2 Chase Generators	Stand Alone Mode	Smooth Dimming	Flicker Free	Thermal Management
Flexible Suspension	Quicklink Power+DMX	1m Cable	3.3' Cable	Custom Cable Lengths		
UK Made	CE Marked	ETL Listed	3 Year Guarantee	Quick-Link	PFM Remote Setup	

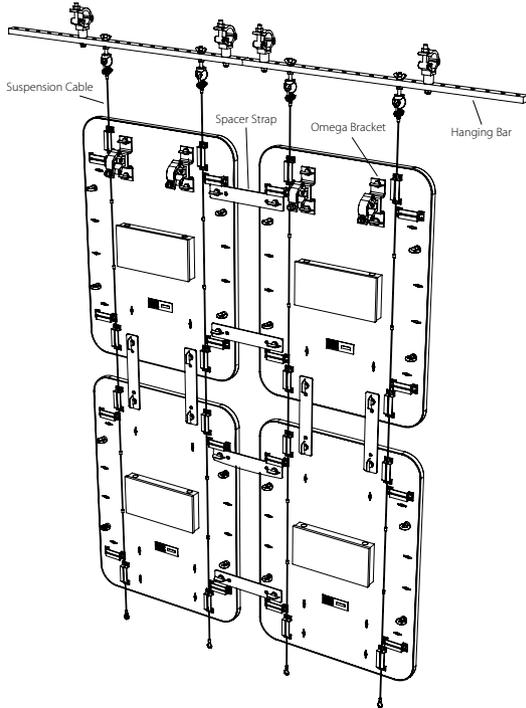
For item codes, options, weights and dimensions see page 58-60
For full technical specification and options see datasheets and manuals

ChromaPowerPix 200 Luminaire

- 200 Watt mains powered super high output multi-use LED panel
- Ideal as a pixel controlled cyclorama backlight, audience blinder, powerful beam effect, visual graphic display, chroma-key source or LED illumination source
- 12 independently controlled clusters of five 3W TriColour LEDs
- 250 mm pixel grid in both portrait or landscape orientation
- 240 LED Watts per square metre, produces an unprecedented level of LED illumination
- Quick change lens/beam option plates available



Featured products: ChromaPowerPix 200 (Domes > Diffusers > Lenses)



ChromaPowerPix 200 Luminaire

- Mounting options including steel wire flying system, spacer straps, omega brackets, hanging bars and yoke/fixing kit
- Lightweight aluminium construction with exterior grade powder paint
- Rubberised fixture surround for ease of handling and protection
- Changeable front decor overlay allows black or white colouring with ease
- DMX control with UIM User Interface Module for addressing and option selection
- Smooth, continuous, flicker-free and step-free light

For item codes, options, weights and dimensions see page 58-60
For full technical specification and options see datasheets and manuals

ChromaPowerPix Lens Plates



- Diffusion Plate: Provides wide angle illumination of cyclorama backdrops. Only 250mm (10") of space required to create totally even illumination



- Lens Plate: Can be used as an Audience Blinder to concentrate light into the gaze of your audience with stunning effect even in the largest stadiums



- Diffusion Domes: Provide 180 degree viewing angle, perfect for pixel based control systems where stunning animated visuals can be created



Featured products: ChromaPowerPix 200 and ChromaStrip 25

PULSAR CHROMAWIRELESS DMX INTERFACES



PWDMX TRANSMITTER



PWDMX RECEIVER



PWDMX KIT



PSU1-XLR5

Pulsar Wireless DMX Interface Features

Wireless DMX Transmitter and Receiver Interfaces provide an extremely cost effective and flexible solution for interconnecting ChromaRange fixtures and industry standard DMX controllers and fixtures.

- PULSAR PWDMX Receivers and Transmitters incorporate the latest Wireless Solution Sweden AB W-DMX™ G4 receiver and transmitter modules communicating on the global 2.4GHz ISM band
- The use of an Adaptive Frequency Hopping Spread Spectrum AFHSS technology ensures interference is kept to a minimum, allowing coexistence of PWDMX and other local wireless systems
- Duplicate transmission of DMX packets on different frequency channels with robust error checking and correction ensures all data sent over the air is protected from corruption
- PWDMX G4 technology accurately re-creates the timings and properties of the DMX packet that are presented to the transmitter
- PWDMX may be considered to be an invisible wire and with only one button to press, setting up PWDMX is exceptionally easy
- PWDMX transmitters can drive an unlimited number of PWDMX receivers. A PWDMX transmitter will transmit all 512 DMX channels. To control more than one Universe simply add additional transmitters
- Ranges of 100m are attainable, with ranges of 250m being possible when the transmitter and receiver pairs are in the clear and correctly oriented
- PWDMX are weatherproof to IP65 rating for external use and utilise high quality IP67 rated XLR5 connectors
- PWDMX units require +6...32VDC and the Low Voltage Supply (LVS) found in most PULSAR fixtures maybe used to power PWDMX units
- **PSU1-XLR5 is an optional indoor rated mains power supply for use when an LVS supply is not available**



QUICK-LINK INPUT CONNECTOR



QUICK-LINK OUTPUT CONNECTOR



QUICK-LINK POWER AND DMX BREAK IN CABLE. (XLR5 AND CEE17M VERSION ALSO AVAILABLE)



QUICK-LINK EXTENSION CABLE 10M



QUICK-LINK EXTENSION CABLE 2M

Quick-Link Combined Power and DMX System

- The Pulsar Quick-Link interconnection system combines power and DMX control on a single connector and cable system
- The Quick-Link system allows rapid interconnection of multiple ChromaRange fixtures and is particularly ideal for long linear runs of fixtures
- Quick-Link connectors and cables are rated at 16 Amps and weatherproof to IP66. Output connectors are provided complete with end of line sealing caps
- Quick-Link is ideal for both temporary and permanent use in architecture and entertainment applications
- Quick-Link is fitted as standard to selected ChromaRange products and is available as a no cost option on all mains powered DMX controllable ChromaRange fixtures
- Quick-Link Break-In cables allow for initial connection to Quick-Link



QUICK-LINK POWER & DMX CONNECTOR DETAIL

PULSAR CHROMAZONE POWER & CONTROL



CHROMAZONE 12-200



CHROMAZONE 6-100C



CHROMAZONE 12-NP

ChromaZone Power and Control Interfaces

- ChromaZone units provide regulated, safe low voltage power and control signals to drive the low voltage range of Pulsar ChromaRange LED fixtures
- Available with two, six or twelve outputs and either wall or rack mounting versions for project / show flexibility
- Two internal Chase Generators provide stunning sequences, which can be accessed from the digital control input. A programmable Stand-alone mode allows operation without a control system
- Ultra advanced interpolating software produces ultra smooth dimming and colour changing with any DMX control signals
- Digital DMX input also allows for remote control by entertainment and architectural control systems and a wide range of operation modes can be selected to suit the control requirements, including a "video" mode for use with matrix and video control systems
- Multiple DMX personality modes allows selection for optimum configuration depending on control system used
- 100% flicker-free LED drive control produces absolutely no flicker under any circumstances, ideal for relaxing or even high speed filming applications
- Remote configuration using Pulsar Fixture Management system

DMX Input	UIM LCD Menu	2 Chase Generators	Stand Alone Mode	Smooth Dimming	Flicker Free	PFM Remote Setup	Thermal Management	UK Made	CE Marked	ETL Listed	3 Year Guarantee
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For item codes and dimensions see page 56-58
For full technical specification and options see datasheet

CZ 12-200W	CZ 12-200W IP	CZ 6-100W	CZ 12-NP	CZ PSU2-35W
IP20	IP65		IP20	
85-277 Volts AC			24 Volts DC (from "Master" CZ12-200)	110/240 Volts AC
200 Watts max		100 Watts max	200 Watts max (from "Master" CZ12-200)	35 Watts max
Outputs: 12x Wago	Outputs: 12 x Hard wired	Output: 6 x Wago	Output 12 x Wago connectors,	Output 2 x Wago connectors
DMX digital input with 6, 9, 10, 36, 42 and 46 channel modes.				2x3 (6) +10V Analogue control inputs
Power In: 1 x locking IEC	Power In: Hard wired	Power In: 1 x locking IEC	Power & Control In: 1xXLR4 (24V+DMX)	Power In: 1 x Trailing flex
Control: 2 x XLR5	Control: Hard wired	Control: 2 x XLR5		Control 2 x 8 pin DIN
NP Zone link output: 1xXLR4 (24V+DMX)			NP Zone link output: 1xXLR4 (24V+DMX)	

PULSAR CHROMAZONE POWER & CONTROL



CHROMAZONE 12-600 XLR6

CHROMAZONE 12-200 IP



CHROMAZONE 12-600 XLR6 - REAR VIEW

ChromaZone Power and Control Interfaces

- Four 19" rack mounting ChromaZoneRMs are now available. The compact 2U devices also feature a LCD menu driven user interface. The RMX3 models provide three times the power to drive the new series of X3 products, such as 12 ChromaBatten50s
- ChromaZone 12-200IP provides IP65 weatherproof power and control for up to 200 Watts of ChromaRange fixture over 12 individually controllable output circuits
- Our CZIP65E enclosure (not shown) is available and designed to house our rack mount ChromaZone units and comes complete with mounting plate and weatherproof cable glands

ChromaRange Control Flexibility

- Stand Alone: ChromaZones can be configured to operate completely autonomously using the UIM menu, this is ideal for shop window type displays
- Simple Control: Push button synchronisation of ChromaZone units can easily be achieved by our Outstation OS1 programmable control desk. OS1 comes factory pre-programmed for the ChromaRange out of the box
- Remote DMX: Allows for remote control via entertainment or architectural control systems using industry standard DMX protocol



OS1 CONTROLLER

DMX Input	UIM LCD Menu	2 Chase Generators	Stand Alone Mode	Smooth Dimming	Flicker Free	PFM Remote Setup	Thermal Management	UK Made	CE Marked	ETL Listed	3 Year Guarantee
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For item codes and dimensions see page 56-58
For full technical specification and options see datasheet

CZ 12-200W RM	CZ 12-600W RM	CZ 12-600W RM XLR6	CZ 6-300W RM
IP20			
85-277 Volts AC	85-240 Volts AC		
200 Watts max	600 Watts max		300 Watts max
Output 12 x Wago Connectors		Output 12 x XLR6 Connectors	Output 6 x Wago Connectors
DMX digital input with 6, 9, 10, 36, 42 and 46 channel modes.			
Power In: 1 x Locking IEC Connector			
Control: 2 x XLR5 Connectors			

PULSAR CHROMAZONE POWER & CONTROL



POWERED DMX BUFFER PD12-200



PSU12-200IP WITH SUPPLIED M12 GLANDS

PD12-200

- The PD12-200 Power and DMX Buffer provides 150W of 24V DC power (200W max mains) with protected power outputs and buffered and protected DMX outputs
- Designed for controlling the ChromaPixelStrip25 but also ideal for other lights and accessories requiring Power and DMX, such as Colour Scrollers
- Six independent DMX Amplifiers and Buffers feed 12 outputs in pairs (Suitable for any signal DC – 500K Baud.)
- Outdoor/Indoor IP65 version available - PD12-200IP

PSU12-200IP

- The PSU12-200IP Power Supply Unit provides 150W of 24V DC power (200W max mains) in a weather-resistant IP65 plastic enclosure
- Designed for the ChromaStrip 24V but can be utilised for other items requiring just power
- Hardwired WAGO Cage Clamp connectors for speed and reliability
- All 12 outputs protected by self-resetting thermal fuses
- 14 x M12 IP65 glands provided for the 24V DC outputs and Mains in and Thru to keep the unit weather-resistant
- Holes pre-printed to guide drilling and tapping and allow for fixture customisation on individual projects
- Indoor IP20-rated version available - PSU12-200

For item codes, options, weights and dimensions see page 58-60
For full technical specification and options see datasheets and manuals

DMX Input	Thermal Management	UK Made	CE Marked	ETL Listed	3 Year Guarantee
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PD12-200	PSU12-200IP
IP20	IP65
85-277 Volts AC	
200 Watts max	
Outputs: 12 x Wago	Outputs: 12 x Hard wired
Power In: 1 x locking IEC	Power In: Hard wired
Signal-in: 2 x XLR5	

For item codes, dimensions, full technical specification, and options see datasheet or our website.



PULSAR PULSAR FIXTURE MANAGEMENT



PULSAR FIXTURE MANAGER ONE

Pulsar Fixture Management

- Pulsar Fixture Management (PFM) is a centralised remote-configuration solution for Pulsar ChromaRange Lighting Fixtures and ChromaZone Power Supply-Controllers
- The Pulsar Fixture Manager One (PFMOne) connects to the DMX Line to configure all the Fixtures' settings that would be traditionally be set on their User Interface Module (UIM)
- PFM is a bonus for configuring Fixtures in inaccessible places and essential for Fixtures without a UIM like ChromaPixelStrips
- PFM enables the option of having UIM-less versions of our Fixtures for tamper resistance and cost saving
- PFMOne can store the settings for up to 400 Fixtures, so work live or pre-prepare the settings off-line and download them later to the whole rig or installation
- Individual ChromaFixtures and ChromaZones on the DMX Line are identified by Fixture-Type and Serial Number. Fixtures light Magenta until PFMOne's Fixture-Type matches, then Blue if its Serial Number is too high, Red if it's too low and Green if it matches
- PFMOne receives its Low Voltage Supply (LVS) from the nearest Fixture on the DMX Line via Pin 5, or our PSU1-XLR5 if the LVS is switched off or the DMX cable is 3-core
- PFM works across Pulsar Wireless DMX and through all our DMX Buffers
- PFM can configure any ChromaFixture that uses "ChromaZone Software" and is fitted with Version 4.9 or later ¹

Compatible Products:

- ChromaZones
- ChromaPixelStrip
- ChromaPowerPix
- ChromaFlood 100, 200, 400
- ChromaBeam
- ChromaBank
- ChromaPowerLine
- ChromaBatten 100, 200, 300

Configurable Settings:

- DMX Address
- ChromaZone Mode: 3, 6, 9, 10, 28, 36, 42, 46 Channel Mode ²
- Channels per Fixture: 1, 2, 3, 6, 9, 18, 36 ²
- Fixture Number: 1-n of N ²
- Chase Patterns: 6 or 12 Way inbuilt patterns
- Ch.10 is Grand Master for: 36 x RGB channels / Global Grand Master
- Inter-Bit Smoothing: ON / OFF
- Low Voltage Supply: ON / OFF
- DMX Line Termination: ON / OFF
- If No Signal Use: Stand Alone Mode / Last DMX Packet
- Stand Alone Settings: Set the levels of up to 46 Channels to use in the event of no DMX signal

PFM Output	UIM LCD Menu	UK Made	CE Marked	ETL Listed	3 Year Guarantee
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For item codes, dimensions, full technical specification, and options see datasheets or our website.

¹ Models with older software may have their software upgraded by changing their micro – please consult our Service Department
² Available options depend on ChromaZone model

PULSAR CHROMAFLOOD 50



CHROMAFLOOD 50 TRICOLOUR



CFLD50 WITH OPTIONAL SNOOT



CFLD50 LENS PLATE

50 Watts	24V DC	85-277V MSA version	IP66	2.2 kg 5.7 lbs	+50°C to -20°C	+122°F to -4°F
15 3W LEDs	100,000h Dynamic	25,000h Full On	6 LED Options	Custom Population	7 Lens Options	Lens Plate Array
+10V Input	Smooth Dimming	Flicker Free	Thermal Management	Chroma Zone Driven		
Twin Yoke	Anodised Metalwork	Exterior Powder Paint	3 Paint Finishes	Custom Colours	5m ChromaFlex	16.4' ChromaFlex
UK Made	CE Marked	ETL Listed	3 Year Guarantee			

For item codes, options, weights and dimensions see page 58-60
For full technical specification and options see datasheets and manuals

ChromaFlood 50 Series Luminaires

- 50 Watt low voltage powered compact high output LED luminaires designed for architectural and entertainment applications
- 15 high efficiency 3 Watt LEDs driven by Pulsar's advanced 100% flicker-free drive electronics for ultra smooth dimming and colour control
- Choice of 6 LED populations, from single colour to our flagship TriColour technology colour RGB mixing LED devices
- Available in Black, Silver and White paint finishes as standard, with custom colours available to special order
- Interchangeable optional lens plates for change between 8°, 25°, 45°, 12x25°, 10x30°, 10x90° or 90° (No Lens) beam angles
- **Mains Stand Alone (MSA) single colour models also available (85-277 VAC)**



Featured products: ChromaFlood 50



CHROMABATTEN 50
WITH OPTIONAL FLOOR STANDING FEET

50 Watts	24V DC	IP66	2.7 kg 5.9 lbs	+50°C to -20°C	+122°F to -4°F
16 3W LEDs	100,000h Dynamic	25,000h Full On	6 LED Options	Custom Population	7 Lens Options
+10V Input	Smooth Dimming	Flicker Free	Thermal Management	Chroma Zone Driven	
Single Yoke	Anodised Metalwork	Exterior Powder Paint	3 Paint Finishes	Custom Colours	5m ChromaFlex
UK Made	CE Marked	ETL Listed	3 Year Guarantee		16.4' ChromaFlex

For item codes, options, weights and dimensions see page 58-60
For full technical specification and options see datasheets and manuals

ChromaBatten 50 Series Luminaires

- 50 Watt low voltage powered compact high output LED luminaires designed for architectural and entertainment applications
- 16 high efficiency 3 Watt LEDs driven by Pulsar's advanced 100% flicker-free drive electronics for ultra smooth dimming and colour control
- Choice of 5 LED populations, from single colour to our flagship TriColour technology colour RGB mixing LED devices
- Available in Black, Silver and White paint finishes as standard, with custom colours available to special order
- Intergrated lens plate for beam angles of 8°, 25°, 45°, 12x25°, 10x30°, 10x90° or 90° (No Lens)



Featured products: ChromaBatten 50



PULSAR CHROMA AR111 RANGE



CHROMAAR111 TRICOLOUR



CHROMAAR111 WITH
OPTIONAL MOUNTING BRACKET



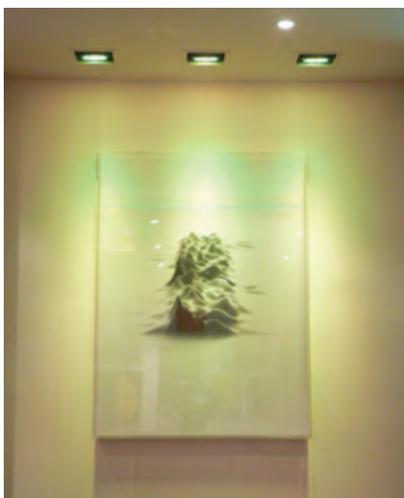
CHROMA AR111 SINGLE COLOUR
HIGH BRIGHTNESS NEUTRAL WHITE

17 Watts	24V DC	IP66	0.9 kg 1.8 lbs	+50°C to -20°C	+122°F to -4°F
5 3W LEDs	100,000h Dynamic	25,000h Full On	3 LED Options	Custom Population	7 Beam Angles
+10V Input	Smooth Dimming	Flicker Free	Thermal Management	Chroma Zone Driven	
Anodised Metalwork	Exterior Powder Paint	3 Paint Finishes	Custom Colours	Optional Bracket	5m ChromaFlex
UK Made	CE Marked	ETL Listed	3 Year Guarantee		16.4' ChromaFlex

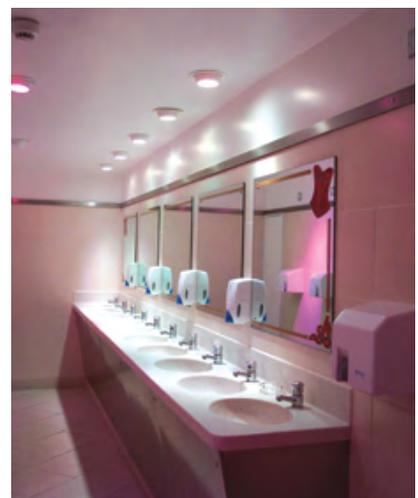
For item codes, options, weights and dimensions see page 58-60
For full technical specification and options see datasheets and manuals

ChromaAR111 Luminaire

- Compact, low voltage, weather-proof and stylish luminaires for entertainment and architectural applications
- 5 High efficiency 3 Watt LEDs driven by Pulsar's advanced 100% flicker-free drive electronics for ultra smooth dimming and colour control
- Choice of 3 LED type populations, from high efficiency single colour to our flagship TriColour technology RGB colour mixing LED devices
- **Single Colour HP models provides extra high efficiency and output**
- Available in Black, Silver and White finishes as standard, with custom colours available to special order
- Many lenses options provide great flexibility with choice of 8°, 25°, 45°, 12x25°, 10x30°, 10x90° or 90° (No Lens) beam angles



Featured products: ChromaFlood AR111 Angle Flush



PULSAR CHROMA AR111



CHROMA AR111
PARCAN



CHROMA AR111
FLUSH



CHROMA AR111TC
WITH HEMISPHERICAL DOME



CHROMA AR111
ANGLEFLUSH

17 Watts	24V DC	IP66	0.9 kg 1.8 lbs	+50°C to -20°C	+122°F to -4°F
5 3W LEDs	100,000h Dynamic	25,000h Full On	3 LED Options	Custom Population	7 Beam Angles
+10V Input	Smooth Dimming	Flicker Free	Thermal Management	Chroma Zone Driven	
Anodised Metalwork	Exterior Powder Paint	3 Paint Finishes	Custom Colours	Optional Bracket	5m ChromaFlex
UK Made	CE Marked	ETL Listed	3 Year Guarantee		16.4' ChromaFlex

For item codes, options, weights and dimensions see page 58-60
For full technical specification and options see datasheets and manuals

ChromaAR111 Luminaire

- Compact, low voltage, stylish luminaires for Architectural and Entertainment applications
- Five high luminosity 3 Watt LEDs driven by Pulsar's advanced flicker-free electronics for ultra-smooth dimming and colour control
- Choice of 3 LED type populations: Single Colour, Ultra Violet and our flagship TriColour technology RGB colour mixing LED devices
- Single Colour High Brightness models provide extra-high electrical efficiency and luminous output at an economical price
- Available free standing with optional bracket, mounted in our Flush or AngleFlush fittings, or fitted with an Opal Polycarbonate Dome
- Finished in Black, Silver or White as standard with custom colours available to order



Featured products: ChromaAR111 AngleFlush

PULSAR CHROMALINE 1200/800/400



40 Watts/m	24V DC	IP66	3.2 kg/m 2.1 lbs/ft	+50°C to -20°C	+122°F to -4°F	
3 Lengths	30x3W LEDs/m	100,000h Dynamic	25,000h Full On	4 LED Options	Custom Population	5 Lens Options
+10V Input	Smooth Dimming	Flicker Free	Thermal Management	Chroma Zone Driven		
Anodised Metalwork	Exterior Powder Paint	3 Paint Finishes	Custom Colours	5m ChromaFlex	16.4' ChromaFlex	
UK Made	CE Marked	ETL Listed	3 Year Guarantee			

ChromaLine Series Luminaires

- 1200, 800 and 400mm linear low voltage powered high output LED luminaires for architectural and entertainment applications
- High efficiency 3 Watt LEDs driven by Pulsar's advanced 100% flicker-free drive electronics for ultra smooth dimming and colour control
- Choice of 3 LED type populations, from single colour to our flagship TriColour technology colour RGB mixing LED devices
- Available in Black, Silver and White paint finish as standard, with custom colours available to special order.
- Integrated lens plate allows for choice of 10°, 25°, 45°, 10x50°, or 90° (No Lens) beam angles

For item codes, options, weights and dimensions see page 58-60
For full technical specification and options see datasheets and manuals



Featured products: ChromaLine

PULSAR CHROMASTRIP X3 1200/900/600/300



CHROMASTRIP X3 600MM

40 Watts/m	24V DC	IP66	3.2 kg/m 2.1 lbs/ft	+50°C to -20°C	+122°F to -4°F	
4 Lengths	40x3W LEDs/m	100,000h Dynamic	25,000h Full On	5 LED Options	Custom Population	5 Lens Options
+10V Input	Smooth Dimming	Flicker Free	Thermal Management	Chroma Zone Driven		
Anodised Metalwork	Exterior Powder Paint	3 Paint Finishes	Custom Colours	5m ChromaFlex	16.4' ChromaFlex	
UK Made	CE Marked	ETL Listed	3 Year Guarantee			

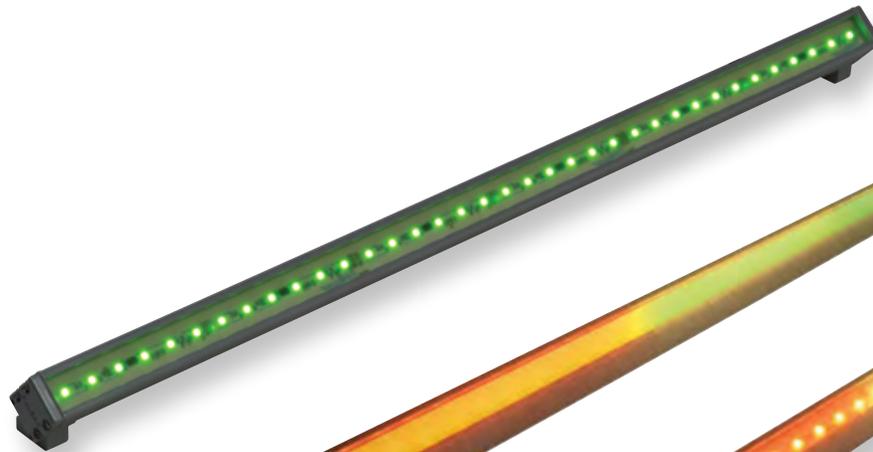
For item codes, options, weights and dimensions see page 58-60
For full technical specification and options see datasheets and manuals

ChromaStrip X3 Series Luminaires

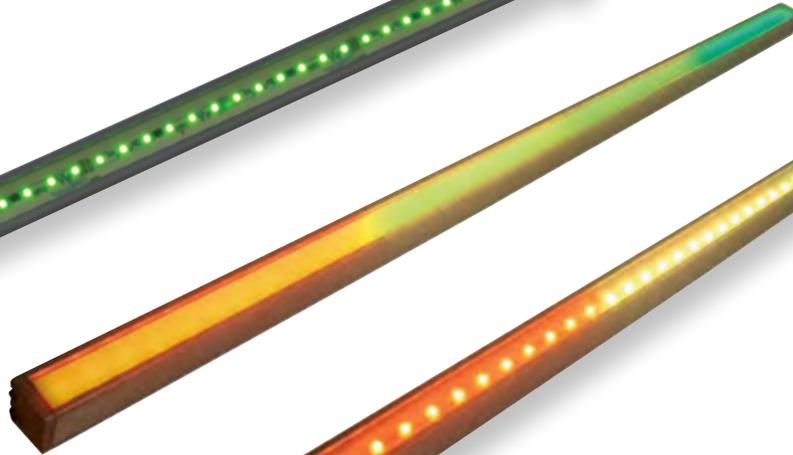
- 1200, 900, 600 and 300mm linear low voltage powered high output LED luminaires for architectural and entertainment applications
- High efficiency 3 Watt LEDs driven by Pulsar's advanced 100% flicker-free drive electronics for ultra smooth dimming and colour control
- Choice of 5 LED type populations, from single colour to our flagship TriColour technology colour RGB mixing LED devices
- Available in Black, Silver and White paint finish as standard, with custom colours available to special order
- Integrated lens plate allows for choice of 10°, 25°, 45°, 10x50°, or 90° (No Lens) beam angles



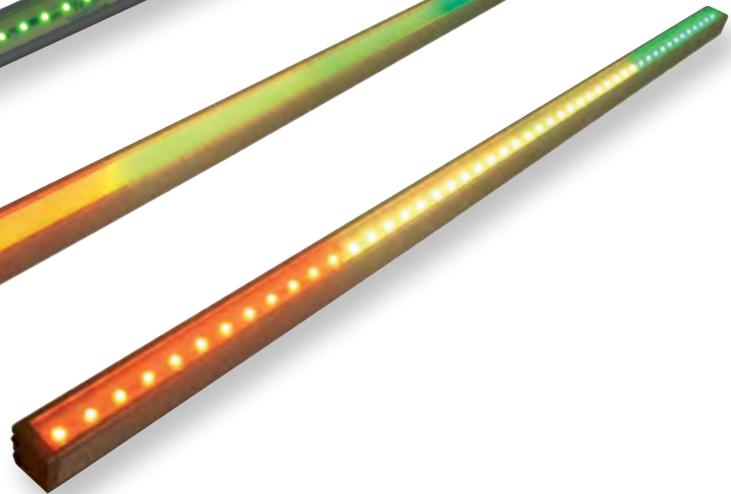
PULSAR CHROMASTRIP X1



CHROMASTRIP X1 1200



CHROMASTRIP X1 1200 OPAL



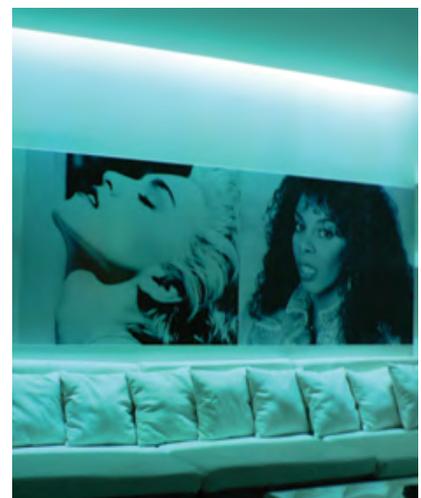
CHROMASTRIP X1 1200 TC4

14 Watts/m	24V DC	IP66	3.2 kg/m 2.1 lbs/ft	+50°C to -20°C	+122°F to -4°F		
4 Lengths	40 LEDs/m	100,000h Dynamic	25,000h Full On	2 LED Options	Custom Population	2 Lens Options	
+10V Input	Smooth Dimming	Flicker Free	Thermal Management	Chroma Zone Driven			
UV Protected	5m ChromaFlex	16.4' ChromaFlex	Custom Cable Options				
UK Made	CE Marked	ETL Listed	3 Year Guarantee				

ChromaStrip X1 Series Luminaires

- 1200, 900, 600 and 300mm linear low voltage powered LED luminaires for architectural and entertainment applications
- High efficiency LEDs driven by Pulsar's advanced 100% flicker-free drive electronics for ultra smooth dimming and colour control
- Choice of 2 LED type populations, from single colour to our flagship TriColour technology colour RGB mixing LED devices
- Available in Black, Silver and White paint finish as standard, with custom colours available to special order
- 100° (No Lens) beam angle as standard with an optional opal diffusion to provide homogenous illumination

For item codes, options, weights and dimensions see page 58-60
For full technical specification and options see datasheets and manuals



Featured products: ChromaStrip X1

PULSAR CHROMAPIXELSTRIP 25



ACTUAL SIZE
25 MM DIAMETER

CHROMAPIXELSTRIP 25 1200MM

CHROMASTRIP 25 NARROW LENS



PDMX12-200

14 Watts/m	24V DC	IP66	0.4 kg/m 0.3 lbs/ft	+50°C to -20°C	+122°F to -4°F		
12 Lengths	40 LEDs/m	100,000h Dynamic	25,000h Full On	2 LED Options	Custom Population	3 Lens Options	
DMX Input	Smooth Dimming	Flicker Free	Thermal Management	PFM Remote Setup			
UV Protected	Clips Supplied	5m DataFlex	16.4' DataFlex	Custom Cable Options			
UK Made	CE Marked	ETL Listed	3 Year Guarantee				

For item codes, options, weights and dimensions see page 58-60
For full technical specification and options see datasheets and manuals

ChromaPixelStrip 25 Series Luminaires

- Linear low voltage compact LED poly-carbonate tube luminaires ideal for architectural and entertainment applications
- Direct DMX input with control over each 150mm segment
- Available in lengths from 150 to 1800mm in increments of 150mm and linkable in runs of up to 3.6 metres (16')
- High efficiency LEDs driven by Pulsar's advanced 100% flicker-free drive electronics for ultra smooth dimming and colour control
- Choice of two LED type populations, either single colour to our flagship TriColour technology colour RGB mixing LED devices
- An optional lens tightens the beam to 20° from its 100° without lens, and the circuit may be reversed to shine through the ribbed side of the tube for a wider visual effect, providing total flexibility



Featured products: ChromaStrip 25



PULSAR CHROMASTRIP 25



CHROMASTRIP 25
TRICOLOUR 900MM

CHROMASTRIP 25
TRICOLOUR 300MM

CHROMASTRIP 25
NARROW LENS

14 Watts/m	24V DC	IP66	0.4 kg/m 0.3 lbs/ft	+50°C to -20°C	+122°F to -4°F		
16 Lengths	40 LEDs/m	100,000h Dynamic	25,000h Full On	2 LED Options	Custom Population	3 Lens Options	
+10V Input	Smooth Dimming	Flicker Free	Thermal Management	Chroma Zone Driven			
UV Protected	Clips Supplied	5m ChromaFlex	16.4' ChromaFlex	Custom Cable Options			
UK Made	CE Marked	ETL Listed	3 Year Guarantee				

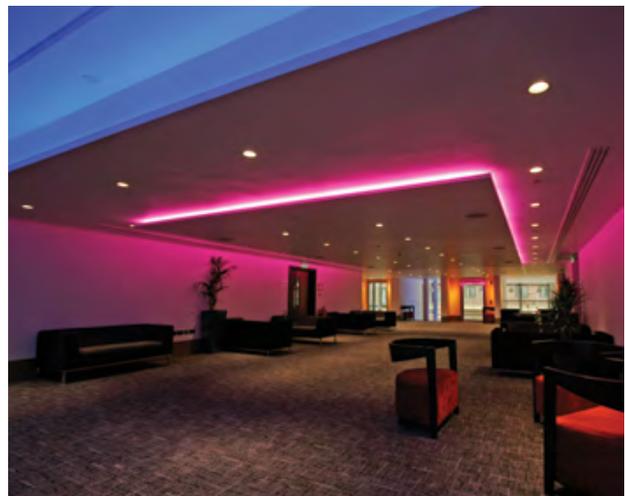
For item codes, options, weights and dimensions see page 58-60
For full technical specification and options see datasheets and manuals

ChromaStrip 25 Series Luminaires

- Linear low voltage compact LED polycarbonate tube luminaires ideal for architectural and entertainment applications.
- Available in from 150 to 2400mm increments of 150mm
- High efficiency LEDs driven by Pulsar's advanced 100% flicker-free drive electronics for ultra smooth dimming and colour control
- Choice of 2 LED type populations, from single colour to our flagship TriColour technology colour RGB mixing LED devices
- An optional lens tightens the beam to 20° from its 100° without lens, and the circuit may be reversed to shine through the ribbed side of the tube for a wider visual effect, providing total flexibility



Featured products: ChromaStrip 25



PULSAR CHROMASTRIP 24V



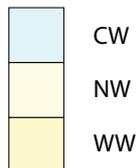
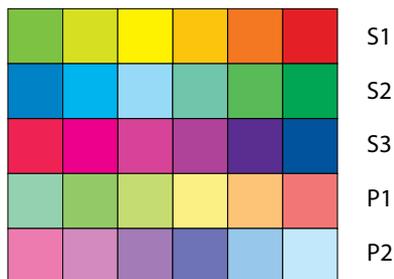
14 Watts/m	24V DC	IP66	0.4 kg/m 0.3 lbs/ft	+50°C to -20°C	+122°F to -4°F
16 Lengths	40 LEDs/m	25,000h Full On	Custom Population	3 Lens Options	
Flicker Free	Thermal Management	PSU Driven			
UV Protected	Clips Supplied	5m ChromaFlex Twin	16.4' ChromaFlex Twin	Custom Cable Options	
UK Made	CE Marked	ETL Listed	3 Year Guarantee		

For item codes, options, weights and dimensions see page 58-60
For full technical specification and options see datasheets and manuals

ChromaStrip 24V Series Luminaires

- Compact, linear, low-voltage LED polycarbonate tube luminaires designed for Fixed Colour Architectural and Entertainment applications
- This is the Full-On, Fixed Colour, Economical version of our successful and proven ChromaStrip25
- Available in lengths from 150 to 2400mm in 150mm increments and linkable in runs of up to 3.6 meters (11.8')
- High luminosity LEDs driven by Pulsar's smooth, constant, totally flicker-free and efficient electronics, from a 24V DC supply
- Choose from a wide gamut of: 18 Rich Saturated Colours, 12 Pastel Colours, 3 Whites – Cool, Neutral, and Warm – and configurable per 150mm segment for ultimate flexibility and customisation
- Optional 20° lens tightens the standard 100° beam angle, while rotating the circuit to shine through the tube's ribbed side gives a wider visual effect, providing total flexibility

1 2 3 4 5 6



APPROXIMATE COLOUR PALETTE

S1-3: Strong Colours

P1-2: Pastel Colours

W: Whites



CHROMASPHERE RANGE



CHROMACUBE 300

50 W 650/500	17 W 400/300/250	3.5 W 200/150	24V DC	IP66	+50°C to -20°C	+122°F to -4°F
8 Sizes	100,000h Dynamic	25,000h Full On	3 LED Options	Custom Population		
+10V Input	Smooth Dimming	Flicker Free	Thermal Management	Chroma Zone Driven		
UV Safe Polyethylene	5m ChromaFlex	16.4' ChromaFlex				
UK Made	CE Marked	ETL Listed	3 Year Guarantee			

For item codes, options, weights and dimensions see page 58-60
For full technical specification and options see datasheets and manuals

ChromaSphere and ChromaCube Luminaires

- The ChromaSphere is an exciting creative LED sphere that can be controlled to generate any colour
- ChromaSphere is available in seven diameters and three different power ratings in a polished opal polyethylene sphere and is internally illuminated with high-power LEDs. They are designed for indoor and outdoor applications and an optional mounting plinth is available
- ChromaCube is a opal polyethylene cube internally illuminated with high-power LEDs allowing you to change it to any colour! ChromaCube is ideal for indoor or outdoor use. It can also be used as decorative bricks and is often used to create eye-catching displays for TV and concerts



Featured products: ChromaSphere 300





CHROMAPANEL 600



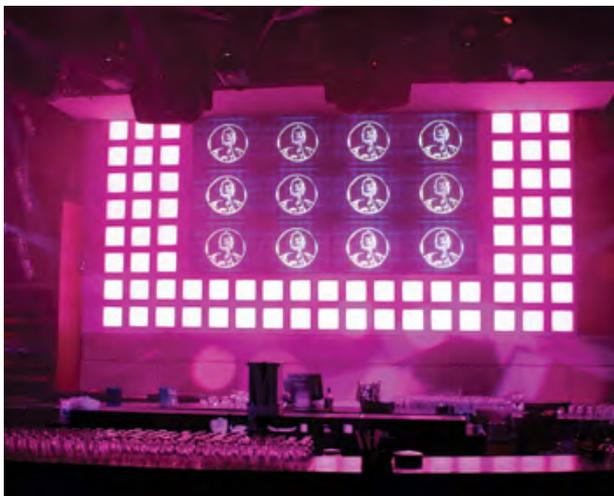
CHROMADECK

17 W 600mm	3.5 W 300mm	24V DC	IP20	+50°C to -20°C	+122°F to -4°F
2 Sizes	100,000h Dynamic	25,000h Full On	3 LED Options	Custom Population	
+10V Input	Smooth Dimming	Flicker Free	Thermal Management	Chroma Zone Driven	
UV Safe Polycarbonate	5m ChromaFlex	16.4' ChromaFlex			
UK Made	CE Marked	ETL Listed	3 Year Guarantee		

For item codes, options, weights and dimensions see page 58-60
For full technical specification and options see datasheets and manuals

ChromaPanel and ChromaDeck Luminaires

- The Pulsar ChromaPanel creates a vivid panel of perfectly even colour calibrated illumination. Available in 600 and 300mm sizes, ChromaPanels are extremely flexible and are used in architecture, television, studios, concert and interior design projects. Their lightweight constructions makes for easy suspension and installation
- ChromaDeck is a hybrid of the LiteDeck staging system and the innovative ChromaPanel. It is perfect for fixed installations or as part of a temporary touring stage or TV sets
- ChromaDeck is compatible with the standard LiteDeck staging system and is rated for a full 125 kg dynamic load. For levelling on uneven ground all four feet are adjustable



Featured products: ChromaPanel 300



Featured products: ChromaDeck

PULSAR CHROMAINGROUND 50



CHROMAINGROUND 50 WITH MOUNTING KIT



CHROMAINGROUND 50 REAR VIEW

50 Watts	24V DC	85-277V MSA version	IP68 IK10	2.5 kg 5.5 lbs	+50°C to -20°C	+122°F to -4°F
15 3W LEDs	100,000h Dynamic	25,000h Full On	6 LED Options	Custom Population	7 Lens Options	
+10V Input	Smooth Dimming	Flicker Free	Thermal Management	Chroma Zone Driven		
Stainless Steel	316 Marine Grade	10mm Tough Glass	IK 10 Rated	IP68 Connector	Gimbal Alignment	
UK Made	CE Marked	ETL Listed	3 Year Guarantee			

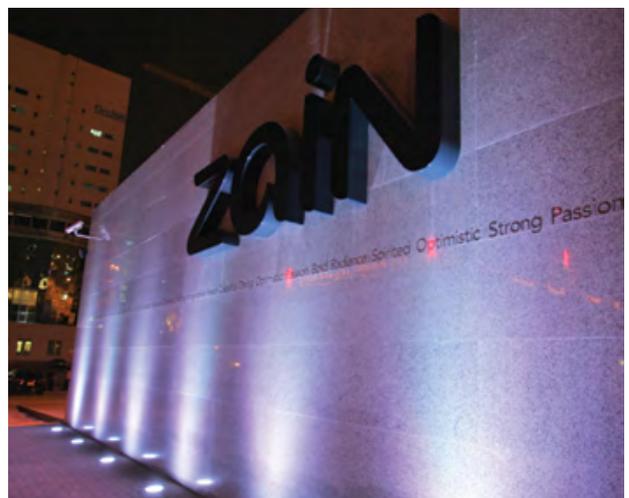
For item codes, options, weights and dimensions see page 58-60
For full technical specification and options see datasheets and manuals

ChromaInGround 50 Luminaire

- 50 Watt low voltage powered In Ground high output LED luminaires designed for architectural and entertainment applications
- 15 high efficiency 3 Watt LEDs driven by Pulsar's advanced 100% flicker-free drive electronics for ultra smooth dimming and colour control
- Choice of 6 LED populations, from single colour to our flagship TriColour technology colour RGB mixing LED devices
- Fabricated from 316 marine grade brushed stainless steel with a 10mm (0.4") toughened glass allowing it to be walked or driven over
- Special ChromaFlexSUB underwater IP68 cable is available separately
- Available in 8°, 25°, 45°, 12x25°, 10x30°, 10x90° or 90° (No Lens) beam angles
- **Mains Stand Alone (MSA) single colour models also available (85-277 VAC)**



Featured products: ChromaInGround 50





CHROMASCAPE AR111 SQUARE
WITH OPTIONAL BRACKET



CHROMASCAPE AR111 BEVEL



STANDARD OR DEEP
MOUNTING KITS

17 Watts	24V DC	IP68	1.7 kg 3.6 lbs	+50°C to -20°C	+122°F to -4°F
5 3W LEDs	100,000h Dynamic	25,000h Full On	3 LED Options	Custom Population	7 Lens Options
+10V Input	Smooth Dimming	Flicker Free	Thermal Management	Chroma Zone Driven	
Stainless Steel 316	IP68 Connector	Gimbal Alignment	Floor Stand	InGround Mounting Kit	
UK Made	CE Marked	ETL Listed	3 Year Guarantee		

For item codes, options, weights and dimensions see page 58-60
For full technical specification and options see datasheets and manuals

ChromaScape Luminaire

- 17 Watt low voltage powered In Ground high output LED luminaires designed for exterior or underwater architectural applications
- 5 high efficiency 3 Watt LEDs driven by Pulsar's advanced 100% flicker-free drive electronics for ultra smooth dimming and colour control
- Choice of 3 LED populations, from single colour to our flagship TriColour technology colour RGB mixing LED devices
- 316 marine grade stainless steel with a 5mm (0.2") toughened-glass
- Special ChromaFlexSUB underwater IP68 cable is available separately
- Many lenses options provide great flexibility with a choice of 8°, 25°, 45°, 12x25°, 10x30°, 10x90° or 90° (No Lens) beam angles



Featured products: ChromaScape

PULSAR CHROMAINGROUND MR16



CHROMAINGROUND MR16



CHROMAINGROUND MR16 WITH OPAL DISC

3.5 Watts	24V DC	IP68 IK10	0.6 kg 1.3 lbs	+50°C to -20°C	+122°F to -4°F	
100,000h Dynamic	25,000h Full On	4 LED Options	Custom Population	2 Beam Options	100° Beam TC	25° Beam 5mm
+10V Input	Smooth Dimming	Flicker Free	Thermal Management	Chroma Zone Driven		
Stainless Steel	316 Marine Grade	10mm Tough Glass	IK 10 Rated			
UK Made	CE Marked	ETL Listed	3 Year Guarantee			

For item codes, options, weights and dimensions see page 58-60
For full technical specification and options see datasheets and manuals

ChromaInGround MR16 Series Luminaires

- Beautiful, brushed stainless steel In Ground LED luminaires designed for architectural and entertainment applications
- LEDs driven by Pulsar's advanced 100% flicker-free drive electronics for ultra smooth dimming and colour control
- Choice of 4 LED populations, from single colour to our flagship TriColour technology colour RGB mixing LED devices
- 316 marine grade stainless steel with a 5mm (0.2") toughened glass
- The IP68 version is supplied with 20m ChromaFlexSUB underwater cable
- Supplied opal disc may be fitted internally to give an evenly illuminated disc of light rather than viewing the LEDs directly



Featured products: ChromaInGround MR16



CHROMAPOINT ALI
WITH DOME



CHROMAPOINT



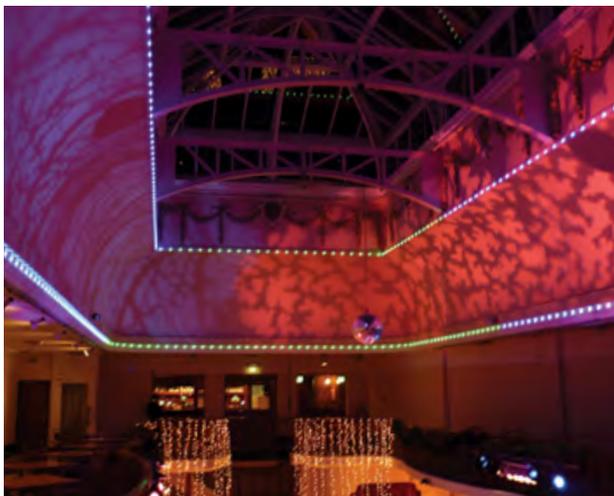
CHROMAPOINT WITH DIFFUSER

1.5 Watts	24V DC	IP68	0.3 kg 0.7 lbs	+50°C to -20°C	+122°F to -4°F
3 LEDs	100,000h Dynamic	25,000h Full On	2 LED Options	Custom Population	2 Lens Options
+10V Input	Smooth Dimming	Flicker Free	Thermal Management	Chroma Zone Driven	
Stainless Steel	316 Marine Grade	Opal Diffuser	3m ChromaFlex	19.8' ChromaFlex	
UK Made	CE Marked	ETL Listed	3 Year Guarantee		

For item codes, options, weights and dimensions see page 58-60
For full technical specification and options see datasheets and manuals

ChromaPoint Luminaire

- The Pulsar ChromaPoint is an extremely compact LED fixture that features full RGB colour control of its 3 TriColour emitters, each containing 3 LEDs. These produce stunning controllable mixed colour directly from the source
- The ChromaPoint is fabricated from 316 marine grade brushed stainless steel with a 4mm (0.16") toughened front glass allowing the unit to be walked or driven over
- The ChromaPoint has a wide viewing angle of 100 degrees making it ideal as a decorative point light source in architecture, interior design or stage and set design. An opal insert is supplied that can be fitted to produce an even circle of colour
- An aluminium model with opal dome is also available for display use



Featured products: ChromaPoint



PULSAR CHROMAMR16 RANGE



CHROMACRYSTALBALL



CHROMATUBE



CHROMAAEROTUBE



CHROMAANGLEFLUSH



CHROMABOTTLEWASHER
(BOTTLE NOT INCLUDED)



CHROMABIRDIE



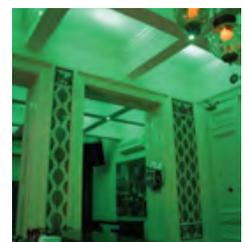
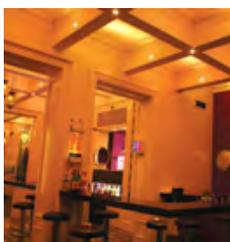
CHROMABUMP

3.5 Watts	24V DC	+50°C to -20°C	+122°F to -4°F	
100,000h Dynamic	25,000h Full On	5 LED Options	Custom Population	2 Beam Angles
+10V Input	Smooth Dimming	Flicker Free	Thermal Management	Chroma Zone Driven
3m ChromaFlex	9.8' ChromaFlex			
UK Made	CE Marked	ETL Listed	3 Year Guarantee	

For item codes, options and dimensions see page 56-58
For full technical specification and options see datasheet

ChromaMR16 Range Luminaires

- Pulsar's ChromaMR16 range provides a vast selection of possibilities for designers, with interior, exterior and even underwater versions. ChromaMR16 fixtures are ideally suited to interior design applications and provide beautiful colour control of walls, alcoves and glass/acrylic structures
- Available separately, the MR16 heart can also be utilised in standard MR16 fixtures. Large quantities of ChromaMR16s can be driven from the ChromaZone, up to 60 on the ChromaZone12 for example
- Tricolour LED types have 100° beam with other LED types being 20°
- The ChromaTubes provide vivid bands of vertical colour that enhance night time environments



Featured products: ChromaMR16 Angle Flush

PULSAR CHROMAMR16 RANGE



CHROMASEARCH



CHROMAFLOOR



CHROMACRYSTALCOLUMN



CHROMAFROSTEDEYE



CHROMAFROSTEDTUBE



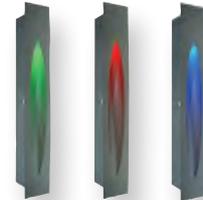
CHROMASCOOP



CHROMAMR16SCAPE
(INCLUDES 20M CABLE)



CHROMAWALLWASH

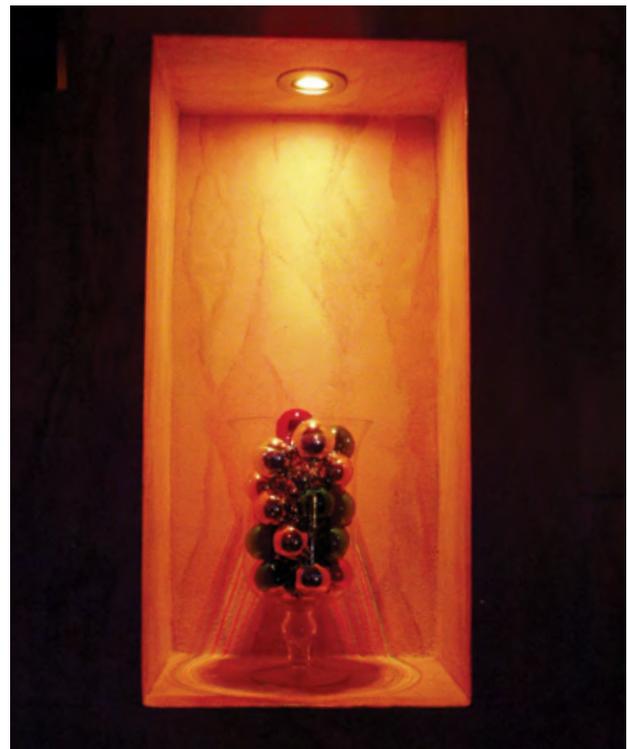


CHROMAWALLELLIPSE
(3 SHOWN)

- ChromaTube is available in 300, 600 and 900 mm lengths allowing for the creation of visually stunning three dimensional layouts. At the top of each ChromaTube is our MR16 Heart that creates colour controllable light
- The ChromaMR16 series of fixtures are designed to complement a wide range of architectural styles, providing the creative designer with a fixture to suit every design. ChromaMR16 fixtures are a compact and extremely cost effective lighting solution for bars, restaurants and hotels
- The Pulsar ChromaMR16 fixtures provide the designer with a high quality, colour controllable lighting solution for professional environments



Featured products: ChromaMR16 Angle Flush



PULSAR CHROMAHEARTS & LIGHT ENGINES



CHROMAAR111 HEART



CHROMAMR16 HEART



CHROMALIGHTENGINE X1



CHROMALINKCOMPLETE



CHROMALINKCIRCUITBOARD



CHROMALIGHTENGINE X0

ChromaLink Flexible OEM Solutions

- ChromaLink is the perfect solution for linear OEM applications. ChromaLink utilises TriColour LED Technology to eliminate multi-coloured shadows, while being colour calibrated and flicker-free
- Each ChromaLink features 6 TriColour devices, each containing 3 LEDs (Red+Green+Blue)
- ChromaLink is easily linked from end to end using its high quality Cage Clamp connectors for reliability and ChromaFlexLite cable. Up to 10 ChromaLinks may be linked to one ChromaZone (17W) output or up to 30 to a ChromaZoneX3 (50W) output

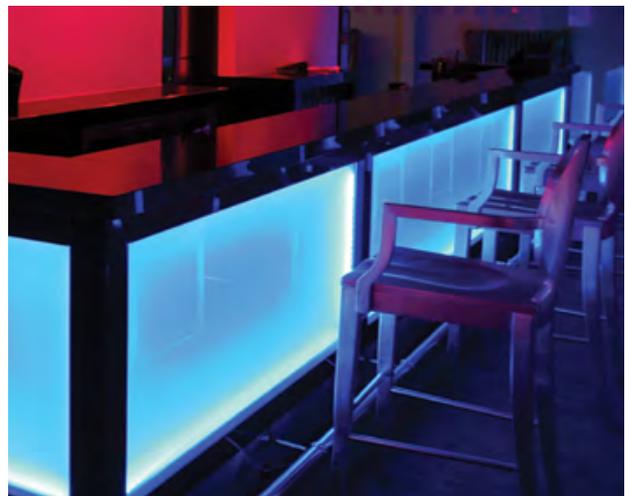
For item codes, options, weights and dimensions see page 58-60
For full technical specification and options see datasheets and manuals

ChromaHeart Flexible OEM Solutions

- ChromaHearts and ChromaLightEngines allow Pulsar LED technologies to be integrated into bespoke and OEM applications and are available in many different sizes and options
- ChromaHeart MR16s are extremely compact and can easily be integrated into third party MR16 sized fixtures
- ChromaHeart AR111 utilises the latest LED technology to convert third party AR111/PAR36 fixtures to LED technology. Five Beam angles are available
- Omnidirectional CSPHX0E, CSCSX1E and CSX3E ChromaLightEngines as used in our ChromaSpheres and provide 360 degree light output



Featured products: ChromaLightEngine X1

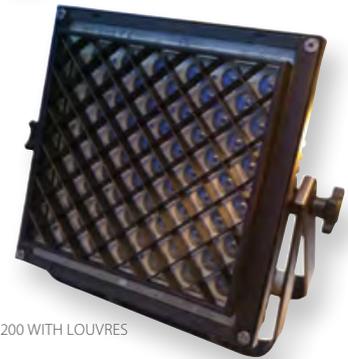


Featured products: ChromaHeart MR16 and ChromaStrip 25

PULSAR CHROMACUSTOM FIXTURES



CHROMA AR111 PAR BAR 6



CHROMAFLOOD 200 WITH LOUVRES



CUSTOM LANTERNS
WITH LIGHT ENGINES

ChromaRange Custom Designs

- Pulsar's complete in-house design and manufacturing capability allows us to fabricate your custom requirements quickly and efficiently with minimal cost overhead to you
- Many of our current standard ranges are born from custom requests that are then developed into a new range of fixtures for global application
- All products backed by Pulsar's 3 Year Product Guarantee
- From custom LED population, bespoke paint finishes through to a completely new fixture, let us know your requirements, we are always glad to help

For item codes, options, weights and dimensions see page 58-60
For full technical specification and options see datasheets and manuals



Featured products: ChromaStrip & ChromaMR16



Featured products: ChromaLightEngine X1

PULSAR CHROMAACCESSORIES



CHROMARANGE CONNECTOR
INLINE FEMALE
CODE: 4447



CHROMARANGE CONNECTOR
INLINE MALE
CODE: 4448



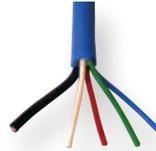
CHROMARANGE CONNECTOR
SHROUD SET
CODE: 4456



CHROMAFLEX CABLE DIA 7MM
PER METRE
CODE: 8075G



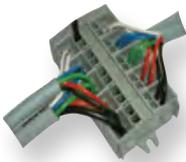
CHROMAFLEXLITE CABLE DIA 6MM
PER METRE
CODE: 8077G



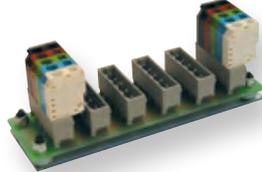
CHROMAFLEX SUB CABLE DIA 7MM
PER METRE
CODE: 8075GSUB



CHROMAFLEX SUB LITE CABLE DIA 6MM
PER METRE
CODE: 8077GSUB



CHROMASPLITTER
3 WAY
CODE: CS3



CHROMASPLITTER
5 WAY
CODE: CS5



CONNECTOR SET
6 POLE IP68 WATERPROOF
CODE: 4457



CONNECTOR 5 WAY TEE TUBE
IP68 WATERPROOF
CODE: 4469



DATASPLITTER
8 WAY DMX SPLITTER/BUFFER
CODE: DS5



CFLD200
LENS PLATE
CODE:
CFLD200-BLP

CFLD100
LENS PLATE
CODE:
CFLD100-BLP

CFLD100R
LENS PLATE
CODE:
CFLD100R-BLP

CFLD50
LENS PLATE
CODE:
CFLD50-BLP

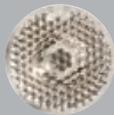
SMALL LENSES

10°



CODE: 2998

25°



CODE: 2999

45°



CODE: 2954

10x50°



CODE: 2961

BATTEN 300/200
POWERLINE
CHROMALINE
CHROMASTRIP X3
POWERPIX 200

BEAM/FLOOD 100
SPECIAL LARGE LENS
CODE: 2955

FLOOD SERIES, AR111 SERIES, INGROUND 50

BEAM LENS



LARGE LENSES

8°



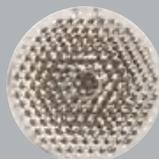
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25°



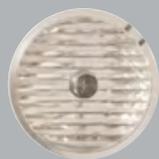
CODE: 2956

45°



CODE: 2958

10x30°



CODE: 2947

12x25°



CODE: 2959

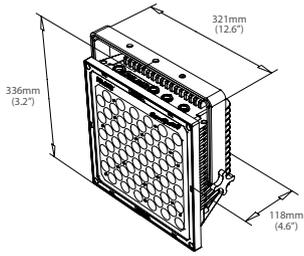
10x90°



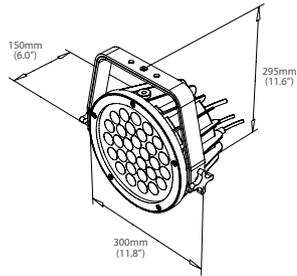
CODE: 2960

PULSAR CHROMADRAWINGS

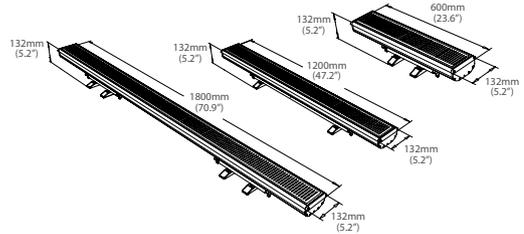
CHROMAFLOOD 200



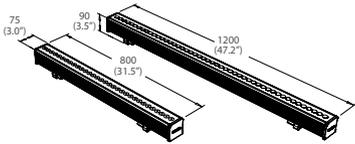
CHROMAFLOOD 100



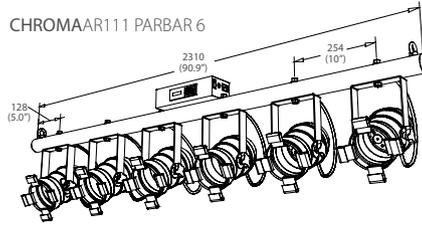
CHROMABATTEN 300/200/100 / BANKIP 300/200/100



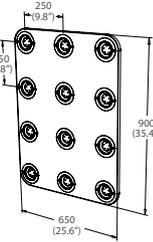
CHROMAPOWERLINE



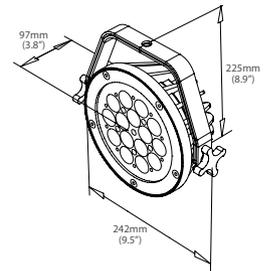
CHROMAARI 11 PARBAR 6



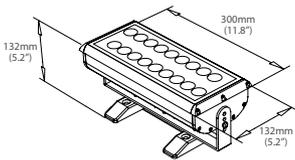
CHROMAPOWERPIX 200



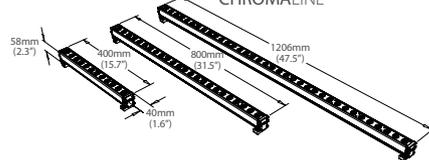
CHROMAFLOOD 50



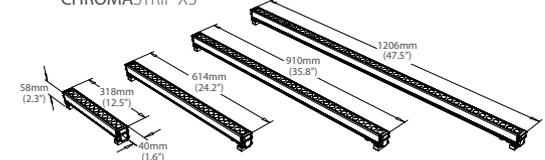
CHROMABATTEN 50



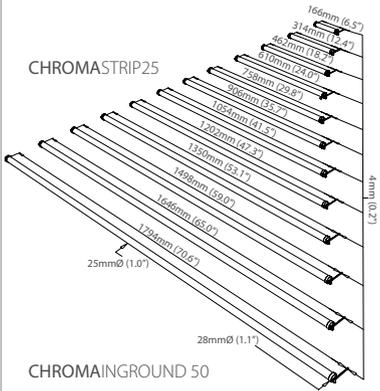
CHROMALINE



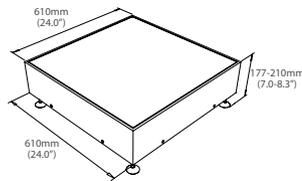
CHROMASTRIP X3



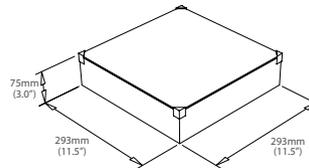
CHROMASTRIP25



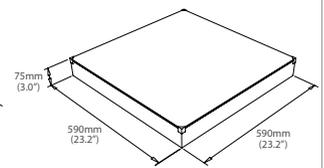
CHROMADECK



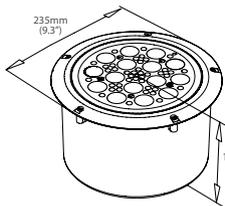
CHROMAPANEL 300



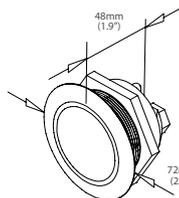
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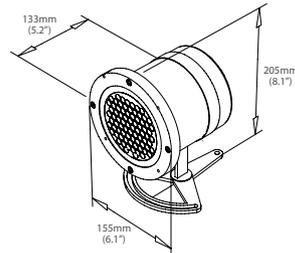
CHROMAINGROUND 50



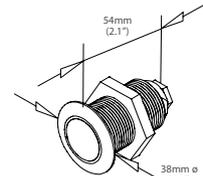
CHROMAINGROUND MR16



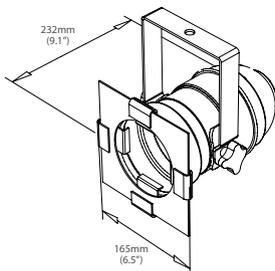
CHROMASCAPE



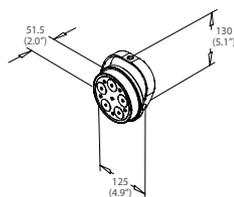
CHROMAPOINT



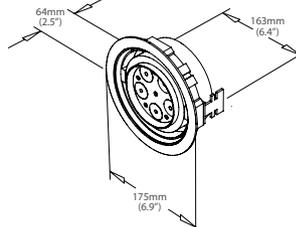
CHROMAARI111 PARCAN



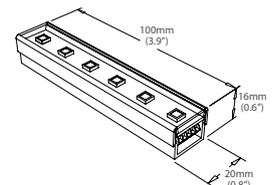
CHROMAARI111



CHROMAARI111 ANGLE FLUSH



CHROMALINK



PULSAR CHROMACODES & DATA

For full item codes substitute **BOLD** characters with appropriate value: **T**, LED Type; **F**, Paint Finish/Colour; **B**, Beam Angle; **L**, Length

ChromaRange Product	Item Code	Power (Watts)	LED Type (T)	Beam Angles (B°)	Body Finish (F)	Unit Dimensions	Unit Weight	Pack Dimensions	Pack Weight
Flood 400 Page 20	CFLD400 T-FB CFLDMSA400 T-FB	400 W	TC, RGB, VW, TCWV, SC, UV	8°, 25°, 45°, 90° 12x25°, 10x30°, 10x90°	Black, Silver, White	370(w) x 705(h) x 200mm(d) (12.6 x 13.2 x 4.6")	16.1 kg (35.5 lbs)	785 x 500 x 295mm (30.9 x 19.7 x 11.6")	19.0 kg (42 lbs)
Flood 200 Page 21	CFLD200 T-FB CFLDSL200 T-FB	200 W	TC, RGB, VW, TCWV, SC, UV	8°, 25°, 45°, 90° 12x25°, 10x30°, 10x90°	Black, Silver, White	321(w) x 336(h) x 118mm(d) (12.6 x 13.2 x 4.6")	7.8 kg (17.1 lbs)	410 x 410 x 280mm (16.1 x 16.1 x 11")	9.1 kg (20 lbs)
Flood 100 Page 22	CFLD100 T-FB CFLDMSA100 T-FB	100 W	TC, RGB, VW, TCWV, SC, UV	8°, 25°, 45°, 90° 12x25°, 10x30°, 10x90°	Black, Silver, White	321(w) x 336(h) x 118mm(d) (12.6 x 13.2 x 4.6")	7.8 kg (17.1 lbs)	410 x 410 x 280mm (16.1 x 16.1 x 11")	9.1 kg (20 lbs)
Beam 100 Page 22	CFLD100 T-F5 CFLDMSA100 T-F5	100 W	TC, RGB, VW, TCWV, SC, UV	5°	Black, Silver, White	321(w) x 336(h) x 118mm(d) (12.6 x 13.2 x 4.6")	7.8 kg (17.1 lbs)	410 x 410 x 280mm (16.1 x 16.1 x 11")	9.1 kg (20 lbs)
Flood 100 Round Page 23	CFLD100 RT-FB CFLDMSA100 RT-FB	100 W	TC, RGB, VW, TCWV, SC, UV	8°, 25°, 45°, 90° 12x25°, 10x30°, 10x90°	Black, Silver, White	300(w) x 295(h) x 150mm(d) (11.8 x 11.6 x 5.9")	5.5 kg (12.1 lbs)	290 x 290 x 260mm (11.4 x 11.4 x 10.2")	6.3 kg (13.9 lbs)
Batten 300 Page 24	CBAT300 F-BT CBAT300MSA F-BT	300 W	TC, RGB, VW, TCWV, SC, UV	10°, 25°, 45°, 10x50°, 90°	Black, Silver, White	1800(w) x 132(h) x 132mm(d) (70.9 x 5.2 x 5.2")	16.0 kg (35.2 lbs)	1890 x 270 x 270mm (74.4 x 10.6 x 10.6")	19.3 kg (42.5 lbs)
Batten 200 Page 24	CBAT200 F-BT CBAT200MSA F-BT	200 W	TC, RGB, VW, TCWV, SC, UV	10°, 25°, 45°, 10x50°, 90°	Black, Silver, White	1200(w) x 132(h) x 132mm(d) (47.2 x 5.2 x 5.2")	11.0 kg (24.3 lbs)	1300 x 240 x 260mm (51.2 x 9.4 x 10.2")	12.7 kg (27.9 lbs)
Batten 100 Page 24	CBAT100 F-BT CBAT100MSA F-BT	100 W	TC, RGB, VW, TCWV, SC, UV	10°, 25°, 45°, 10x50°, 90°	Black, Silver, White	600(w) x 132(h) x 132mm(d) (23.6 x 5.2 x 5.2")	6.4 kg (14.1 lbs)	620 x 135 x 140mm (24.4 x 9.8 x 9.4")	7.3 kg (16.0 lbs)
Bank IP 300 Page 24	CBANKIP300 F	200 W	RGB	20°	Black, Silver	1800(L) x 132(H) x 132mm(D) (70.9 x 5.2 x 5.2")	16.0 kg (35.2 lbs)	1890 x 250 x 240mm (74.4 x 9.8 x 9.4")	20.1 kg (44.2 lbs)
Bank IP 200 Page 25	CBANKIP200 F	100 W	RGB	20°	Black, Silver	1200(L) x 132(H) x 132mm(D) (47.2 x 5.2 x 5.2")	10.5 kg (23.1 lbs)	1290 x 250 x 240mm (50.8 x 9.8 x 9.4")	13.2 kg (29.0 lbs)
Bank IP 100 Page 25	CBANKIP100 F	100 W	RGB	20°	Black, Silver	600(L) x 132(H) x 132mm(D) (23.6 x 5.2 x 5.2")	6.4 kg (14.1 lbs)	700 x 240 x 260mm (27.6 x 9.4 x 10.2")	7.5 kg (16.5 lbs)
PowerLine 100 Page 26	CPL-100 F-BT	100 W	TC, RGB, VW, SC, SA, UV	10°, 25°, 45°, 10x50°, 90°	Black, Silver, White	1200(w) x 90(h) x 75mm(d) (47.2 x 3.5 x 3.0")	10.0 kg (22.0 lbs)	1300 x 125 x 125mm (51.2 x 4.9 x 4.9")	12.0 kg (26.5 lbs)
PowerLine 66 Page 26	CPL-66 F-BT	66 W	TC, RGB, VW, SC, SA, UV	10°, 25°, 45°, 10x50°, 90°	Black, Silver, White	800(w) x 90(h) x 75mm(d) (31.5 x 3.5 x 3.0")	7.0 kg (15.4 lbs)	900 x 125 x 125mm (35.4 x 4.9 x 4.9")	9.0 kg (19.8 lbs)
PowerLine 50 Page 27	CPL-50 F-BT	50 W	TC, RGB, VW, SC, SA, UV	10°, 25°, 45°, 10x50°, 90°	Black, Silver, White	1200(w) x 90(h) x 75mm(d) (47.2 x 3.5 x 3.0")	10.0 kg (22.0 lbs)	1300 x 125 x 125mm (51.2 x 4.9 x 4.9")	12.0 kg (26.5 lbs)
PowerLine 33 Page 27	CPL-33 F-BT	33 W	TC, RGB, VW, SC, SA, UV	10°, 25°, 45°, 10x50°, 90°	Black, Silver, White	800(w) x 90(h) x 75mm(d) (31.5 x 3.5 x 3.0")	7.0 kg (15.4 lbs)	900 x 125 x 125mm (35.4 x 4.9 x 4.9")	9.0 kg (19.8 lbs)
PowerPix 200 Page 28-29	CPP200	200 W	TC	100° std, 10°, 25°, 45°, 10x50°, 90°, 180° option	Black	900(h) x 650(w) x 62mm(d) (35.4 x 25.6 x 2.4") + Rear PSU 19mm(d) (0.7")	13.0 kg (28.7 lbs)	915 x 700 x 95mm (36.0 x 27.6 x 3.7")	15.0 kg (33.1 lbs)
Zone 12-200W Page 32-33	CZ12-200	200 W	-	-	Black	200(w) x 372(h) x 70mm(d) (7.9 x 14.6 x 2.8")	2.4 kg (5.3 lbs)	400 x 270 x 125mm (15.7 x 10.6 x 4.9")	2.6 kg (5.7 lbs)
Zone 12-200 IP Page 32-33	CZ12-200IP	200 W	-	-	Grey	265(w) x 185(h) x 100mm(d) (10.4 x 7.3 x 3.9")	2.4 kg (5.3 lbs)	300 x 220 x 120mm (11.8 x 8.7 x 4.7")	2.6 kg (5.7 lbs)
Zone 6-100W Page 32-33	CZ6-100C	100 W	-	-	Black	230(w) x 90(h) x 80mm(d) (9.1 x 3.5 x 3.1")	1.0 kg (2.2 lbs)	250 x 100 x 100mm (9.8 x 3.9 x 3.9")	1.5 kg (3.3 lbs)
Zone 12-NP Page 32-33	24500NP	200 W *	-	-	Black	285(w) x 100(h) x 68mm(d) (11.2 x 3.9 x 2.7")	1.9 kg (4.2 lbs)	400 x 112 x 79mm (15.7 x 4.4 x 3.1")	1.9 kg (4.2 lbs)
PSU2-35W Page 32-33	CPSU2	35 W	-	-	Black	200(w) x 372(h) x 70mm(d) (7.9 x 14.6 x 2.8")	2.0 kg (4.4 lbs)	320 x 240 x 120mm (12.6 x 9.4 x 4.7")	2.3 kg (5.1 lbs)
Zone 12-200W RM Page 32-33	24500RM	200 W	-	-	Black	482.6(w) x 88(h) x 240mm(d) (19 x 3.5 (2U) x 9.4")	3.3 kg (7.3 lbs)	540 x 280 x 150mm (21.2 x 11.0 x 5.9")	4.4 kg (9.7 lbs)
Zone12-600W RM Page 32-33	24500RMX3	600 W	-	-	Black	482.6(w) x 88(h) x 240mm(d) (19 x 3.5 (2U) x 9.4")	4.6 kg (10.1 lbs)	540 x 280 x 150mm (21.2 x 11.0 x 5.9")	5.7 kg (12.5 lbs)
Zone 12-600W XLR6 Page 32-33	CZ12-600RMXLR6	600 W	-	-	Black	482.6(w) x 88(h) x 240mm(d) (19 x 3.5 (2U) x 9.4")	4.6 kg (10.1 lbs)	540 x 280 x 150mm (21.2 x 11.0 x 5.9")	5.7 kg (12.5 lbs)
Zone 6-300W RM Page 32-33	24550RMX3	300 W	-	-	Black	482.6(w) x 88(h) x 240mm(d) (19 x 3.5 (2U) x 9.4")	3.4 kg (7.5 lbs)	540 x 280 x 150mm (21.2 x 11.0 x 5.9")	4.5Kg (9.9 lbs)
Flood 50 Page 34	CFLD50 T-FB CFLD50MSA T-FB	50 W	TC, RGB, VW, SC, SA, UV	8°, 25°, 45°, 90° 12x25°, 10x30°, 10x90°	Black, Silver, White	242(w) x 225(h) x 97mm(d) (9.5 x 8.9 x 3.8")	2.2 kg (4.8 lbs)	235 x 200 x 195mm (9.3 x 7.9 x 7.7")	2.8 kg (6.2 lbs)
Batten 50 Page 35	CBAT50 T-FB	50 W	TC, RGB, VW, SC, SA, UV	8°, 25°, 45°, 90° 12x25°, 10x30°, 10x90°	Black, Silver, White	300(w) x 132(h) x 132mm(d) (11.8 x 5.2 x 5.2")	2.7 kg (5.9 lbs)	350 x 220 x 170mm (13.8 x 8.7 x 6.7")	2.8 kg (6.2 lbs)
AR111 Page 36-37	CAR111 F-BT	17 W	TC, HPSC, UV	8°, 25°, 45°, 90° 12x25°, 10x30°, 10x90°	Black, Silver, White	111(piA) x 52mm (4.4 x 2.0")	0.8 kg (1.8 lbs)	170 x 160 x 140mm (6.7 x 6.3 x 5.5")	1.2 kg (2.6 lbs)

PULSAR CHROMACODES & DATA

For full item codes substitute **BOLD** characters with appropriate value: **T**, LED Type; **F**, Paint Finish/Colour; **B**, Beam Angle; **L**, Length

ChromaRange Product	Item Code	Power (Watts)	LED Type (T)	Beam Angles (B°)	Body Finish (F)	Unit Dimensions	Unit Weight	Pack Dimensions	Pack Weight
AR111 Angle Flush Page 36-37	CAR111AF- F B	17 W	TC, SC, UV	8°, 25°, 45°, 90° 12x25°, 10x30°, 10x90°	Silver, White	175(dia) x 64mm (6.9 x 2.5") cutout/ 163mm (6.4")	1.2 kg (2.3 lbs)	245 x 230 x 165mm (9.6 x 9.1 x 6.5")	1.3 kg (2.9 lbs)
AR111 Flush Page 36-37	CAR111F- F B	17 W	TC, SC, UV	8°, 25°, 45°, 90° 12x25°, 10x30°, 10x90°	Black, Silver, White	175(dia) x 64mm (6.9 x 2.5") cutout/ 163mm (6.4")	1.2 kg (2.3 lbs)	245 x 230 x 165mm (9.6 x 9.1 x 6.5")	1.3 kg (2.9 lbs)
AR111 ParCan Page 36-37	CAR111CAN- F B	17 W	TC, SC, UV	8°	Black, Silver	165(w) x 232(d) x 239(h)mm (6.5 x 9.1 x 9.4")	1.2 kg (2.3 lbs)	280 x 180 x 160mm (11.0 x 7.1 x 6.3")	1.4 kg (3.1 lbs)
Line 1200 Page 38	CL-1200- F B	50 W	TC, VW, SC, UV	10°, 25°, 45°, 90° 10x50°, 90°	Black, Silver, White	1200(w) x 40(w) x 58mm(d) (47.2 x 1.6 x 2.3")	2.5 kg (5.5 lbs)	1270x80x80mm (50.0 x 3.1 x 3.1")	3.1 kg (6.8 lbs)
Line 800 Page 38	CL-800- F B	30 W	TC, VW, SC, UV	10°, 25°, 45°, 90° 10x50°, 90°	Black, Silver, White	800(w) x 40(w) x 58mm(d) (31.5 x 1.6 x 2.3")	1.8 kg (4.0 lbs)	950x80x80mm (37.4 x 3.1 x 3.1")	2.2 kg (4.9 lbs)
Line 400 Page 38	CL-400- F B	17 W	TC, VW, SC, UV	10°, 25°, 45°, 90° 10x50°, 90°	Black, Silver, White	400(w) x 40(w) x 58mm(d) (15.7 x 1.6 x 2.3")	1.3 kg (2.9 lbs)	950x80x80mm (37.4 x 3.1 x 3.1")	1.6 kg (3.5 lbs)
Strip X3 Page 39	CSX3- L - T B,	40 W/m	TC, RGB, VW, SC, UV	10°, 25°, 45°, 90° 10x50°, 90°	Black, Silver, White	58mm(d)(2.3") 40mm (w)(1.6") Lengths: (L)mm 1200/ 1206mm (47.5") 900/ 910mm (35.8") 600/ 614mm (24.2") 300/ 318mm (12.5")	1200/ 2.5 kg (5.5 lbs) 900/ 2.0 kg (4.4 lbs) 600/ 1.5 kg (3.3 lbs) 300/ 1.0 kg (2.2 lbs)	1200/ 1270x80x80mm (50.0 x 3.1 x 3.1") 900/ 950x80x80mm (37.4 x 3.1 x 3.1") 600/ 950x80x80mm (37.4 x 3.1 x 3.1") 300/ 400x110x80mm (15.7 x 4.3 x 3.1")	1200/ 3.1 kg (6.8 lbs) 900/ 2.4 kg (5.3 lbs) 600/ 1.9 kg (4.2 lbs) 300/ 1.1 kg (2.4 lbs)
Strip X1 Page 40	CSX1 F - L T CSX1 F -1200 T 4 CSX1 F -1200 T 4O	14 W/m	TC, SC, SA	100°	Black, Silver, White	58mm(d)(2.3") 40mm (w)(1.6") Lengths: (L)mm 1200/ 1206mm (47.5") 900/ 910mm (35.8") 600/ 614mm (24.2") 300/ 318mm (12.5")	1200 / 2.5 kg (5.5 lbs) 900 / 2.0 kg (4.4 lbs) 600 / 1.5 kg (3.3 lbs) 300 / 1.0 kg (2.2 lbs)	1200/ 1270x80x80mm (50.0 x 3.1 x 3.1") 900/ 950x80x80mm (37.4 x 3.1 x 3.1") 600/ 950x80x80mm (37.4 x 3.1 x 3.1") 300/ 400x110x80mm (15.7 x 4.3 x 3.1")	1200/ 3.1 kg (6.8 lbs) 900/ 2.4 kg (5.3 lbs) 600/ 1.9 kg (4.2 lbs) 300/ 1.1 kg (2.4 lbs)
PixelStrip 25 Page 41	CPS25- L T B	14 W/m	TC, SC	20°, 100°, Ribbed	Clear	Diameter 25mm (1.0") Lengths: (L) 1800/ 1798mm (70.3") 1650/ 1650mm (64.5") 1500/ 1502mm (58.7") 1350/ 1354mm (52.8") 1200/ 1206mm (47.0") 1050/ 1058mm (41.2") 900/ 910mm (35.4") 750/ 762mm (29.5") 600/ 614mm (23.7") 450/ 466mm (21.5") 300/ 318mm (12.0") 150/ 170mm (6.2")	1800/ 0.7 kg (1.5 lbs) 1650/ 0.7 kg (1.5 lbs) 1500/ 0.6 kg (1.3 lbs) 1350/ 0.6 kg (1.3 lbs) 1200/ 0.5 kg (1.1 lbs) 1050/ 0.5 kg (1.1 lbs) 900/ 0.5 kg (1.1 lbs) 750/ 0.4 kg (0.9 lbs) 600/ 0.4 kg (0.9 lbs) 450/ 0.4 kg (0.9 lbs) 300/ 0.3 kg (0.7 lbs) 150/ 0.2 kg (0.4 lbs)	1800/1650/1500/1350/ 1865x65x60mm (73.4x2.6x2.4") 1200/1050/ 1265x65x60mm (49.8 x 2.6 x 2.4") 900/750/ 965x65x60mm (40.0 x 2.6 x 2.4") 600/450/ 665x65x60mm (26.2 x 2.6 x 2.4") 300/150/ 365x65x60mm (14.4 x 2.6 x 2.4")	1800/ 0.9 kg (2.0 lbs) 1650/ 0.9 kg (2.0 lbs) 1500/ 0.9 kg (2.0 lbs) 1350/ 0.8 kg (1.8 lbs) 1200/ 0.7 kg (1.5 lbs) 1050/ 0.7 kg (1.5 lbs) 900/ 0.7 kg (1.5 lbs) 750/ 0.6 kg (1.3 lbs) 600/ 0.5 kg (1.1 lbs) 450/ 0.5 kg (1.1 lbs) 300/ 0.4 kg (0.9 lbs) 150/ 0.2 kg (0.4 lbs)
Strip 25 Page 42	CS25- L T B	14 W/m	TC, SC	20°, 100°, Ribbed	Clear	Diameter 25mm (1.0") Lengths: (L) 1800/ 1798mm (70.3") 1650/ 1650mm (64.5") 1500/ 1502mm (58.7") 1350/ 1354mm (52.8") 1200/ 1206mm (47.0") 1050/ 1058mm (41.2") 900/ 910mm (35.4") 750/ 762mm (29.5") 600/ 614mm (23.7") 450/ 466mm (21.5") 300/ 318mm (12.0") 150/ 170mm (6.2")	1800/ 0.7 kg (1.5 lbs) 1650/ 0.7 kg (1.5 lbs) 1500/ 0.6 kg (1.3 lbs) 1350/ 0.6 kg (1.3 lbs) 1200/ 0.5 kg (1.1 lbs) 1050/ 0.5 kg (1.1 lbs) 900/ 0.5 kg (1.1 lbs) 750/ 0.4 kg (0.9 lbs) 600/ 0.4 kg (0.9 lbs) 450/ 0.4 kg (0.9 lbs) 300/ 0.3 kg (0.7 lbs) 150/ 0.2 kg (0.4 lbs)	1800/1650/1500/1350/ 1865x65x60mm (73.4x2.6x2.4") 1200/1050/ 1265x65x60mm (49.8 x 2.6 x 2.4") 900/750/ 965x65x60mm (40.0 x 2.6 x 2.4") 600/450/ 665x65x60mm (26.2 x 2.6 x 2.4") 300/150/ 365x65x60mm (14.4 x 2.6 x 2.4")	1800/ 0.9 kg (2.0 lbs) 1650/ 0.9 kg (2.0 lbs) 1500/ 0.9 kg (2.0 lbs) 1350/ 0.8 kg (1.8 lbs) 1200/ 0.7 kg (1.5 lbs) 1050/ 0.7 kg (1.5 lbs) 900/ 0.7 kg (1.5 lbs) 750/ 0.6 kg (1.3 lbs) 600/ 0.5 kg (1.1 lbs) 450/ 0.5 kg (1.1 lbs) 300/ 0.4 kg (0.9 lbs) 150/ 0.2 kg (0.4 lbs)
Strip 24V Page 43	CS24V- L B	14 W/m	SC	20°, 100°, Ribbed	Clear	Diameter 25mm (1.0") Lengths: (L) 1800/ 1798mm (70.3") 1650/ 1650mm (64.5") 1500/ 1502mm (58.7") 1350/ 1354mm (52.8") 1200/ 1206mm (47.0") 1050/ 1058mm (41.2") 900/ 910mm (35.4") 750/ 762mm (29.5") 600/ 614mm (23.7") 450/ 466mm (21.5") 300/ 318mm (12.0") 150/ 170mm (6.2")	1800/ 0.7 kg (1.5 lbs) 1650/ 0.7 kg (1.5 lbs) 1500/ 0.6 kg (1.3 lbs) 1350/ 0.6 kg (1.3 lbs) 1200/ 0.5 kg (1.1 lbs) 1050/ 0.5 kg (1.1 lbs) 900/ 0.5 kg (1.1 lbs) 750/ 0.4 kg (0.9 lbs) 600/ 0.4 kg (0.9 lbs) 450/ 0.4 kg (0.9 lbs) 300/ 0.3 kg (0.7 lbs) 150/ 0.2 kg (0.4 lbs)	1800/1650/1500/1350/ 1865x65x60mm (73.4x2.6x2.4") 1200/1050/ 1265x65x60mm (49.8 x 2.6 x 2.4") 900/750/ 965x65x60mm (40.0 x 2.6 x 2.4") 600/450/ 665x65x60mm (26.2 x 2.6 x 2.4") 300/150/ 365x65x60mm (14.4 x 2.6 x 2.4")	1800/ 0.9 kg (2.0 lbs) 1650/ 0.9 kg (2.0 lbs) 1500/ 0.9 kg (2.0 lbs) 1350/ 0.8 kg (1.8 lbs) 1200/ 0.7 kg (1.5 lbs) 1050/ 0.7 kg (1.5 lbs) 900/ 0.7 kg (1.5 lbs) 750/ 0.6 kg (1.3 lbs) 600/ 0.5 kg (1.1 lbs) 450/ 0.5 kg (1.1 lbs) 300/ 0.4 kg (0.9 lbs) 150/ 0.2 kg (0.4 lbs)
Cube Page 44	CCUBE2-300 T	17 W	TC, SC, SA	360°	Opal	300(w) x 325(h) x 300mm(d) (11.8 x 12.8 x 11.8")	2.5 kg (5.5 lbs)	310 x 310 x 335mm (12.2 x 12.2 x 13.2")	2.9 kg (6.4 lbs)

options, weights and dimensions see page 58-60
specification and options see datasheets and manuals

PULSAR CHROMACODES & DATA

For full item codes substitute **BOLD** characters with appropriate value: **T**, LED Type; **F**, Paint Finish/Colour; **B**, Beam Angle; **L**, Length

ChromaRange Product	Item Code	Power (Watts)	LED Type (T)	Beam Angles (B°)	Body Finish (F)	Unit Dimensions	Unit Weight	Pack Dimensions	Pack Weight
Sphere Page 44	CSPHEREX3-650 T CSPHEREX3-500 T CSPHERE2-400 T CSPHERE2-300 T CSPHERE2-250 T CSPHERE200 T CSPHERE150 T	50. W 50 W 17 W 17W 17 W 3.5 W 3.5 W	TC, SC, SA	360°	Opal	650/ 650mm(dia) (25.6") 500/ 500mm(dia) (19.7") 400/ 400mm(dia) (15.7") 300/ 300mm(dia) (11.8") 250/ 250mm(dia) (9.8") 200/ 200mm(dia) (7.9") 150/ 150mm(dia) (5.9")	650/ 5.3 kg (13.3 lbs) 500/ 3.0 kg (6.6 lbs) 400/ 1.9 kg (4.2 lbs) 300/ 1.3 kg (2.9 lbs) 250/ 1.1 kg (2.4 lbs) 200/ 0.9 kg (2.0 lbs) 150/ 0.5 kg (1.1 lbs)	650/ 700x710x730mm (27.3 x 28.0 x 28.7") 500/ 510x515x515mm (20.1 x 20.3 x 20.3") 400/ 410x410x410mm (16.1 x 16.1 x 16.1") 300/310x310x310mm (12.2 x 12.2 x 12.2") 250/ 310x310x310mm (12.2 x 12.2 x 12.2") 200/ 310x310x310mm (12.2 x 12.2 x 12.2") 150/ 160x160x160mm (6.3 x 6.3 x 6.3")	650 / 9.4 kg (20.7 lbs) 500 / 4.2 kg (9.2 lbs) 400 / 2.6 kg (5.7 lbs) 300 / 1.7 kg (3.7 lbs) 250 / 1.5 kg (3.3 lbs) 200 / 1.4 kg (3.1 lbs) 150 / 0.6 kg (1.3 lbs)
Panel 600 Page 45	CP600 T	17 W	TC, SC, SA	180°	Opal / White	590(w) x 590(h) x 75mm(d) (23.2 x 23.2 x 3.0")	5.2 kg (11.4 lbs)	620 x 135 x 140mm (24.4 x 9.8 x 9.4")	7.3 kg (16.0 lbs)
Panel 300 Page 45	CP300 T	4.5 W	TC, SC, SA	180°	Opal / White	293(w) x 293(h) x 75mm(d) (11.5 x 11.5 x 3.0")	1.7 kg (3.7 lbs)	310 x 310 x 110mm (12.2 x 12.2 x 4.3")	1.9 kg (4.2 lbs)
Deck Page 45	CDECK T	17 W	TC, SC, SA	180°	Opal / Silver	610(w) x 610(h) x 177-210mm (d) (24.0 x 24.0 x 7.0-8.3")	19.5 kg (42.9 lbs)	640 x 640 x 170mm (25.2 x 25.2 x 6.7")	22 kg (48.4 lbs)
InGround 50 Page 46	CIG50- FBT CIG50MSA- FBT	50 W	TC, RGB, WW, SC, UV	8°, 25°, 45°, 90° 12x25°, 10x30°, 10x90°	Stainless steel (316)	235(DIA) x 136mm(D) (9.3 x 5.4")	2.5 kg (5.5 lbs)	235 x 235 x 135mm (9.3 x 9.3 x 5.3")	2.6 kg (5.7 lbs)
AR111 Scape SQ Page 47	CSCAPEAR111SQ T	17 W	TC, SC, UV	8°, 25°, 45°, 90° 12x25°, 10x30°, 10x90°	Brushed stainless steel (316)	155mm(DIA) x 130mm(D) (6.1 x 5.3")	1.65 kg (3.6 lbs)	240 x 240 x 200mm (9.4 x 9.4 x 7.9")	3.2 kg (7.0 lbs)
AR111 Scape BV Page 47	CSCAPEAR111BV T	17 W	TC, SC, UV	8°, 25°, 45°, 90° 12x25°, 10x30°, 10x90°	Brushed stainless steel (316)	155mm(DIA) x 130mm(D) (6.1 x 5.3")	1.65 kg (3.6 lbs)	240 x 240 x 200mm (9.4 x 9.4 x 7.9")	3.2 kg (7.0 lbs)
InGround MR16 Page 48	CIGMR16 FTC CIGMR16 F	3.5 W	TC, RGB, WW, SC	100° 25°	Brushed stainless steel (316)	72mm (DIA) x 48mm (D) (2.8 x 1.9")	0.6 kg (1.3 lbs)	130 x 115 x 100mm (5.1 x 4.5 x 3.9")	0.7 kg (1.6 lbs)
Point Page 49	CPOINTSS T CPOINTA T	1.4 W	TC, SC	100°	Brushed stainless steel (316)	38.0(DIA) x 65mm (D) (1.5" x 2.6")	0.3 kg (0.7 lbs)	180 x 170 x 130mm (7.1 x 6.7 x 5.1")	0.8 kg (1.8 lbs)
AeroTube AngleFlush Birdie (Silver) Birdie (Black) BottleWasher Bump CrystalBall Tube300 Tube600 Tube900 Page 50	CMR16 ATT CMR16 AFT CBIRD EST CBIRD EST CBIRD EST CBWASH T CMR16 BUMPT CMR16 CBALLT CTUBE 300T CTUBE 600T CTUBE 900T	3.5 W	TC, RGB, SC	100°, 25°	Nickel Chrome Silver Silver Black White Silver Chrome Frosted Frosted	81(DIA)x72mm(D) (3.2"x2.8") 81(DIA)x52mm(D) (3.2"x2.0") 104(DIA)x36mm(D) (4.1"x1.4") 104(DIA)x36mm(D) (4.1"x1.4") 104(DIA)x36mm(D) (4.1"x1.4") 108(DIA)x82mm(D) (4.3"x3.2") 144(DIA)x110mm(D) (5.7"x4.3") 60(DIA)x300mm(D) (2.4"x11") 60(DIA)x600mm(D) (2.4"x23.6") 60(DIA)x900mm(D) (2.4"x35.4")	0.4 kg (0.9 lbs) 0.3 kg (0.7 lbs) 0.3 kg (0.6 lbs) 0.3 kg (0.6 lbs) 0.3 kg (0.6 lbs) 0.8 kg (1.8 lbs) 0.8 kg (1.8 lbs) 0.4 kg (0.9 lbs) 0.6 kg (1.3 lbs) 0.6 kg (1.3 lbs) 0.8 kg (1.8 lbs)	130 x 110 x 100mm 130 x 110 x 100mm 180 x 160 x 50mm 180 x 160 x 50mm 180 x 160 x 50mm 170 x 160 x 140mm 400 x 110 x 80mm 950 x 80 x 80mm 950 x 80 x 80mm	0.5 kg (1.1 lbs) 0.4 kg (0.9 lbs) 0.4 kg (0.9 lbs) 0.4 kg (0.9 lbs) 0.4 kg (0.9 lbs) 0.9 kg (2.0 lbs) 0.9 kg (2.0 lbs) 0.6 kg (1.3 lbs) 0.8 kg (1.8 lbs) 1.0 kg (2.2 lbs)
CrystalColumn Floor FrostedEye FrostedTube MR16Scape Scoop Search WallEllipse WallEllipse Page 51	CMR16 CCOLT CMR16 FSST CMR16 FEYET CMR16 FTT CMR16 SCAPET CMR16 SCT CMR16 SET CMR16 WET CMR16 WWT	3.5 W	TC, RGB, SC	100°, 25°	Chrome Stainless Frosted Frosted/ Black White Silver Silver Silver	82(DIA)x75mm(D) (3.2"x3.0") 105(DIA)x138mm(D) (4.1"x5.4") 119(DIA)x92mm(D) (4.7"x3.6") 81(DIA)x63mm(D) (3.2"x2.5") 75(DIA)x85mm(D) (3.0"x3.3") 100(DIA)x105mm(D) (4.0"x4.1") 105(DIA)x120mm(D) (4.1"x4.7") 80(x540)x70mm(3.1"x21.3x2.8") 76x76x90mm(3.0"x3.0x3.5")	0.5 kg (1.1 lbs) 1.0 kg (2.2 lbs) 0.8 kg (1.8 lbs) 0.5 kg (1.1 lbs) 0.7 kg (1.5 lbs) 0.7 kg (1.4 lbs) 0.5 kg (1.1 lbs) 2.0 kg (4.4 lbs) 0.5 kg (1.1 lbs)	130 x 110 x 100mm 305 x 305 x 110mm 170 x 160 x 140mm 170 x 160 x 140mm 305 x 305 x 110mm 130 x 110 x 100mm 180 x 170 x 130mm 550 x 140 x 120mm 130 x 110 x 100mm	0.6 kg (1.3 lbs) 1.8 kg (4.0 lbs) 0.9 kg (2.0 lbs) 0.5 kg (1.1 lbs) 1.8 kg (4.0 lbs) 0.6 kg (1.3 lbs) 0.7 kg (1.5 lbs) 2.1 kg (4.6 lbs) 0.5 kg (1.1 lbs)
Heart AR111 Page 52	CAR111- FBT	17 W	TC, SC, UV	8°, 25°, 45°, 90° 12x25°, 10x30°, 10x90°	Black, Silver, White	165(w) x 232(d) x 239(h)mm (6.5 x 9.1 x 9.4")	1.2 kg (2.3 lbs)	280 x 180 x 160mm (11.0 x 7.1 x 6.3")	1.4 kg (3.1 lbs)
Heart MR16 Page 52	CHMR16 T	3.5 W	TC, RGB, SC	25°, 100°	White	49.5(DIA) x 25.5mm(D) (1.9" x 1.0")	0.2 kg (0.4 lbs)	180 x 60 x 50mm (7.1" x 6.3" x 2.0")	0.2 kg (0.44 lbs)
LightEngine X0 Page 52	CSPHX0 ET	3.5 W	TC, RGB, SC	270°	-	120(w) x 120(d) x 95(h)mm (4.7 x 4.7 x 3.7")	0.5 kg (1.1 lbs)	165 x 125 x 125mm (6.5" x 4.9" x 4.9")	0.7 kg (1.5 lbs)
LightEngine X1 Page 52	CSPHX1 ET	17 W	TC, RGB, SC, UV	270°	-	120(w) x 120(d) x 95(h)mm (4.7 x 4.7 x 3.7")	0.5 kg (1.1 lbs)	165 x 125 x 125mm (6.5" x 4.9" x 4.9")	0.7 kg (1.5 lbs)
LightEngine X3 Page 52	CSPHX3 ET	50 W	TC, RGB, SC, UV	270°	-	130(w) x 130(d) x 360(h)mm (5.1 x 5.1 x 14.2")	1.2 kg (2.6 lbs)	535 x 285 x 170mm (22.1 x 11.2 x 6.7")	2.2 kg (4.9 lbs)
Link Page 52	CLINK T	2.0 W	TC, SC	100°	-	100(w) x 20(d) x 16(h)mm (3.9 x 0.8 x 0.6")	0.03 kg (0.1 lbs)	110 x 40 x 40mm (4.3" x 1.6" x 1.6")	0.1 kg (0.2 lbs)
AR111 ParBar 6 Page 53	CAR111-PAR BAR6	100 W	TC, SC, SA	8°	Black	1530(L) x 380(H) x 170mm(D) (60.2 x 15.0 x 6.7")	11.1 kg (24.5 lbs)	1600 x 400 x 200mm (63.0 x 15.7 x 7.9")	13.0 kg (28.7 lbs)

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