

Industrial & Commercial LED Light Fittings



About us



Carbon8Lighting is an award winning manufacturer of ultra-high performance LED light fittings designed specifically for the Commercial / Industrial sectors.

Established in 2011, Carbon8Lighting is the lighting division/brand of computing group, Taran Microsystems Limited. Today, Carbon8Lighting continues to lead the LED lighting market, offering a wide range of high quality, ultra-high performance LED light fittings to meet the most demanding commercial and industrial lighting demands. Carbon8 fittings illuminate everything from airport aprons to sports stadiums, car parks to offices and distribution warehouses to commercial freezers.

Carbon8Lighting is far more than just a designer and manufacturer of light fittings. Carbon8 offers complete end to end lighting project support, from site surveying and conception design all the way through to installation, commissioning and after sales care. Carbon8 provides prospective clients with detailed information and reporting to assist with the decision making process for a lighting project. Additional services include tailoring fittings to individual project requirements and offering a premier warranty for our fittings.

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Why you should change your Lighting to LED Technology



Why update your lighting?

- Energy bills dramatically reduced.
- Carbon emission dramatically reduced.
- Workplace safety increased.
- Productivity increased.
- Meet current lighting standards.

Why choose LED?

- The most efficient and reliable light technology available today.
- Fast return on investment.
- Improved light quality.
- Zero maintenance.
- Light level and occupancy sensor option.
- Robust and shock resistant.
- Dimmable for light level balancing.

Why choose Carbon8Lighting?

- UK Company with experienced LED lighting technical sales team.
- High quality fittings with unique features.
- Best performance LED fittings available.
- 5 Year Premier Care Warranty.
- Free trial stock available.
- Lighting simulations & return on investment calculations.
- Sensor compatible.
- Proven track record.

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Carbon8 product range



Suitability

Which fitting to use where



Discus Floodlight
Discus Floodlight Plus
High Performance Floodlight



Street Light



Canopy Lights
Javelin Linear
Vapour Proof



Panel Lights



Explosion Proof Flood Light

	Canopy Lights	Explosion Proof Flood	Discus Floodlight	Discus Floodlight Plus	High Performance	Discus Gen3	Javelin Linear	Panel Lights	Street Light	Vapour Proof
12V		*	*	*						
Airport Apron		*	*	*	*				*	*
Airport Hanger	*	*	*	*	*	*	*	*		*
Aisle Lighting			*	*	*		*			
Architectural			*	*	*					
Building Sites		*	*	*	*					*
Canopy Lighting	*					*	*	*		*
Car Park - Open Area		*	*	*	*				*	*
Car Park - Multi Story	*	*	*	*	*	*	*	*		*
Cold Storage	*		*	*	*	*	*	*		*
Corridor			*	*			*	*		*
Dimming Control Option	*		*	*	*	*	*	*	*	
Dockside Lighting		*	*	*	*					*
Emergency	*		*	*	*	*	*	*	*	*
Explosion Proof (ATEX)		*								
Factory	*	*	*	*	*	*	*	*		*
Farm Buildings		*	*	*	*	*				*
Food Production	*	*	*	*	*	*	*	*		*
Football Ground			*	*	*					
Forecourt Lighting	*	*	*	*	*	*	*			*
Freezer Rooms		*	*	*	*	*		*		*
Hazardous Area (ATEX)		*								
High Bay			*	*	*	*	*			
Hospital	*		*	*	*	*	*	*	*	*
Low Bay	*		*	*	*	*	*	*		*
Mobile Lighting		*	*	*	*	*				*
Office						*		*		*
Oil and Gas	*	*	*	*	*	*				*
Pallet Storage	*		*	*	*	*	*	*		*
Petrol Station	*	*	*	*	*	*	*	*		*
Rest / Common Staff Area								*		*
Retail	*		*	*	*	*		*		*
Road Lighting		*	*	*	*				*	
School	*		*	*	*	*		*	*	*
Security Lighting		*	*	*	*					
Sensor Control Option	*		*	*	*	*			*	*
Sports Facility			*	*	*	*			*	*
Sports Ground - Outdoor			*	*	*					
Spot Lighting (Projection)										
Street Lighting			*	*	*				*	
Swimming Pool			*	*	*	*				*
Temporary Buildings		*	*	*	*	*				*
Tunnel Lighting	*	*	*	*	*	*	*			*
Warehouse	*	*	*	*	*	*	*			*
Yard Lighting		*	*	*	*	*			*	*

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Carbon8Lighting Warranty



Carbon8's Premier Care Warranty is just one of the many unique benefits that Carbon8Lighting customers enjoy. We are the leading LED Lighting manufacture with our bespoke warranties tailored to suit the needs of individual customer requirement.

5 Year Return, Repair, Replace Warranty

Our standard 5 year warranty. Should a fitting fail during the 5 year warranty period, it should be returned to Carbon8lighting where it will be repaired or replaced, and returned back to you at Carbon8Lightings cost.

5 Year Premier Care Warranty

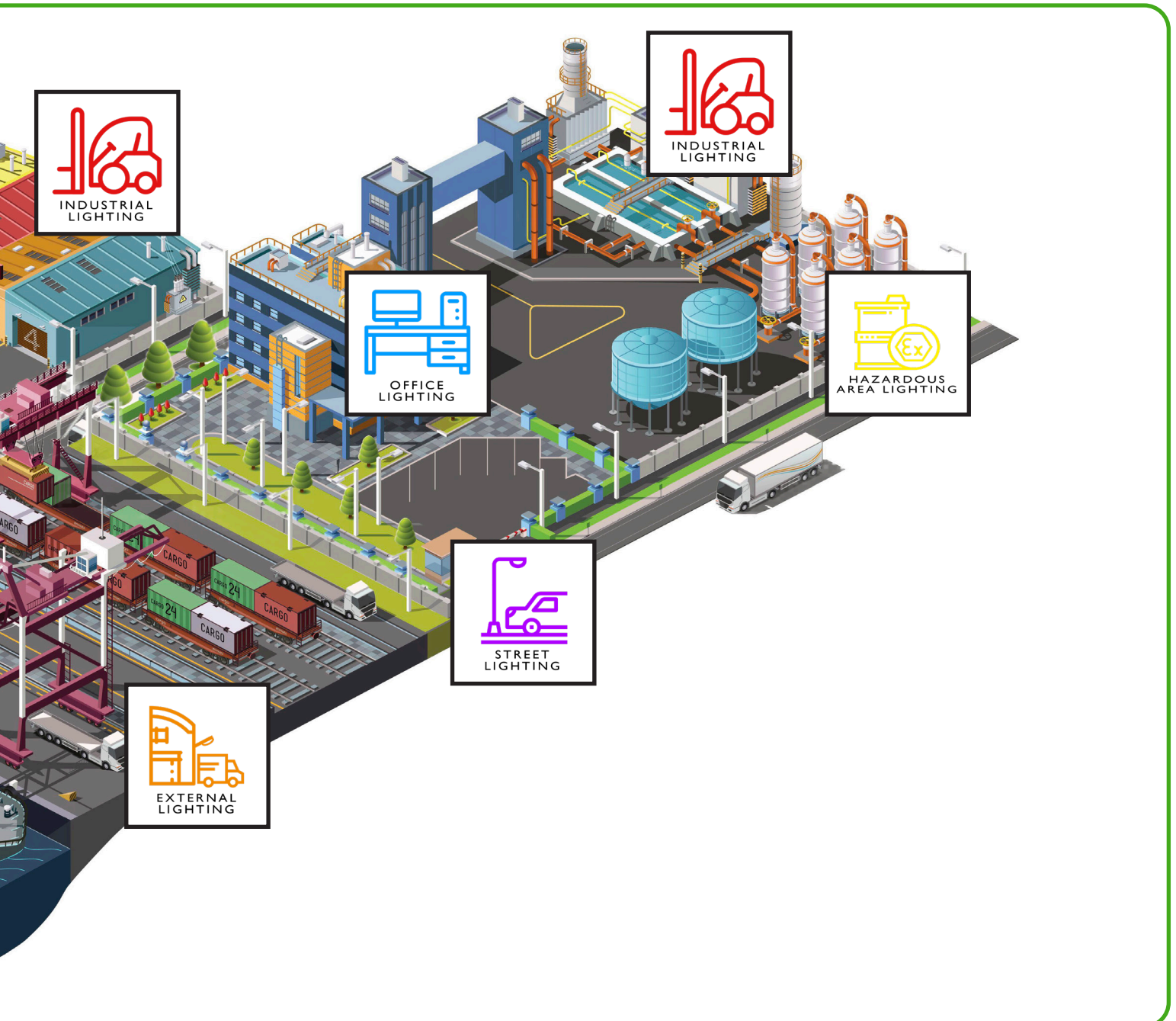
Carbon8Lightings unique 5 year premier care warranty offers customers assurance that, once a fitting is purchased and installed, there will be no surprise costs throughout the 5 year warranty. Should a product fail at any point during the 5 year warranty, a replacement fitting will be sent to site in advance, and once exchanged, Carbon8Lighting will come and collect the failed fitting. In addition, Carbon8Lighting will provide up to £250 plus VAT towards the cost of exchange of any failed fitting.

Installation Map

Which fitting to use where



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Additional Services

The primary objective of Carbon8Lighting is, of course, the design and manufacture of ultra-high performance class leading industrial and commercial LED light fittings. However, additionally Carbon8 offers a range of supporting services to assist customers, many of which are free.

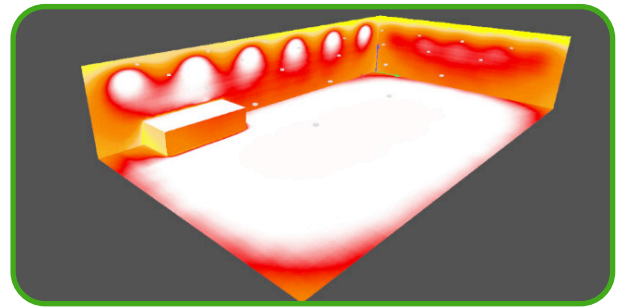
Lighting Project Proposals

Carbon8Lighting offers a comprehensive lighting proposal service to assist clients with selecting the correct products for a particular lighting project. This can range from a simple photometric simulation produced from an emailed drawing, through to a full site survey / lighting audit that is then followed with a comprehensive lighting design simulation report, return on investment calculations and any other supporting information that relates to the particular project. The information provided to customers from these proposals is invaluable with assisting with the decision making process when considering the many benefits of a lighting upgrade project.

Lighting Design

Carbon8Lighting offers a comprehensive lighting design service covering all aspects of internal and external commercial, industrial and sports lighting.

Projects designed by Carbon8 include airport aprons and hangars, swimming pools, sports arenas, railway sidings and sheds, ports and even a giant animal enclosure at a zoo. Carbon8 also provide lighting designs for more conventional projects such as factories, warehouses, office spaces and car parks.



Tailoring Service

Carbon8Lighting offers a range of 'tailoring' services for its LED Light fittings. This includes everything from custom powder coating to tamper proofing, from light diffusers to dust deflectors and much more. Expanding cable flex, remotely mounting drivers and adding plug connectors are just some of the examples of bespoke work carried out by Carbon8, assisting installers with speeding up their install times by having this work done prior to delivering the fittings to site.

Finance

Historically, lighting has been difficult to finance competitively because light fittings were deemed to have little or no value once installed. With their outstanding lifespan, robust reliability and the backing of its unique 5 Year Premier Warranty package. Carbon8's LED fittings are extremely attractive to companies offering finance. Collaborating with a number of specialist finance companies, Carbon8 is able to offer a range of finance packages to suit customer needs, including the inclusion of all project costs such as installation.

Rates can be so competitive that customers often enjoy the benefit of saving money from day one, quite simply through the reduction in energy costs being greater than the combined finance figure added to the reduced energy bill. Finance is a great option for companies that do not have the capital available to fund an energy saving lighting project, but can clearly see the huge savings and benefits from such a project. Being in a positive cash flow position from the start of a financed lighting project is very common and this makes the financing option very appealing.

Lighting Controls

The addition of sensor control can enhance the already huge savings offered by LED lighting, unlike older lighting technologies, LED works wonderfully with lighting controls such as occupancy and daylight sensing.

Having the option for dimming means that each Carbon8Lighting sensor controlled fitting can be programmed to provide just the right amount of light required in conditions where natural light levels fluctuate. The sensor is set to measure the light level and when the natural light falls below a pre-set level, the Carbon8 fitting comes on to maintain the light levels.

Carbon8 offer two key sensor control options, both of which can offer dimming, daylight sensing and occupancy / movement sensing.

For the first option Carbon8Lighting has teamed up with electronics giant Honeywell to offer an integrated standalone occupancy and light level sensor that is programmable from floor level. The advantage to this system is that it is simple to install and works very well for many work areas.

The second option is Carbon8 lighting's flexible intelligent wireless lighting control system LumiNET, this is a highly flexible system that offers programming of light fittings and sensors in any combination to suit the specific area(s) to be lit. All of this programming can be done remotely from the comfort of your desk or even your armchair at home, using a tablet.

Additionally LumiNET offers unparalleled data collection, telling you how much energy each fitting or group of fittings has consumed for a given period and how many times a sensor has been triggered, showing occupancy 'hot spots'. This information is provided to your desktop via a portal and is depicted using clear and easy to understand graphical representation. Using this information it is possible to fine tune the programming of sensors and fittings to get the absolute maximum savings. LumiNET also offers an inbuilt Emergency Monitoring System that can help to improve safety and further save money.



LumiNET Intelligence Lighting Control



Light when and where you need it!

It is a well-documented fact that businesses waste vast amounts of energy through inefficient use of lighting. Every day of the year, office, factory and warehouse light fittings burn at 100% when left unoccupied, or when there is sufficient ambient light to allow for safe works. For businesses globally, lighting currently accounts for the biggest single area energy waste, translating into large energy bills that could be dramatically reduced.

Switching the lights off would be the simple answer, of course, if humans were not notoriously unreliable when it comes to doing this. Additionally, there are other impracticalities associated with switching off and on older lighting technologies; the key drawbacks being restrike time and knowing when the ambient light levels are sufficient to be able to switch the fittings off.

Therefore, the answer to this costly issue is to take the human element out of the equation.

The ideal solution is to use sensor-control, although historically with technologies such as Fluorescents, Metal Halide and Sodium, this was not a comprehensive solution; due again to restrike times and lack of dimming capabilities.

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Enter LED

LumiNET is now firmly established and offers enough benefits on its own merits to mean that we should be evaluating upgrading to LED now. Some of LED's key attributes that overcome the drawbacks of older sensor integration include instantaneous illumination and a choice of available dimming protocols.

The major benefit that we achieve when upgrading to LED is a staggering reduction in energy consumption, translating into dramatic cost reductions and fast return on investment payback.

To achieve the ultimate efficient lighting solution we need a highly efficient product, coupled with an intelligent lighting control system.

Such advanced lighting control systems have been available for some time now, but to implement this type of system, it is usually highly complex and prohibitively expensive. This is down to installation which requires additional circuitry, commissioning of the fittings, a building management system, and the initial control of the hardware.

Enter Carbon8Lighting C8 LumiNET

Simple, intelligent control for Carbon8's ultra-efficient LED light fittings. Imagine being able to control individual light fittings so that each one reacts to movement and light level exactly as you wish. Being able to group fittings, and control by whichever sensor or sensors you chose. Dim each and any fittings to your chosen level as and when desired. Monitor key aspects of your lighting such as energy consumption, occupancy levels and emergency lighting status. This is a lighting utopia, this is Carbon8Lighting C8 LumiNET.

They say that the best solutions take complex problems and make them easy and this is exactly what LumiNET does.

So what does Carbon8 LumiNET do? LumiNET brings advanced lighting control to all sizes of businesses at an affordable price. Linking a range of Carbon8's dimmable luminaires to movement and / or light level sensors, as well as to one another, all wirelessly.

The Carbon8 LumiNET system is simple to install, easy to commission and offers an unlimited number of connections. What this means in practical terms, is that every light fitting on the network is doing exactly what you want it to be doing, no more, no less.

LumiNET combines an affordable intelligent lighting control system with Carbon8Lighting's ultra-efficient LED light fittings to provide unparalleled savings. This is the future of commercial lighting, available today.



Bespoke Lighting Projects

Please visit our website for detailed information on our case studies.

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Project: Abellio Greater Anglia, Crown Point Traction and Rolling Stock Maintenance Depot



Hazardous Area Atex Lighting

Light fittings designed to operate in hazardous areas have unique demands and requirements that are not required of standard commercial light fittings. Meticulous attention to detail throughout design and production are essential in such high risk areas and the ATEX certification program ensures that these rigorous standards are met and upheld.

ATEX is the industry recognised European certification that is applied to hazardous area equipment and Carbon8 offers the full range of Tormin ATEX certified LED light fittings.

Established in 2003, Tormin specialises in the design and manufacture of hazardous area lighting and supporting products. Starting off with mobile lighting, Tormin soon became aware of a shortage of affordable, high quality fix mounted lighting for operation in hazardous environments.

In 2006, the company designed a range of flood lights using metal halide technology, and a couple of years later, Tormin was one of the first manufacturers of commercial lighting to embrace LED technology because of its suitability for hazardous area lighting over other higher risk light technologies.

Today Tormin hazardous area LED light fittings can be found across the globe. Carbon8Lighting is the Exclusive UK Distribution Partner for Tormin, offering pre and post sales support, including project design, installation and commissioning. As well as ATEX certification, Tormin products also carry IECEx certification.



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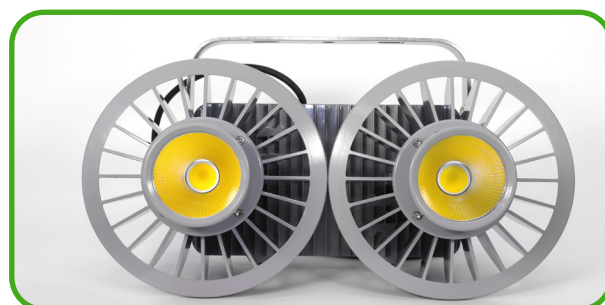
Hazardous Area Atex Lighting

Tormin Hazardous Area / ATEX Certified LED Lighting Range

Please contact Carbon8Lighting for specific product information including specification details and photometric information.

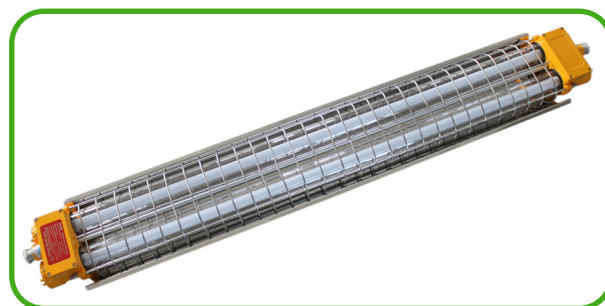
Floodlight - Hazardous Area - ATEX Certified

- 25-480W Output Range
- Lens Options - narrow to wide beam
- Bracket or Pole / Spigot mounting
- 5 Year Warranty
- Optional integrated Emergency



Linear Task / Batten Light - Hazardous Area - ATEX Certified

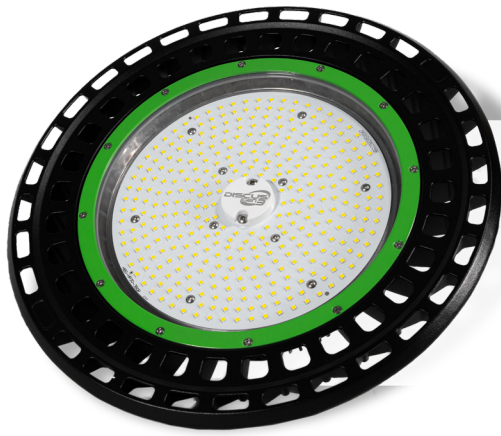
- 20-40W Output Range
- Replacement for Fluorescent Tube Fittings
- 5 Year Warranty
- Optional integrated Emergency



High Bay - Hazardous Area - ATEX Certified

- 60-240W Output Range
- Lens Options - narrow to wide beam
- 5 Year Warranty
- Optional integrated Emergency





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Discus Gen3 LED High Bay

70W - 300W Spec Sheet

Overview

Market leading and Ultra-efficient, the Discus Gen3 High Bay is an evolution of Carbon8Lighting's highly successful Discus LED High Bay range. The Discus Gen3 High Bay is specifically tailored for lighting large areas such as warehouses and factories, inside and out.

The Discus Gen3 High Bay replaces conventional sodium and metal halide fittings, consuming a fraction of the energy and eliminating expensive lamp replacement and maintenance. Competitively priced and with unparalleled performance of in excess of 168 lumens per watt, the Discus Gen3 High Bay offers unrivalled value for money and impressive return on investment figures.

The Discus Gen3 High Bay range combines high quality materials, leading edge technology and intelligent design to produce a robust and reliable light fitting that is IP65 rated and can operate in the harshest environments. Powering Carbon8Lighting's Discus Gen3 High Bay is the highly efficient Meanwell power supply with built in power factor correction, temperature and surge protection which together provide outstanding performance and reliability. Options available for the Discus Gen3 High Bay include dimmable sensor control with light level/occupancy control, fixed bracket wall/ceiling mounting and emergency.

Features & Benefits

- Die-cast Aluminium Housing with UV stabilized powder coating.
- IP65/IK08 Rated, 3G Vibration Rating.
- Dali Dimming Control (0-10V / PMW optional).
- Ultra-efficient performance up to 168lm/W.
- Carbon8's Unique 5 Year Premier Care Warranty Program.
- Suitable for food production areas.

Application



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Technical Specification

Description: Discus Gen3 High Bay

Recommended Product Location: All locations, indoors and out

PRODUCT DETAILS	
Voltage	120-277 VAC 50/60Hz
IP Rating	IP65
Typical Lumens per watt	168
Colour Rendering	>70 (>80 available special order)
LED Module	Philips / Osram
Beam angle	120°
Operating Temperature	-25° to +40°
Warranty	5 year Premier Care
Colour Temperature	5000k (4000k & 6500k available special order)
Power Factor	>0.90
Dimming Control	Dali as Standard
Driver	Dali as Standard

OPTIONS	
Occupancy Sensor	✓
Light level sensor	✓
Remote Programmable Sensor	✓
Polycarbonate front	Fitted as standard
RGB	N/A
12-24v	N/A
Emergency	✓
Fixed Bracket Mounting	✓

Performance Chart

LED POWER	CIRCUIT WATTS	TYPICAL LUMENS	WEIGHT	DIMENSIONS
70W	75	12450	2.9 KG'S	280mm
90W	101	16800	3.0 KG'S	280mm
120W	129	21775	3.9 KG'S	340mm
150W	163	27120	4.0 KG'S	340mm
200W	201	33400	5.0 KG'S	400mm
300W	302	49800	6.1 KG'S	460mm



Diagram (70-90W)

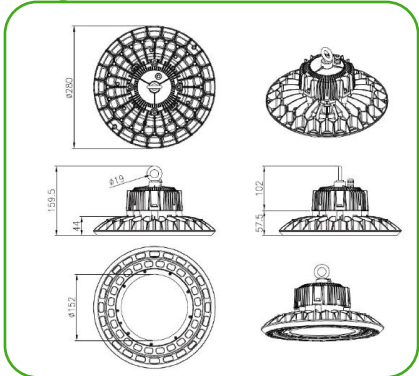


Diagram (120-150W)

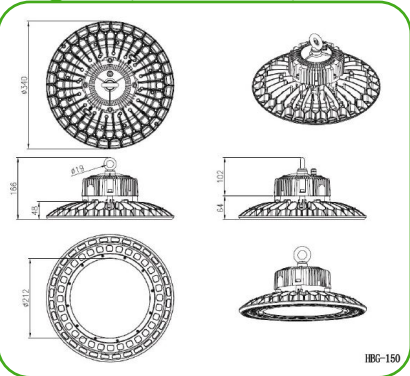


Diagram (200W)

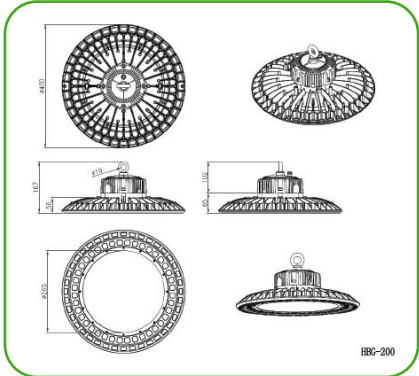
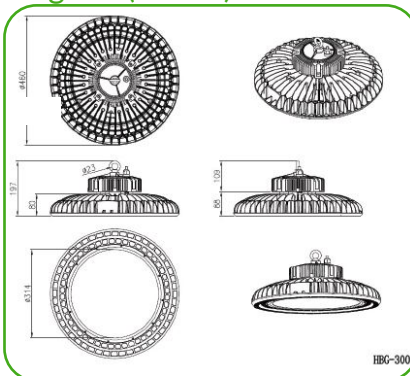


Diagram (300W)



The Discus Gen3 High Bay is covered by Carbon8Lighting's unique 5 Year Premier Care Warranty. Very rarely, even a Carbon8 fitting can become faulty. Should this happen at any point during the 5 year warranty, Carbon8 will send an advance replacement fitting to site, pay up to £250+VAT towards the exchange and collect the swapped fitting from site. As well as minimising down time, this unique warranty reassures customers investing in a Carbon8 product, there will be no hidden cost of ownership.



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Javelin3 Plus

75W - 400W Spec Sheet

Overview

Specifically designed for High Bay and Low Bay aisle lighting, the Carbon8Lighting Javelin3 Plus LED High Bay range combines latest technology with innovative, intelligent design. The result is a light fitting that offers outstanding performance, economy and reliability.

Offering a wide range of options, the Javelin3 can be tailored to meet specific project customer requirements. A choice of high quality optics ensures that light is delivered exactly where it's needed. Offered with DALI dimming control as standard, this allows the Javelin3 to be operated with a huge range of occupancy and light level sensors.

The Javelin3 pairs perfectly with Carbon8Lightings hugely successful Discus LED open area high bay to offer total lighting solutions for warehouse, factory and retail applications.

Features & Benefits

- Die-cast Aluminium Housing with UV stabilized powder coating.
- Precision accurate polycarbonate lenses put light where its wanted and reduce/eliminate light pollution with 90° total cut off.
- IP65/IK09 Rated, 3G Vibration Rating.
- DALI Dimming Control.
- Ultra-efficient performance up to 160lm/W.
- Carbon8's Unique 5 Year Premier Care Warranty Program.
- Suitable for food production areas.

Application



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Technical Specification

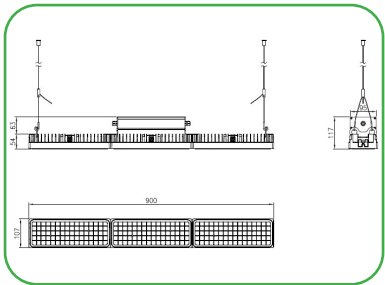
Description:Carbon8Lighting Javelin3 Plus High Bay Recommended Product Location: Industrial/Warehouse/Factory Aisles.

PRODUCT DETAILS	
Voltage	120-277 VAC 50/60Hz
IP Rating	IP65
Typical Lumens per watt	160 lm/W
Colour Rendering	>70 (>80 available special order)
LED Module	Philips / Osram
Beam angle	120°
Operating Temperature	-25° to +40°
Warranty	5 year Premier Care
Colour Temperature	5000k (4000k & 6500k available special order)
Power Factor	>0.90
Dimming Control	0-10V Standard (DALI available special order)
Driver	Meanwell
OPTIONS	
Occupancy Sensor	✓
Light level sensor	✓
Remote Programmable Sensor	✓
Polycarbonate front	Fitted as standard
RGB	N/A
12-24v	N/A
Emergency	✓
Fixed Bracket Mounting	✓

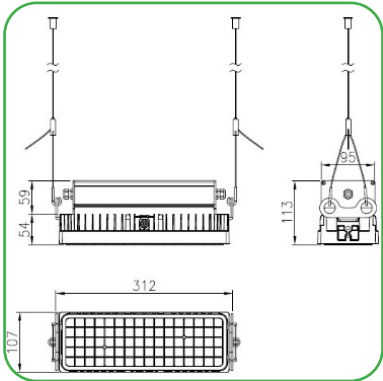
LED POWER	CIRCUIT WATTS	TYPICAL LUMENS	WEIGHT	DIMENSIONS
75W	82W	12790	3.5 KG'S	312x107x113mm
100W	110W	17688	3.5 KG'S	312x107x113mm
150W	160W	24956	5.6 KG'S	600x107x113mm
200W	220W	35376	5.6 KG'S	600x107x113mm
300W	320W	51456	8.5 KG'S	900x107x113mm
400W	440W	70752	11 KG'S	1200x107x113mm



Diagram of Javelin3



300



75/100

The Javelin Gen3 is covered by Carbon8Lighting's unique 5 Year Premier Care Warranty. Very rarely, even a Carbon8 fitting can become faulty. Should this happen at any point during the 5 year warranty, Carbon8 will send an advance replacement fitting to site, pay up to £250+VAT towards the exchange and collect the swapped fitting from site. As well as minimising down time, this unique warranty reassures customers investing in a Carbon8 product, there will be no hidden cost of ownership.



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Discus Floodlight Plus

50W - 1200W Spec Sheet

Overview

The Carbon8Lighting Discus LED Floodlight is a unique design that offers an unparalleled combination of performance, quality and flexibility.

With a choice of five unique lenses that have been specifically designed for the Discus Floodlight, light output is guided to exactly where it's required. In doing this the Discus Floodlight maximises efficacy while minimising secondary glare and light pollution.

The Discus Floodlight range sits perfectly alongside Carbon8Lighting's hugely successful Discus LED High Bay and Javelin 2 Linear High Bay ranges, combining to offer total lighting solutions for warehouses, factory and retail applications, indoor and out.

Features & Benefits

- Die-cast Aluminium Housing with UV stabilized powder coating.
- Precision accurate polycarbonate lenses put light where its wanted and reduce/eliminate light pollution.
- IP65 Rated.
- Dali Dimming Control (0-10V / PMW) For use with external sensor.
- Ultra-efficient performance up to 160lm/W.
- Carbon8's Unique 5 Year Premier Care Warranty Program.

Application



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Technical Specification

Description: Discus Floodlight Plus Recommended Product Location: All locations, indoors and out

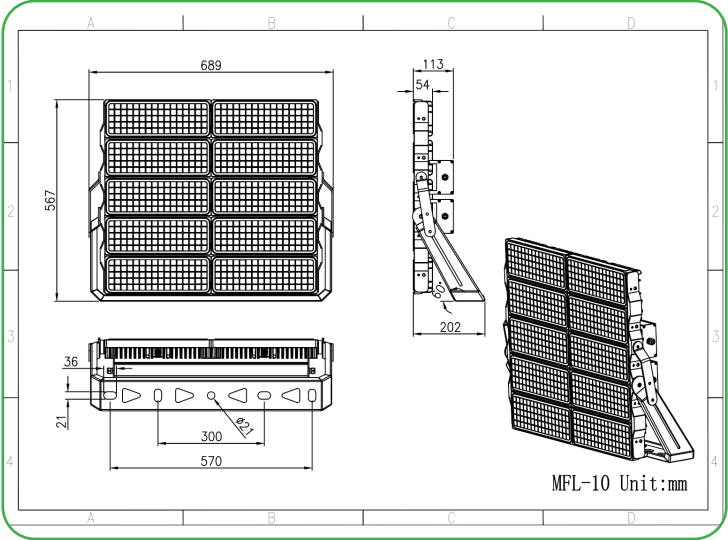
PRODUCT DETAILS	
Voltage	100-305 VAC 50/60Hz
IP Rating	IP65
Typical Lumens per watt	160
Colour Rendering	>70 (>80 available special order)
LED Module	Lumileds
Beam angle	30x30, 60x60, 40x150, 85x90
Operating Temperature	-25° to +40°
Warranty	5 year Premier Care
Colour Temperature	5000k (4000k & 6500k available special order)
Power Factor	>0.90
Case Material	Cast Aluminium / Polycarbonate
Driver	Meanwell
OPTIONS	
Light level sensor	✓
Remote Programmable Sensor	Available special order
Dimming Control	Available special order
Polycarbonate front	Fitted as standard
RGB	N/A
12-24v DC	N/A
Emergency	✓

Performance Chart

LED POWER	CIRCUIT WATTS	TYPICAL LUMENS	WEIGHT	DIMENSIONS
50W	55	98579	3 KG'S	326 x 153 x 128mm
75W	82	12790	3 KG'S	326 x 153 x 128mm
100W	110	17688	3 KG'S	326 x 153 x 128mm
150W	160	24956	6 KG'S	322 x 203 x 249mm
200W	220	35376	6 KG'S	322 x 203 x 249mm
300W	320	51456	8 KG'S	322 x 203 x 356mm
400W	440	70752	11 KG'S	364 x 233 x 463mm
600W	640	102912	14.8 KG'S	664 x 175 x 372mm
800W	880	141504	20.5 KG'S	681 x 463 x 437mm
1000W	1100	176880	32 KG'S	689 x 202 x 567mm
1200W	1280	205824	35 KG'S	689 x 662 x 260mm



Diagram of Discus Floodlight Plus (1000W) - Other sizes available



The Discus Floodlight Plus is covered by Carbon8Lighting's unique 5 Year Premier Care Warranty. Very rarely, even a Carbon8 fitting can become faulty. Should this happen at any point during the 5 year warranty, Carbon8 will send an advance replacement fitting to site, pay up to £250+VAT towards the exchange and collect the swapped fitting from site. As well as minimising down time, this unique warranty reassures customers investing in a Carbon8 product, there will be no hidden cost of ownership.

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Discus Floodlight

30W - 800W Spec Sheet

Overview

The Carbon8Lighting Discus LED Floodlight is a unique design that offers an unparalleled combination of performance, quality and flexibility.

With a choice of five unique lenses that have been specifically designed for the Discus Floodlight, light output is guided to exactly where it's required. In doing this the Discus Floodlight maximises efficacy while minimising secondary glare and light pollution.

The Discus Floodlight range sits perfectly alongside Carbon8Lighting's hugely successful Discus LED High Bay and Javelin Linear High Bay ranges, combining to offer total lighting solutions for warehouses, factory and retail applications, indoor and out.

Features & Benefits

- Die-cast Aluminium Housing with UV stabilized powder coating.
- Precision accurate polycarbonate lenses put light where its wanted and reduce/eliminate light pollution with 90° total cut off.
- IP65 Rated.
- Dali Dimming Control (0-10V / PMW).
- Ultra-efficient performance up to 140lm/W.
- Carbon8's Unique 5 Year Premier Care Warranty Program.

Application



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Technical Specification

Description: Discus Floodlight

Recommended Product Location: All locations, indoors and out

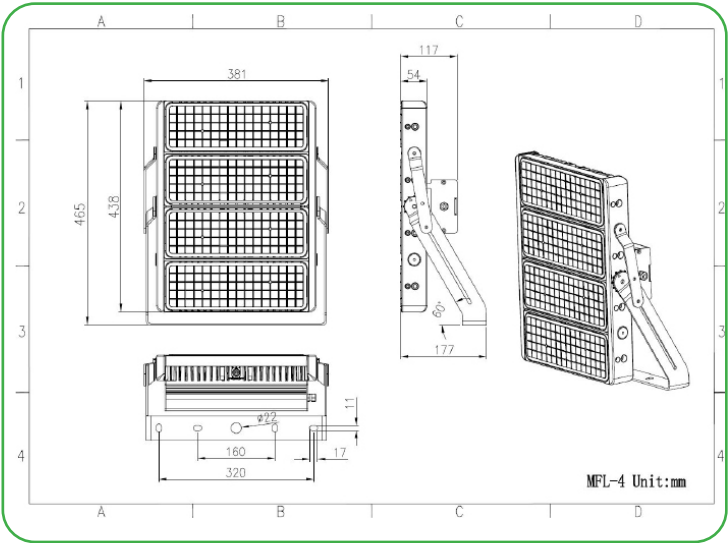
PRODUCT DETAILS	
Voltage	100-305 VAC 50/60Hz
IP Rating	IP65
Typical Lumens per watt	130
Colour Rendering	>70 (>80 available special order)
LED Module	Lumileds
Beam angle	30x30, 60x60, 90x90, 40x150, 85x90
Operating Temperature	-25° to +40°
Warranty	5 year Premier Care
Colour Temperature	5000k (4000k & 6500k available special order)
Power Factor	>0.90
Case Material	Cast Aluminium / Polycarbonate
Driver	Meanwell
OPTIONS	
Occupancy Sensor	✓
Light level sensor	✓
Remote Programmable Sensor	Available special order
Dimming Control	Available special order
Polycarbonate front	Fitted as standard
RGB	N/A
12-24v DC	N/A
Emergency	✓

Performance Chart

LED POWER	CIRCUIT WATTS	TYPICAL LUMENS	WEIGHT	DIMENSIONS
50W	55	7260	3 KG'S	326 x 153 x 128mm
75W	80	9600	3 KG'S	326 x 153 x 128mm
100W	103	13575	6 KG'S	332 x 203 x 249mm
150W	150	19800	6 KG'S	332 x 203 x 249mm
200W	220	29040	8 KG'S	322 x 203 x 356mm
300W	300	39600	11 KG'S	364 x 223 x 463mm
400W	440	54444	16.5 KG'S	664 x 175 x 372mm
600W	640	81037	21.5 KG'S	681 x 463 x 437mm
800W	880	105600	22 KG'S	689 x 202 x 567mm



Diagram of Discus Floodlight - Other sizes available



The Discus Floodlight is covered by Carbon8Lighting's unique 5 Year Premier Care Warranty. Very rarely, even a Carbon8 fitting can become faulty. Should this happen at any point during the 5 year warranty, Carbon8 will send an advance replacement fitting to site, pay up to £250+VAT towards the exchange and collect the swapped fitting from site. As well as minimising down time, this unique warranty reassures customers investing in a Carbon8 product, there will be no hidden cost of ownership.



Discus Gen2 Street Light

20W - 150W Spec Sheet

Overview

The Ultra-efficient Discus Streetlight Gen2 offers market leading performance. The range is offered with a choice of symmetric and assymmetric precision lenses to ensure that the light directs to exactly where it's needed. In doing this the Discus Streetlight Gen2 maximises efficacy while minimising secondary glare and light pollution.

The flexible head is adjustable through 90 degrees allowing for horizontal or vertical mounting (+/-15°) The Discus Gen2 Streetlight is ideal for a wide range of street lighting and car park lighting applications.

Optional daylight sensing offers even greater energy saving, ensuring that the light fitting is on only when it is needed. The LED Discus Streetlight offers outstanding combination of performance, quality and flexibility.

Features & Benefits

- Die-cast Aluminium Housing with UV stabilized powder coating.
- Precision accurate polycarbonate lenses put light where its wanted and reduce/eliminate light pollution with 90° total cut off.
- NEMA socket option for photo cell/lighting controls.
- IP66/IK08 Rated, 3G Vibration Rating.
- Dali Dimming Control (0-10V / PMW).
- Ultra-efficient performance up to 155lm/W.
- Carbon8's Unique 5 Year Premier Care Warranty Program.
- Top or side spigot mounting.
- Tempered glass lens cover minimises dirt build up reducing maintenance.
- Inbuilt 10KVa Surge protection.

Application



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Technical Specification

Description: Discus Gen2 Streetlight

Recommended Product Location: External

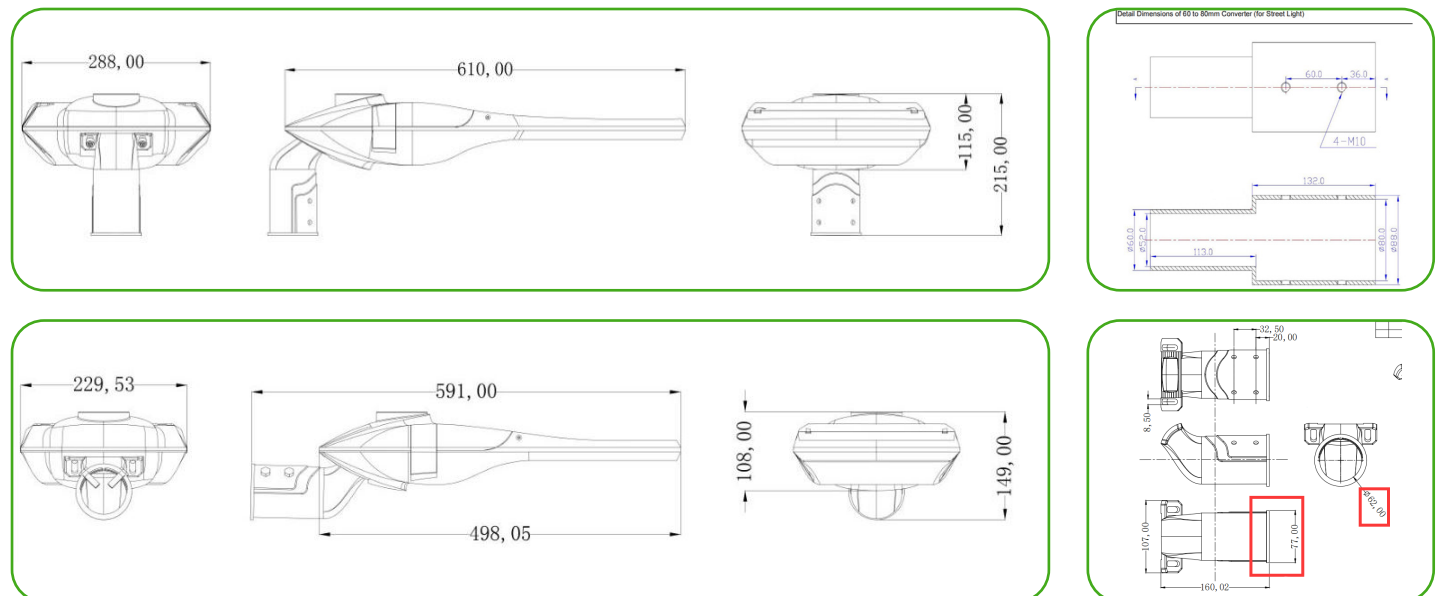
Performance Chart

PRODUCT DETAILS	
Voltage	100-227 VAC 50/60Hz
IP Rating	IP66
Typical Lumens per watt	150/155lm/W
Colour Rendering	>70 (>80/90 available special order)
LED Module	Lumileds
Beam angle	T2(50x140) T3(40x140) T4(30x140)
Operating Temperature	-40° to +50°
Warranty	5 year Premier Care
Colour Temperature	3000k, 4000k, 5000k, 5700k, 6500k
Power Factor	>0.95
Case Material	Cast Aluminium / Tempered Glass
Driver	Meanwell
OPTIONS	
Sensor Controls	Available special order
Photocell	Available special order
Mounting	Vertical/Horizontal
Dimming Control	Available special order
RGB	N/A
12-24v DC	N/A
Emergency	N/A

LED POWER	CIRCUIT WATTS	TYPICAL LUMENS	WEIGHT	DIMENSIONS
20W	21	3202	4.4 KG'S	238 x 650 x 505 x 140mm
30W	32	4800	4.4 KG'S	238 x 650 x 505 x 140mm
40W	42	6290	4.4 KG'S	238 x 650 x 505 x 140mm
50W	51	7680	4.4 KG'S	238 x 650 x 505 x 140mm
60W	61	9120	4.4 KG'S	238 x 650 x 505 x 140mm
75W	76	11061	4.4 KG'S	238 x 650 x 505 x 140mm
90W	90	13802	6.3 KG'S	290 x 765 x 620 x 145mm
120W	120	18282	6.3 KG'S	290 x 765 x 620 x 145mm
150W	150	22226	6.3 KG'S	290 x 765 x 620 x 145mm



Diagram of Discus Gen2 Street Light



The Discus Gen2 Streetlight is covered by Carbon8Lighting's unique 5 Year Premier Care Warranty. Very rarely, even a Carbon8 fitting can become faulty. Should this happen at any point during the 5 year warranty, Carbon8 will send an advance replacement fitting to site, pay up to £250+VAT towards the exchange and collect the swapped fitting from site. As well as minimising down time, this unique warranty reassures customers investing in a Carbon8 product, there will be no hidden cost of ownership.

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Discus Solar Street Light

10W - 60W Spec Sheet

Overview

The Discus Solar Streetlight offers an outstanding 220 lumens per watt, out shining the competition. The range offers a wide choice of lenses, maximising efficacy while minimising unwanted light pollution.

This product is specially designed to run in areas with limited or no access to electricity, allowing it to be installed anywhere with sunlight.

Features & Benefits

- The Discus Solar Streetlight can operate at full power for 15 hours on a single charge and boasts up to 7 days of usage whilst utilising 'Intelligent mode'.
- Integral monocrystalline silicon solar panel.
- Removable Lithium Iron Phosphate battery.
- User friendly battery replacement design.
- Bilateral solar panels allow a conversion rate of up to 30%.
- Unique anti-theft technology.
- Angle adjustable LED module plate.
- Diverse bracket options allow for multiple applications.
- Built in PIR/Microwave sensor and smart controller.

Application



EXTERNAL
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Technical Specification

Description: Discus Solar Street Light

PRODUCT DETAILS	
Voltage	12-24v DC
IP Rating	IP65
Typical Lumens per watt	220lm/W
Colour Rendering	70 / 80
Beam angle	120° (Please Call for a Lens)
Operating Temperature	-40° to +50°
Warranty	5 year Premier Care
Colour Temperature	5700k (3000k, 4000k, 5000k, 6500k)
Power Factor	>1.0
Case Material	Diecast Aluminium
Driver	N/A
Lens Material	Polycarbonate
OPTIONS	
Sensor Controls	Available special order
Photocell	Available special order
Mounting	Vertical/Horizontal
Dimming Control	Available special order
RGB	N/A
12-24v DC	N/A
Emergency	N/A

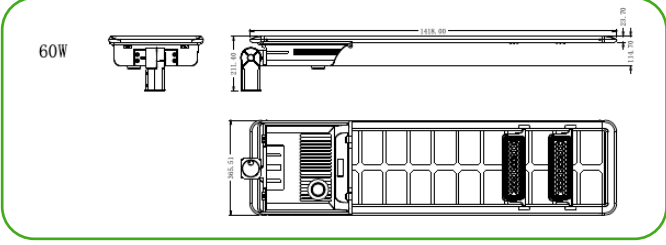
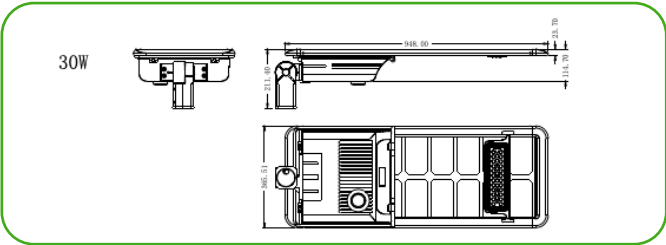
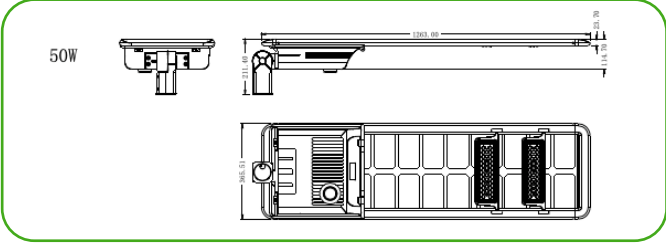
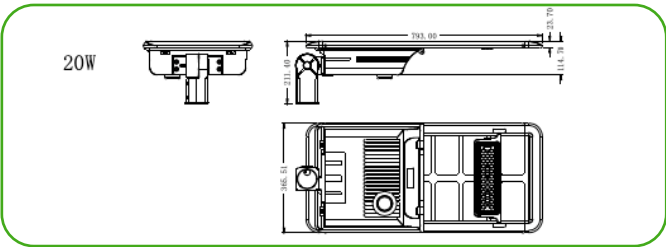
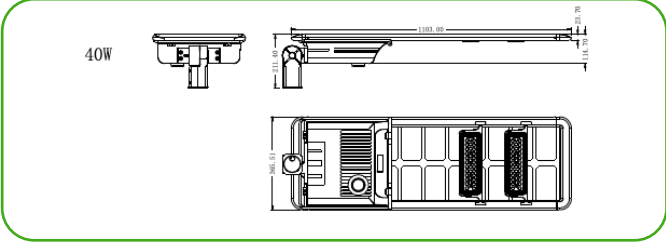
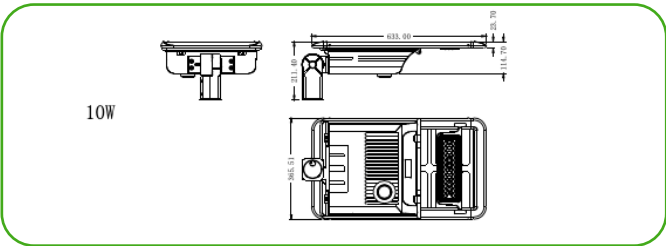
Recommended Product Location: External

Performance Chart

LED POWER	CIRCUIT WATTS	TYPICAL LUMENS	WEIGHT	DIMENSIONS
10W	10W	2205	11.5 KG'S	633 x 365 x 211mm
20W	20W	4175	12.9 KG'S	793 x 365 x 211mm
30W	30W	6388	14.5 KG'S	948 x 365 x 211mm
40W	40W	8383	16.2 KG'S	1103 x 365 x 211mm
50W	50W	10092	17.6 KG'S	1263 x 365 x 211mm
60W	60W	12480	19.6 KG'S	1418 x 365 x 211mm

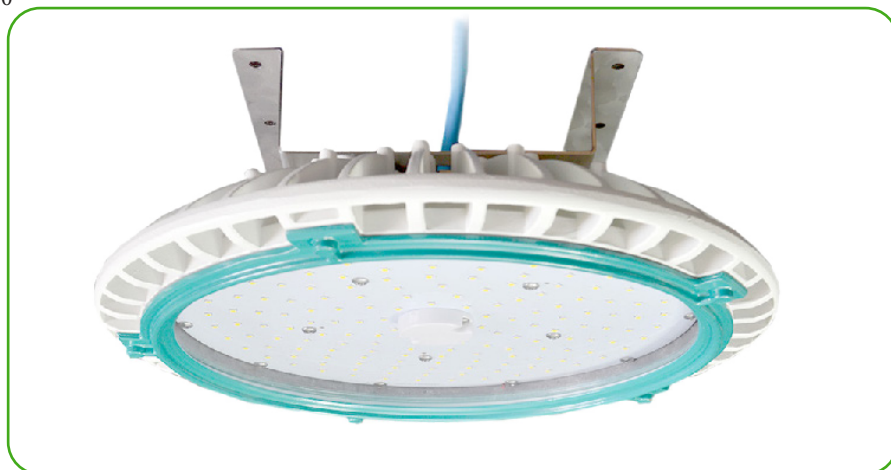


Diagram of Discus Solar Street Light



The Discus Gen2 Streetlight is covered by Carbon8Lighting's unique 5 Year Premier Care Warranty. Very rarely, even a Carbon8 fitting can become faulty. Should this happen at any point during the 5 year warranty, Carbon8 will send an advance replacement fitting to site, pay up to £250+VAT towards the exchange and collect the swapped fitting from site. As well as minimising down time, this unique warranty reassures customers investing in a Carbon8 product, there will be no hidden cost of ownership.





Discus Zero

70W - 200W Spec Sheet

Overview

Designed specifically for temperature controlled environments, Carbon8Lighting's award winning Discus Zero LED High Bay fitting offers all of the benefits of the standard Discus LED High Bay plus some simple innovation that makes it the ideal choice in freezers and cold stores.

By detaching the drive gear and placing it outside the freezer the Discus Zero gives off less heat inside the temperature controlled environment than any other fitting available. Additionally, in the unlikely event of a driver failure, this can be dealt with very simply, outside the temperature controlled environment.

The ultra-efficient Discus Zero Gen3 LED High Bay range offers phenomenal value for money, market leading performance and unparalleled reliability. The Discus Zero range combines high quality materials, leading edge technology and intelligent design to produce a robust and reliable light fitting that is IP65 rated and can operate in the harshest environments.

Features & Benefits

- Die-cast Aluminium Housing with UV stabilized powder coating.
- IP65 Rated.
- Dali Dimming Control (0-10V / PMW).
- Ultra-efficient performance up to 160lm/W.
- Carbon8's Unique 5 Year Premier Care Warranty Program.
- Suitable for food production areas.

Application



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Technical Specification

Description: Discus Zero Recommended Product Location: Industrial and Fridge/Freezer applications

PRODUCT DETAILS	
Case Material	DIE CAST ALUMINIUM
Voltage	100-305AC
IP Rating	IP65
Typical Lumens per watt	160 lm/w
Colour Rendering	>70 (>80 available)
LED Module	Lumileds
Cable	Artic Cable
Operating Temperature	-40° to +40°
Warranty	5 year Premier Care
Colour Temperature	5000k (4000k & 6500k available special order)
Power Factor	0.9
Lens Material	Polycarbonate
Driver	Meanwell
OPTIONS	
Occupancy Sensor	✓
Light level sensor	✓
Remote Programmable Sensor	✓
Polycarbonate front	Fitted as standard
RGB	✓
12-24v	✓
Emergency	✓
Fixed Bracket Mounting	✓

Performance Chart

LED POWER	CIRCUIT WATTS	TYPICAL LUMENS	WEIGHT	DIMENSIONS
70W	77	12320	3.0 KG'S	320mm
90W	100	16000	3.6 KG's	320mm
120W	130	20800	3.9 KG'S	320mm
150W	160	25600	4.0 KG'S	430mm
200W	210	33600	5.0 KG'S	430mm



Diagram of Discus Zero (70W, 90W, 120W)

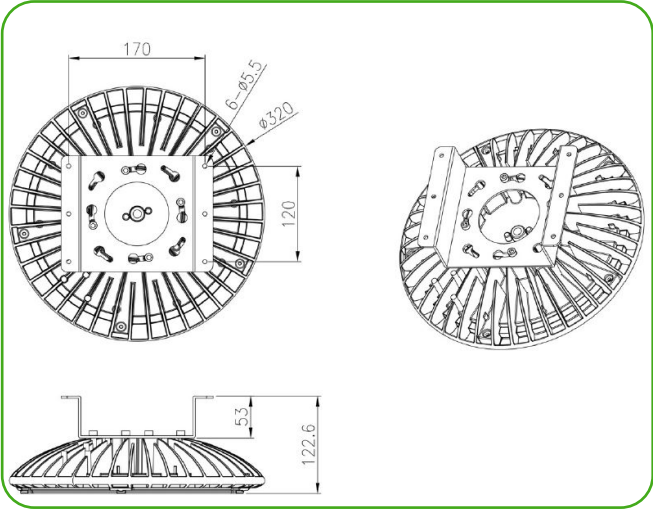
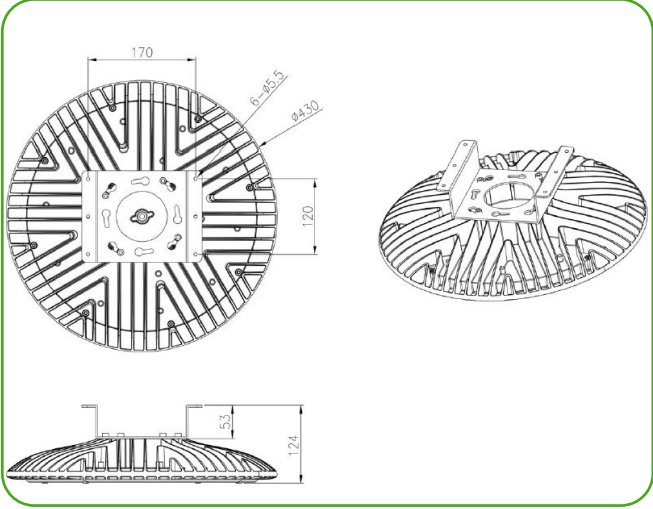


Diagram of Discus Zero (150W, 200W)



The Discus Zero is covered by Carbon8Lighting's unique 5 Year Premier Care Warranty. Very rarely, even a Carbon8 fitting can become faulty. Should this happen at any point during the 5 year warranty, Carbon8 will send an advance replacement fitting to site, pay up to £250+VAT towards the exchange and collect the swapped fitting from site. As well as minimising down time, this unique warranty reassures customers investing in a Carbon8 product, there will be no hidden cost of ownership.



Javelin Zero

50W - 400W Spec Sheet

Overview

Designed specifically for temperature controlled environments, Carbon8Lighting's award winning Javelin Zero LED Linear fitting offers all of the benefits of the standard Javelin2 LED Linear plus some simple innovation that makes it the ideal choice in freezers and cold stores.

By detaching the drive gear and placing it outside the freezer the Javelin Zero gives off less heat inside the temperature controlled environment than any other fitting available. Additionally, in the unlikely event of a driver failure, this can be dealt with very simply, outside the temperature controlled environment. The ultra-efficient Javelin and Javelin Zero Gen2 LED Linear range offers phenomenal value for money, market leading performance and unparalleled reliability.

The Javelin Zero range combines high quality materials, leading edge technology and intelligent design to produce a robust and reliable light fitting that is IP65 rated and can operate in the harshest environments.

Features & Benefits

- Die-cast Aluminium Housing with UV stabilized powder coating.
- Precision accurate polycarbonate lenses put light where it's wanted.
- IP65 Rated.
- Dali Dimming Control (0-10V / PMW).
- Ultra-efficient performance up to 140lm/W.
- Carbon8's Unique 5 Year Premier Care Warranty Program.
- Suitable for food production areas.

Application



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Technical Specification

Description: MHB Linear IP65 Recommended Product Location: Industrial and fridge/freezer applications

PRODUCT DETAILS	
Case Material	DIE CAST ALUMINIUM
Voltage	100-305AC
IP Rating	IP65
Typical Lumens per watt	130 lm/w
Colour Rendering	>70 (>80 available)
LED Module	Lumileds
Cable	Artic Cable
Operating Temperature	-40° to +40°
Beam angle	30x30°, 60x60° 90x90° 30x100° 140x140°
Warranty	5 year Premier Care
Colour Temperature	5000k (4000k & 6500k available special order)
Power Factor	0.9
Lens Material	Polycarbonate
Driver	Meanwell
OPTIONS	
Occupancy Sensor	✓
Light level sensor	✓
Remote Programmable Sensor	✓
Polycarbonate front	Fitted as standard
RGB	✓
12-24v	✓
Emergency	✓
Fixed Bracket Mounting	✓

Performance Chart

LED POWER	CIRCUIT WATTS	TYPICAL LUMENS	WEIGHT	DIMENSIONS
50W	55W	7100	4.0 KG'S	107x400x67mm
75W	76W	9600	4.0 KG'S	107x400x67mm
100W	103W	14300	6.5 KG'S	107x400x67mm
150W	150W	21400	8.0 KG'S	107x400x67mm
200W	220W	26800	9.0 KG'S	107x400x67mm
300W	300W	39600	11.0 KG'S	218x734x67mm
400W	440W	57000	16.0 KG'S	218x1034x67mm



Diagram of Javelin Zero (50W, 75W)

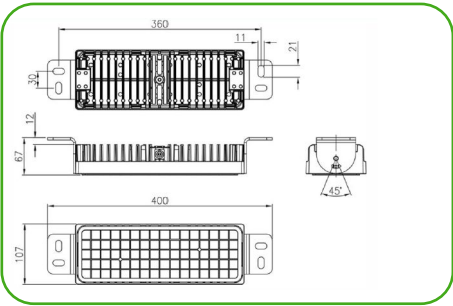


Diagram of Javelin Zero (100W, 150W)

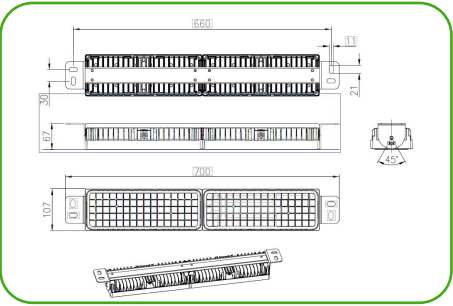


Diagram of Javelin Zero (200W)

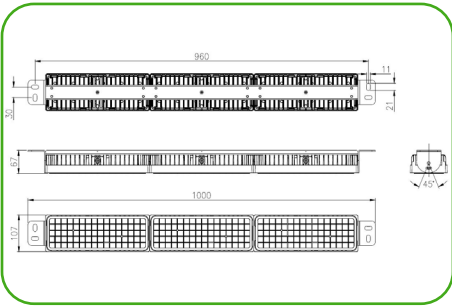


Diagram of Javelin Zero (300W)

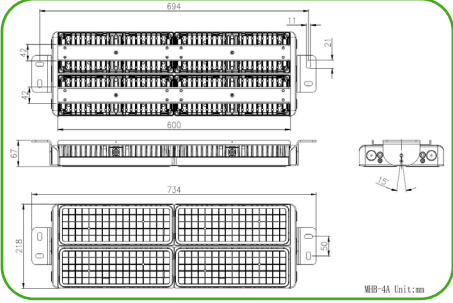
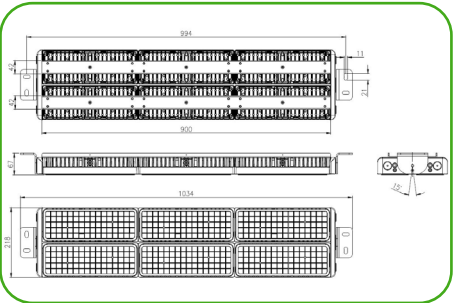


Diagram of Javelin Zero (400W)



The Javelin Zero is covered by Carbon8Lighting’s unique 5 Year Premier Care Warranty. Very rarely, even a Carbon8 fitting can become faulty. Should this happen at any point during the 5 year warranty, Carbon8 will send an advance replacement fitting to site, pay up to £250+VAT towards the exchange and collect the swapped fitting from site. As well as minimising down time, this unique warranty reassures customers investing in a Carbon8 product, there will be no hidden cost of ownership.

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Aluminium LED Vapour Proof

Spec Sheet

Overview

The Carbon8Lighting Aluminium Vapour Proof fitting offers superb value, combining excellent performance with rugged reliability.

Constructed using high grade anodised aluminium and polycarbonate, the IP65 rated fitting is stylish, robust and practical. Internally, the high performance LED chips are powered using an industry leading Meanwell driver to produce up to 130 lumens per watt.

Amongst the available options is a fully integrated microwave occupancy sensor and integrated EM3 maintained emergency, making for simple and fast installation.

Features & Benefits

- Anodised Extruded Aluminium Housing with Polycarbonate Diffuser.
- IP65 Rated.
- Optional Integrated Sensor.
- Performance up to 130lm/W.
- Carbon8's Unique 5 Year Premier Care Warranty Program.
- Optional Integrated Emergency.
- Suitable for food production areas.

Application



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Technical Specification

Description: Vapour Proof

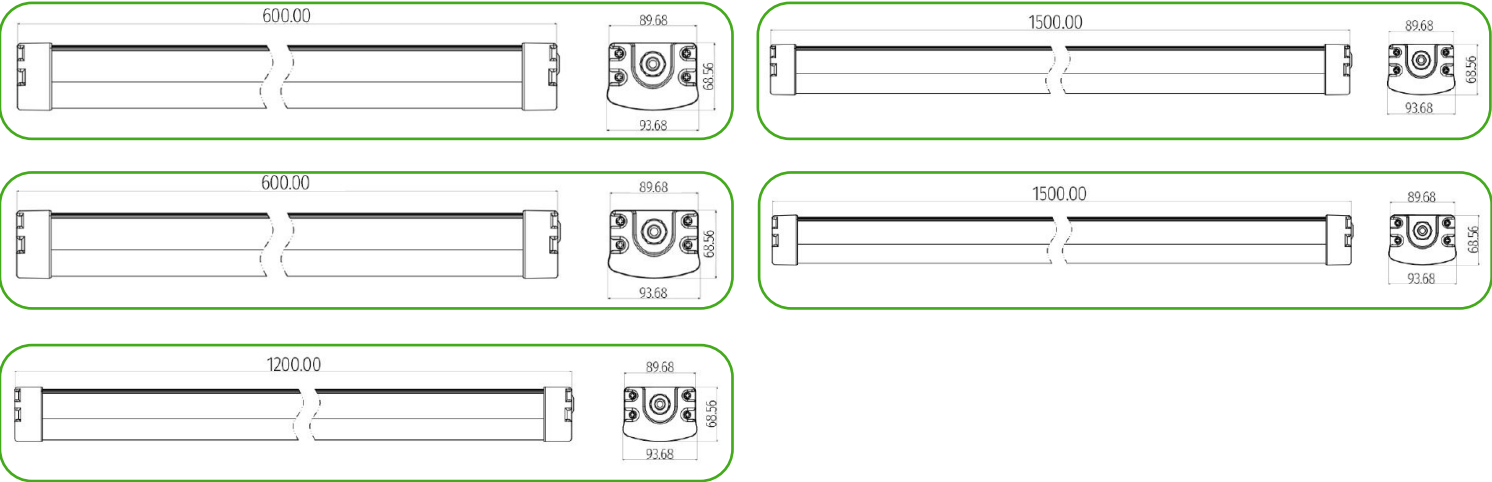
Recommended Product Location: Warehouse and office applications

PRODUCT DETAILS	
Case Material	Aluminium+PC
Voltage	200-240V AC
IP Rating	IP65
Typical Lumens per watt	130 lm/w
Colour Rendering	>80
Operating Temperature	-20°C to +40°C
Beam angle	120°
Warranty	5 year Premier Care (3 year on EM3)
Colour Temperature	5000k as standard
Power Factor	>0.95
Lens Material	Polycarbonate
Driver	Meanwell
OPTIONS	
Built in PIR	
Built in microwave sensor	✓
Dimmable	✓
12-24v	
Emergency	✓
Casing colour choice	

Performance Chart

LED Power	CIRCUIT WATTS	TYPICAL LUMENS	WEIGHT	DIMENSIONS
19W	20W	2445	1.5kg	600x94x69
29W	30W	3992	1.5kg	600x94x69
36W	40W	5022	2.5kg	1200x94x69
48W	50W	6375	3kg	1500x94x69
58W	60W	7597	3kg	1500x94x69

Diagram of Vapour Proof



The LED Vapour Proof is covered by Carbon8Lighting’s unique 5 Year Premier Care Warranty. Very rarely, even a Carbon8 fitting can become faulty. Should this happen at any point during the 5 year warranty, Carbon8 will send an advance replacement fitting to site, pay up to £250+VAT towards the exchange and collect the swapped fitting from site. As well as minimising down time, this unique warranty reassures customers investing in a Carbon8 product, there will be no hidden cost of ownership.



Round LED Panel

Spec Sheet

Overview

The Carbon8Lighting Round LED Panel offers excellent performance matched with superb reliability. Ease of installation and exceedingly low maintenance make the Carbon8Lighting Round LED Panel the ideal choice for new or retrofit installation.

The smooth aluminium bezel and textured light diffuser give a sleek stylish finish and superb even light dispersal making this fitting ideal for a broad range of retail and office environments. A range of options include a choice of colour temperature, dimming control and emergency version.

Features & Benefits

- Powder Coated Aluminium casing with Polycarbonate Diffuser.
- IP40 Rated.
- Dimming control Options.
- Choice of colour temperature.
- Carbon8's Unique 5 Year Premier Care Warranty Program.
- Emergency option using Carbon8 Univesal LED Emergency pack.

Application



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Technical Specification

Description: Round LED Panel Light

Recommended Product Location: Office/Retail

PRODUCT DETAILS	
Voltage	100-240 V AC
IP Rating	IP40
Typical Lumens per watt	753
Colour Rendering	80
Beam angle	120°
Operating Temperature	-20° to +40°
Warranty	5 Year
Colour Temperature	3000K - 6000K
Power Factor	>0.90
OPTIONS	
Emergency	✓
Dimmable	✓

Performance Chart

LED POWER	CIRCUIT WATTS	TYPICAL LUMENS	WEIGHT	DIMENSIONS
10W	11W	1012	0.5 KG'S	160mm
18W	19W	1748	0.7 KG'S	220mm

Diagram of 10W 18cm Round LED Panel

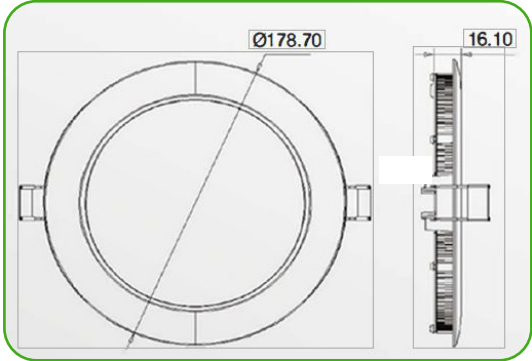
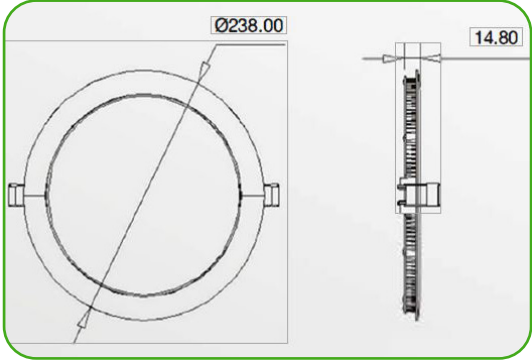


Diagram of 18W 24cm Round LED Panel



The Round LED Panel is covered by Carbon8Lighting's unique 5 Year Premier Care Warranty. Very rarely, even a Carbon8 fitting can become faulty. Should this happen at any point during the 5 year warranty, Carbon8 will send an advance replacement fitting to site, pay up to £250+VAT towards the exchange and collect the swapped fitting from site. As well as minimising down time, this unique warranty reassures customers investing in a Carbon8 product, there will be no hidden cost of ownership.

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CARBON8
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Square/Rectangle LED Panel

Spec Sheet

Overview

The Carbon8Lighting LED Panel offers excellent performance matched with superb reliability. Ease of installation and exceedingly low maintenance make the Carbon8Lighting LED Panel the ideal choice for new or retrofit installation.

The slim aluminium bezel and smooth surface of the panel create a sleek stylish finish. The indirect light source produces a superb even light dispersal making Carbon8's LED Panel ideal for a broad range of retail and office environments. A range of options include a choice of colour temperature, dimming control and emergency version.

Features & Benefits

- Powder Coated Aluminium casing with Polycarbonate Diffuser.
- IP40 Rated.
- Dimming control Options.
- Light output performance up to 125lm/W.
- Carbon8's Unique 5 Year Premier Care Warranty Program.
- Emergency option using Carbon8 Univesal LED Emergency pack.
- Option for suspended cable hanging/surface mounting.

Application



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Technical Specification

Description: Square/Rectangle LED Panel Light

Recommended Product Location: Office/Retail

PRODUCT DETAILS	
Case Material	Aluminium+PC
Voltage	200-240V AC
IP Rating	IP65
Typical Lumens per watt	130 lm/w
Colour Rendering	>80
Operating Temperature	-20°C to +40°C
Beam angle	120°
Warranty	5 year Premier Care (3 year on EM3)
Colour Temperature	5000k as standard
Power Factor	>0.95
Lens Material	Polycarbonate
Driver	Meanwell
OPTIONS	
Built in PIR	
Built in microwave sensor	✓
Dimmable	✓
12-24v	
Emergency	✓
Casing colour choice	

Performance Chart

LED POWER	CIRCUIT WATTS	TYPICAL LUMENS	WEIGHT	DIMENSIONS
18W	18W	1601	1.5kg	295x295x12.5mm
20W	20W	2539	1.5kg	595x595x12.5mm
36W	36W	3755	2.5kg	595x595x12.5mm
36W	37W	4305	3kg	1195x295x12.5mm
72W	78W	6733	3kg	1195x295x12.5mm

Diagram of 18W 300x300 LED Panel

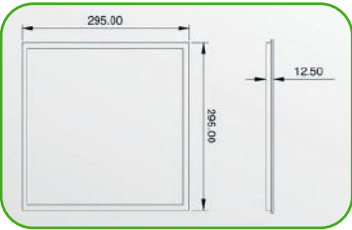


Diagram of 20W / 36W 600x600 LED

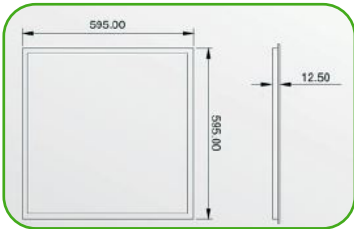


Diagram of 36W 1200x300 LED Panel

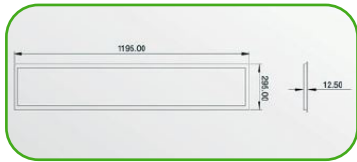
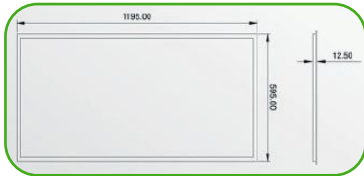


Diagram of 72W 1200x600 LED Panel



The Square/Rectangle LED Panel is covered by Carbon8Lighting’s unique 5 Year Premier Care Warranty. Very rarely, even a Carbon8 fitting can become faulty. Should this happen at any point during the 5 year warranty, Carbon8 will send an advance replacement fitting to site, pay up to £250+VAT towards the exchange and collect the swapped fitting from site. As well as minimising down time, this unique warranty reassures customers investing in a Carbon8 product, there will be no hidden cost of ownership.


CARBON8
LIGHTING

TORMIN®

BC9700 Series LED Hazardous Area High Bay / Floodlight

Spec Sheet

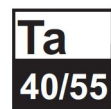
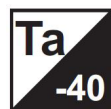
Overview

The Tormin BC9700 Hazardous area LED High Bay/Floodlight offers excellent performance matched with superb reliability. Ease of installation and exceedingly low maintenance makes this product the ideal choice for new or retrofit installations.

Features & Benefits

- High efficacy LED Light Source.
- Suitable for operation in low and high temperature environments.
- Suitable for corrosive environments.
- Choice of mounting fixings with angle adjustment for flexible and easy installation.
- Impact and vibration resistant.
- Choice of symmetrical and asymmetric lenses.
- Meanwell Driver with built in surge protection.
- 5 Year repair / replace warranty.
- ATEX Certified Zones 1 and 2, 21 and 22, Certified by Eurofins product testing, Italy.

Application



LM79
LM84



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Technical Specification

Description: BC9700 Series LED Hazard Area High Bay / Floodlight Recommended Product Location: Hazardous areas

PRODUCT DETAILS	
Input Voltage	90~305VAC 50/60Hz
IP Rating	IP66
Typical Lumens per watt	160
Colour Rendering	>70 (>80 available special order)
LED Module	CITIZEN
Beam angle	40°/60°/80°/100°/60°x 80°/90°x 110°
Operating Temperature	-40° to +40°/+55°
Warranty	5 Year Repair / Replace Warranty
Colour Temperature	5000k (4000k & 6500k available special order)
Power Factor	>0.95
Dimming Control	Special order
Driver	Meanwell
Dimension	300*202mm

PRODUCT OPTIONS	
Occupancy Sensor	N/A
Light level sensor	N/A
Remote Programmable Sensor	N/A
High borosilicate glass front	Fitted as standard
RGB	N/A
12-24v	N/A
Emergency	N/A
Fixed Bracket Mounting	Optional

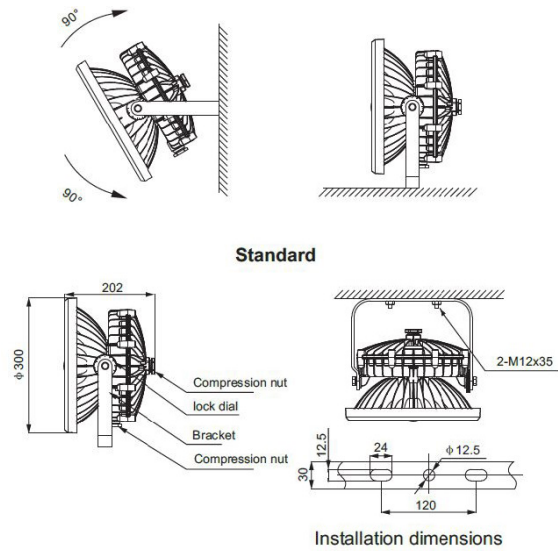
Performance Chart

LED POWER	CIRCUIT WATTS	TYPICAL LUMENS
55.80	60	9600
80	80	12800
100	100	16000
120	120	19200
150	150	24000
200	200	32000

Ambient Temperature /

Circuit Watts	TA ≤40°C	TA ≤55°C
60	T5	T4
Circuit Watts	TA ≤40°C	TA ≤55°C
80	T5	T4
Circuit Watts	TA ≤40°C	TA ≤55°C
100	T4	T4
Circuit Watts	TA ≤40°C	TA ≤55°C
120	T4	T4
Circuit Watts	TA ≤40°C	TA ≤55°C
150	T4	T4
Circuit Watts	TA ≤40°C	TA ≤55°C
200	T3	T3

Diagram of BC9700



The Tormin BC9700 is covered by our 5 Year repair/replace Warranty. Warranty upgrade packages available. UK purchases, warranty handled through Carbon8Lighting.



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BC9101 Series LED Hazardous Area Floodlight

Spec Sheet

Overview

The Tormin BC9101 Series LED Hazardous Area Floodlight is a compact and versatile LED fitting suitable for indoor and the harshest outdoor environments making it ideal for both onshore and offshore applications.

Features & Benefits

- Unique recessed focal reflector delivers light accurately and evenly, exactly where it is needed, saving energy, reducing glare and reducing light pollution.
- Ultra-efficient CREE LED light source
- Meanwell Driver with built in surge protection.
- Anti-vibration locking fixing U-bracket.
- Heavy duty anti-corrosion powder coated aluminium housing.
- All external components made from 304 stainless steel.
- ATEX Certified Zones 1 and 2, 21 and 22, Certified by Eurofins product testing, Italy.

Application



Technical Specification

Description: BC9101 Series LED Hazardous Area Floodlight

Recommended Product Location: Hazardous areas

PRODUCT DETAILS	
Ex mark	16 Ex d IIB T6 Gb, Ex tb IIIC T80°C Db
Voltage	90-264 VAC 50/60Hz
IP Rating	IP66
Typical Lumens per watt	110
Colour Rendering	>0.75
LED Module	CREE
Beam angle	100°
Operating Temperature	-40°C to +50°C
Colour Temperature	Special order
Power Factor	>0.95
Dimming Control	Special order
Driver	Inventronics
Dimension	240x180mmmm
Warranty	5 Year Repair / Replace Warranty
Cable Entry	G3/4"
Net Weight	4 kg's

PRODUCT OPTIONS	
Occupancy Sensor	N/A
Light level sensor	N/A
Remote Programmable Sensor	N/A
High borosilicate glass front	Fitted as standard
RGB	N/A
18~43VAC/18~55VDC	25w, 40w
Emergency	N/A
Fixed Bracket Mounting	N/A

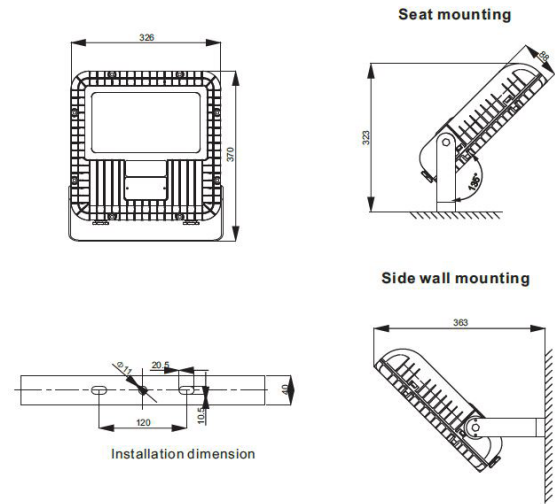
Performance Chart

LED POWER	CIRCUIT WATTS	TYPICAL LUMENS
22.00w	25w	2800lm
35.20w	40w	4200lm
52.80w	60w	5900lm
70.40w	80w	7200lm

Ambient Temperature / Temperature Group

Circuit Watts	TA ≤45°C
25w	T6
40w	T6
60w	T6

Diagram of BC9101 series



The Tormin BC9101 is covered by our 5 Year repair/replace Warranty. Warranty upgrade packages available. UK purchases, warranty handled through Carbon8Lighting.



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BC9303 Series LED Hazardous Area Platform Light

Spec Sheet

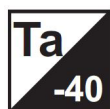
Overview

The Tormin BC9303 Series LED Hazardous Area Platform Light is designed to be used in a wide range of internal and exterior hazardous areas, as well as in the harshest weather conditions, making it a highly versatile platform light fitting.

Features & Benefits

- Unique recessed focal reflector delivers light accurately and evenly, exactly where it is needed, saving energy, reducing glare and reducing light pollution.
- Ultra-efficient CREE LED light source.
- Meanwell Driver with built in surge protection.
- Anti-vibration locking fixing U-bracket.
- Heavy duty anti-corrosion powder coated aluminium housing.
- All external components made from 304 stainless steel.
- ATEX Certified Zones 1 and 2, 21 and 22, Certified by Eurofins product testing, Italy.

Application



Technical Specification

Description: BC9303 Series LED Hazardous Area Platform Light Recommended Product Location: Hazardous areas

PRODUCT DETAILS	
Ex mark	16 Ex d IIB T6 Gb, Ex tb IIIC T80°C Db
Voltage	90-305 VAC 50/60Hz
IP Rating	IP66
Typical Lumens per watt	112
Colour Rendering	>0.75
LED Module	CREE
Beam angle	120°*140°
Operating Temperature	-40°C to +45°C
Colour Temperature	5000k (4000k & 6500k available special order)
Power Factor	>0.95
Dimming Control	Special order
Driver	Meanwell
Dimension	326*370*88mm
Warranty	5 Year Repair / Replace Warranty
Cable Entry	G3/4"
Net Weight	9 kg's

PRODUCT OPTIONS	
Occupancy Sensor	N/A
Light level sensor	N/A
Remote Programmable Sensor	N/A
High borosilicate glass front	Fitted as standard
RGB	N/A
12-24v	N/A
Emergency	N/A
Fixed Bracket Mounting	Fitted as standard

Ambient Temperature / Temperature Group

Circuit Watts	TA ≤45°C
60w	T6
40w	T6
60w	T6
80w	T6

Performance Chart

LED POWER	CIRCUIT WATTS	TYPICAL LUMENS
22.00w	25w	2400lm
35.20w	40w	4300lm
52.80w	60w	5800lm

Diagram of BC9303 series

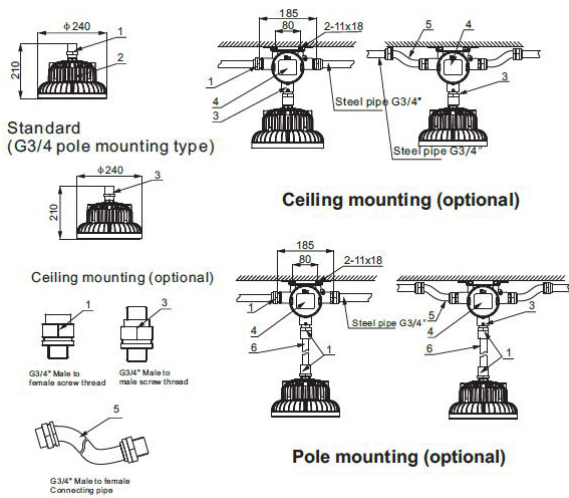
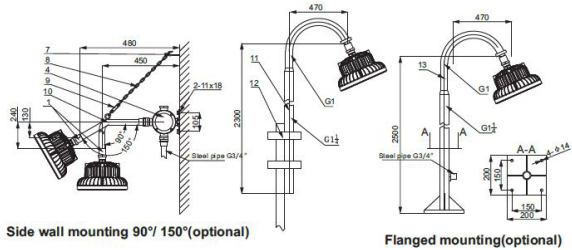


Diagram of BC9303 series



The Tormin BC9303 is covered by our 5 Year repair/replace Warranty. Warranty upgrade packages available. UK purchases, warranty handled through Carbon8Lighting.



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BC9306 Series LED Hazardous Area Platform/ Floodlight

Spec Sheet

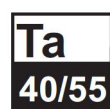
Overview

The Tormin BC9306 Series LED Hazardous Area Platform/ Floodlight is designed to be used in a wide range of internal and exterior hazardous areas, as well as in the harshest weather conditions, making it a highly versatile platform/floodlight light fitting. The separated wiring chamber makes installation and maintenance easier.

Features & Benefits

- High efficacy CITIZEN LED Light Source.
- Suitable for operation in low and high temperature environments.
- Suitable for corrosive environments.
- Choice of mounting fixings with angle adjustment for flexible and easy installation.
- Impact and vibration resistant.
- Choice of lenses.
- Heavy duty anti-corrosion powder coated aluminium housing.
- All external components made from 304 stainless steel
- Meanwell Driver with built in surge protection.
- 5 Year warranty.
- ATEX Certified Zones 1 and 2, 21 and 22, Certified by Eurofins product testing, Italy.

Application



LM79
LM84

Technical Specification

Description: BC9306 Series LED Hazardous Area Platform/Floodlight Recommended Product Location: Hazardous areas

PRODUCT DETAILS	
Ex mark	Ex db e IIC T6/T5/T4 Gb, Ex tb IIIC T80°C T 130° Db
Voltage	90-264 VAC 50/60Hz
IP Rating	IP66
Typical Lumens per watt	160lm/W
Colour Rendering	>0.70 (>80 available special order)
LED Module	CITIZEN
Beam angle	18°/40°/60°/80°/100°/200°/60°*80°/90°*110°
Operating Temperature	-50°C to +40°C/+55°C
Colour Temperature	5000k (4000k & 6000k available special order)
Power Factor	>0.95
Dimming Control	Special order
Driver	Meanwell(30W~60W)/ Inventronics(80W)
Dimension	240x180mm/245*260*270(including bracket)
Warranty	5 Year Repair / Replace Warranty
Cable Entry	M20×1.5,M25×1.5(P type/S type); G3/4",NPT1/2",NPT3/4"(P type)
Terminals	Multi core: ≤2.5mm ² Single core: ≤4mm ²
Net Weight	4.2KGS/ 4.9KGS(Including Bracket)

PRODUCT OPTIONS	
Occupancy Sensor	N/A
Light level sensor	N/A
Remote Programmable Sensor	N/A
High borosilicate glass front	Fitted as standard
RGB	N/A
18~43VAC/18~55VDC	25w, 40w, 60w
Emergency	25w, 15w
Fixed Bracket Mounting	Optional

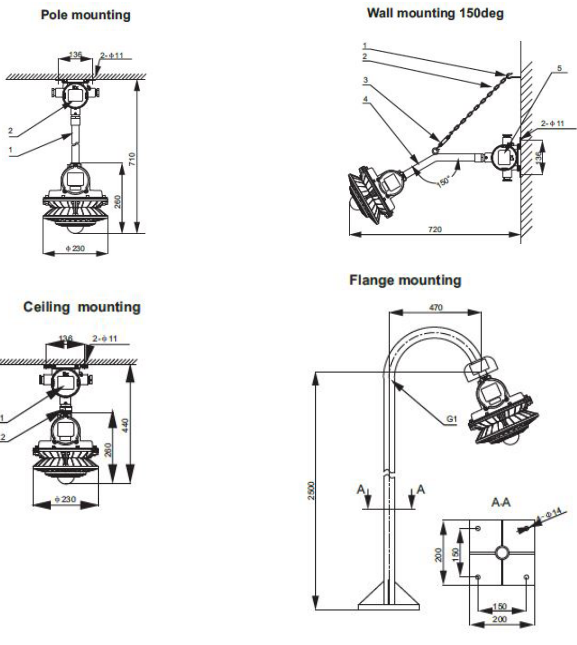
Ambient Temperature / Temperature Group

Circuit Watts	TA ≤40°C	TA ≤55°C
30w	/	T6
40w	T6	T5
50w	T6	T5
60w	T6	T5
80w	T5	T4

Performance Chart

LED POWER	CIRCUIT WATTS	TYPICAL LUMENS
27.90w	30w	4800lm
37.20w	40w	6400lm
46.50w	50w	8000lm
55.80w	60w	9600lm
74.40W	80W	12800lm

Diagram of BC9306 series P type (without bracket)



Technical Specification

Description: BC9306 Series LED Hazardous Area Platform/Floodlight Recommended Product Location: Hazardous areas

Diagram of BC9306 series S type

(within bracket)

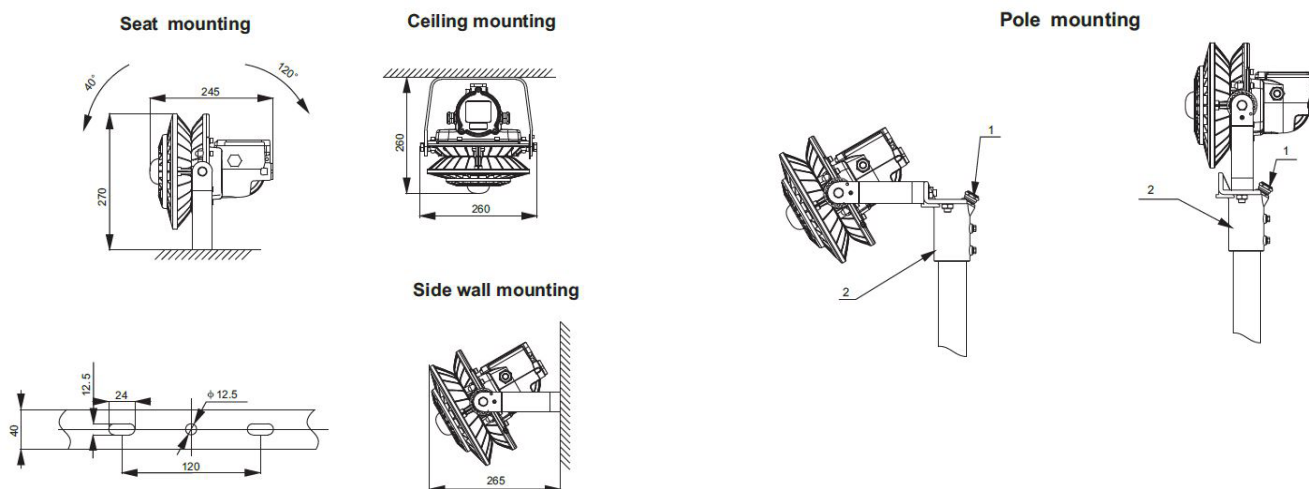
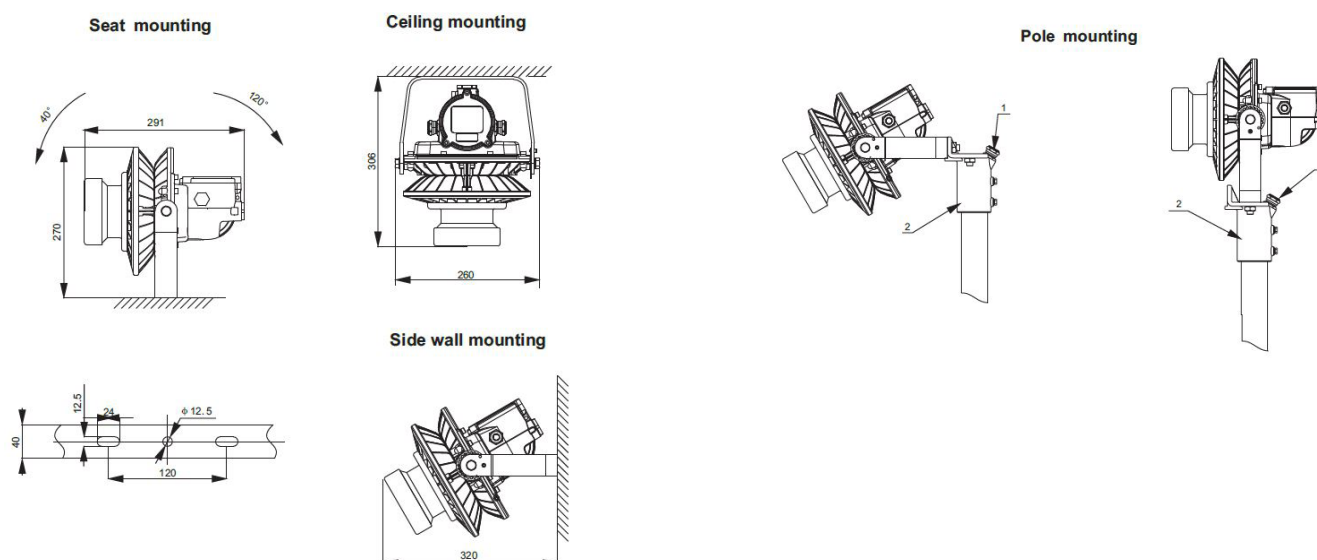


Diagram of BC9306 series S type with Spotlight lens

(within bracket)

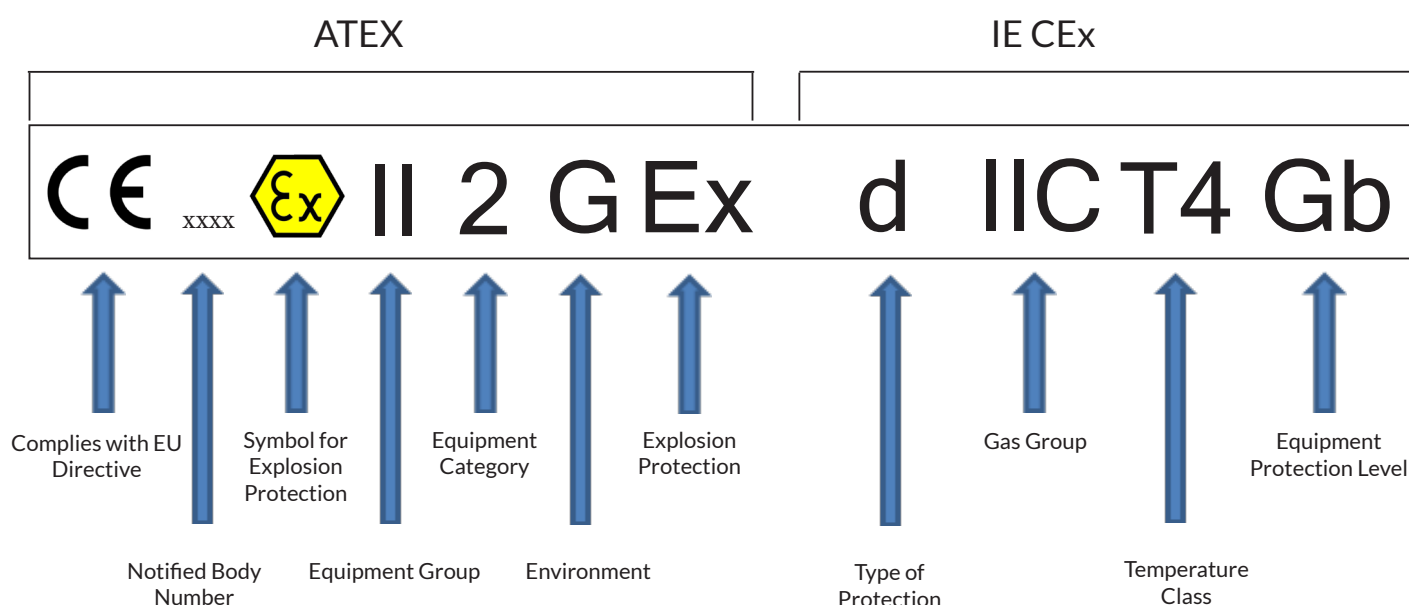
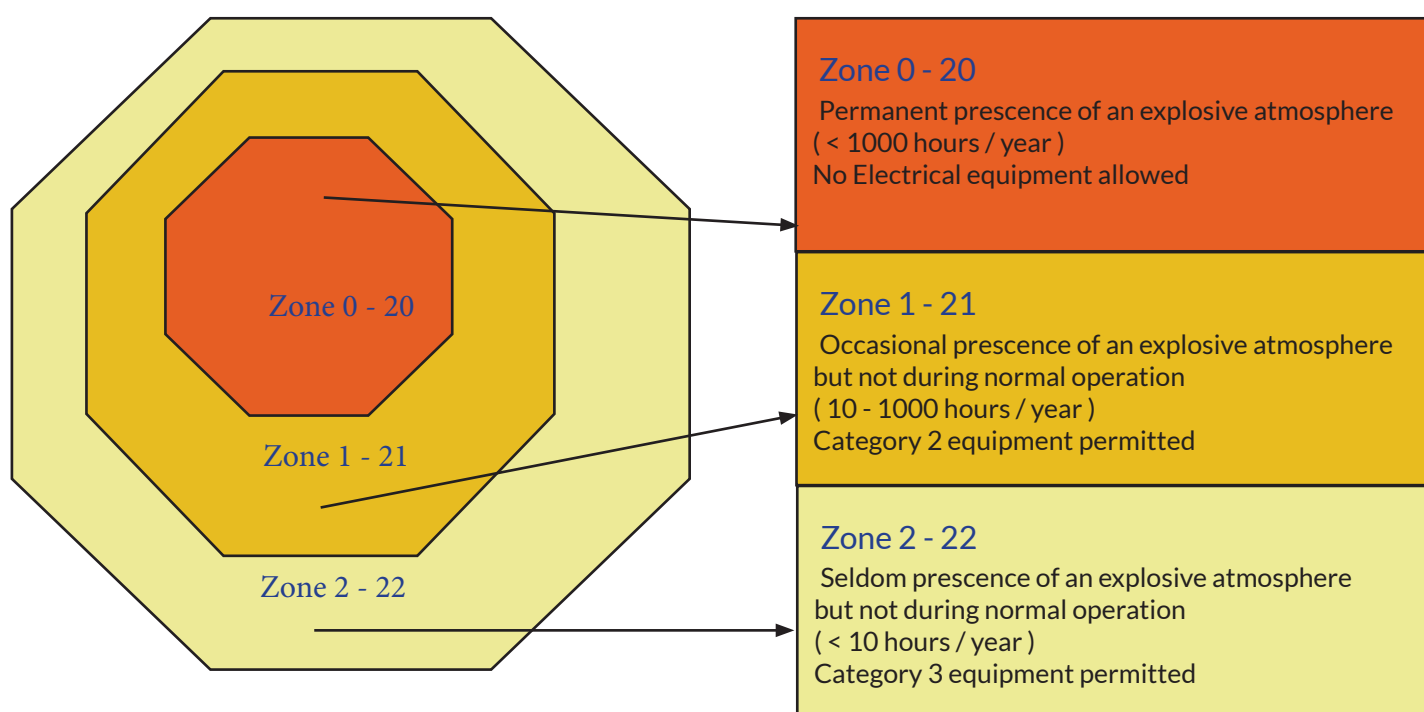


The Tormin BC9306 is covered by our 5 Year repair/replace Warranty. Warranty upgrade packages available.
UK purchases, warranty handled through Carbon8Lighting.

ATEX is the industry recognised European certification that is applied to hazardous area equipment and Carbon8 offers the full range of Tormin ATEX Certified LED light fittings.

Tormin's range of Hazardous Area LED fittings are designed specifically to replace older technology based lighting. Its high luminous Flux, instant illumination, light weight design and versatile mounting options make it ideal for almost any Hazardous Area applications, both indoors and outdoors.

The Tormin range boasts a number of products with the following ATEX and IECEx certificates: Group IIA, IIB, IIC; Zone 1, Zone2; Zone 21, Zone 22; Temperature class: T1 to T6 field Hazardous Area Zones.



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BC9307 Series LED Hazardous Area Light

Spec Sheet

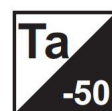
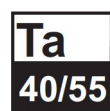
Overview

The Tormin BC9307 Series LED Hazardous Area Light is designed to be used in a wide range of internal and exterior hazardous areas, as well as in the harshest weather conditions, making it a highly versatile high bay /floodlight light fitting.

Features & Benefits

- High efficacy CITIZEN LED Light Source.
- Suitable for operation in low and high temperature environments.
- Suitable for corrosive environments.
- Choice of mounting fixings with angle adjustment for flexible and easy installation.
- Impact and vibration resistant.
- Choice of lenses.
- Heavy duty anti-corrosion powder coated aluminium housing.
- All external components made from 304 stainless steel.
- Meanwell / Inventronics Driver with built in surge protection.
- 5 Year warranty.
- ATEX Certified Zones 1 and 2, 21 and 22, Certified by Eurofins product testing, Italy.

Application



RoHS

LM79
LM84

Technical Specification

Description: BC9307 Series LED Hazardous Area Light

Recommended Product Location: Hazardous areas

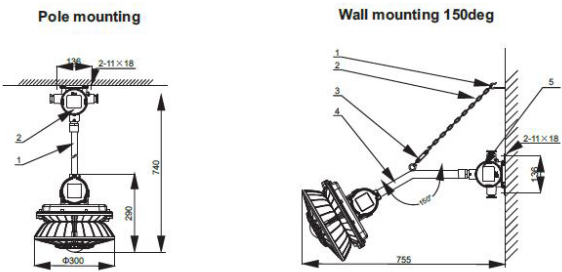
PRODUCT DETAILS	
Ex mark	Ex db e IIC T4/T3 Gb, Ex tb IIIC T130°C/T 195° Db
Voltage	90-264 VAC 50/60Hz
IP Rating	IP66
Typical Lumens per watt	160lm/W
Colour Rendering	>0.70 (>80 available special order)
LED Module	CITIZEN
Beam angle	18°/25°/40°/60°/80°/100°/200°/60°*80°/90° *110°
Operating Temperature	-50°C to +40°C/+55°C
Colour Temperature	5000k (4000k & 6000k available special order)
Power Factor	>0.95
Dimming Control	Special order
Driver	Meanwell(100W~150W)/ Inventronics(200W/240W)
Dimension	300*290mm/295*330*350(including bracket)
Warranty	5 Year Repair / Replace Warranty
Cable Entry	M20×1.5,M25×1.5(P type/S type); G3/4",NPT1/2",NPT3/4"(P type)
Terminals	Multi core: ≤4mm² Single core: ≤6mm²
Net Weight	6.4KGS/ 7.5KGS(Including Bracket)

PRODUCT OPTIONS	
Occupancy Sensor	N/A
Light level sensor	N/A
Remote Programmable Sensor	N/A
High borosilicate glass front	Fitted as standard
RGB	N/A
18~43VAC/18~55VDC	N/A
Emergency	N/A
Fixed Bracket Mounting	Optional

Ambient Temperature / Temperature Group

Circuit Watts	TA ≤40°C	TA ≤55°C
100w	T4	T4
120w	T4	T3
150w	T4	T3
200w	/	T3
240w	/	T3

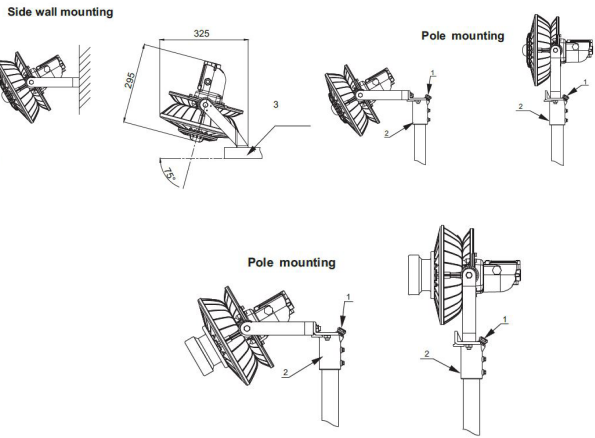
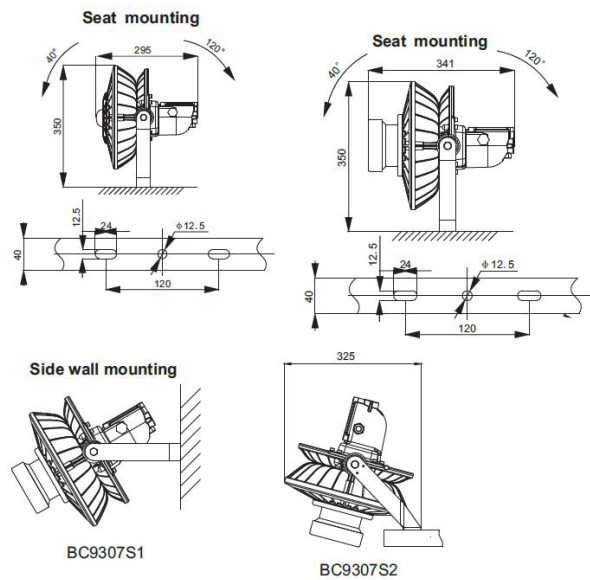
Diagram of BC9307 series P type (without bracket)



Performance Chart

LED POWER	CIRCUIT WATTS	TYPICAL LUMENS
93.00w	100w	16000lm
111.60w	120w	19200lm
139.50w	150w	24000lm
186.00w	200w	32000lm
223.20w	240w	38400lm

Diagram of BC9307 series S type (within bracket)



The Tormin BC9307 is covered by our 5 Year repair/replace Warranty. Warranty upgrade packages available. UK purchases, warranty handled through Carbon8Lighting.



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BC9309 Series LED Hazardous Area Light

Spec Sheet

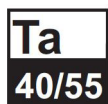
Overview

The Tormin BC9309 Series LED Hazardous Area Light is designed to be used in a wide range of internal and exterior hazardous areas, as well as in the harshest weather conditions, making it a highly versatile high bay /floodlight light fitting.

Features & Benefits

- High efficacy CITIZEN LED Light Source.
- Suitable for operation in low and high temperature environments.
- Suitable for corrosive environments.
- Choice of mounting fixings with angle adjustment for flexible and easy installation.
- Impact and vibration resistant.
- Choice of lenses.
- Heavy duty anti-corrosion powder coated aluminium housing.
- All external components made from 304 stainless steel.
- Meanwell / Inventronics Driver with built in surge protection.
- 5 Year warranty.
- ATEX Certified Zones 1 and 2, 21 and 22, Certified by Eurofins product testing, Italy.

Application



Technical Specification

Description: BC9309 Series LED Hazardous Area Light

Recommended Product Location: Hazardous areas

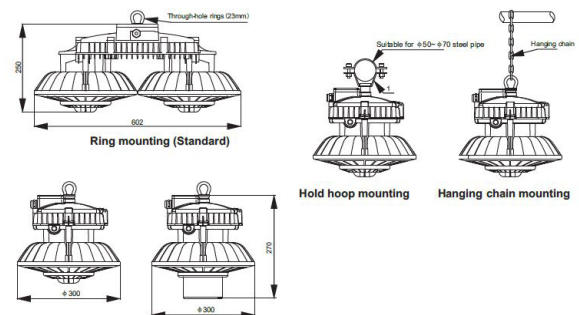
PRODUCT DETAILS	
Ex mark	Ex nR IIC T4/T3 Gc, Ex tb IIIC T130°C/T 195° Db
Voltage	100-277 VAC 50/60Hz
IP Rating	IP66
Typical Lumens per watt	160lm/W
Colour Rendering	>0.70
LED Module	CITIZEN
Beam angle	18°/25°/40°/60°/80°/100°/60°*80°/90°*110°
Operating Temperature	-40°C to +55°C
Colour Temperature	5000k (4000k & 6000k available special order)
Power Factor	>0.95
Dimming Control	0-10V Standard (DALI available special order)
Driver	Meanwell
Dimension	602*300*250mm/ 602*340*250mm (Including bracket)
Warranty	5 Year Repair / Replace Warranty
Cable Entry	M20×1.5,M25×1.5(P type/S type); G3/4",NPT1/2",NPT3/4"(P type)
Terminals	Multi core: ≤4mm ² Single core: ≤6mm ²
Net Weight	11.2KGS/ 13KGS(Including Bracket)

PRODUCT OPTIONS	
Occupancy Sensor	N/A
Light level sensor	N/A
Remote Programmable Sensor	N/A
High borosilicate glass front	Fitted as standard
RGB	N/A
18~43VAC/18~55VDC	N/A
Emergency	N/A
Fixed Bracket Mounting	Optional

Ambient Temperature / Temperature Group

Circuit Watts	TA ≤40°C	TA ≤55°C
240w	T4	T3
300w	T4	T3
360w	/	T3
400w	/	T3
480w	/	T3

Diagram of BC9309 series P type (without bracket)



Performance Chart

LED POWER	CIRCUIT WATTS	TYPICAL LUMENS
223.20w	240w	38400lm
279.00w	300w	48000lm
334.80w	360w	57600lm
372.00w	400w	64000lm
446.40w	480w	76800lm

Diagram of BC9309 series S type (within bracket)

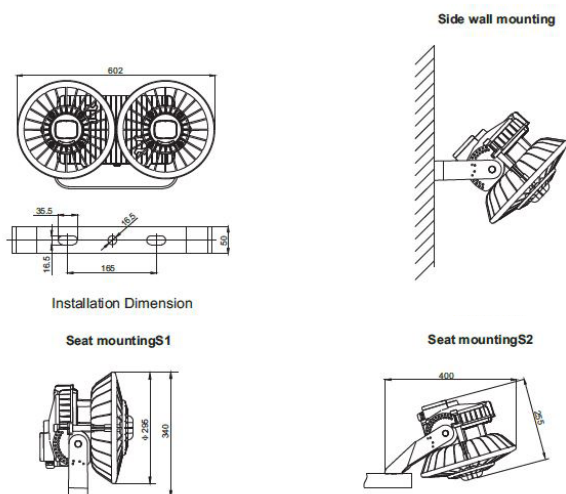
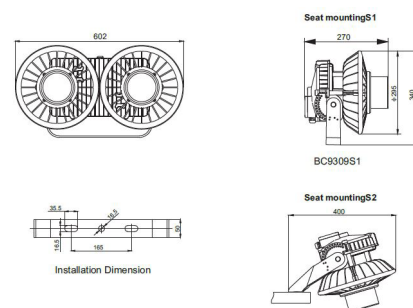


Diagram of BC9309 series S type (within bracket)



The Tormin BC9309 is covered by our 5 Year repair/replace Warranty. Warranty upgrade packages available. UK purchases, warranty handled through Carbon8Lighting.



CARBON8
LIGHTING

TORMIN®

BC5401 LED Hazardous Area Light T8 (With Emergency Option)

Spec Sheet

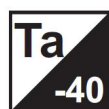
Overview

The Tormin BC5401 LED Hazardous Area Light T8 (With Emergency Option) is a highly versatile LED fitting/emergency fitting that can be used in a wide range of internal and exterior hazardous areas, as an alternative or replacement for less efficient and reliable fluorescent light fittings. The rugged design makes the BC5401 ideal for harshest conditions, both outside and indoors.

Features & Benefits

- High efficacy LED light source replaces fluorescent light fittings.
- Suitable for operation in low and high temperature environments.
- Suitable for operation in corrosive environments.
- Choice of ceiling, wall or pole fixing.
- Impact and vibration resistant.
- Option of maintained emergency fitting.
- 5 Year warranty.
- ATEX Zones 1 and 2, 21 and 22, Certified by Eurofins product testing, Italy.

Application



RoHS

Technical Specification

Description: BC5401 LED Hazardous Area Light T8

Recommended Product Location: Hazardous areas

PRODUCT DETAILS	
Ex mark	Ex de op is IIC T5 Gb, Ex op is tb IIIC T95°C Db, IP66
Voltage	90-264 VAC 50/60Hz
IP Rating	IP66
Typical Lumens per watt	100lm/W
Colour Rendering	>0.80
Beam angle	120°
Operating Temperature	-40°C to +55°C
Colour Temperature	5000k (4000k & 6000k available special order)
Power Factor	0.95
Driver	/
Dimension	139X180X110mm(40W)/ 780X180X110(20W)
Warranty	5 Year Repair / Replace Warranty
Cable Entry	M20×1.5,M25×1.5, G3/4",NPT1/2",NPT3/4"
Terminals	Multi core: ≤2.5mm ² Single core: ≤4mm ²
Net Weight	10.7KGS(40w)/ 6.6KGS(20w)

PRODUCT OPTIONS	
Occupancy Sensor	N/A
Light level sensor	N/A
Remote Programmable Sensor	N/A
High borosilicate glass front	Fitted as standard
RGB	N/A
18~43VAC/18~55VDC	N/A
Emergency	20W,10W (With extra emergency box)
Fixed Bracket Mounting	✓

Ambient Temperature / Temperature Group

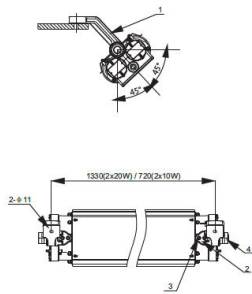
Circuit Watts	TA ≤55°C
20w	T5
40w	T5

Performance Chart

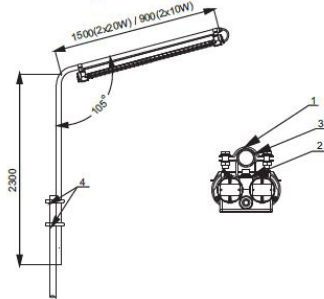
LED POWER	CIRCUIT WATTS	TYPICAL LUMENS
20w	20w	2000lm
40w	40w	4000lm

Diagram of BC5401

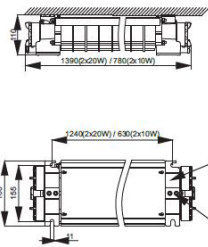
Derrick mounting



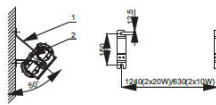
Pole mounting



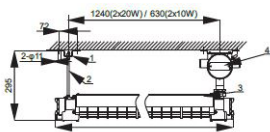
Ceiling mounting



Side wall mounting



Ceiling mounting 2



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CARBON8
LIGHTING

TORMIN®

BC4200 Series Hazardous Area Exit Light

Spec Sheet

Overview

The Tormin BC4200 Exit Light is a maintained exit sign suitable for interior and exterior installation and is offered with a choice of signage, with or without direction indication arrows.

Features & Benefits

- Maintained Illuminated Exit sign with emergency switch over (Please enquire about emergency option.)
- Integrated LED Indicator.
- Suitable for operation in low and high temperature environments.
- Suitable for corrosive environments.
- Choice of mounting fixings with angle adjustment for flexible and easy installation.
- Impact and vibration resistant.
- 5 Year warranty.

Application



Technical Specification

Description: BC4200 Series Hazardous Area Exit Light

Recommended Product Location: Hazardous areas

PRODUCT DETAILS	
Ex mark	Ex db e IIC T6 Gb, Ex tb IIIC T80°C Db, IP66
Voltage	100-240 VAC 50/60Hz
IP Rating	IP66
Typical Lumens per watt	150lm/W
Colour Rendering	>0.70
LED Module	LUMILEDS
Beam angle	/
Operating Temperature	-20°C to +40°C
Colour Temperature	5000k
Power Factor	>0.95
Driver	/
Dimension	374x165x65.5mm
Warranty	5 Year Repair / Replace Warranty
Cable Entry	G3/4"
Dimming Control	/
Net Weight	3.3KG'S

PRODUCT OPTIONS	
Occupancy Sensor	N/A
Light level sensor	N/A
Remote Programmable Sensor	N/A
High borosilicate glass front	Fitted as standard
RGB	N/A
18~43VAC/18~55VDC	N/A
Emergency	1W
Fixed Bracket Mounting	✓

Ambient Temperature / Temperature Group

Circuit Watts	TA ≤55°C
/	T6

Performance Chart

LED POWER	CIRCUIT WATTS	TYPICAL LUMENS
2.64w	3w	450lm
EMERGENCY WATTS	EMERGENCY	
40w	120min	

Optional sign types

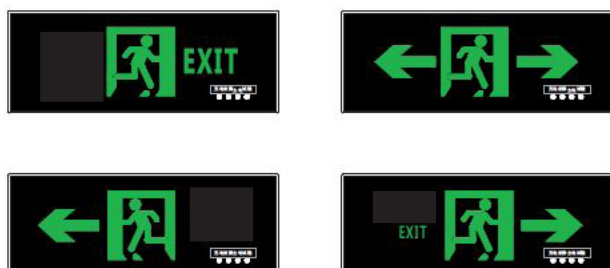
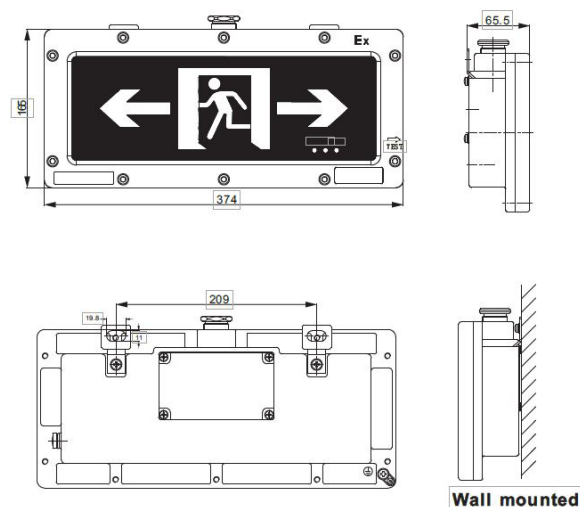


Diagram of BC4200



The Tormin BC4200 is covered by our 5 Year repair/replace Warranty. Warranty upgrade packages available.
UK purchases, warranty handled through Carbon8Lighting.



CARBON8
LIGHTING

TORMIN®

BC5200 Series LED Hazardous Area Emergency Light

Spec Sheet

Overview

The Tormin BC5200 Series Hazardous Area Emergency Light is mainly used as an emergency channel mark in the event of a power failure and is suitable for use in a multitude of harsh environments. (Please enquire for Emergency option)

Features & Benefits

- Made of aluminium alloy shell, IP66 rated.
- Suitable in corrosive environments.
- The circuit board is equipped with an emergency device with terminals for wiring.
- The cable is connected to the terminal through the lead-in device.
- Flexible and easy install.
- ATEX Certified zones 1 & zone 2, zone 21 & zone 22, Certified by Eurofins product testing, Italy.
- 5 year warranty.

Application



Technical Specification

Description: BC5200 Series LED Hazardous Area Emergency Light Recommended Product Location: Hazardous areas

PRODUCT DETAILS	
Ex mark	Ex db ib IIC T6 Gb, Ex tb IIIC T80°C Db, IP66
Voltage	100-240 VAC 50/60Hz
IP Rating	IP66
Typical Lumens per watt	150lm/W
Colour Rendering	>0.70
LED Module	/
Beam angle	/
Operating Temperature	-20°C to +40°C
Colour Temperature	5000k
Power Factor	>0.95
Driver	/
Dimension	255x260x100mm
Warranty	5 Year Repair / Replace Warranty
Cable Entry	G3/4"
Dimming Control	/
Net Weight	3.0KG'S

PRODUCT OPTIONS	
Occupancy Sensor	N/A
Light level sensor	N/A
Remote Programmable Sensor	N/A
High borosilicate glass front	Fitted as standard
RGB	N/A
18~43VAC/18~55VDC	N/A
Emergency	2 x .51w
Fixed Bracket Mounting	✓

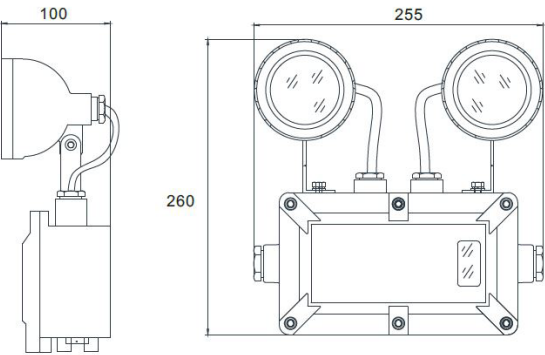
Ambient Temperature
/ Temperature Group

Circuit Watts	TA ≤55°C
/	T6

Performance Chart

LED POWER	CIRCUIT WATTS	TYPICAL LUMENS
2 x 1.5w	2 x 3w	900lm
EMERGENCY WATTS	EMERGENCY	
2 x 1.5w	90min	

Diagram of BC5200



The Tormin BC5200 is covered by our 5 Year repair/replace Warranty. Warranty upgrade packages available.
UK purchases, warranty handled through Carbon8Lighting.



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LIGHTING

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BC5402A Series LED Hazardous Area Light

Spec Sheet

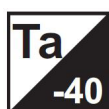
Overview

Designed primarily for maritime use, The Tormin BC5402A Hazardous area LED is suitable for dangerous gas areas and other hazardous areas.

Features & Benefits

- Seawater resistant anodized aluminium housing.
- Suitable for internal and external use.
- Independent junction box design, convenient wiring, can be used in parallel with multiple luminaires.
- Exposed fasteners are all made of 304 stainless steel (Ocean platforms require custom 316 stainless steel).
- For use in ATEX zones 1 & zone 2, zone 21 & zone 22, Certified by Eurofins product testing, Italy.
- 5 year warranty.

Application



Technical Specification

Description: BC5402A Series LED Hazardous Area

PRODUCT DETAILS	
Ex mark	Ex eb me op is IIC T6/T5/T4 Gb, Ex tb op is IIIC T80°C/T95°C/T130°C Db,
Voltage	108-264 VAC(20W~60W)/185-264VAC(80W) 50/60Hz
IP Rating	IP66
Typical Lumens per watt	155lm/W
Colour Rendering	>0.70
LED Module	lumileds
Beam angle	/
Operating Temperature	-40°C to +40°C/+55°C
Colour Temperature	5000k (4000k & 6000k available special order)
Power Factor	>0.92
Driver	N/A
Dimension	700*182*68mm(20W/30W/40W); 1150*182*68mm(60W/80W)
Warranty	5 Year Repair / Replace Warranty
Number of Cable Inlets	1~2;(3~4 optional)
Screw Thread of Cable Inlets	M20*1.5, M25*1.5, NPT1/2", NPT3/4"
Net Weight	3.2KGS(20W/30W/40W); 4.5KGS(60W);4.7KGS(80W)

Recommended Product Location: Hazardous areas

PRODUCT OPTIONS	
Occupancy Sensor	N/A
Light level sensor	N/A
Remote Programmable Sensor	N/A
High borosilicate glass front	Fitted as standard
RGB	N/A
18~43VAC/18~55VDC	N/A
Emergency	25w. 15w
Fixed Bracket Mounting	✓

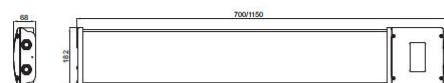
Ambient Temperature / Temperature Group

Circuit Watts	TA ≤40°C	TA ≤55°C
20W	T6	T5
30W	T6	T5
40W	T6	T5
60W	T6	T4
80W	T4	T4

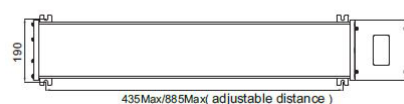
Performance Chart

LED POWER	CIRCUIT WATTS	TYPICAL LUMENS
17.60w	20w	3100lm
26.40w	30w	4650lm
35.20w	40w	6200lm
52.80w	60w	9300lm
70.40w	80w	12400lm

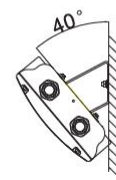
Diagram of BC5402



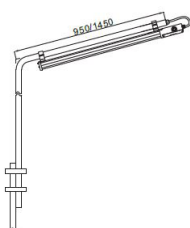
1. Bracket mounting(Standard)



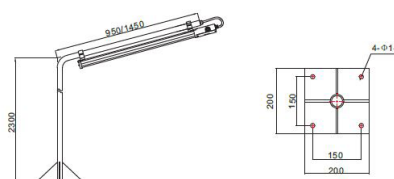
2. Side wall mounting (40 degree)



3. Guardrail installation



4. Flange mounting



The Tormin BC5402A is covered by our 5 Year repair/replace Warranty. Warranty upgrade packages available. UK purchases, warranty handled through Carbon8Lighting.



CARBON8
LIGHTING

TORMIN®

BC5402B Series LED Hazardous Area Light

Spec Sheet

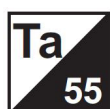
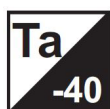
Overview

The Tormin BC5402B is an ATEX Zone 2 certified light fitting suitable for a multitude of hazardous areas.

Features & Benefits

- Seawater resistant anodized aluminium housing.
- Flexible light exit cover, soft and comfortable light.
- Outdoor light diffusion material translucent cover, strong weather resistance.
- Independent junction box design which can be used in parallel with multiple luminaires.
- Exposed fasteners are all made of 304 stainless steel (Ocean platforms require custom 316 stainless steel).
- ATEX Certified zones 2 & zone 22, Certified by Eurofins product testing, Italy.
- 5 Year warranty.

Application



Technical Specification

Description: BC5402B Series LED Hazardous Area Light

Recommended Product Location: Hazardous areas

PRODUCT DETAILS	
Ex mark	Ex eb me op is IIC T6/T5/T4 Gb, Ex tb op is IIIC T80°C/T95°C/T130°C Db,
Voltage	108-264 VAC(20W~60W)/185-264VAC(80W) 50/60Hz
IP Rating	IP66
Typical Lumens per watt	155lm/W
Colour Rendering	>0.70
LED Module	lumileds
Beam angle	/
Operating Temperature	-40°C to +40°C/+55°C
Colour Temperature	5000k (4000k & 6000k available special order)
Power Factor	>0.92
Driver	N/A
Dimension	700*182*68mm(20W/30W/40W); 1150*182*68mm(60W/80W)
Warranty	5 Year Repair / Replace Warranty
Number of Cable Inlets	1~2;(3~4 optional)
Screw Thread of Cable Inlets	M20*1.5, M25*1.5, NPT1/2", NPT3/4"
Net Weight	3.2KGS(20W/30W/40W); 4.5KGS(60W);4.7KGS(80W)

PRODUCT OPTIONS	
Occupancy Sensor	N/A
Light level sensor	N/A
Remote Programmable Sensor	N/A
High borosilicate glass front	Fitted as standard
RGB	N/A
18~43VAC/18~55VDC	N/A
Emergency	25w. 15w
Fixed Bracket Mounting	✓

Ambient Temperature / Temperature Group

Circuit Watts	TA ≤40°C	TA ≤55°C
20W	T6	T5
30W	T6	T5
40W	T6	T5
60W	T6	T4
80W	T4	T4

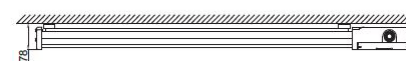
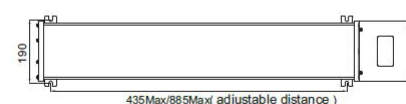
Performance Chart

LED POWER	CIRCUIT WATTS	TYPICAL LUMENS
17.60w	20w	3100lm
26.40w	30w	4650lm
35.20w	40w	6200lm
52.80w	60w	9300lm
70.40w	80w	12400lm

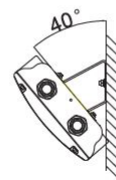
Diagram of BC5402



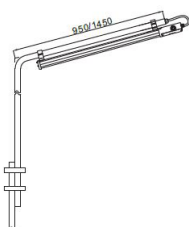
1. Bracket mounting(Standard)



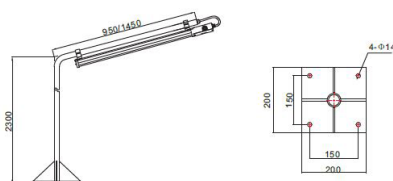
2. Side wall mounting (40 degree)



3. Guardrail installation



4. Flange mounting



The Tormin BC5402B is covered by our 5 Year repair/replace Warranty. Warranty upgrade packages available. UK purchases, warranty handled through Carbon8Lighting.



BHD01



BHD02

CARBON8
LIGHTING

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BHD Series Hazardous Area Junction Box

Spec Sheet

Overview

The Tormin BHD junction box and mounting element is suitable for use with lighting equipment installed in almost any hazardous area.

Features & Benefits

- The junction box is light weight and easy to install.
- Anti-corrosive coating.
- ATEX Certified zone 1, zone 21, zone 2 & zone 22, Certified by Eurofins product testing, Italy.
- 5 year warranty.

Application



Technical Specification

Description: BHD Series Hazardous Area Junction Box

PRODUCT DETAILS	
Ex mark	Ex db IIC T6 Gb, Ex tb IIIC T80°C Db IP66,
Voltage	≤VAC 50/60Hz
IP Rating	IP66
Typical Lumens per watt	N/A
Colour Rendering	N/A
LED Module	N/A
Beam angle	N/A
Operating Temperature	-50°C/+60°C
Colour Temperature	N/A
Power Factor	N/A
Driver	N/A
Dimension	185*185*75mm(BHD01A/B); 116*116*75mm(BHD02)
Warranty	5 Year Repair / Replace Warranty
Number of Cable Inlets	1~3(BHD01A/B);1~4(BHD02)
Screw Thread of Cable Inlets	G3/4"(BHD01A); M20*1.5, M25*1.5, NPT1/2", NPT3/4" (BHD01B/BHD02)
Net Weight	1.2KGS(BHD01A/B); 0.8KGS(BHD02)

Recommended Product Location: Hazardous areas

PRODUCT OPTIONS	
Occupancy Sensor	N/A
Light level sensor	N/A
Remote Programmable Sensor	N/A
High borosilicate glass front	Fitted as standard
RGB	N/A
18~43VAC/18~55VDC	✓
Emergency	N/A
Fixed Bracket Mounting	✓

Ambient Temperature / Temperature Group

Circuit Watts	TA ≤40°C
N/A	T6

Cable Entry

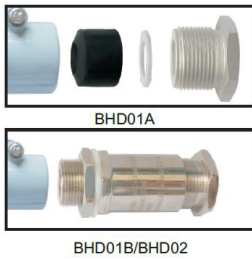
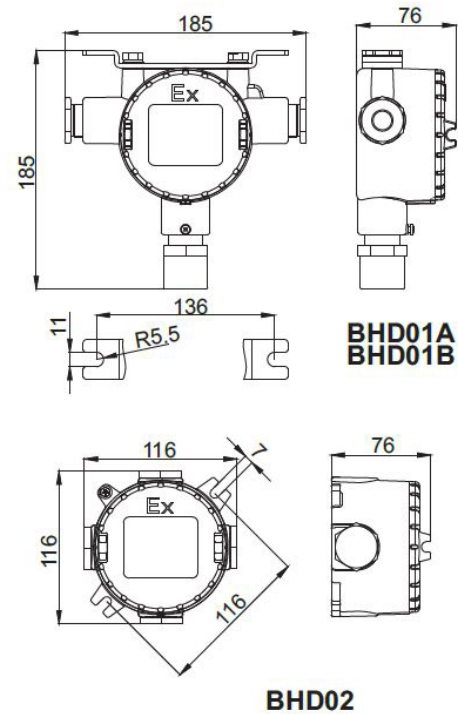
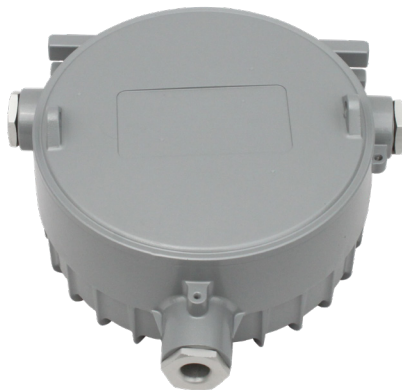


Diagram of BHD series



The Tormin BHD series is covered by our 5 Year repair/replace Warranty. Warranty upgrade packages available. UK purchases, warranty handled through Carbon8Lighting.



CARBON8
LIGHTING

TORMIN®

BXP01 Series Hazardous Area Power Supply Box

Spec Sheet

Overview

The Tormin BXP01 is an incredibly flexible product ideal for use in almost any hazardous area.

Features & Benefits

- The junction box is compact, lightweight and easy to install.
- Anti-corrosive coating.
- ATEX Certified zone 1, zone 21, zone 2 & zone 22, Certified by Eurofins product testing, Italy.
- 5 year warranty.

Application



Technical Specification

Description: BXP01 Series Hazardous Area Power Supply Box

Recommended Product Location: Hazardous areas

PRODUCT DETAILS	
Ex mark	Ex d IIC T6 Gb, Ex tb IIIC T80°C Db IP66,
Voltage	20-264VAC 50/60Hz
IP Rating	IP66
Typical Lumens per watt	N/A
Colour Rendering	N/A
LED Module	N/A
Beam angle	N/A
Operating Temperature	-25°C/+55°C
Colour Temperature	N/A
Power Factor	N/A
Driver	N/A
Dimension	238*222*106mm
Warranty	5 Year Repair / Replace Warranty
Number of Cable Inlets	1~3
Screw Thread of Cable Inlets	G3/4" M20*1.5, M25*1.5, NPT1/2", NPT3/4"
Net Weight	2.9 KGS

PRODUCT OPTIONS	
Occupancy Sensor	N/A
Light level sensor	N/A
Remote Programmable Sensor	N/A
High borosilicate glass front	N/A
RGB	N/A
18~43VAC/18~55VDC	N/A
Emergency	10w, 20w , 30w
Fixed Bracket Mounting	√

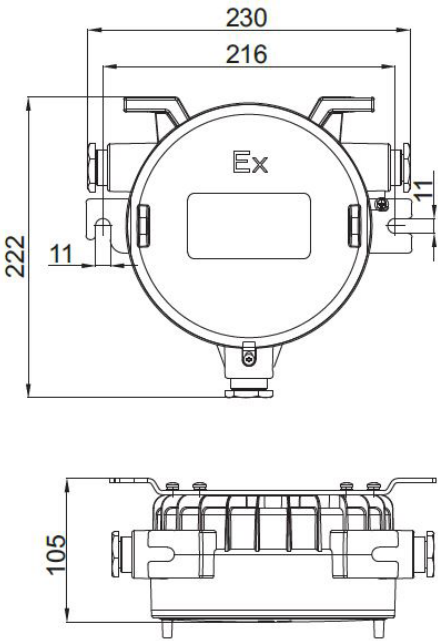
Ambient Temperature / Temperature Group

Circuit Watts	TA ≤55°C
N/A	T6

Performance Chart

RATED WATTS	EMERGENCY DURATION
10 w	180 min
20 w	90 min
30 w	60 min

Diagram of BXP01 series



The Tormin BXP01 series is covered by our 5 Year repair/replace Warranty. Warranty upgrade packages available. UK purchases, warranty handled through Carbon8Lighting.



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