



LAMP SPECIFICATIONS:	
Lumens total flux	<b>1800 lm</b>
Rated Wattage	20W
Rated luminous flux	1800 lm
Nominal life time of the lamp	25,000 hrs
Colour temperature	3000K
Number of switching cycles before premature lamp failure	20,000
Warm-up time up to 60 % of the full light output	Instant full light
Dimmable	No
LED strip dimensions (L/W)	270 x 60mm
Nominal beam angle	160°
Rated power	20W
Rated lamp lifetime	25,000 hrs
Lamp power factor	0.85
Lumen maintenance factor at end of nominal life	70%
Starting time	<0.5s
Colour rendering	>80
Colour consistency	Within 6 step Macadam ellipse
Rated peak intensity	540cd
Rated beam angle	160°
Voltage	240V

**Eterna** PERLED20

 This luminaire contains built-in LED lamps.

**A++**  
**A+**  
**A**  
~~**B**~~  
~~**C**~~  
~~**D**~~  
~~**E**~~ } **LED**

The lamps cannot be changed in the luminaire.

874/2012 



## INSTALLATION INSTRUCTIONS

A guide for qualified electricians



**Pack contents:**

20W perimeter LED light with IP rated wiring connection box and wall mounting bracket

Model:  
**PERLED20**

**20W LED Perimeter Light**

These instructions are provided as a guideline to assist you.

**PLEASE READ THESE INSTRUCTIONS BEFORE INSTALLATION AND RETAIN FOR FUTURE REFERENCE**

**EVENTUALLY, YOU MAY WANT TO REPLACE THIS PRODUCT:**

Regulations require the recycling of Waste from Electrical and Electronic Equipment (European "WEEE Directive" effective August 2005—UK WEEE Regulations effective 2nd January 2007). Environment Agency Registered Producer: WEE/ GA0248QZ.

WHEN YOUR PRODUCT COMES TO THE END OF ITS LIFE OR YOU CHOOSE TO REPLACE IT, PLEASE RECYCLE IT WHERE FACILITIES EXIST - DO NOT DISPOSE WITH HOUSEHOLD WASTE.

**CLEANING:**

Disconnect the power and clean the exterior only of this fitting with a moist (not wet) cloth.

Do not use any chemical or abrasive cleaners.

**IF YOU EXPERIENCE PROBLEMS:**

If you believe your product is defective, please return it to the place where you bought it. Our Technical Team will gladly advise on any Eterna Lighting product, but may not be able to give specific instructions regarding individual installations.



Email: [sales@eterna-lighting.co.uk](mailto:sales@eterna-lighting.co.uk) / [technical@eterna-lighting.co.uk](mailto:technical@eterna-lighting.co.uk)

Visit our website: [www.eterna-lighting.co.uk](http://www.eterna-lighting.co.uk)

Made in China

## READ THIS FIRST:

Check the pack and make sure you have all of the parts listed on the front of this booklet. If not, contact the outlet where you bought this product.

This product must be installed by a competent person in accordance with the current building and IEE wiring regulations.

As the buyer, installer and/or user of this product it is your own responsibility to ensure that this fitting is fit for the purpose for which you have intended it. Eterna Lighting cannot accept any liability for loss, damage or premature failure resulting from inappropriate use.

This product is designed and constructed according to the principles of the appropriate British Standard and is intended for normal service. Using this fitting in any other environments may result in a shortened working life, for example where there is prolonged periods of use.

Switch off the mains before commencing installation and remove the appropriate circuit fuse or lock off MCB.

This unit is suitable for outdoor use.

This product is designed for permanent connection to fixed wiring: this must be a suitable circuit (protected with the appropriate MCB or fuse).

This product is suitable for installation on surfaces with normal flammability e.g. wood, plasterboard and masonry.

Before making fixing hole(s), check that there are no obstructions hidden beneath the mounting surface such as pipes or cables.

Make sure that the fixings are strong enough to support the considerable weight of the fitting and hold it rigidly.

The lamp must be positioned so that there is at least 0.5m (500mm) between the bulb and any illuminated surface.

When choosing the location for your new fitting, ensure that the fixings will be anchored in a solid surface e.g. concrete, brick or a joist—do not fix directly onto panelling, cladding, plasterboard etc.

Do not attach to surfaces which are damp, freshly painted or otherwise electrically conductive (e.g. metallic surfaces).

When making connections ensure that the terminals are tightened securely and that no strands of wire protrude. Check that the terminals are tightened onto the bared conductors and not onto any insulation.

This fitting is double insulated; do not connect any part to earth.

This product is not intended to be used by children and persons with sensory, physical and/or mental impairments that would prevent them from using it safely.

You are advised at every stage of your installation to double-check any electrical connections you have made. After you have completed your installation there are electrical tests that should be carried out, these tests are specified in the current IEE wiring and building regulations.

## IMPORTANT:

**PERLED20 PHOTOCELL** - Do not install under eaves or in a location of frequent shadow that will prevent the light from switching off when required. Do not install near other sources of bright light that will prevent the light from switching on when the ambient light level falls.

**DO NOT CARRY OR LIFT THE PERIMETER LIGHT BY THE MAINS SUPPLY CABLE!**

## PLEASE NOTE:

**THE PHOTOCELL OPERATES IN NATURAL LIGHT, THIS SHOULD NOT BE TESTED USING ARTIFICIAL LIGHT (LED, ENERGY SAVING LAMP ETC).**

## LAMP REPLACEMENT:

**The light source is designed to last the lifetime of the luminaire.**

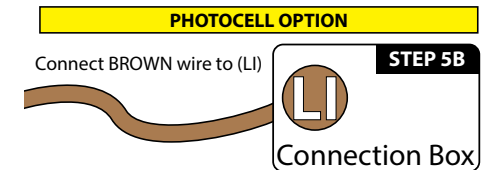
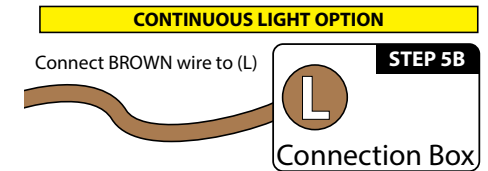
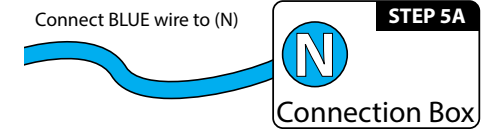
The light source contained in this luminaire shall only be replaced by the manufacturer, service agent or a similar qualified person.

**CAUTION, RISK OF ELECTRIC SHOCK.**



## INSTALLATION:

1. Choose the location for your new light fitting giving considerations to the points listed opposite and take account of mounting height for area to be lit.
2. Isolate mains.
3. Mark fixing points by using the fixing bracket as a template and drill fixing holes, according to your chosen fixing method.
4. Make connections in the IP65 rated connection box, ensuring the Live, and Neutral polarities are observed.
- 5A) Connect blue wire to Neutral terminal marked (N).
- 5B) Connect brown wire to live terminal marked (L) (light to stay on continuously) or connect brown cable to terminal marked LI (if you want photocell operation).
6. Restore power and test the luminaire.



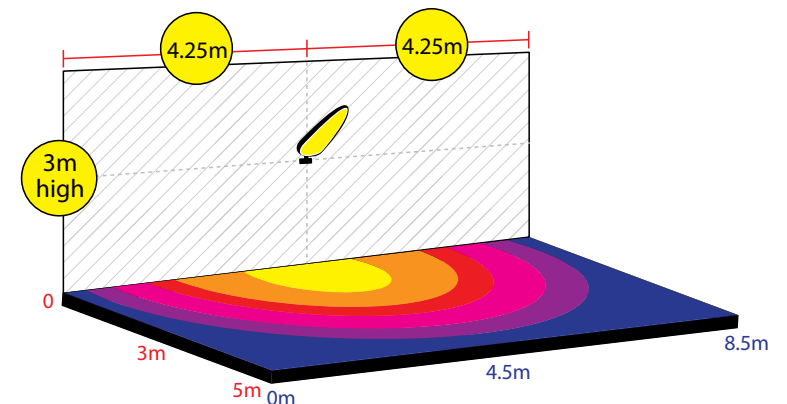
# PERLED20 Illuminance Area

## EXAMPLE FOR MEDIUM TRAFFIC PARKING AREAS

**>=10 LUX AVERAGE**

Office buildings • Plants • Sports & Multipurpose Building Complexes

Illuminance (Lux)



**Based On Maintenance Factor 0.8**