

# THE DEFINITIVE GUIDE TO DESIGNING AND ««« SPECIFYING ARCHITECTURAL LED



**Welcome to ACDC's Additions Brochure; an extended definitive guide to designing and specifying architectural LED lighting.**

High power LED technology challenges conventional lighting with smaller, longer lasting and more energy efficient light sources, based on Light Emitting Diode (LED) technology.

Several of our new products within this range have again been developed in conjunction with some of the world's top and most visionary lighting designers and through careful consultation, we have been able to create a range of products that satisfy the demands of your projects both today and in the future.

In producing this guide we aim to present a new portfolio of LED products utilising the latest LED technologies for use in many varied applications. This brochure is designed to be read in conjunction with the existing ACDC portfolio aiming to provide a range of products to satisfy all solutions.

Of course our sales and technical support teams are here to help you and as always, to offer any design assistance for any project specific requirements you may have.

We hope that the information is of use and we look forward to hearing from you soon.

## **ACDC Lighting Systems**

Centre image supplied by Lighting Design International - London

# APPLICATION - RECESSED WALL/CEILING

## SPECIFICATION - ARENA



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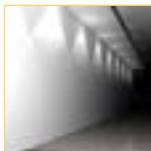


## ARENA

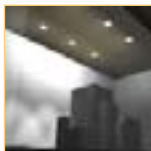
### Description

Arena has been developed from the ever popular Genius, with the LED recessed within the luminaire, minimising glare, and offering a sleek and compact downlight which is truly minimalist. The product is available with a high lumen package, offering outstanding output from a micro luminaire. Available in black, silver or white, this product is ideal for the illumination of niches, cabinets or displays, with the reduction in glare a true design success.

### LIGHTING CONFIGURATIONS



Downlight



Display

### Lighting Performance

Light Source	High Power LED
LED Qty	1

### Electrical Data

Input Current	Up to 700mA
Driver Type	Series Driver
Series Rating	1
Connection Type	Connector Block



### Luminaire Data

Weight	0.05kg
Temperature Range	-10°C to 40°C
Mounting Type	Ceiling / Wall Recessed
Finishes	AAB, AAS, White Powder Coat, RAL
IP Rating	IP20

### Design Tips

For minimal glare from the front bezel, and maximum power use the 9 degree optic.

For further LED Performance Data, see separate LED Data Sheet.

### Technical Diagram

Cut out diameter:	30mm
Minimum depth:	80mm
Maximum surface thickness (if using springs)	30mm
Installed depth:	55mm



### Part Code

#### Finish

Anodised Aluminium Silver	AAS
Anodised Aluminium Black	AAB
White	WHI
RAL Special	RAL

#### Collimator Lens

None	U
6°	6K
9°	9K
15°	15K
25°	25K

#### Luxeon Colour

Red	R
Blue	B
White	W
Warm White	WW
Amber	A
Green	G

ACDC1069/W/9K/AAS

○ INTERIOR - RECESSED SINGLE NON-ADJUSTABLE

### Additional Comments

To specify 2 watt enter a 2 after the LED colour e.g. WW2 or R2



# APPLICATION - EXTERIOR/IN-WALL

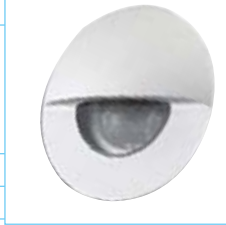
## SPECIFICATION - ECLIPSE

### Lighting Performance

Light Source	High Power LED
LED Qty	1

### Electrical Data

Input Current	Up to 700mA
Driver Type	Series Driver
Series Rating	1
Connection Type	2M Pre fit



### Luminaire Data

Weight	0.175kg
Temperature Range	-10°C to 40°C
Mounting Type	Spring Clip
Finishes	AAB, AAS
IP Rating	IP68

### Design Tips

Ideal for washing across stair details, available with eyelid to minimise glare.

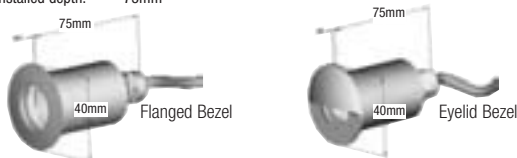
For further LED Performance Data, see separate LED Data Sheet.



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### Technical Diagram

Cut out diameter: 32mm  
Installed depth: 75mm



### Part Code

#### Finish

Anodised Aluminium Silver	AAS
Anodised Aluminium Black	AAB

#### Glass

Clear (STD Option)	DGC
Frosted	DGF

#### Bezel Option

Flanged Bezel	BMF
Eyelid Bezel	BME

#### Collimator Lens

None	U
6°	6K
9°	9K
15°	15K
25°	25K

#### Luxeon Colour

Red	R
Blue	B
White	W
Warm White	WW
Amber	A
Green	G

ACDC1055/W/9K/BMF/DGC/AAS

EXTERIOR

RECESSED WALL LIGHT IP68



## ECLIPSE

### Description

Eclipse is a micro IP68 floor, or wall recessed luminaire which is incredibly compact and neat. The specially designed eyelid has been developed to maximise the light output of the fitting, while significantly reducing the glare. A smooth eyelid design along with a flanged bezel finish are available, both of which create strong beams of light with minimal glare.

### LIGHTING CONFIGURATIONS



Pathway



Stairs

### Additional Comments

To specify 2 watt enter a 2 after the LED colour e.g. WW2 or R2



# APPLICATION - EXTERIOR/IN-WALL

## SPECIFICATION - GALAXY



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# GALAXY

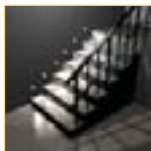
### Description

This range of compact asymmetric wall lights are cleverly machined from a solid block of aluminium, to create a sleek and minimalist luminaire. The slim recessed fitting produce a narrow beam of light, and are IP65 rated for use in interior and exterior applications, such as corridors, bathrooms, and even saunas and spas. 3 sizes of fitting are available from the incredibly compact 80mm mini version to the elongated larger version at 202mm.

### LIGHTING CONFIGURATIONS



Pathway



Stairs

### Lighting Performance

Light Source	High Power LED
LED Qty	1

### Electrical Data

Input Current	Up to 700mA
Driver Type	Series Driver
Series Rating	1
Connection Type	2M Pre fit



### Luminaire Data

Weight	0.175/0.250/0.350kg
Temperature Range	-10°C to 40°C
Mounting Type	Ceiling / Wall Recessed
Finishes	AAB, AAS, White Powder Coat, RAL
IP Rating	IP65

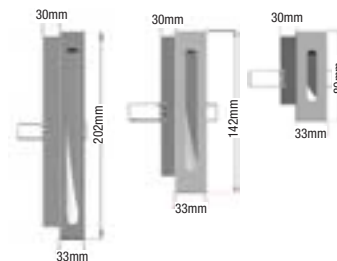
### Design Tips

Higher powered LEDs are recommended for the larger versions to give even more power.

For further LED Performance Data, see separate LED Data Sheet.

### Technical Diagram

Minimum depth:	45mm
Maximum surface thickness (if using springs):	12mm
Installed depth:	30mm
Cutouts:	62x24mm 123x24mm 187x24mm



### Part Code

#### Finish

Anodised Aluminium Silver	AAS
Anodised Aluminium Black	AAB
White	WHI
RAL Special	RAL

#### Size

Small (80mm length)	S
Medium (142mm length)	M
Large (202mm length)	L

#### Luxeon Colour

Red	R
Blue	B
White	W
Warm White	WW
Amber	A
Green	G

ACDC1060/W/M/AAS

EXTERIOR

RECESSED WALL LIGHT IP65

### Additional Comments

To specify 2 watt enter a 2 after the LED colour e.g. WW2 or R2



# APPLICATION - EXTERIOR/IN-GROUND

## SPECIFICATION - Q

### Lighting Performance

Light Source	High Power LED
LED Qty	1

### Electrical Data

Input Current	Up to 700mA
Driver Type	Series Driver
Series Rating	1
Connection Type	2M Pre fit



### Luminaire Data

Weight	0.3kg
Temperature Range	-10°C to 40°C
Mounting Type	Rebated into Surface
Finishes	AAB
IP Rating	IP68

### Design Tips

For marker lighting applications the 1 Watt LED with black glass looks amazing, but use the 2 Watt Rebel for real punch through the black glass..

For further LED Performance Data, see separate LED Data Sheet.



### Technical Diagram

Cut out diameter: 50/38mm  
Installed depth: 140mm



### Part Code

#### Finish

Anodised Aluminium Black AAB

#### Glass

Clear (Black Glass) DGC  
Frosted DGF

#### Collimator Lens

None U  
6° 6K  
9° (Standard Option) 9K  
15° 15K  
25° 25K

#### Luxeon Colour

Red R  
Blue B  
White W  
Warm White WW  
Amber A  
Green G

ACDC1076/W/9K/DGC/AAB



EXTERIOR

IN-GROUND IP68



### Description

Originally designed by Speirs and Major for the bridge crossing the lake at Kew Gardens, Q is a beautifully sleek IP65 flush inground luminaire. The fitting features a specially bonded 'black glass' which looks sleek when unlit, yet allows significant light transmission when illuminated. The LED is recessed within the fitting to minimise glare further, and is fast becoming a design classic, collecting awards the world over.

### Additional Comments

To specify 2 watt enter a 2 after the LED colour e.g. WW2 or R2

### LIGHTING CONFIGURATIONS



Façade



In ground



Garden



Pathway

# APPLICATION - EXTERIOR/LINEAR WALL WASH

## SPECIFICATION - FINO



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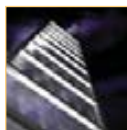


## FINO

### Description

IP68 Fino is a superbly compact linear luminaire, which has evolved from the hugely successful Lucina. Utilising the latest LED technology, the broad beam from the uncollimated LED enables a fantastically even wash of light to be created, especially for RGB colour change and single colour operation. The diameter of the fitting is the same size as a pound coin giving a truly outstanding light to size ratio! The sleek bracketry complements the Fino brilliantly, and creates a perfectly formed luminaire, ideal for use in dry and wet locations, and even underwater.

### LIGHTING CONFIGURATIONS



Façade



Underwater



Garden



Colour Change



Coffer

### Lighting Performance

Light Source	High Power LED
LED Qty	36 per 1200mm

### Electrical Data

Input Current up to	700mA Single Colour 350mA RGB
Driver Type	Series Driver
Series Rating	36 per 1200mm RGB 12 per 1200mm Single Colour
Connection Type	2M Pre fit



### Luminaire Data

Weight	0.75kg/1200mm
Temperature Range	-10°C to 40°C
Mounting Type	Surface Mount
Finishes	AAS
IP Rating	IP68

### Design Tips

Doesn't use optics so offers short distance power. For more power take a look at Lucina or Utopia.

For further LED Performance Data, see separate LED Data Sheet.

### Technical Diagram



### Part Code

**Finish**  
Anodised Aluminium Silver AAS

**Length**  
1200mm  
Available in 100mm increments

**Luxeon Colour**  
Red R  
Blue B  
White W  
Warm White (Coming soon) WW  
Amber A  
Green G  
Red, Green, Blue Colour change RGB

ACDC1090/RGB/1200/AAS

EXTERIOR

LINEAR WALL WASH IP68

### Additional Comments

To specify 2 watt enter a 2 after the LED colour e.g. WW2 or R2. Available in 2 watt as single colour only, not RGB

# APPLICATION - EXTERIOR/LINEAR WALL WASH

## SPECIFICATION - UTOPIA

### Lighting Performance

Light Source	High Power LED
LED Qty	36

### Electrical Data

Input Current	N/A
Driver Type	24V Type Plus DMX
Max Power Rating	115w
Connection Type	2M Pre fit



### Luminaire Data

Weight	5kg
Temperature Range	-10°C to 40°C
Mounting Type	Surface Mount
Finishes	AAS
IP Rating	IP66

### Design Tips

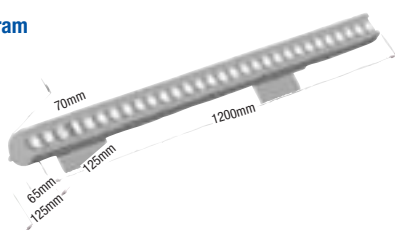
As it is only available in 1200mm lengths, Lucina or Fino may be an adequate alternative for your requirements.

For further LED Performance Data, see separate LED Data Sheet.



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### Technical Diagram



### Part Code

<b>Finish</b>	
Anodised Aluminium Silver	AAS

<b>Collimator Lens</b>	
5°	5K
10°	10K
17.5°	17.5K
Linear	Linear

<b>Luxeon Colour</b>	
Red (3W)	R3
Blue (3W)	B3
White (3W)	W3
Warm White (3W)	WW3
Amber (3W)	A3
Green (3W)	G3
Red, Green, Blue	RGB3
Colour change (3W)	RGB3

ACDC1080/RGB3/LINEAR/AAS

EXTERIOR LINEAR WALL WASH IP67

### Additional Comments

Must be powered by 24V Transformer type 1927. DMX input direct to fittings (to be provided by others)

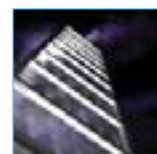


## UTOPIA

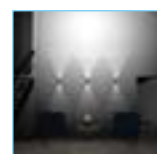
### Description

The next generation from the extremely successful Lucina is the Utopia linear LED strip with on board DMX. The fitting not only provides the added benefit of on board control, but also a huge power increase utilising 36 x 3 Watt luxeon LEDs. The fitting is designed primarily for use as an RGB luminaire, and creates fantastically even illumination of walls and façades without shadow gaps or breaks. The power of this fitting is truly breathtaking, and offers the designer flexibility and power never previously conceivable.

### LIGHTING CONFIGURATIONS



Façade



Wall Wash



Colour Change



# APPLICATION - EXTERIOR/IN-GROUND

## SPECIFICATION - VISTA



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## VISTA

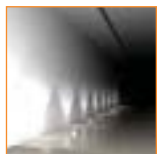
### Description

Vista is an IP67 in ground or surface mount bar which gives a totally even illumination across its surface. Designed as a linear marker light, and available as RGB colour change or single colour, Vista is ideal to create stunning areas of visual interest or for the delineation of plazas, pathways and open spaces. The fitting comes with IP67 plug and sockets, and a clever fixing and containment solution for applications either recessed or surface mount. DMX is used for dimming & colour change control, giving the designer the ultimate in control.

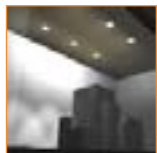
### Additional Comments

Must be powered by 24V Transformer type 1927 or 1903. DMX input direct to fittings (to be provided by others)

### LIGHTING CONFIGURATIONS



In ground



Display



Pathway



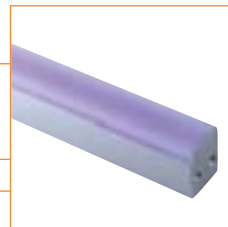
Colour Change

### Lighting Performance

Light Source High Flux  
Surface Mount

### Electrical Data

Driver Type 24V Type  
Max Power Rating 10W/mtr  
Connection Type Plug and Socket



### Luminaire Data

Weight 1.4kg/mtr  
Temperature Range -10°C to 40°C  
Mounting Type Rebated into Surface/ Surface Mount  
Finishes AAS/Polyurethane  
IP Rating IP67

### Design Tips

Can be surface mounted or flush recessed. For improved continuity, the end caps don't have to be used.

For further LED Performance Data, see separate LED Data Sheet.

### Technical Diagram



### Part Code

**Finish**  
Anodised Aluminium Silver with polyurethane diffuser AAS

**Lengths**  
Single Colour - 250mm  
Single Colour - 500mm  
Single Colour - 750mm  
Single Colour - 1000mm  
Single Colour - 1250mm  
RGB Colour Change - 500mm  
RGB Colour Change - 1000mm

**Luxeon Colour**  
Red R  
Blue B  
White W  
Warm White WW  
Amber A  
Green G  
Red, Green, Blue Colour Change RGB

ACDC1092/W/SC-1000/AAS

EXTERIOR

LINEAR IN-GROUND IP67



# APPLICATION - EXTERIOR/HANDRAIL

## SPECIFICATION - MEMPHIS

### Lighting Performance

Light Source High Flux  
Surface Mount

### Electrical Data

Driver Type 24V Type  
Max Power Rating 10W/mtr  
Connection Type Plug and Socket



### Luminaire Data

Weight 1.2kg/m  
Temperature Range -10°C to 40°C  
Mounting Type Cut into 42mm diameter seamless bar (to be provided by others)  
Finishes AAS/Polyurethane  
IP Rating IP67

### Design Tips

Integrated beautifully into handrails, but MUST be designed as part of the handrail, and not an afterthought. 42mm dia seamless bar is a must for this product (to be provided by others).

For further LED Performance Data, see separate LED Data Sheet.



### Technical Diagram



### Part Code

**Finish**  
Anodised Aluminium Silver AAS  
with Polyurethane Diffuser

**Lengths**  
Single Colour - 250mm  
Single Colour - 500mm  
Single Colour - 750mm  
Single Colour - 1000mm  
Single Colour - 1250mm  
RGB Colour Change - 500mm  
RGB Colour Change - 1000mm

**Luxeon Colour**  
Red R  
Blue B  
White W  
Warm White WW  
Amber A  
Green G  
Red, Green, Blue Colour Change RGB

ACDC1094/W/SC-1000/AAS



## MEMPHIS

### Description

Memphis is an IP67 linear luminaire designed for the even illumination of handrail details. The luminaire clips into a 42mm diameter handrail feature to create an evenly illuminated linear marker within the handrail itself. This product is not designed to produce a significant wash of light to surrounding areas, but will create vivid and strong linear illumination. RGB or single colour options are available, and the fitting can be controlled via DMX.

### LIGHTING CONFIGURATIONS



Handrail



Colour Change

### Additional Comments

Must be powered by 24V Transformer type 1927 or 1903. DMX input direct to fittings (to be provided by others)

EXTERIOR LINEAR HANDRAIL IP67



# APPLICATION - UNDERWATER FLOOD

## SPECIFICATION - COMO



## COMO

### Description

Como is an IP68 high power round LED flood manufactured in a sleek cast aluminium housing, with a robust fixing bracket. The fitting utilises 12 x 3 Watt luxeon LEDs and is available as single colour or RGB for colour changing applications. The 3 Watt high brightness LEDs deliver outstanding power and punch from such a small luminaire, making it ideal for ponds, fountains and water features.

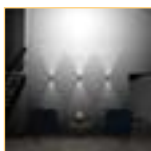
### LIGHTING CONFIGURATIONS



Façade



Underwater



Wall Wash



Colour Change

### Lighting Performance

Light Source	High Power LED
LED Qty	12

### Electrical Data

Input Current	N/A
Driver Type	24V Type
Max Power Rating	50w
Connection Type	10M Pre fit with IP68 Plug



### Luminaire Data

Weight	3.5kg
Temperature Range	-10°C to 40°C
Mounting Type	Surface mount
Finishes	AAS
IP Rating	IP68

### Design Tips

Smallest of circular fittings ideal for tree or feature lighting, with choice of 5 or 10 degree optics.

For further LED Performance Data, see separate LED Data Sheet.

### Technical Diagram



### Part Code

#### Finish

Anodised Aluminium Silver AAS

#### Collimator Lens

5° 5K  
10° 10K

#### Luxeon Colour

Red (3W) R3  
Blue (3W) B3  
White (3W) W3  
Warm White (3W) WW3  
Amber (3W) A3  
Green (3W) G3  
Red, Green, Blue  
Colour Change (3W) RGB3

ACDC1071/RGB3/5K/AAS



EXTERIOR

UNDERWATER FLOOD IP68

### Additional Comments

For single colour this must be powered by 24V Transformer type 1927  
For RGB Colour Change this must be powered by 24V/DMX Transformer type 1926



# APPLICATION - EXTERIOR/FLOOD

## SPECIFICATION - VENUS

### Lighting Performance

Light Source	High Power LED
LED Qty	36

### Electrical Data

Input Current	N/A
Driver Type	24V Type
Max Power Rating	115w
Connection Type	2M Pre fit



### Luminaire Data

Weight	7.5kg
Temperature Range	-10°C to 40°C
Mounting Type	Surface mount
Finishes	AAS
IP Rating	IP66

### Design Tips

Our medium sized circular fitting capable of washing around 25-30m

For further LED Performance Data, see separate LED Data Sheet.



### Technical Diagram



### Part Code

<b>Finish</b>		
Anodised Aluminium Silver	AAS	
<b>Collimator Lens</b>		
5°	5K	
10°	10K	
<b>Luxeon Colour</b>		
Red (3W)	R3	
Blue (3W)	B3	
White (3W)	W3	
Warm White (3W)	WW3	
Amber (3W)	A3	
Green (3W)	G3	
Red, Green, Blue	RGB3	
Colour Change (3W)	RGB3	
<b>ACDC1072/RGB3/5K/AAS</b>		

○ EXTERIOR FLOOD IP66

### Additional Comments

For single colour this must be powered by 24V Transformer type 1927  
For RGB Colour Change this must be powered by 24V/DMX Transformer type 1926



## VENUS

### Description

Venus is an IP66 rated round LED floodlight which utilises 36 x 3 Watt luxeon LEDs. Designed with a sleek cast aluminium housing and robust fixing bracket, Venus is available as single colour or RGB for colour changing applications. By utilising the 3 Watt luxeon LEDs the luminaire delivers outstanding power and is capable of illuminating façades up to 30 metres in height.

### LIGHTING CONFIGURATIONS



Façade



Wall Wash



Colour Change



# APPLICATION - EXTERIOR/FLOOD

## SPECIFICATION - OBLIVION



### Lighting Performance

Light Source	High Power LED
LED Qty	45

### Electrical Data

Input Current	N/A
Driver Type	24V Type
Max Power Rating	150w
Connection Type	2m Pre-fit



### Luminaire Data

Weight	9kg
Temperature Range	-10°C to 40°C
Mounting Type	Surface Mount
Finishes	AAS
IP Rating	IP66

### Design Tips

The largest fitting in the range capable of lighting surfaces around 50 metres.

For further LED Performance Data, see separate LED Data Sheet.



# OBLIVION

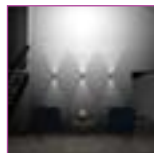
### Description

Capable of illuminating up to 50 metres in height, Oblivion is the most powerful LED flood in the product portfolio. Rated at IP66, and manufactured in a high quality cast aluminium housing, this fitting utilises 45 x 3 Watt luxeon LEDs. The power of Oblivion has to be witnessed to be believed, either using the 5 or 10 degree optics, this fitting is a truly amazing LED flood.

### LIGHTING CONFIGURATIONS



Façade



Wall Wash



Colour Change

### Technical Diagram



### Part Code

#### Finish

Anodised Aluminium Silver AAS

#### Collimator Lens

5° 5K  
10° 10K

#### Luxeon Colour

Red (3W) R3  
Blue (3W) B3  
White (3W) W3  
Warm White (3W) WW3  
Amber (3W) A3  
Green (3W) G3  
Red, Green, Blue (3W) RGB3  
Colour Change

**ACDC1073/RGB3/5K/AAS**

EXTERIOR

FLOOD IP66

### Additional Comments

For single colour this must be powered by 24V Transformer type 1927  
For RGB Colour Change this must be powered by 24V/DMX Transformer type 1926



# APPLICATION - EXTERIOR/FLOOD

## SPECIFICATION - PHOENIX

### Lighting Performance

Light Source	High Power LED
LED Qty	15

### Electrical Data

Input Current	N/A
Driver Type	24V Type
Max Power Rating	50w
Connection Type	2M Pre-fit



### Luminaire Data

Weight	3.75kg
Temperature Range	-10°C to 40°C
Mounting Type	Surface mount
Finishes	AAS
IP Rating	IP66

### Design Tips

Great for neat flood lighting with 5 and 10 degree beam angles. The 10 degree give a strong yet wide flood, whereas the 5 degree gives a solid band of light up to around 15m.

For further LED Performance Data, see separate LED Data Sheet.



### Technical Diagram



### Part Code

<b>Finish</b>		
Anodised Aluminium Silver	AAS	
<b>Collimator Lens</b>		
5°	5K	
10°	10K	
<b>Luxeon Colour</b>		
Red (3W)	R3	
Blue (3W)	B3	
White (3W)	W3	
Warm White (3W)	WW3	
Amber (3W)	A3	
Green (3W)	G3	
Red, Green, Blue Colour Change	RGB3	

**ACDC1070/RGB3/5K/AAS**

**EXTERIOR**      **FLOOD IP66**

### Additional Comments

For single colour this must be powered by 24V Transformer type 1927  
 For RGB Colour Change this must be powered by 24V/DMX Transformer type 1926



## PHOENIX

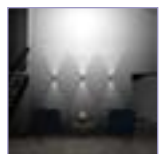
### Description

Phoenix is a dramatic new IP66 addition to ACDC's product portfolio, for the illumination of building façades and spaces. 16 million different colours can be created by the RGB colour combination in conjunction with a DMX controller. It utilises 15 x 3 Watt luxeon LEDs and is available as either single colour or RGB for colour changing applications. By utilising the 3 Watt LEDs the fitting really packs a punch, and is capable of washing up to 15 metres, dependant on your choice of either 5 or 10 degree optics.

### LIGHTING CONFIGURATIONS



Façade



Wall Wash



Colour Change



# APPLICATION - EXTERIOR/FLOOD

## SPECIFICATION - PANORAMA



### Lighting Performance

Light Source	High Power LED
LED Qty	30

### Electrical Data

Input Current	N/A
Driver Type	24V Type
Max Power Rating	100w
Connection Type	2M Pre fit



### Luminaire Data

Weight	6kg
Temperature Range	-10°C to 40°C
Mounting Type	Surface mount
Finishes	AAS
IP Rating	IP66

### Design Tips

Ideal for wide angled Panoramic lighting with special longer versions available on major projects. Contact sales to discuss any specific requirements.

**For further LED Performance Data, see separate LED Data Sheet.**

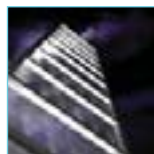


## PANORAMA

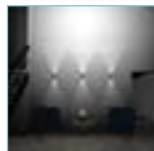
### Description

Panorama is our latest power flood launched to deliver incredible colour changing punch rated at IP66. It utilises 30 x 3 Watt Luxeon LEDs and is available as either single colour or RGB for colour changing applications. The high brightness 3 Watt LEDs deliver outstanding power, and this fitting can be used to illuminate façades up to 30 metres in height. The fitting is available with either 5 or 10 degree optics, to offer total flexibility for your application.

### LIGHTING CONFIGURATIONS



Façade



Wall Wash



Colour Change

### Technical Diagram



### Part Code

<b>Finish</b>		
Anodised Aluminium Silver	AAS	
<b>Collimator Lens</b>		
5°	5K	
10°	10K	
<b>Luxeon Colour</b>		
Red (3W)	R3	
Blue (3W)	B3	
White (3W)	W3	
Warm White (3W)	WW3	
Amber (3W)	A3	
Green (3W)	G3	
Red, Green, Blue	RGB3	
Colour Change (3w)	RGB3	

**ACDC1093/RGB3/5K/AAS**

○ EXTERIOR FLOOD IP66

### Additional Comments

For single colour this must be powered by 24V Transformer type 1927  
For RGB Colour Change this must be powered by 24V/DMX Transformer type 1926



# APPLICATION - UNDERWATER FLOOD

## SPECIFICATION - POLO

### Lighting Performance

Light Source	High Power LED
LED Qty	9

### Electrical Data

Input Current	N/A
Driver Type	24V Type
Max Power Rating	50w
Connection Type	10M Pre fit with IP68



### Luminaire Data

Weight	3kg
Temperature Range	-10°C to 40°C
Mounting Type	Spray Jet Mount
Finishes	AAS
IP Rating	IP68

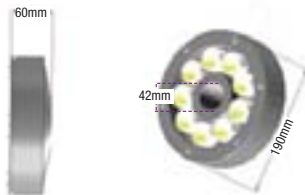
### Design Tips

Small 'Polo' which is ideal for small to medium fountain jets. If Polo isn't big enough for your application, contact sales as a new fountain light is under development for launch in 2008.

For further LED Performance Data, see separate LED Data Sheet.

### Technical Diagram

Max Jet Size 42mm



### Part Code

#### Finish

Anodised Aluminium Silver AAS

#### Collimator Lens

5° 5K  
10° 10K

#### Luxeon Colour

Red (3W) R3  
Blue (3W) B3  
White (3W) W3  
Warm White (3W) WW3  
Amber (3W) A3  
Green (3W) G3  
Red, Green, Blue  
Colour Change (3W) RGB3

ACDC1074/RGB3/5K/AAS



EXTERIOR

UNDERWATER FLOOD IP68

### Additional Comments

For single colour this must be powered by 24V Transformer type 1927  
For RGB Colour Change this must be powered by 24V/DMX Transformer type 1926



## POLO

### Description

Another addition to the IP68 range from ACDC is the Polo fountain illuminator. Cleverly designed to mount around most standard sizes of fountain nozzles, the Polo illuminates the jets of water as they shoot from the centre of the Polo design. The fitting utilises 9 x 3 Watt luxeon LEDs and is available as single colour or RGB colour change. No other light source is quite as capable at creating colour changing effects, and this combination of power and the plumes of water are truly stunning.

### LIGHTING CONFIGURATIONS



Underwater



Colour Change

## >>> STANDARD 700Ma DRIVERS - NON DIMMABLE

### ACDC1930

700mA Non-Dimmable Driver - Series Rating 1-4

#### Electrical Data

Input Voltage	90-264VAC
Series Rating	Series Driver Rating 1-4
Dimming Control	Non Dimmable

#### Mechanical Data

Dimensions	100x40x28mm
Weight	90g
Temperature Range	-10°C to 40°C
Lifetime (MTBF)	50,000 hrs
Max Distance Remote*	35M
Standards	CE EN55015 SELV
Mains Input	Terminal Block
DMX Input	N/A
LED Output	Terminal Block

### ACDC1928

700mA Non-Dimmable Driver - Series Rating 4-12

#### Electrical Data

Input Voltage	90-264VAC
Series Rating	Series Driver Rating 4-12
Dimming Control	Non Dimmable

#### Mechanical Data

Dimensions	133x40x30.5mm
Weight	300g
Temperature Range	-10°C to 40°C
Lifetime (MTBF)	50,000 hrs
Max Distance Remote*	35M
Standards	CE EN55015 SELV
Mains Input	Cable
DMX Input	N/A
LED Output	Cable

### ACDC1929

700mA 1-10 Volt Dimmable Driver - Series Rating 4-12

#### Electrical Data

Input Voltage	90-264VAC
Series Rating	Series Driver Rating 4-12
Dimming Control	1-10 Volt Dimmable

#### Mechanical Data

Dimensions	133x40x30.5 mm
Weight	300g
Temperature Range	-10°C to 40°C
Lifetime (MTBF)	50,000 hrs
Max Distance Remote*	35M
Standards	CE EN55015 SELV
Mains Input	Cable
DMX Input	Cable
LED Output	Cable

Under Development - Due Early 2008 - Consult Sales

## >>> STANDARD 24V/DMX COLOUR CHANGE TRANSFORMERS

### ACDC1926A

IP20 24V and DMX Transformer Driver

#### Electrical Data

Input Voltage	90-132VAC/180x264VAC (Selectable by Switch)
Output Power Rating	350W
Dimming Control	DMX 512

#### Mechanical Data

Dimensions	250x220x70mm
Weight	3.5kg
Temperature Range	-10°C to 40°C
Lifetime (MTBF)	50,000 hrs
Max Distance Remote*	30M
Standards	CE EN55015 SELV
Mains Input	Terminal Block
DMX Input	Terminal Block
LED Output	8x RGB Outputs (Terminal Block) 4 wires per output

Exterior rated version under development. Contact sales.

### ACDC1926B

IP20 24V and DMX Transformer Driver

#### Electrical Data

Input Voltage	90-132VAC/180x264VAC (Selectable by Switch)
Output Power Rating	600W
Dimming Control	DMX 512

#### Mechanical Data

Dimensions	310x220x85mm
Weight	5.25kg
Temperature Range	-10°C to 40°C
Lifetime (MTBF)	50,000 hrs
Max Distance Remote*	30M
Standards	CE EN55015 SELV
Mains Input	Terminal Block
DMX Input	Terminal Block
LED Output	8x RGB Outputs (Terminal Block) 4 wires per output

### ACDC1926C

IP20 24V and DMX Transformer Driver

#### Electrical Data

Input Voltage	90-132VAC/180x264VAC (Selectable by Switch)
Output Power Rating	1000W
Dimming Control	DMX 512

#### Mechanical Data

Dimensions	370x230x85mm
Weight	6kg
Temperature Range	-10°C to 40°C
Lifetime (MTBF)	50,000 hrs
Max Distance Remote*	30M
Standards	CE EN55015 SELV
Mains Input	Terminal Block
DMX Input	Terminal Block
LED Output	8x RGB Outputs (Terminal Block) 4 wires per output

## >>> STANDARD 24 VOLT TRANSFORMER - NON DIMMABLE

### ACDC1927A

IP20 24V Non-Dimmable Transformer

#### Electrical Data

Input Voltage	90-264VAC
Output Voltage	24VDC
Output Power Rating	320W

#### Mechanical Data

Dimensions	215x115x50mm
Weight	1.2kg
Temperature Range	-10°C to 40°C
Lifetime (MTBF)	50,000 hrs
Max Distance Remote*	30M
Standards	CE EN55015 SELV
Mains Input	Terminal Block
DMX Input	N/A
LED Output	Terminal Block

### ACDC1927B

IP20 24V Non-Dimmable Transformer

#### Electrical Data

Input Voltage	90-264VAC
Output Voltage	24VDC
Output Power Rating	480W

#### Mechanical Data

Dimensions	278x127x43mm
Weight	1.6kg
Temperature Range	-10°C to 40°C
Lifetime (MTBF)	50,000 hrs
Max Distance Remote*	30M
Standards	CE EN55015 SELV
Mains Input	Terminal Block
DMX Input	N/A
LED Output	Terminal Block

### ACDC1927C

IP20 24V Non-Dimmable Transformer

#### Electrical Data

Input Voltage	90-264VAC
Output Voltage	24VDC
Output Power Rating	750W

#### Mechanical Data

Dimensions	278x127x63.5mm
Weight	2.9kg
Temperature Range	-10°C to 40°C
Lifetime (MTBF)	50,000 hrs
Max Distance Remote*	30M
Standards	CE EN55015 SELV
Mains Input	Terminal Block
DMX Input	N/A
LED Output	Terminal Block

The power supplies shown here represent an additional range of ACDC products. For more solutions, including 350mA drivers and a wider range of dimming solutions, please visit [www.acdclighting.co.uk](http://www.acdclighting.co.uk) or contact Sales.