

# L1 GENERAL HIGHWAY LIGHTING

## Role and use

- Used only on main carriageways of Boulevards and Gates.
- All columns capable of carrying traffic signs up to 0.6 sq.m in area, bins, cameras and pedestrian push-buttons.
- Some columns to be capable of carrying mounted traffic signal aspects and pedestrian signal aspects.
- To prevent glare, no part of lamp to protrude below optic.
- Able to be monitored remotely using the SELC2000 electronic variable ballast system node and filter, with switch on and switch off facilities (70 lux and 35 lux). Uses attached mini cell supplied with ballast.

## Positioning

- Minimum distance from trees 3m.
- Feeder pillars positioned outside the pedestrian 'clear zone.'

## Material/finish

- 'Denver sweep' lantern.
- Columns: painted and lacquered galvanised steel in RAL9007.
- Lanterns: aluminium, painted in RAL9007 colour. No glued parts.
- Lamps: white light.
- Advertising banners on lamp columns should be attached with flexible spring loaded arms. Banners over 1700mm x 600m cannot be accommodated.

## Installation & Maintenance

- Supplied with node, filter, ILON, relevant software ADSL line and feeder pillars if on a development site (or space for these to be fitted in the future if installed by the Council).
- Planted root base detail.
- Columns washed down every five years; no painting required.
- Damaged columns taken down and recycled.

Note: All listed products shall be from approved suppliers. Alternative suppliers of products meeting the specifications listed above may be used following submission of alternatives for approval by the 'Engineer' to ensure full compliance with CMK Handbook requirements.



Example product



Example product

## Available from

Lanterns:  
Holophane Europe Ltd  
Headquarters, Bond Avenue  
Milton Keynes, MK1 1JG  
Tel: 01908 649292  
info@holophane.co.uk

Columns:  
Stainton Metal Company Limited  
Dukesway  
Teaside Industrial Estate  
Thornaby, Stockton-on-Tees  
TS17 9LT  
Tel: 01642 766242  
www.stainton-metal.co.uk

# L1 GENERAL HIGHWAY LIGHTING

## Dimensions

- 8m tall.
- Columns: conically tapered sweep from 186mm diameter to 76mm spigot, or as agreed with the engineer.

## Standards

- Design to BS5489:2003 in conjunction with BS EN13201:2003.
- Design luminance to ME3A and conflict areas at junctions to CE2.
- Lantern protection to BSEN60529:1992 – Category IP66 preferred. Unless otherwise agreed with the authorising officer.

## Additional Comments:

- Further comply with the specification for street lighting prepared by Milton Keynes Council (Section 5).

# L2 HIGHWAY AND FOOTWAY LIGHTING

## Role and use

- Used only on Streets, Cross-streets, surface car parking areas, Park Extension Redways and private areas as agreed with the Council.
- Columns capable of carrying traffic signs up to 0.6 sq.m in area.
- To prevent glare, no part of lamp to protrude below optic.
- Able to be monitored remotely using the SELC2000 electronic variable ballast system node and filter, with switch on and switch off facilities (70 lux and 35 lux) to avoid the need for a separate photocell.

## Positioning

- Longitudinal spacing to suit design detail and in line with new installations in the area.
- Offset to kerb face to match existing or to be consistent in new developments, minimum 0.8m.
- Minimum distance from trees 2m.
- Feeder pillars positioned outside the pedestrian 'clear zone.'

## Material/finish

- 'Milano' lantern.
- Columns: painted and lacquered galvanised steel in RAL9007.
- Lanterns: aluminium, painted in RAL9007 colour. Four straight arms. No glued parts. Flat toughened glass.
- Lamps: White light.
- Where appropriate double headed Milano lanterns can be used.

## Installation & Maintenance

- Supplied with node, filter, ILON, relevant software ADSL line and feeder pillars if on a development site (or space for these to be fitted in the future if installed by the Council).
- Columns washed down every five years; no painting.
- Damaged columns taken down and recycled.

## Dimensions

- 5.5m column height, this makes the light source 6m high for calculation purposes.

Note: All listed products shall be from approved suppliers. Alternative suppliers of products meeting the specifications listed above may be used following submission of alternatives for approval by the 'Engineer' to ensure full compliance with CMK Handbook requirements.



Example product



Example product: Double headed

## Available from

Lanterns:  
DW Windsor, Pindar Road  
Hoddesdon, Hertfordshire  
EN11 0DX  
Tel: 01992 474600  
[www.dwwindsor.co.uk](http://www.dwwindsor.co.uk)

Columns:  
Stainton Metal Company Limited  
Dukesway  
Teaside Ind Estate, Thornaby,  
Stockton-on-Tees, TS17 9LT  
Tel: 01642 766242  
[www.stainton-metal.co.uk](http://www.stainton-metal.co.uk)

## L2 HIGHWAY AND FOOTWAY LIGHTING

- Column: conically tapered from 145mm diameter to 76mm spigot, or as agreed with the engineer.
- Bracket: none.

### Standards

- Design to BS5489:2003 in conjunction with BS EN13201:2003.
- Design luminance to CE2; footways and Park Extension redways to S4.
- Lantern protection to BSEN60529:1992 – Category IP66 preferred.

### Additional Comments:

- Further comply with the specification for street lighting prepared by Milton Keynes Council (Section 5).

Note: All listed products shall be from approved suppliers. Alternative suppliers of products meeting the specifications listed above may be used following submission of alternatives for approval by the 'Engineer' to ensure full compliance with CMK Handbook requirements.

# L3 FEATURE FOOTWAY LIGHTING

## Role and use

- Used only on triangular shaped approaches to underpasses in CMK.
- Capable of carrying signs up to 0.3 sq.m in area.
- Should be able to take SELC remote monitoring at a future date as its not available yet.

## Positioning

- Feeder pillars positioned outside the pedestrian 'clear zone.'

## Material/finish

- 'Totem' lantern.
- Columns: galvanised steel (Grade 304 or 316); bead blasted lacquered finish.
- Lanterns: aluminium, painted in RAL9007 colour. No glued parts.
- Lamps: White light.

## Installation & Maintenance

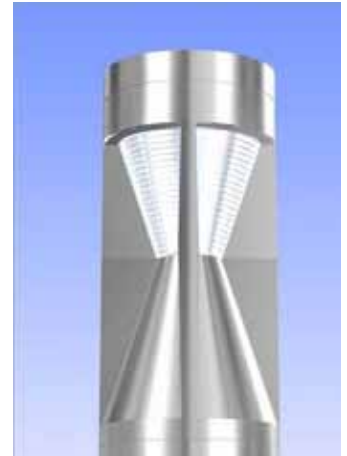
- Provision to be made for future connectivity to the remote monitoring system.
- Columns washed down every five years; no painting required.
- Damaged columns taken down and recycled.

## Dimensions

- 3m tall.
- Column: 89mm diameter.
- Bracket: None.

## Standards

- Design to BS5489:2003 in conjunction with BS EN13201:2003.



Example product



Example product

## Available from

DW Windsor, Pindar Road  
Hoddesdon, Hertfordshire  
EN11 0DX  
Tel: 01992 474600  
[www.dwwindsor.co.uk](http://www.dwwindsor.co.uk)

Note: All listed products shall be from approved suppliers. Alternative suppliers of products meeting the specifications listed above may be used following submission of alternatives for approval by the 'Engineer' to ensure full compliance with CMK Handbook requirements.

## L3 FEATURE FOOTWAY LIGHTING

- Design luminance to S4.
- Lantern protection to BSEN60529:1992 – Category IP66 preferred.

### Additional Comments:

- Further comply with the specification for street lighting prepared by Milton Keynes Council (Section 5).

Note: All listed products shall be from approved suppliers. Alternative suppliers of products meeting the specifications listed above may be used following submission of alternatives for approval by the 'Engineer' to ensure full compliance with CMK Handbook requirements.

# L4 SUBWAY LIGHTING

## Role and use

- Used only on underpasses in CMK.
- Provision to be made to attach to the remote monitoring system in the future.

## Positioning

- Feeder pillars positioned outside the pedestrian 'clear zone.'

## Material/finish

- Lanterns: DW Windsor subway fitting types 1 and 2.
- Lamps: T5 fluorescent.

## Installation & Maintenance

- Supplied with node, filter, ILON, relevant software ADSL line and feeder pillars if on a development site (or space for these to be fitted in the future if installed by the Council).
- Provision to connect to the remote monitoring system at a later date.

## Dimensions

- In line with current recess dimensions.

## Standards

- Designed to BS5489:2003 until a new one is issued.

## Additional Comments:

- Further comply with the specification for street lighting prepared by Milton Keynes Council (Section 5).



Example product

Please contact  
Milton Keynes Council  
for further details

## Available from

DW Windsor  
Pindar Road  
Hoddesdon  
Hertfordshire  
EN11 0DX  
Tel: 01992 474600  
[www.dwwindsor.co.uk](http://www.dwwindsor.co.uk)

Note: All listed products shall be from approved suppliers. Alternative suppliers of products meeting the specifications listed above may be used following submission of alternatives for approval by the 'Engineer' to ensure full compliance with CMK Handbook requirements.

