

SPAR NORTHERN IRELAND
AND SCOTLAND

CASE STUDY

LED Troffer Retrofit Solution



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NUALIGHT



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FAST FACTS

STORE NUMBERS: 134 Spar stores across Northern Ireland and Scotland

PROJECT: Fluorescent troffer retrofit with Blaze LED fixture

PRODUCTS: • Blaze 600 x 600 LED fixture

In a landmark project for LED lighting in the convenience sector, 134 Spar stores in Northern Ireland and Scotland are converting their fluorescent troffers to the Blaze LED 600x600 fixture. This is the first major LED retrofit in the convenience sector in Europe and represents a turning point for the retail industry in its journey to sustainability.

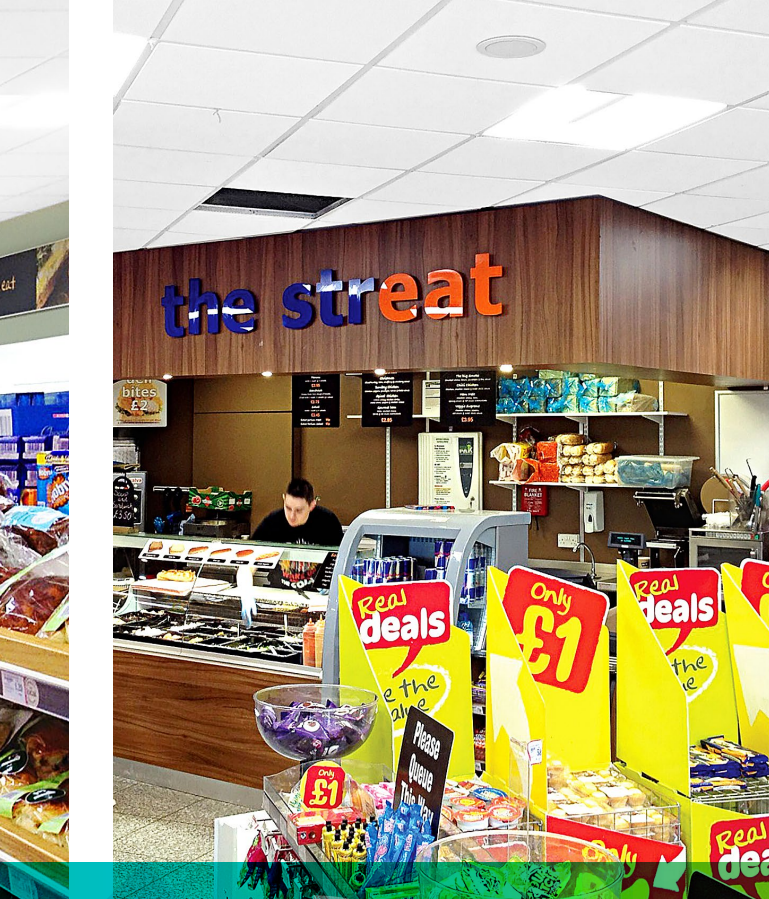
The project is a result of the partnership between Cross Refrigeration Group (specialists in refrigeration and air-conditioning) and Nualight (specialists in LED lighting for food retail). The deal was agreed with the Henderson Group, which owns 26 Spar Northern Ireland retail stores, and CJ Lang & Son Limited, which owns 108 Spar stores across Scotland.

Nualight's Blaze 600 fitting was selected after a competitive tender process to source the best LED lighting system for the Spar stores. Cross Group, through its Cross Refrigeration company, is the exclusive distributor of Nualight LED fixtures in Ireland (both North and South) and Scotland.

The maintenance-free Blaze 600 fitting delivers 61% energy savings, a lifetime five times longer than traditional store fluorescent lamps, superb colour vibrancy, and a unique optical design

for a bright and natural ambience. The Blaze is designed and manufactured in Europe by Lumoluce, a sister company of Nualight and also part of the Nualight Group.

For a typical Spar store, annual savings of ca. £3,500 can be achieved in energy, bulbs and maintenance over each year of the 8.5 year average lifetime of the installation (based on 16-hr operation per day). This makes real business sense, particularly when the "refresh effect" is factored in. Upgrading old fluorescent fixtures to Blaze gives each store an instant facelift, making stores feel fresher, brighter and more modern.



Blaze is a very unique solution with a distinctive aesthetic. Its unique indirect optical design was developed for minimal glare and very high energy-efficiency. Blaze's superb quality control for colour consistency trumps traditional, inferior lighting where colour can change from fixture to fixture.

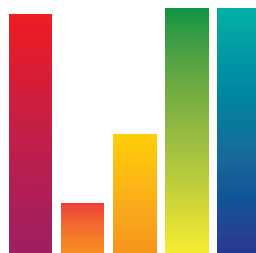
**61%
ENERGY
SAVINGS**
PLUS ZERO
RELAMPING



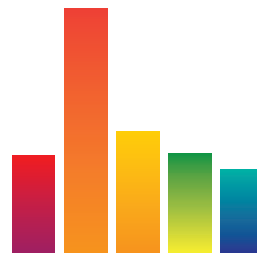
Business Case

- 67% cost savings
- 61% energy savings
- 5% longer lamp lifetime
- No more maintenance

OLD
PL-L 55W x 2
110W



NEW
Blaze 600 LED
42W



	PL-L 55W x2	Blaze 600	Benefit
Power consumption	110W	42W	61% energy savings
Lifetime	10,000 hrs	50,000 hrs	5 x longer lifetime
Number of fixture per store	50	50	-
Power consumption per store year	32,032 kW/h	12,230 kW/h	1,030,176 kWh
Total cost per year*	£5547	£1834	67% cost savings

* Based on 16 hrs per day
Including relamping and installation costs.

