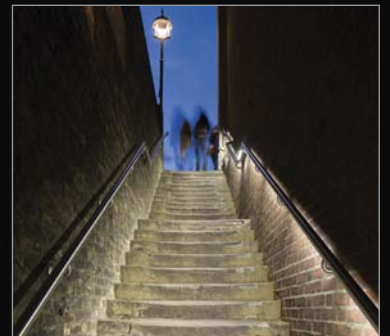


# Garda

## LED | Illuminated Handrail

**Garda is an innovative new LED Handrail in grade 316 stainless steel, providing a high-performance task lighting solution: for light where needed.**

Designed to provide a choice of genuine asymmetric or symmetric lighting distributions, Garda offers specifiers an extremely stylish, virtually maintenance free solution, with market-leading photometric performance and uniformity.



Essex Street, City of London



Lea Bridge Towpath, Hackney



Peckham Square, Southwark

# Garda LED Handrail

IP66 - IK10 – Class III

## Features:

- Bespoke LED handrail and balustrade system
- Market-leading photometric performance, with unparalleled uniformity
- Choice of genuine asymmetric or symmetric distribution
- Available in straight or flexible modules for straight, curved or arched rails
- Dimmable
- Stainless steel grade 316
- Part K compliant to 1.5 kN at 1.5m stanchion centres
- In excess of 60,000 hours service life (to 70% output)
- Virtually maintenance free

## Options

### Sizes:

Linear and flexible modular lengths available;

300mm

600mm

900mm

1200mm

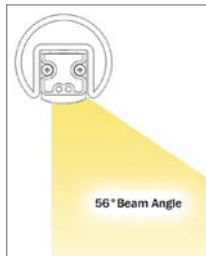
### Optical Control:

Asymmetric distribution – prismatic lens/reflector

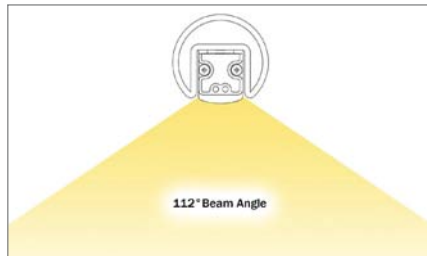
Symmetric distribution – prismatic lens

### Lighting Distribution

Asymmetric



Symmetric



### Light Source:

300mm	White LED 3.6W (3 LED)
600mm	White LED 7.2W (6 LED)
900mm	White LED 10.8W (9 LED)
1200mm	White LED 14.4W (12 LED)

4,000K (neutral white) & 3,000K (warm white)

CRI 75 / 85

### Balusters:

Circular stanchions as standard

Square and other shapes on request

### DW Windsor Lighting

Pindar Road, Hoddesdon, Hertfordshire, EN11 ODX

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E-mail: [garda@dwwindsor.co.uk](mailto:garda@dwwindsor.co.uk)

Follow us: @DWWindsor

[www.dww-garda.com](http://www.dww-garda.com) / [www.dwwindsor.com](http://www.dwwindsor.com)



## Other:

Supply options 24V to 48V AC or DC, Class III SELV, 350mA

Range of power supplies available

Emergency option available (3 hour duration)

Anti-tamper screws fitted as standard

A wide selection of infill options and materials are available

'Warm to touch' coating available

## Materials

### LED module

### Body:

Anodised extruded aluminium

### End Caps:

Injection moulded polycarbonate

### Glazing:

Extruded polycarbonate

### Railing system:

Rail & Stanchions: Stainless Steel (grade 316)

Garda can be specified according to any of the below standards;

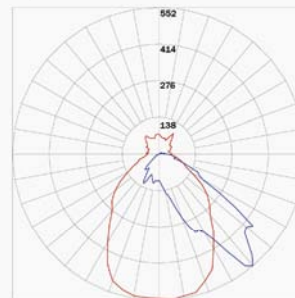
Part K: Building Regulations

BS5395: Code of practise for the design of stairs with straight flights and winders

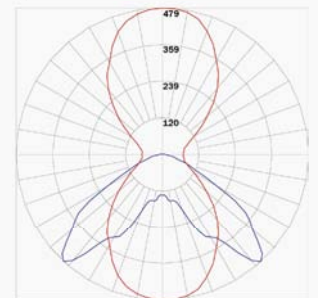
DDA: Disability Discrimination Act

### Photometric Performance

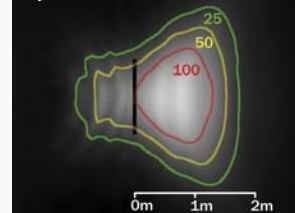
Asymmetric



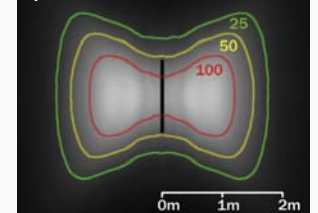
Symmetric



Asymmetric



Symmetric



Dimensions

