

Lighting management

MOTIVATION

Lighting is an important factor affecting the performance of staff in the work place. The ability to provide the right lighting for all tasks and individual needs can only be achieved by using an appropriate lighting management system.

Purchasing lights without controls is very much like having a car without brakes, accelerator, or steering wheel.

COMFORT

A lighting management system ensures that light levels can be readily matched to personal needs. This leads to staff having a greater feeling of well being and comfort with the result that they are more productive and less likely to suffer headaches or eye strain.

MERCHANDISING

Creating the right atmosphere to sell your products is largely achieved by getting the lighting right. Controls will permit the fine tuning of your current concept as well as giving you the opportunity to economically introduce changes as your image alters.

SAVINGS

There are several ways in which lighting management can generate real savings in time and cost. From the design and installation process right through to the day to day running of an occupied building. During typical installations a remarkable 70% saving in labour time has been achieved. Electricity consumption can be reduced by as much as 75%. Less time on site means less risk; lower running costs means more profit.

COMPLIANCE

In the UK, meeting recent legislative requirements such as EC Directive 90/270 (concerning lighting and Visual Display Screens) and the Building Regulations: Approved Document L (concerning energy efficient lighting) is a further powerful argument. Finally, BS5266 requires the regular testing of emergency lighting – a need that will become more imperative with the introduction of European Standards.

In summary, a lighting management system brings added comfort, increased productivity, lower costs, higher profits, and compliance. Quite a combination.

Lighting management systems

REDIRECTION



Lightmaster 20 p122

REDIRECTION



Lightmaster 120 p123

REDIRECTION



Lightmaster 100 p124

REDIRECTION



Wiremaster p125

REDIRECTION



Command 3 p126



Controls Product Selector

APPLICATION AND KEY REQUIREMENTS		PRODUCT				
OFFICE DEVELOPMENTS		Command 3	Wiremaster	LM20	LM100	LM120
Core areas	1 Lighting to be maintained during all occupied periods for safety and security.		O		✓	✓
	2 Centralised control and monitoring available to building manager.				✓	✓
Open plan office areas	1 Highly flexible installation to allow rapid, low cost, alterations to suit changing needs.	✓	✓		✓	✓
	2 Provision of local overrides to comply with The Building Regulations 1994: Approved Document L.	✓	✓		✓	✓
	3 Management of interior illumination to maintain comfort, including daylight linked operation.	✓	O		✓	✓
Private offices	As Open Plan above plus					
	1 Allow user to select lighting level to suit individual tasks.	O	O		✓	✓
Conference rooms	1 Provide facility to alter lighting mood and level.				✓	✓
All areas	1 Emergency lighting test and monitoring		O	✓	O	✓
INDUSTRIAL/MIXED DEVELOPMENTS						
Operations areas	As for Office Developments above plus					
	1 Match lighting to activity levels. Ensure only active production lines are fully lit.		O		✓	✓
	2 Control and monitor lighting costs.				✓	✓
	3 Provide reduced lighting facility for maintenance and cleaning periods.		✓		✓	✓
Warehouse	1 Manage lighting according to shift patterns and occupancy levels.		O		✓	✓
	2 Adjust lighting levels according to available daylight.		O	✓	✓	✓
All areas	1 Emergency lighting test and monitoring		O	✓	O	✓
RETAIL DEVELOPMENTS						
Malls	1 Lighting to be maintained during all occupied periods for safety and security.		O		✓	✓
	2 Centralised control and monitoring available to building manager.				✓	✓
	3 Emergency lighting test and monitoring.		O	✓	✓	✓
	4 Operational flexibility to suit seasonal shopping patterns		✓		✓	✓
	5 Alter lighting to assist special promotions.				✓	✓
	6 Reduce lighting levels during maintenance periods.		✓		✓	✓
	7 Match lighting 'scenes' to external conditions.				✓	✓
Sales floors	As above and with increased flexibility to allow layout changes etc. Also increased emphasis on ability to highlight and promote specific displays.		✓	✓	✓	✓
PUBLIC BUILDINGS						
All areas	1 Emergency lighting test and monitoring			✓		✓
Museums & galleries	1 Scene setting.				✓	✓
	2 Monitor and manage the lighting to limit the amount of light falling on critical exhibits.				✓	✓
	3 Integrate artificial and natural lighting.				✓	✓
	4 Promote specific displays with dynamic or selective lighting.				✓	✓
Education buildings	1 Match lighting in use to activity and occupancy levels.				✓	✓
	2 Provide convenient user controls to allow lighting to be set to match presentation needs.				✓	✓
Hospitals	1 In clinical, 24 hour, areas (e.g. wards) take full advantage of daylight and provide simple change over to night lighting.				✓	✓
	2 Manage overall lighting scheme to ensure optimum energy consumption.				✓	✓
	3 Link to safety systems to provide adequate escape lighting in an emergency.				✓	✓
Transport	1 Lighting to be maintained during all occupied periods for safety and security.		O		✓	✓

Key: O = Optional
✓= Standard