



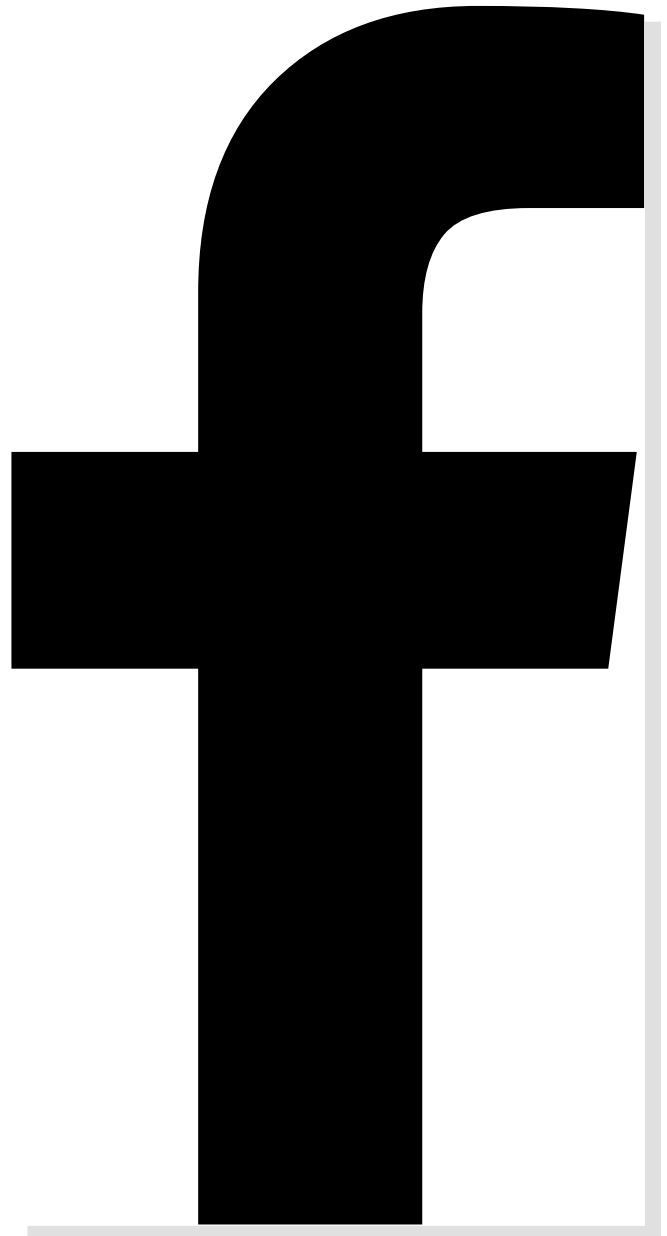
CASE STUDY

National Physical Laboratory, London



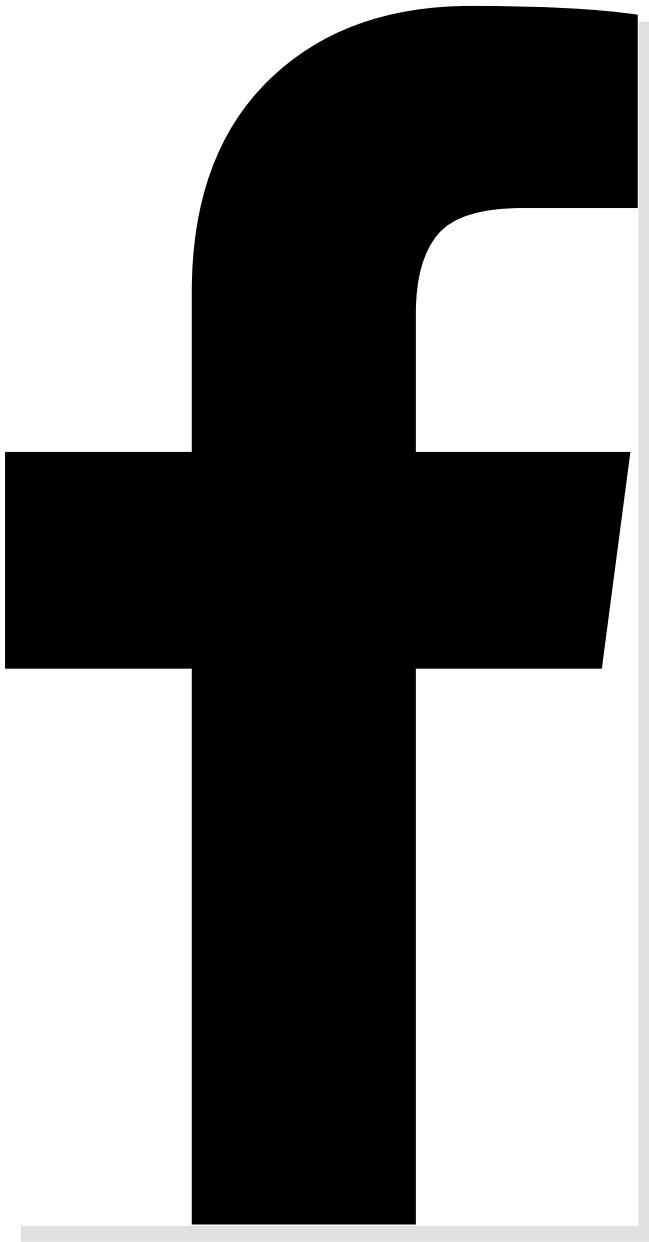
They say research and development is the lifeblood of any industry. This could not be more relevant when it comes to setting standards around measurements – something that is pertinent to nearly every industry in the UK and around the world.

The National Physical Laboratory (NPL) is the UK's National Metrology Institute (NMI), developing and maintaining the national primary measurement standards, as well as collaborating with other NMIs to maintain the international system of measurement.



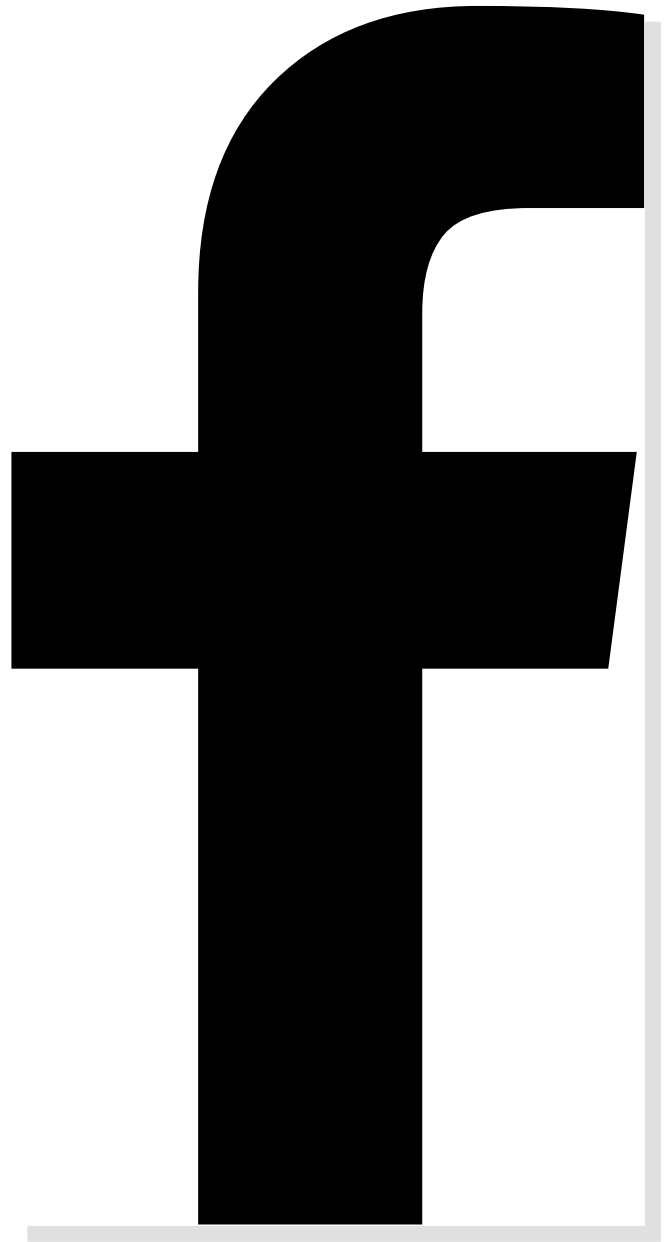
In 2022 it worked on 24 projects with 22 companies and helped bridge the gap from a prototype in a research environment to an industry-ready, innovative new product or service. In total 50 companies have worked with NPL via the Measurement for Quantum (M4Q) programme, which supports innovation and drives growth by providing up to 20 days of specialist quantum measurement expertise.

Recently, as part of an on-going programme of upgrades and maintenance to its buildings and laboratories, NPL required new and more efficient lighting.



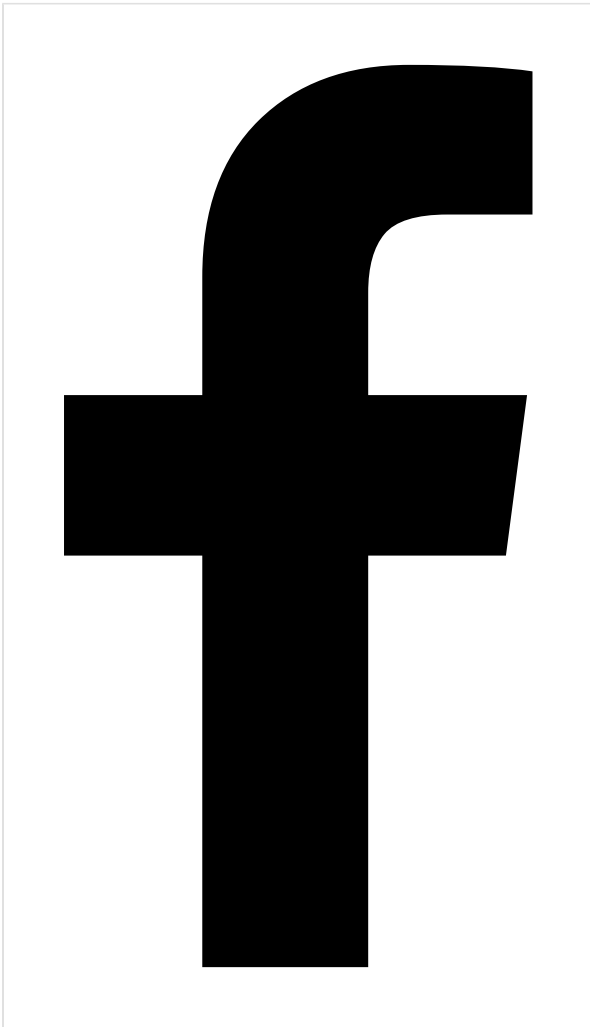
Working alongside contractor, Russell Cawberry, Dextra supplied lighting for an array of commercial buildings at the campus, with particular focus given to the on-site nursery, where childcare in the form of subsidised early years education is available to all NPL employees.

Dextra's main focus was an LED upgrade, replacing older fluorescent fixtures, with the aim of significantly reducing running costs with improved energy savings.



THE PRODUCTS





BTEC

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

Where was it used in the project?
Classrooms, Hallways, Staff Rooms

How many luminaries were supplied?
114

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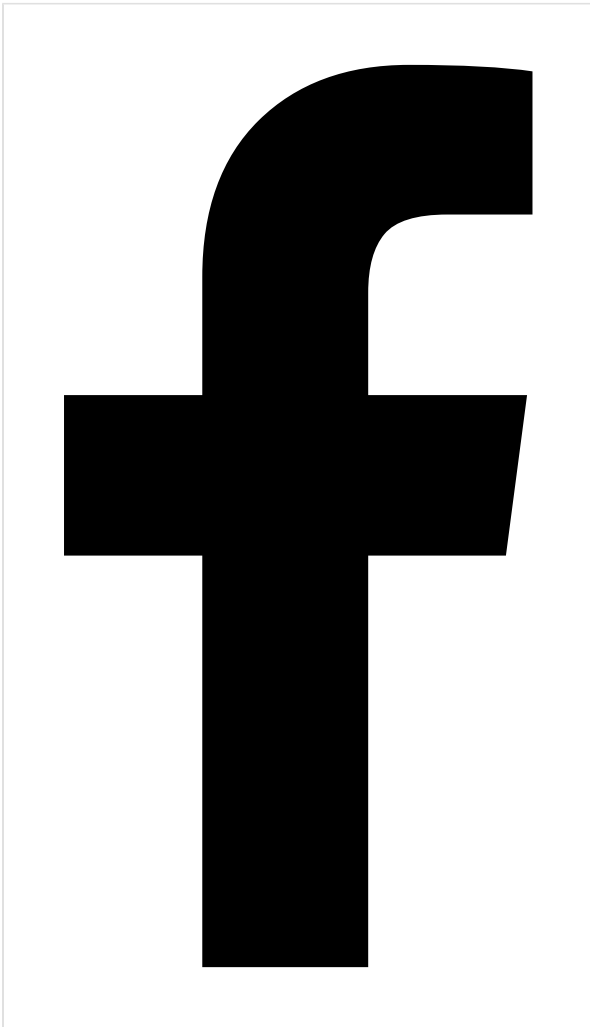
MOD CAELUS

The Mod Caelus is available with a range of graphic designs allowing the simulation of skylights and other decorative features.

Where was it used in the project?
Used to provide a calming and interesting view point for babies and small children in the baby changing areas.

How many luminaries were supplied?
4

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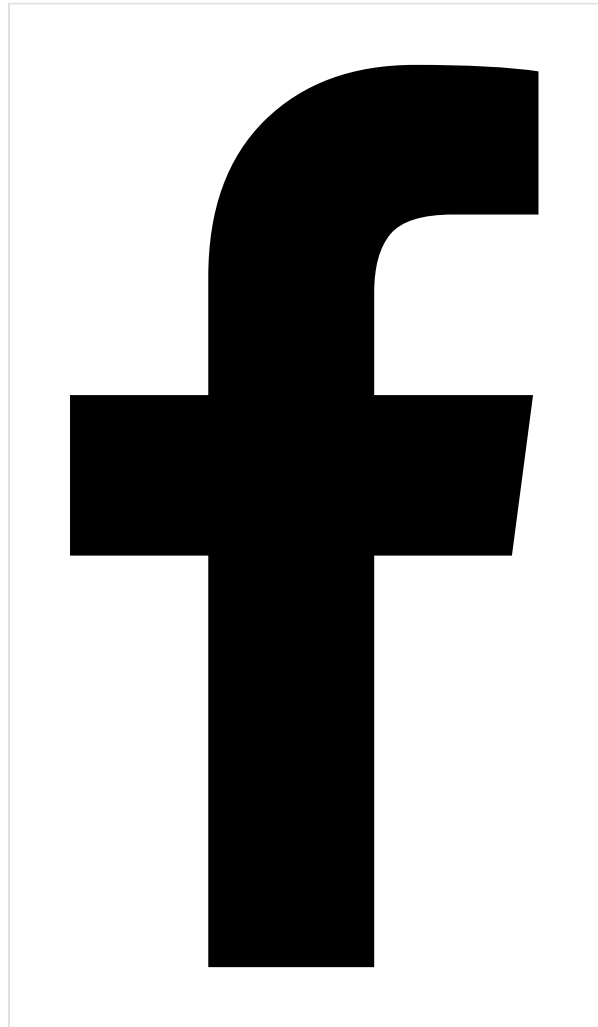
EXI3

The EXI3 is a slim line polycarbonate emergency exit sign available in both standard and self test variants with lithium batteries as standard.

Where was it used in the project?
Exit sign above doorways in classrooms, kitchen and staff room.

How many luminaries were supplied?
5

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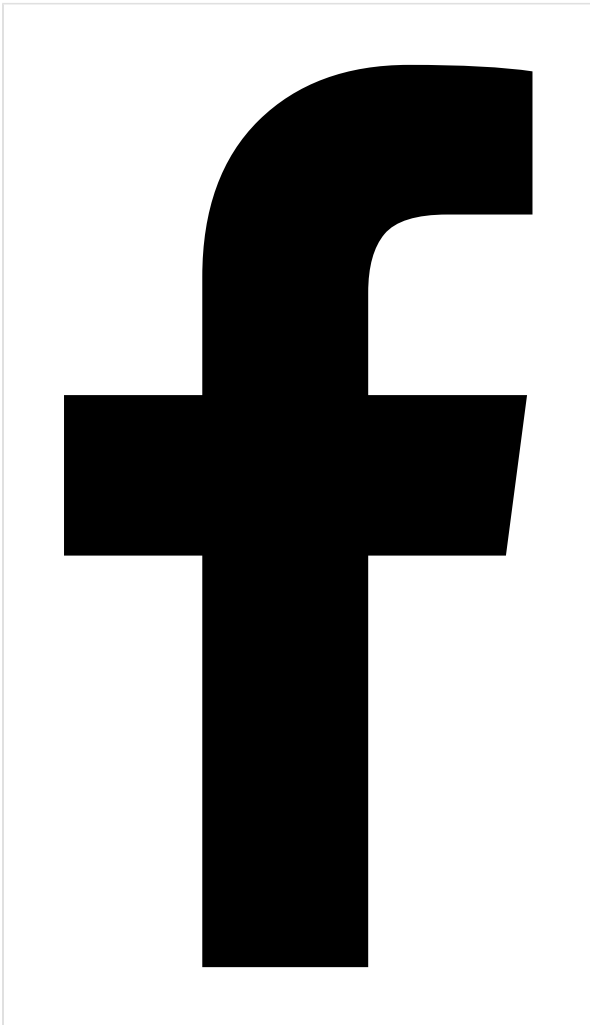
HBE3

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

Where was it used in the project?
Classrooms where the EXI3 was not suitable.

How many luminaries were supplied?
3

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MOD SLIM

The MOD Slim is a highly efficient and versatile backlit modular range of luminaires available in a wide range of housing styles and lumen outputs.

Where was it used in the project?
Bathrooms & changing areas.

How many luminaires were supplied?
10

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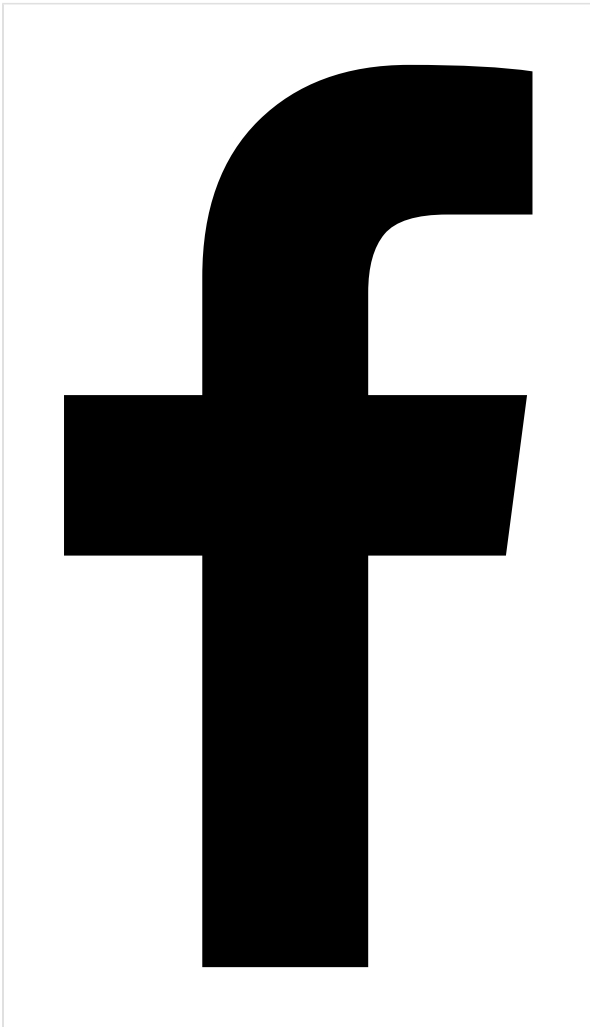
AMENITY EXTERIOR - OPEN

The Amenity Exterior Open is manufactured with a tough and durable die cast aluminium housing and injection moulded polycarbonate diffuser.

Where was it used in the project?
Exterior of building to light pathways.

How many luminaires were supplied?
18

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AMENITY PLUS - SQUARE

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.

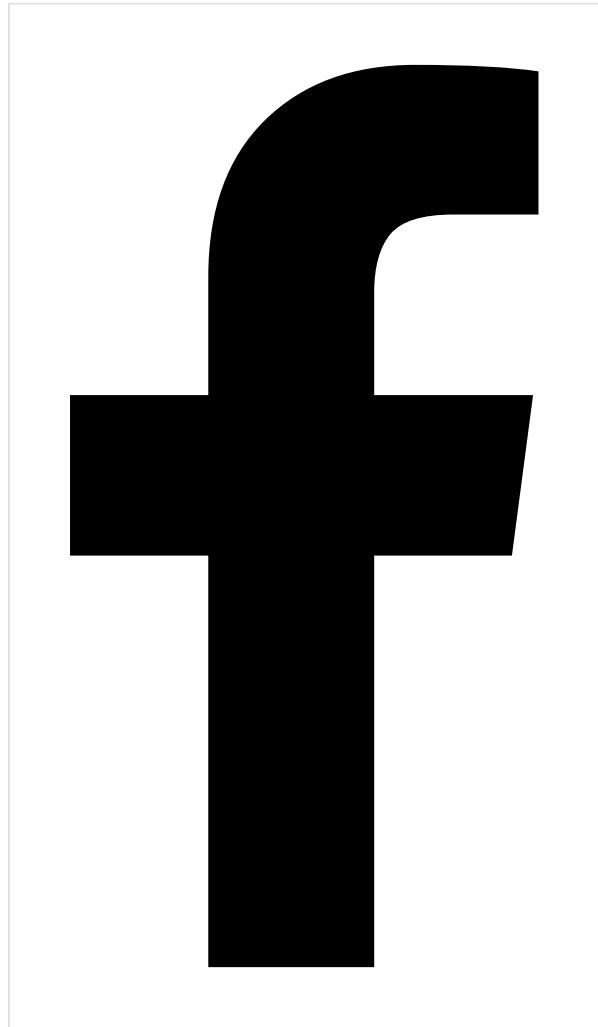
Where was it used in the project?

Storage area

How many luminaries were supplied?

1

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TYPHON

A robust and durable IP65 luminaire with GRP housing for excellent chemical resistance.

Where was it used in the project?

Boiler room

How many luminaries were supplied?

2

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AME2

The AME2 offers lithium emergency in a robust IP65 polycarbonate housing

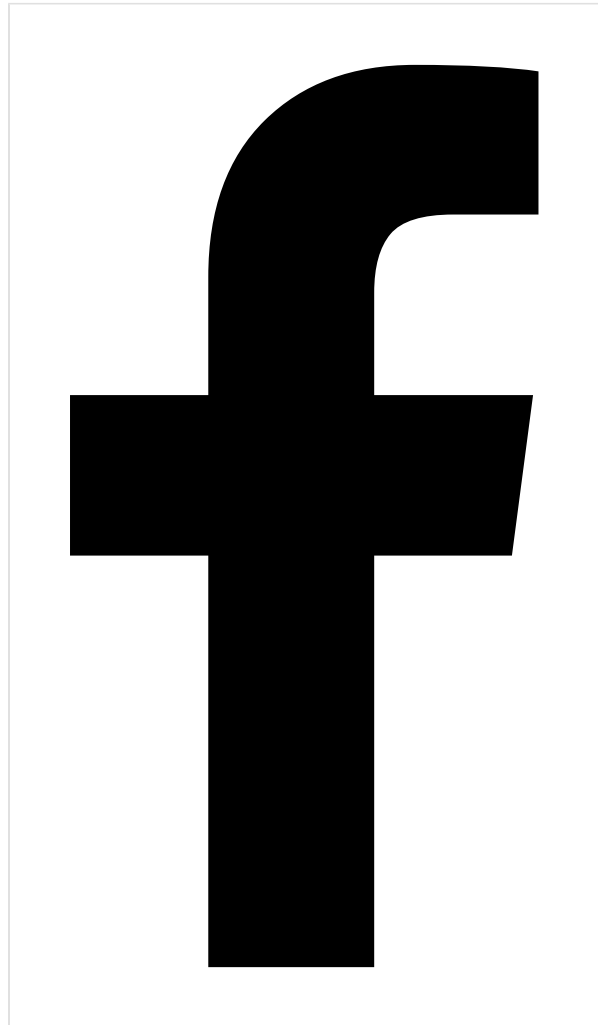
Where was it used in the project?

Outdoor play area, Boiler room

How many luminaires were supplied?

7

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LED4

The LED4 incorporates Lithium batteries as standard giving extended lifetime and warranty reducing ongoing maintenance costs.

Where was it used in the project?

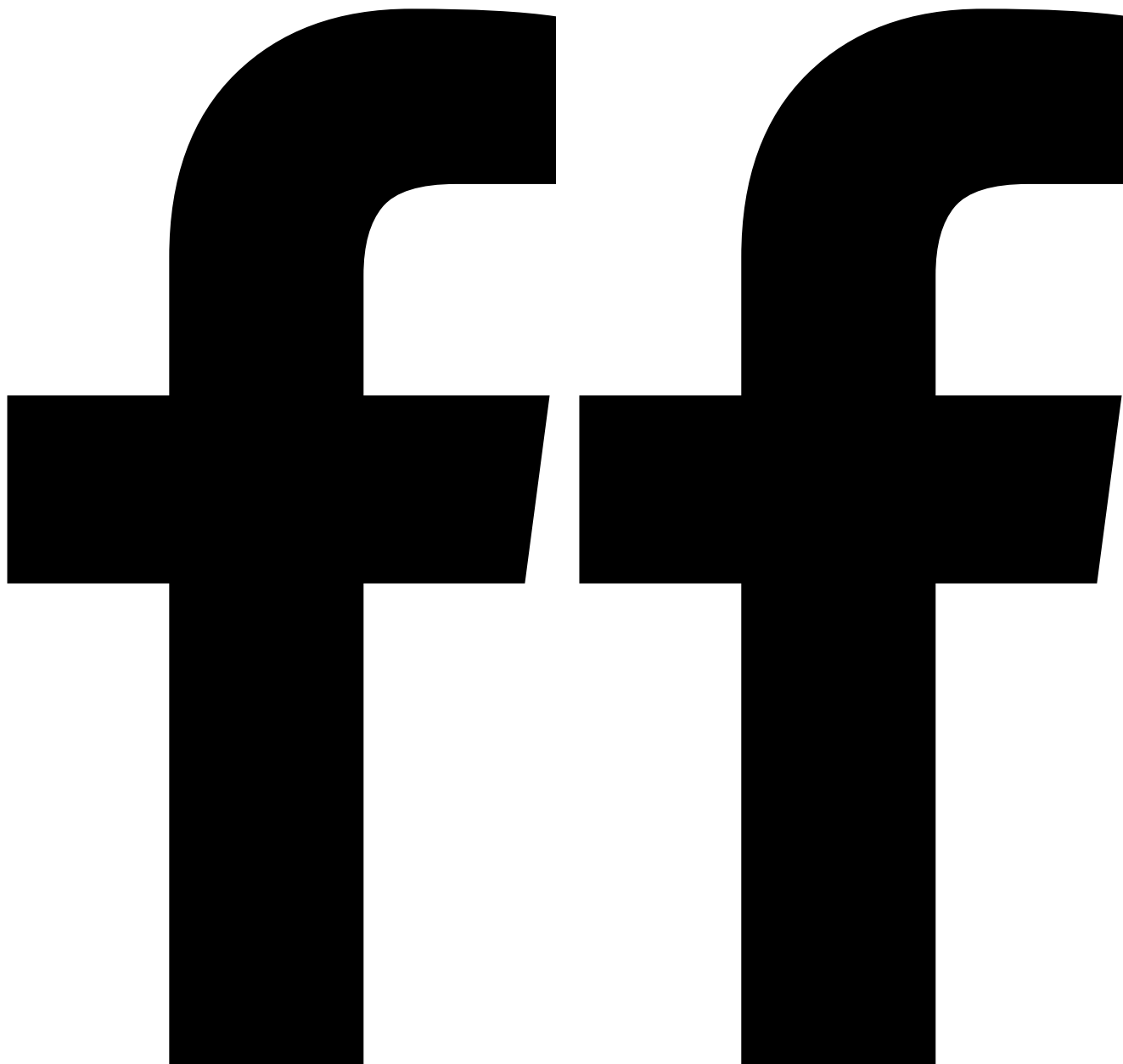
Baby changing area

How many luminaires were supplied?

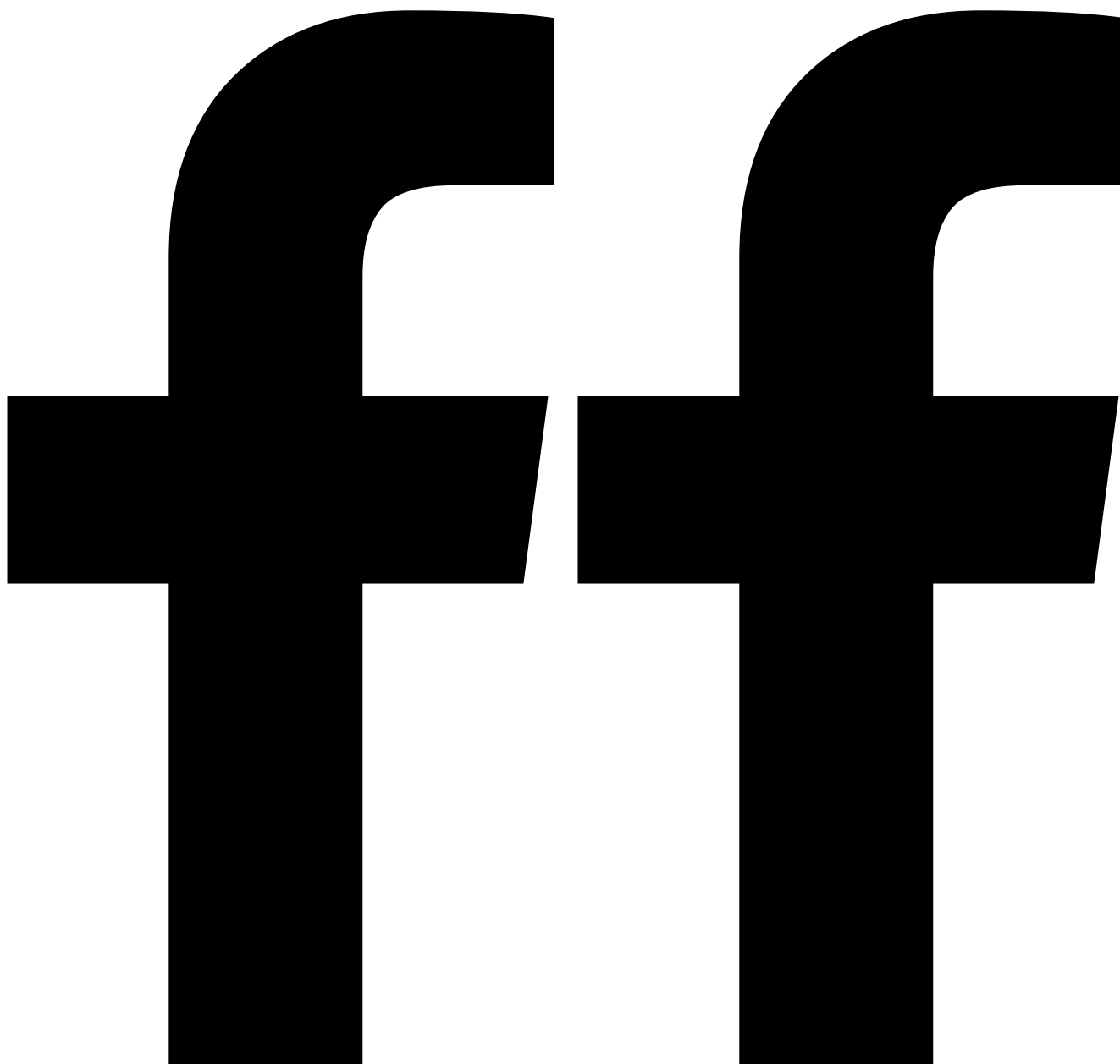
1

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GALLERY







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