

Welcome from
Eng. Basem Tweme

Fitzgerad in New
Dubai Airport

Advantages of
Electronic Start

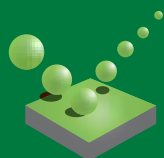
Light & Health

Prijects

New Agencies

We Miss You
(Mr. Elias Tweme)

Lighting Magazine



Beam Engineering
Technology Ltd.

WELCOME...



Particular thanks to the many readers who responded to our first Newsletter.

We appreciate all our customers who have called and sent e mails to express their interest in our Newsletter.

We tried and we are still trying to be so close with our customers who we think that they are part of the company.

Our main goal in this newsletter is to be always in touch with all our customers and to now what information they need to be in our newsletter.

So, in this issue I hope that you can participate in our newsletter and to consider this newsletter your place to express anything you need concerning lighting issues or Electrical issues in general.

At the end I would thank

again all the people who are supporting us and we want to say to them thank you and thanks for everybody who is supporting the Palestinian companies.

*Eng. Basem Tweme
General Manager*



FITZGERALD IN NEW DUBAI AIRPORT

As part of a £300 million expansion programme, Dubai International Airport is now recognized as the aviation hub of the Middle East. It stands at the threshold of being amongst the top ten airports in the world, and Fitzgerald Lighting was chosen to supply the illumination for the VIP parking and security suite at the newly opened Sheikh Rashid terminal.

ADVANTAGES OF ELECTRONIC START

Electronic starters are currently fitted as standard in some Fitzgerald fluorescent luminaire ranges and are offered as an option in most others. They contain no moving parts or contacts to wear out and remove the need to ever replace starters for the life of the luminaire.

In addition Electronic Start greatly enhances tube life to the extent that end blackening and life reduction caused by switching become negligible and the full rated burn life of the tube can be realized. The savings in maintenance are therefore considerable and very quickly exceed the small additional initial cost added to the luminaire.

Luminaires fitted with electronic start will also operate at lower temperatures - in some cases down to as low as -35°C. Electronic starters also improve the time taken to ignite the lamp.

By supplying one positive pulse, the lamp is ignited in less than 3 seconds from switching. The delay can vary with lamp size and type of starter.

PROJECTS

We were managed to win many projects during the last four months, some of which are the following:

1. *Bahrain Hospital – Ramallah:*

Specialized hospital donated by Al Bahrain to the Palestinian people.

2. *Al Khader International Stadium- Al Khader:*

International Soccer Stadium with special floodlights. Beam made all the calculations for all lighting positioning according to FIFA standards.



Al Khader International Stadium



Al Khader International Stadium

3. *Notre Dam Museum – Jerusalem:*

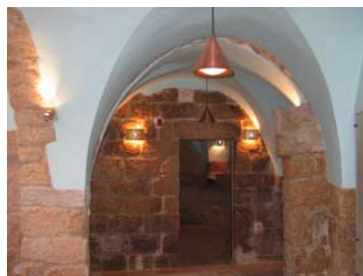
Very decorative lighting fixtures were chosen to illuminate this museum. The design was done by an Italian architect.

4. *Ocean Logistics – Bethlehem:*

Decorative offices with decorative lighting.

5. *Dar Qumsieh – Beit Sahour:*

Renovation of an old building using bronze lighting fixtures.



Dar Qumsieh – Beit Sahour

6. *Milk Grotto Chapel – Bethlehem:*

A New Architectural Modern Chapel with very unique lighting fixture.



Milk Grotto Chapel – Bethlehem



Milk Grotto Chapel – Bethlehem

7. *Kuwait Hospital – Ramallah:*

Specialized Modern Hospital.

8. *Holy Family Hospital – Bethlehem.*

8. *Canawati Souvenir*

Shop – Bethlehem:

Special Room for Ancient Icons with special lighting effects.



Canawati Souvenir Shop – Bethlehem

9. Beit Jala Community Center:

Multipurpose Hall with Metal Halide Light Fixtures, and decorative outdoor light effects.



Dar Qumsieh – Beit Sahour

10. Catholic Action Sport Center - Bethlehem



Catholic Action Sport Center - Bethlehem

NEW PRODUCTS

1. LAMBENT

A collection of IP68 ground-buried vehicle impact resistant LED luminaires.



Die cast aluminium RAL 9006 or stainless steel caps.

Long life silicon gasket.

Technopolymer casing.

Toughened transparent safety glass with prismatic lens.

Stainless steel external screws.

9 LEDs fed with 24v.

Fittings must be installed using H05RN-F cable.

Every fitting is complete with two IP68 anti-tearing PG9 cable glands and one grommet for single or in-series connection.

10w and 40w electronic transformers are available as accessories and must be installed in protected areas.

Also available in an IP67 box for recessed installations.

2. VICTORIANA

A lantern style luminaire ideal for parks and period street applications. The Victoriana can be either wall mounted or used as a post top luminaire. Choose from a selection of elegant columns to compliment the Victoriana Lantern range.



High quality black GRP frame and cap with decorative top, with

polycarbonate opal, or clear lens.

Easy to install post top.

60mm spigot entry base section.

Top or bottom mounting available when used in conjunction with wall mounting brackets.

Transparent lens supplied with central stainless steel stack as standard, to reduce glare and control light spread.

LIGHT & HEALTH

The Light and Health program at the LRC bridges the gap between science and applications by striving to better understand how the visual and circadian systems work, the lighting characteristics that affect them, and ways to develop the means of applying and measuring light that is effective to both visual and circadian systems.

Biological rhythms that repeat at approximately every 24 hours are called circadian rhythms. Light is the main stimulus that helps the circadian clock, and thus circadian rhythms, keep a synchronized rhythm with the solar day. If we are

not exposed to sufficient amount of light of the right spectrum, for a sufficient amount of time, and at the right timing, our biological clocks become desynchronized with the solar day; decrements in physiological functions, neurobehavioral performance and sleep may occur.

Lighting characteristics that are effective to the circadian system are different than the ones effective to the visual system. A better understanding of the quantity, spectrum, timing, duration, and distribution of light that is effective for the circadian system is essential, so that light can be applied to mitigate the symptoms of Alzheimer's disease, seasonal affective disorder, sleep deprivation, and jet lag.

WE MISS YOU



Our Administrative Manager Mr. Elias Tweme has been in absent from work for one year because of his illness. We hope as a staff you get well soon. We wish you good health and to come back to your place.

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