
From: Nathan Tonge <nathan.tonge@eurogarages.com>
Sent: 19 April 2022 08:59
To: Osborne, Lee
Subject: External Mail: RE: 21/00931/FUL - Coppice Lane
Attachments: Design Report 40570B Combined.pdf

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Hi Lee,

The drainage design reflect the approved and please see attached the lighting installed.

Unfortunately, I don't have records of the lighting approved, my apologies.

Kind regards,

Nathan Tonge

Senior Planner

Property

☎ 01254 582111

📠 07496 156 350

✉ nathan.tonge@eurogarages.com

Euro Garages Limited

Euro House | Waterside | Haslingden Road

Blackburn | BB1 2FA | United Kingdom



Disclaimer

All offers subject to EG Group's UK Board Approval and Subject to Contract

From: Osborne, Lee <Lee.Osborne@knowsley.gov.uk>

Sent: 14 April 2022 10:52

To: Nathan Tonge <nathan.tonge@eurogarages.com>

Subject: 21/00931/FUL - Coppice Lane

Importance: High

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Hello Nathan

With regard the above site can you confirm that the drainage installed for the KFC drive-thru site is the same as the approved scheme for the site and Phase 2 of the overall (Boot 62) site; if not can you supply the drainage scheme installed and state on the covering correspondence what the differences between the approved and the installed are? Likewise can you confirm that the lighting installed to the site is that which has been approved, and if not supply the lighting scheme details of the installed scheme and state in the covering correspondence what the difference(s) between the approved and installed lighting scheme are?

Thank you

Lee

Lee Osborne
Senior Planner
Planning

Telephone: 0151 443 2395

Knowsley Council, Nutgrove Building - Second Floor, Westmorland Road, Huyton, Knowsley, L36 9FB





Kingfisher
Lighting

Eurogarages, Earlsfield,
Knowsley Lane, Huyton

Kingfisherlighting.com

STREET • AMENITY • ARCHITECTURAL • AREA

FAO Tom Ashton

Express Electrical (Stockport)
Unit 9b Bankside Business Park
Coronation Street
Off Sandy Lane
Stockport
Cheshire
SK5 7PG

Monday 5th January 2022

RE – Eurogarages, Earlsfield, Knowsley Lane, Huyton

Dear Tom,

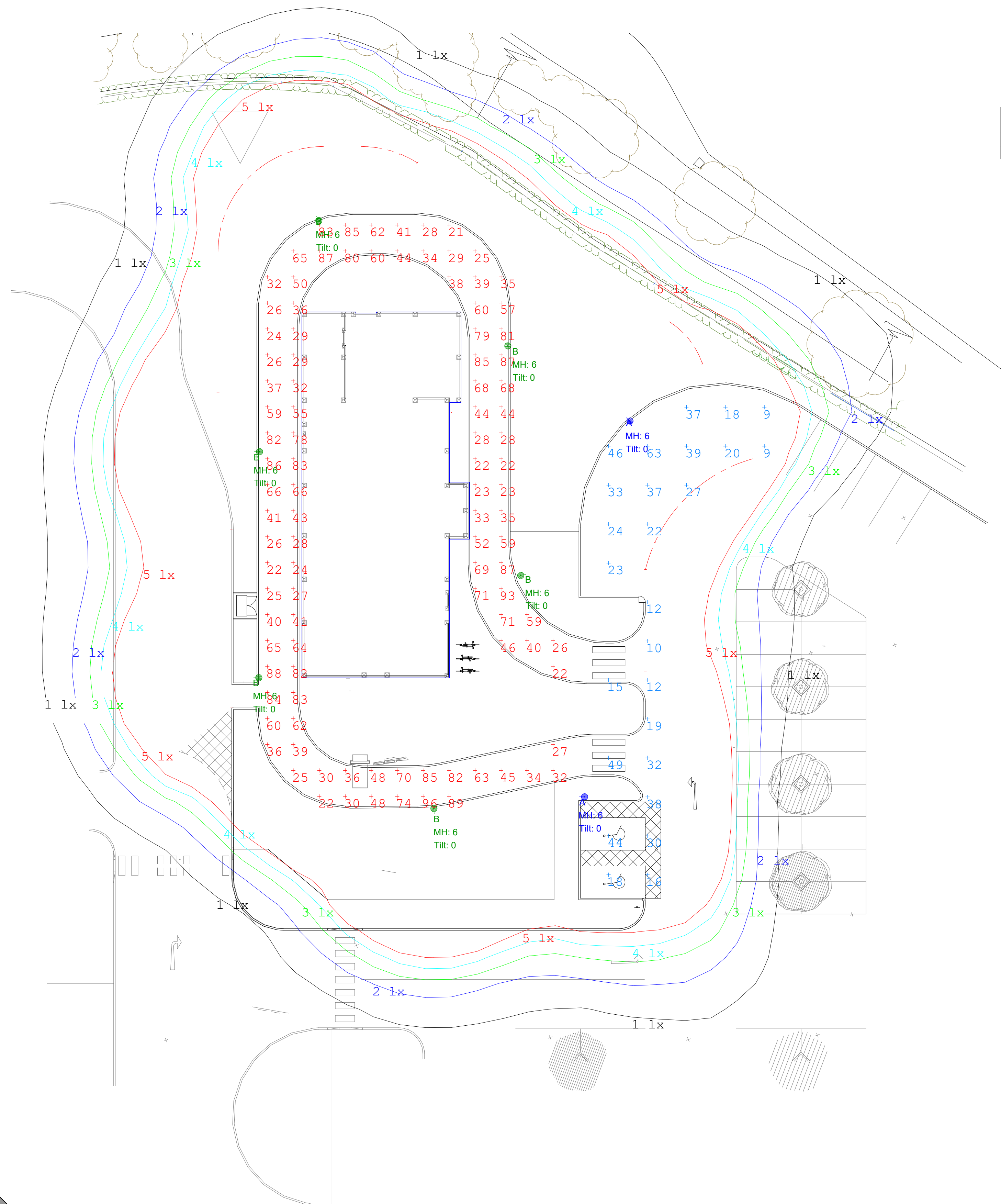
The design has been done to cover Car Parking areas to provide a 20 lux average with 25% uniformity in accordance with BS 5489. The Drive Thru's have been lit to a 50lux average with 40% uniformity. The Auriga 2.0 Luminaire has been selected in keeping with the previous designs done for the Eurogarages sites we have done. A 6m column has been selected as the site will accommodate passenger vehicles in the Drive Thru lanes as well as in the car park area.

We trust that the above information is satisfactory. If you have any further questions, please don't hesitate to contact me on either 01623 415 900 or projectdesign@kingfisherlighting.com

Yours sincerely,

Lewis Clarke,

Lighting Applications Engineer.



Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Min/Avg	Min/Max
Car Parking	Illuminance	Lux	27.00	63	9	0.33	0.14
Drive-Thru	Illuminance	Lux	50.97	96	21	0.41	0.22

Luminaire Schedule					
Symbol	Qty	Label	Arrangement	LLF	Description
	2	A	SINGLE	0.900	60w LED 4000k Auriga 2,0 805mA post top or side entry with T4A Optic column mounted at 6m
	6	B	SINGLE	0.900	80w LED 4000k Auriga 2,0 555mA post top or side entry with T4A Optic column mounted at 6m

BREEAM New Construction 2018 (UK)

40570B - Eurogarages, Earlsfield, Knowsley Lane, Huyton

Qty	Range	Light Source	Lamp Lumen	Circuit Wats	lm/W	LOR	Luminance Lumens	ULOR	Upward Lens	RA	AST Hour Per Day	CO ₂ Calculation for year	
												Cal	Kwhour
6	Auriga LED	Ebe TAA LED	20400	80	130.00	100.0%	62400	0.4%	250	60	12	1.15	2302.40
2	Auriga LED	Ebe TAA LED	47900	60	731.50		95800	0.4%	350	60	12	0.29	603.60

Total Installation Lumens	70500.00	Total ULR	<u>0.40%</u>
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Table 1 compliance	
Environmental zone	63

Total CO ₂ per year (Tonnes)	1.43
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Sky Glow	Target	Achieved	Status
	5,000%	0.000%	Below

Total Electrical consumption (Kw)	0.60
Total Electrical consumption per year (Kwh)	2 628.00

Source Intensity (candelax)			
Pre curlew	10,000		Pass

Average luminaire lamens per circuit Watt	118.90
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Light Trespass into windows (lux)					
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Post curfew	2		Pass
Building Luminance (cd/m²)	50		

Compliance Status:

Pos 04	Reduction in night time light pollution	Pass
Env 03	Energy efficient external lighting	Pass
Hea 01	Internal and external lighting levels	Pass

Note - REARM in this report only applies to exterior lighting

Kingfisher Lighting Ltd
Ratcliff Way, Crown Farm Business Park
Mansfield, Nottinghamshire

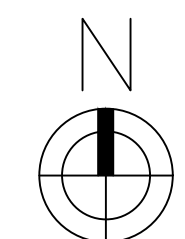
T: +44 (0)1623 415900
E: sales@kingfisherlighting.com
W: www.kingfisherlighting.com

Part of the Luceco plc group of companies 

VAT No. 509145848 Company No. 2236337



express electrical



Eurogarages, Earlsfield, Knowsley Lane, Huyton		Scale 1:200 at A1	Project Number D40570B
  	For our LED lighting designs a 0.9mf has been used, if this differs from the maintenance period for this project then you must advise us accordingly	Date 5 January 2022	Drawing No. D40570/LC/B
		Lighting Designer : L Clarke	

A lighting applications design service is provided by us in good faith and without charge, relating to Kingfisher products only. As such, whilst every endeavor is made for accuracy from information provided by yourselves, the final responsibility for the suitability of the design lies with the client. The company cannot, therefore, accept any liability or consequential loss incurred.

Datasheet

Auriga 2.0



Product Description

A functional and contemporary luminaire suitable for a variety of applications. Auriga 2.0 also comes in a stirrup mounted version.

Specification Text

The luminaire shall be manufactured from high-pressure die-cast aluminium. It shall have an LED efficacy of up to 137.0 lm/W and will be capable of producing up to 8,240 luminaire lumens at 4000K with a CRI >70. It shall have an asymmetric forward throw optic and is rated at IP66 and IK08.

Specification

Weight: 9.5 - 11.0kg

Windage: 0.08 - 0.11m²

Material: Die-cast Aluminium

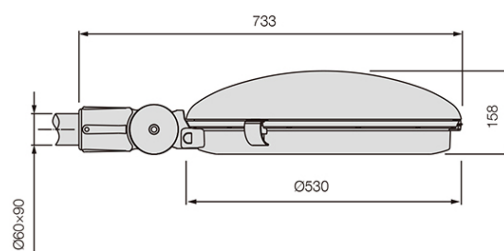
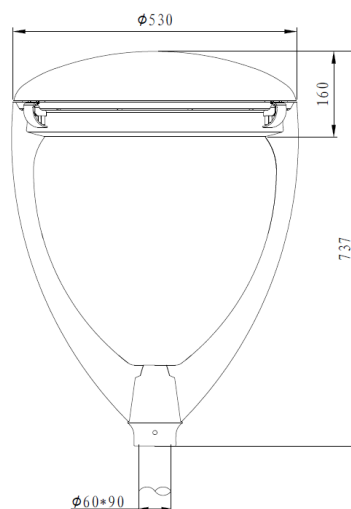
Paint finish: RAL7016 Anthracite Grey Finish

Key Features

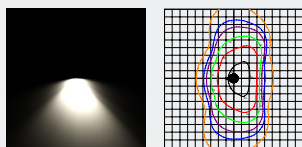
- 22.0 - 60.0W
- 2,970 - 8,240 Luminaire Lumens
- Efficacy up to 137.0 lm/W
- 4000K, CRI >70
- Lifetime >70,000hr, L70



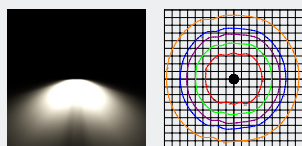
Dimensions



Optics



Asymmetrical Street Optic Wide



Symmetrical 90° Optic

Code	Power	Luminaire Lumens	Drive Current	Optic	CCT(K)	IP	IK	Weight kg	Paint Finish	Driver Included
AURPS22T3AF	22.0	3,021	460	Asymmetrical Street Optic - Wide	4000	IP66	IK08	9.5	RAL7016 Anthracite Grey Finish	Driver inc
AURPS40T3AF	40.0	5,493	805		4000	IP66	IK08	9.5	RAL7016 Anthracite Grey Finish	Driver inc
AURPS60T3AF	60.0	8,240	805		4000	IP66	IK08	9.5	RAL7016 Anthracite Grey Finish	Driver inc
AURST22T1F	22.0	2,970	460	Symmetrical 90° Optic	4000	IP66	IK08	11.0	RAL7016 Anthracite Grey Finish	Driver inc
AURST40T1F	40.0	5,400	805		4000	IP66	IK08	11.0	RAL7016 Anthracite Grey Finish	Driver inc
AURST60T1F	60.0	7,950	805		4000	IP66	IK08	11.0	RAL7016 Anthracite Grey Finish	Driver inc



Accessories & Options

Mounting Options

- Post Top 60/76mm, Side Entry 60/76mm

[Contact for details](#)

Other Options

- Part Night Dimming
- Wireless Controls
- Colour Temperature Option
- Photocell Option
- Emergency Option

[Contact for details](#)



7. Warranty

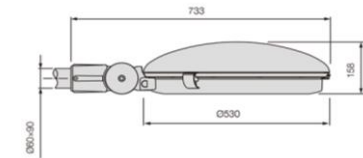
Kingfisher Lighting Ltd offer a 5-year warranty on all LED luminaires on the basis that they are installed and operated in accordance with the manufacturer's instructions and within all thermal, electrical and environmental limitations. Any modifications made to the product by the customer will invalidate the warranty. Kingfisher Lighting Ltd reserve the right to repair or replace products at their discretion. Replacement of products does not include costs associated with installation. Terms and conditions apply.

Kingfisher Lighting
Ratcher Way
Crown Farm Business Park
Mansfield
Nottinghamshire
NG19 0FS
UK
T: +44 (0)1623 415900
E: sales@kingfisherlighting.com

www.kingfisherlighting.com

Auriga 2.0

Please read instructions before installing!



1. Intended use.

The luminaire is intended external lighting applications. Any deviation from its intended use will not be covered by warranty.

2. General Safety

This luminaire is classified under EXEMPT GROUP according to photobiological safety standard IEC/EN 62471.

NO RISK for the operators and end users.



Caution risk of electric shock!

This unit must be fitted by a competent and qualified electrician.

Before carrying out maintenance and installation on the luminaire, disconnect from the mains supply and ensure that all power is switched off.

- Do not operate luminaires with damaged or missing safety glass.
- When installing, IEE wiring regulations and current building regulations must be observed.
- The light source contained in this luminaire shall only be replaced by the manufacturer or his service agent or a similar qualified person.

3. Specification

Depending upon model

Voltage: 220-240V ~ 50/60Hz

Wattage: 22 – 60W

IP: 66

Weight: 11kg

Min mounting height: 2.8M

4. Information symbols



This is a class 1 product and must be earthed.



In accordance with EU Directive WEEE (Waste Electrical and Electronic Equipment), luminaires must not be disposed of with other household waste. At the end of their life, luminaires must be taken to the appropriate local facility available for the disposal or recycling of electronic products.

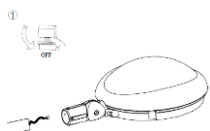


Replace any cracked protective shield

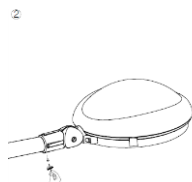


Do not stare into the light source.

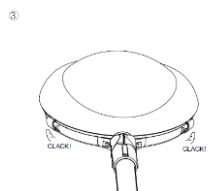
5. Installation instruction Stirrup mount



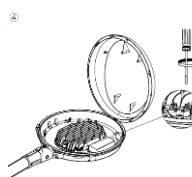
Ensure Power is disconnected. Root wiring through base of the unit.



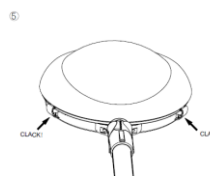
Tighten unit to the column via grub screws at the base.



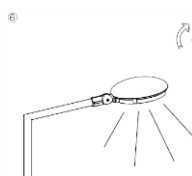
Open top of the unit by releasing the head retaining clips.



Wire cabling as per the wiring instructions



Re-fasten top of the unit.



7. Wiring instructions



Warning ensure power is disconnected before attempting any wiring!

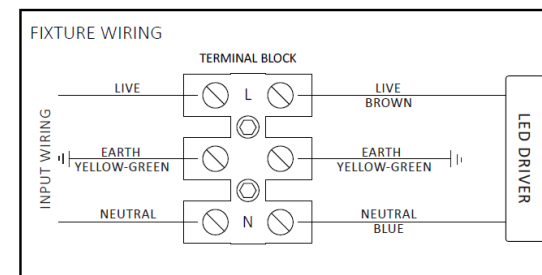
STEP 1:

Make the following Electrical Connections:

- Connect **INPUT EARTH** conductor to **YELLOW-GREEN WIRE** position of the terminal block, marked ⊕.
- Connect **INPUT VOLTAGE** conductor to **BROWN WIRE** position of the terminal block, marked L.
- Connect **INPUT NEUTRAL** conductor to **BLUE WIRE** position of the terminal block, marked N.

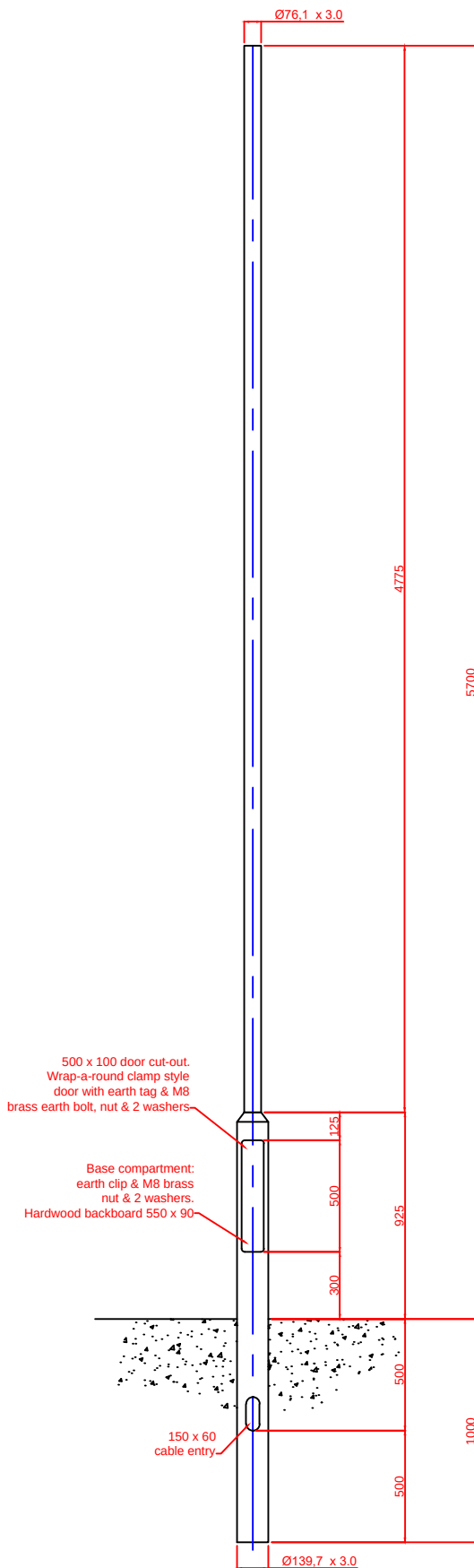
STEP 2:

Make sure all excess input wires are inserted into terminals and screws are tightened.

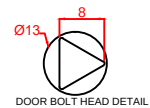


Input cable should be at least H05RN-F 3x1.0mm² (SJTW 18AWG) or outdoor grade cable with rubber sheath (not supplied). The cable must have a minimum cross-sectional area of 1.0mm²(18AWG).

When installing luminaires with an integral photo cell fitted care should be taken not to mount the luminaire in such a position that the photo cell can see another external light source as this could cause nuisance switching of the luminaire.



Material: BS EN 10219 or equivalent
 Design: BS EN 40
 Finish: Galvanise to BS EN 1461:1999
 Welding: In accordance with BS 5135
 Procedures to BS EN 288
 Welders qualified to BS EN 287



Detail of change:	C 4775 was 5075, 5700 was 6000 RH 10-6-15	 Kingfisher Lighting Ltd	Title: 6CT76 Lighting Column	
Detail of change:	B 6000 was 5700, 5075 was 4775 30-03-2010 RH		Drawn: RJH	Drawing No: KL 3173
Detail of change:	Updated template RH 30/01/07		Date: 30/01/2007	Issue: D
© ALL RIGHTS RESERVED KINGFISHER LIGHTING LTD 2007			Material: BS EN 10219 or equivalent	All dimensions in mm(unless otherwise stated)