



**Dextra**  
GROUP PLC

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Light is  
a choice.  
Make yours with

**Dexeco**  
SOLUTIONS

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## Intelligent Lighting for Intelligent Businesses

Dexeco Ltd. offer a versatile product range using the latest LED and fluorescent technologies, allowing us to create unique and bespoke solutions suitable for any number of applications; warehouse, cold store and railways to name but a few.

Our in house designed and manufactured range of sensors are engineered to work exclusively with our lighting products. Every product we build incorporates bespoke sensor technology and is designed with specific applications in mind, enabling maximum energy savings from any given environment.

Working with the railways for many years, Dexeco have recently introduced and gained acceptance with LED technology across stations, platforms, car parks, MDU's and depots.



Southwest Trains



Southeastern Rail



Northern Rail



Network Rail

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# Impervia LED Column

Open Platforms  
Car Parks  
Sidings  
Depots/MDUs  
Approach Roads



**The Dexeco Impervia LED Column is now available with our latest L3 LED card allowing us to offer improvements in the output, efficiency and control.**

The L3 card also allows us to offer up to 13,300 lumens with constant lumen output (CLO) whereby the driver adjusts output over lifetime to maintain the output of the source eliminating lumen depreciation. The L3 LED card is also designed to incorporate a lens over each LED on the card ensuring excellent light control. A range of lens options are available giving asymmetric distribution for roadway applications, as well as wide and narrow distributions.

The L3 LED card has been designed in conjunction with Philips and is unique to Dexeco allowing us to offer a high quality European manufactured source and driver with 5 year warranty. This functionality is combined with our unique R11 sensor providing presence detection and ground level remote control. This combination of features allows us to produce one of the most versatile and energy efficient column top luminaires available on the market today.

We also offer the column top in two other sources, Philips LLM module and our bespoke L2 card developed in conjunction with Philips. Both these sources utilise traditional reflector design offering symmetric distribution with the same sensor control and constant lumen output features available with our L3 offering.

# Eco Impervia LED

Under Canopy  
Bike Shelters  
Depots/MDUs



**Our Eco Impervia LED range offers a wide range of lumen outputs, diffuser choices and sensor controls to allow this product to be specified in multiple applications.**

All products in the Eco Impervia LED range incorporate the latest Lumileds LEDs as well as Philips and Tridonic control gear providing excellent efficiency and a 5 year warranty.

In order to maximise your savings and return on investment these luminaires can be offered with integral microwave sensor or diffuser mounted passive infra-red presence and daylight regulation sensor. The diffuser mounted Reacta 44 brings the additional benefit of simple ground level remote control programming and additional functionality.

All products in the Eco Impervia range are ideally suited to applications where protection from dust and water ingress is critical and where the client demands the benefits LED brings of excellent energy efficiency and minimal maintenance.



# Tanek

Under Canopy  
Bridges  
Subways  
Car Parks  
Pit Lighting



The Tanek range of luminaires is designed for use in areas where there is a high risk of vandalism. Designed with an extremely robust 1.2mm gauge Zintec body with an all weather coating, the Tanek is ideal for a wide range of applications where impact resistance is critical. Both housing and diffuser are designed to provide long service in the field and withstand impacts up to IK10.

All Tanek luminaires are supplied with tamper resistant diffuser fixings to minimise the risk of vandalism and are supplied with our 5 year warranty to ensure peace of mind.

The Tanek has been designed to provide flexibility without compromising strength, offering 1200mm and 1500mm housings, twin and single lamp T5 lamp or LED options, white or black bodies and frosted or opal diffusers, all of which can be combined to produce the luminaire of your choice.

# ProLED

Depots  
High Level Terminal



The ProLED is available in both IP20 variants, where a covered luminaire is required for ease of cleaning, and IP65 variants where complete protection is required from dust and water.

With a range of integral sensor options and highly efficient Lumileds LEDs and Philips/Tridonic drivers the ProLED offers excellent return on investment in a range of arduous applications such as food production, manufacturing, depots and high level terminal. The ProLED is also offered with our constant lumen output function which gradually increases the power output of the driver over its lifetime, offsetting lumen depreciation and ensuring that schemes can be calculated with minimal maintenance factors. With two sensor options, the R11 sensor offering presence and the R44 sensor offering both presence detection and daylight regulation, wide and narrow detection patterns and mounting heights of 2.5m to 16m depending on the sensor type, the ProLED can be tailored to ensure the most effective solution possible for your project. With an integral sensor in each luminaire there is no need to modify external wiring allowing for rapid and low cost installation.

All sensor options in the ProLED range are compatible with the Dexeco REA-A controller offering simple ground level programming allowing for quick and simple reconfiguration of sensors when required.



# Verteco LED

Depots  
High Level Terminal



**The Verteco LED allows us to offer all of the unique features found on the Verteco fluorescent combined with improved energy efficiency and low maintenance.**

Although commonly used in warehouses and storage facilities the Verteco is suitable for a wide range of industrial and manufacturing applications. The Verteco LED uses an array of mid power chips behind high transmission diffusers to ensure that visual discomfort is minimised whilst maintaining excellent optical control and light output ratio.

Our highly efficient LED lighting array uses the latest Lumileds chip powered by the Philips outdoor driver range. This combination provides a range of lumen outputs and our constant lumen output feature eliminating lumen depreciation of the source over the lifetime of the luminaire further reducing the need for maintenance. All Verteco LED luminaires are available with our bespoke Reacta 14 sensor combining presence detection, daylight regulation and remote control programming providing simple commissioning of luminaires and accurate control at heights of 4-18M. All Verteco luminaires are supplied with 5 year warranty providing peace of mind that your installation will operate effectively above and beyond the payback period.

# Wallpack

Perimeter Lighting



**Our latest addition to the Dexeco Lighting exterior range, the Avalon Wallpack LED uses the latest Lumileds LEDs providing excellent efficiency and low energy consumption combined with minimal maintenance.**

The Avalon Wallpack LED has a diecast aluminium rear and comes with the option of a clear or opal curved diffuser making it ideal for applications demanding low operating costs or where access for lamp replacement is difficult and costly. With 3000 lumen output the Avalon Wallpack LED offers an excellent replacement for 70W HID fittings, however with the added benefit of significantly reduced energy consumption. The Avalon Wallpack LED is also available with optional integral photocell ensuring dusk to dawn operation.



# MODLED

Waiting Rooms  
Ticket Offices



**The Dexeco MODLED luminaire is designed to compliment Dexeco's comprehensive fluorescent modular range of luminaires with an LED lighting alternative to provide our customers with an energy efficient and low maintenance alternative to traditional sources.**

The MODLED is designed to offer a wide range of outputs and aesthetics, while suiting suspended ceiling systems and plasterboard applications, as well as offering emergency and dimming options.

The MODLED is designed to be both versatile and provide our customers with performance that exceeds that of many of our competitors whilst maintaining a highly competitive price.

Compliant with BSEN 12464 glare limitations and suitable for office applications in a range of lumen outputs. Please see the ordering codes for full details of compliant variants. We offer a range of high output BSEN 12464 glare compliant luminaires on our MODLED Office range where required.

# IMPR LED

Waiting Rooms  
Under Canopy  
Platform Shelters



**The Impervia luminaire has long been a mainstay of the Dexeco product range offering a durable, recessed, IP65 rated luminaire suitable for arduous applications where luminaires are subjected to dirt, dust and water.**

This range has now been extended with the addition of an LED variant, providing our customers with the same durable luminaire but with the added benefits of reduced energy consumption and low maintenance.

The Impervia LED is available in 600x600, 1200x600 and 1200x300 body sizes with a range of lumen outputs to give this range the flexibility to suit a wide range of applications.

The Impervia LED can be tailored to suit most applications including emergency in standard, self test and autotest options and dimming in analogue, switch dimming and DALI dimming.



# Amenity LED

Toilets  
Walkways  
Perimeter Lighting  
Store Rooms



The Dexeco Amenity Plus range is now available in an LED variant using the latest Lumileds LEDs allowing us to offer a range of functions unique to ourselves.

With 1500 or 2000 lumen output and light output ratios in excess of 80% this product range gives similar performance to traditional fluorescent sources. 1500 lumen offers similar output to 28W 2D and 2000 lumen gives similar output to 38W 2D with the benefit of significantly lower energy consumption and 5 year warranty.

The Amenity Plus can be offered with optional integral sensor, emergency, corridor mode or dimming options all of which can be combined to tailor the luminaire to suit your application. This product range is available in black or white bodies in polycarbonate, ensuring that this luminaire will meet both your aesthetic and practical needs.

The Amenity Plus range is sealed to IP65 allowing for use in external areas such as under canopies or wall mounting, however is equally suited to a range of internal applications such as corridors, stairways, toilets and storage areas.

# Graduate Surface LED

Waiting Rooms  
Ticket Offices



Our highly successful Graduate range has been a mainstay in the Dexeco Lighting product range for many years with installations in schools, hospitals, waiting rooms, ticket offices and a wide range of other applications.

The Graduate LED has been designed to offer the benefits of excellent energy efficiency and low maintenance. Optional integral microwave presence and bright out control, ideal for retrofit applications, further improves energy savings, carbon emissions and ROI while avoiding expensive wiring modifications.

All models are available with switch dim, 1-10v or DALI dimming functions. While emergency options include maintained, self test and autotest.

The Graduate LED offers an attractive solution for waiting rooms and ticket offices as well as a wide range of other applications such as corridors, stairways and suspended installations.

**The Graduate Surface LED modular is the latest addition to the range. Offering the direct/indirect gull-wing aesthetic common to many traditional fluorescent luminaires but with far greater energy efficiency.**

Using the latest Lumileds LEDs we are able to offer the Graduate Surface in a wide range of lumen outputs, 600x600 and 1200x600 options, and specifically with the 3500 and 7000 lumen variants they can be used in areas with VDUs.



# Protec LED

Waiting Rooms  
Ticket Offices



Forming part of the well established Protec range, the premium LED variant offers lumen output packages up to 3000lm making it suitable as a primary light source for high end specifications, such as receptions, offices, retail, corridors, meeting rooms, airports and educational establishments.

With impressive energy cost savings (with short capital cost payback periods) over its fluorescent equivalents, it is an ideal option to tie in with environmental management policies, requiring a commitment to energy reduction. The Protec LED comes with a number of bezel, reflector, beam angle and colour attachment options and once installed, reflectors and colour attachments can be easily removed and replaced. This allows for lighting updates in-line with changes to room layout, new branding colour schemes or display rearrangement. IP65 rating can be achieved for use in bathrooms and wet areas and BSEN 12464 glare compliant variants are available for use in offices.

The Protec LED also comes with a range of emergency and dimming options and is also compatible with a wide range of Dextra sensors offering both presence control and daylight regulation allowing for increased energy savings and better return on investment. Custom bezels available on request for retrofit applications to ensure suitability for existing ceiling cut outs.



# Opus 2 LED

Perimeter Lighting  
Depots  
Car Parks



The Opus 2 LED floodlight brings a wider range of variants and high lumen output options to our original Opus LED range. With four individual housing sizes and lumen outputs from 3000 to 28,800 the Opus 2 LED floodlight is suitable for many applications such as car parks and building exteriors.

It can be used to effectively replace HID luminaires from 70W to 400W with far lower energy consumption and excellent return on investment. Manufactured with diecast aluminium housings and toughened glass covers the Opus 2 LED floodlight is tough and durable and suitable for a wide range of exterior applications.

All luminaires in the Opus 2 LED range are manufactured using either Lumileds or Tridonic LEDs and drivers which provide excellent energy efficiency and minimal maintenance reducing the lifetime cost of ownership. High output variants also include constant lumen output function, gradually increasing power over life time to ensure that there is no lumen depreciation over the first 50,000 hours of operation, our constant lumen output feature will help ensure that your installation is as effective at end of life as when first installed with minimal maintenance.



# BESPOKE SOLUTIONS

Since the inauguration of Dextra Group, flexibility and customer focus have been at the heart of our company ethos. Our customised luminaire service is an integral part of our commitment to meeting the needs of the customer. Should you find that our existing wide product range does not meet your particular needs we are happy to discuss your requirements and find a solution for your application.

Dextra Group have diligently invested in the company throughout to ensure we have state of the art technology and manufacturing equipment available. Our design and testing facilities include the latest 3D modelling and photometric design software, a state of the art testing laboratory with photometer, thermal test cages, EMC testing facilities and integrating sphere all operated by staff with decades of lighting expertise.

This design and testing resource is combined with huge investment in CNC metalwork machinery and laser cutting equipment allowing us to take your project from design concept to manufacturing rapidly, ensuring that the product meets both your expectations and project deadline without compromising performance or reliability.

Where required we will invest in bespoke extrusions, injection mouldings and die castings, bringing a quality finish to your product that is entirely unique to yourself.

Our commitment to service goes far beyond the luminaire itself. We have a large resource of lighting experts based around the country who can visit your installation and advise on the optimum solution with consideration for lighting design, energy saving, legislative requirements and minimal cost of installation with your existing infrastructure.

We provide a full service from initial site assessment, luminaire specification, quotation and payback calculations, dedicated contacts throughout the design and sampling process through to site delivery of products with up to 5 year warranty and collection and recycling of old product removed from site.



# Dextra

GROUP PLC

Dextra Group plc., based in Gillingham, Dorset, is at the cutting edge of luminaire development. Our latest in a long line of investments are dedicated LED PCB production facilities.

This allows the design of ground breaking luminaires bringing a new level of flexibility to production and design. Our teams operate in competitive, diverse markets, and have the support of our 'just in time' manufacturing ethic and 'made in the UK' products allowing them to react quickly to client needs.

This belief in high service levels with over 36 years experience has helped us become the UK's largest privately owned lighting manufacturer.



Manufacturer of the Year



Company of the Year



Advanced Manufacturing

## COMPANY TIMELINE

- 1978 ● Company founded by current owner and Group Chairman, **operating from 300m<sup>2</sup> unit**
- 1981 ● Relocated to **new premises** and existing location, 1,180m<sup>2</sup>
- 1990 ● Changed from Limited Company to a plc
- 1992 ● **First own brand contract** secured with major National Distributor
- 1994 ● Installed first **Salvagnini** automatic folding machine
- 1996 ● First **Robotic Wiring Machine** installed
- 2000 ● **Automatic Louvre Component Production** commenced
- 2008 ● The company broke the **£50million** turnover barrier
- 2008 ● In response to the requirement of global specifiers, the subsidiaries Dexeco specialising in energy efficient products, Dexasor, designing and producing sensors and Dexreco recycling in accordance with WEEE regulations were established. **Dextra Group plc. formed as holding company**
- 2011 ● **Dexretail Ltd., established** to meet the specific demands of the retail industry in respect of product range
- 2012 ● **LEDextra Ltd., set up**, supplying quality branded components used in all manner of LED based projects.
- 2013 ● First **Surface Mount Technology** facility installed, making Dextra Group plc. fully self sufficient
- 2014 ● **LEDex Specialist Electronics** established, £4million investment bringing total number of SMT machines to 4

Company now occupies **22,700m<sup>2</sup>** and has **550 employees**



## DEXTRA IN NUMBERS

**X 7** Subsidiary companies under the **Dextra Group Umbrella**

**550** Employees

**5,000** Average number of **luminaires produced daily**

**M<sup>2</sup> 22,700** sq m of **manufacturing premises in Gillingham, Dorset**

**500,000** LED chips placed per day in our **specialist electronics unit**

## OUR SUBSIDIARIES

### **Dexeco** SOLUTIONS

Dexeco offer a versatile product range using the latest LED, sensor and fluorescent technologies, allowing us to create unique and bespoke solutions suitable for any number of applications, enabling maximum energy savings from any given environment.

### **Dextra** LIGHTING

Drawing from over 36 years of manufacturing experience, the largest independent luminaire manufacturer in the UK, Dextra Lighting continues to go from strength to strength. Our core belief of providing the highest quality products backed up by unrivalled customer service remains the key driver to us achieving our future goals.

### **LEDextra** PREMIUM COMPONENTS

LEDextra Ltd. supplies a broad spectrum of high quality lighting systems for all occasions and environments, specialising in commercial and modern architectural projects at competitive prices. Offering customers excellent quality cutting edge product goes hand in hand with the back-up of our in house technical and design teams, who with the benefit of Dextra Groups continuous investment in the latest software are able to support LEDextra to provide a fast and reliable service and delivery, satisfying the individual needs of the customer.

### **Dexretail** SPECIALIST LIGHTING

Dexretail provide a range of specialist products to meet the specific demands of the retail industry, enhancing the buying experience for our clients' customers. Dexretail is set to substantially increase its market share, making it the number one choice in retail lighting.

### **Dexsor** DETECTION

Behind all our latest advances in lighting technology is Dexsor, a continual research and development division. Dexsor ensures that your environment is controlled with total efficiency utilising the latest advances in infra-red, daylight and microwave technologies.

### **Dexreco** RECYCLING

Dexreco Recycling is a registered AATF, catering for all luminaire disposal needs quickly and efficiently via our established UK logistic network. Dexreco will ensure that end of life luminaires are disposed of safely, in line with WEEE legislation.

### **LEDex** LIGHT ENGINES

LEDex is a specialist electronics facility. A total of four SMT lines have now been installed, which has the capacity to place 500,000 LED chips on cards of up to 900mmx600mm in a single eight hour shift. The ability to customise card designs ensure that exact criteria for cost, lumen output, power consumption and return on investment are met.



**Dextra Group plc. offers a comprehensive service to its clientele.**

Dexreco Ltd., a registered AATF, caters for all luminaire disposal needs quickly and efficiently via our established UK logistic network; a responsibility that the end client can do without. Using Dextra Group's own liveried fleet of vehicles, complete with Manitous for self loading, Dexreco collects old product from site at the client's convenience.

Virtually all collections are made by Dextra Group vehicles on a "back load" meaning that instead of a vehicle returning empty after making a delivery, it will stop off and make a collection. This effectively halves the amount of carbon pollution caused by the transportation of the end of life luminaires.

In 2014, 889 tonnes of WEEE was collected and recycled by Dexreco in line with WEEE legislation.

***We take the hassle out of WEEE for you!***

Our service results in a cleaner, greener, more efficient future.

[dexreco.co.uk](http://dexreco.co.uk)



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