



NEW PRIMARY SCHOOL, SALTRAM MEADOW

Plymouth

Dextra
LIGHTING

ABOUT THE CLIENT

Saltram Meadow is a new housing estate constructed by Persimmon Homes Cornwall, developed over several phases. Located in the popular suburb of Plymouth, Saltram Meadow is located in the beautiful countryside of the National Trust's Saltram Estate, with the Dartmoor National Park also close by.

As well as the houses, Persimmon Homes has been constructing other vital infrastructure on the estate including a new primary school.

The new multi-million pound, state-of-the-art school, which was finished at the end of 2020, now accommodates 420 pupils from the local area, as part of phase four of the development plans.

Working for Redrock Electrical, Dextra produced detailed lighting design drawings for the school project as well as supplying a number of its products for installation in the new build.



THE SOLUTION

Starting with the classrooms, Dextra's MOD EDGE UGR was chosen for its slim profile, making it suitable for the minimal void space. These were customised for dimming and 204 were supplied.

The MOD EDGE UGR is an edge lit modular luminaire with a housing depth of just 8.5mm, ideal for applications where ceiling void depth is limited and a minimum of space is available to lift and tilt luminaires into position.

The MOD Edge UGR is manufactured with a TP(a) compliant microprism diffuser providing peace of mind that safety regulations are adhered to whilst allowing installation in applications where glare compliance to both BSEN12464 and UGR 19 are required.

The Capo LED was selected for the corridors where 26 were installed. The area required a suspended luminaire suitable for

mounting from the purlins of the roof structure. Also known for its quality and aesthetics, the Capo provides an architectural solution in suspended applications for both ambient and accent lighting. With anodised spun rear housing, translucent collar available in a range of colours and opal refractor the Capo provides a decorative and attractive installation that can also be tailored to suit any corporate theme.

Alongside the Capo, 86 of Dextra's BTEC's were also used in the corridor areas. An HBE2 LED was also fixed in the main corridor.

The Protec FR Fixed was the ideal solution for use as a small toilet light. With 29 installed throughout the toilet areas, the Protec FR Fixed provides a high-quality LED alternative to the traditional GU10 downlighter. Incorporating the latest chip on board LED technology this gimbal variant is both IP65 and fire rated.



THE SOLUTION

In the shower rooms, 43 Amenity Plus LED Square's were put in to support the need for an IP rating and surface fitting. This luminaire range includes premium mid power LEDs offering excellent efficiency and longevity with a lifetime of L90 at 60,000 operating hours.

In the sports hall at the school, 9 Prosport LEDs were installed, with dimming options. Ideal for use as specialist sports fittings, the Prosport LED is made with a steel housing, injection moulded polycarbonate end caps and a clear polycarbonate diffuser ensuring the ability to withstand ball strikes from most sports.

Dextra's Siren luminaire has a vapor-proof IP batten, one of the reasons why it was chosen for use in the school's kitchen areas, where 12 were used. The Siren is designed with snap on mounting clips to the rear of the housing to aid suspension and surface mounting, while a flat rear aids installation to conduit and besa box.

Elsewhere, the IMPR LED was used in the foodtech areas as it is suitable for recessed installation and is rated to IP65. Ten IMPR's were installed, offering a robust LED luminaire for use in applications where the luminaire must be protected from ingress of dirt, dust and water.

In the storerooms, 6 Ecopak LED's were used to deliver more efficient lighting. The Ecopak is a highly versatile and efficient range of LED battens utilising high quality components and mid power LEDs ensuring reliability and long life combined with superb energy efficiency.

36 of Dextra's EXI2's were used as emergency signage on the exit routes, with 28 AME LED's on the external doors.



FEATURED PRODUCTS



MOD EDGE UGR

Overview: The MOD Edge UGR complements our recessed modular range with an edge lit modular luminaire with a housing depth of just 8.5mm.



CAPO

Overview: Combining efficiency with form the Capo provides an architectural solution in suspended applications for both ambient and accent lighting.



BTEC

Overview: The BTEC Downlight is ideal for customers who need a premium quality downlight with high quality LEDs and drivers as well as excellent efficiency for a rapid return on investment



HBE2 LED

Overview: This highly versatile exit sign is designed to suit nearly all emergency exit applications.



PROTEC FIRE RATED DOWNLIGHT

Overview: The Protec Fire Rated Downlight has now been updated to provide maximum flexibility from a single product variant.



AMENITY PLUS – SQUARE

Overview: The Amenity Plus Square is available in lumen outputs ranging from 1500 to 3000 and is manufactured with an injection moulded polycarbonate housing and diffuser.

FEATURED PRODUCTS



PROSPORT

Overview: The Prosport is made with a steel housing, injection moulded polycarbonate end caps and a clear polycarbonate diffuser ensuring the ability to withstand ball strikes from most sports.



SIREN

Overview: An injection moulded IP65 luminaire made from polycarbonate housing and diffuser offering excellent protection against light impact.



IMPR

Overview: The Impervia is a robust IP65 LED luminaire for use in applications where the luminaire must be protected from ingress of dirt, dust and water.



ECOPAK

Overview: The Ecopak offers increased energy efficiency and low maintenance of an LED source giving greater return on investment.



EXI2 LED

Overview: The EXI2 LED is a slim line polycarbonate emergency exit sign supplied with prewired cable suitable for surface mounting and rear cable entry and is available in both standard and Self test variants. Autotest variants are available in an alternative housing style.



AME LED

Overview: IP65 LED Self-Contained Polycarbonate bulkhead.