



Kingfisher
Lighting

Eurogarages Asda, Havant,
Hampshire

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

Friday 22nd January 2021

RE – Asda, Havant, Hampshire

Dear Tom,

The design has been done to cover the access road and car parking areas to provide a 20 lux average / 0.25 uniformity as well as 50 lux average / 0.40 uniformity for the drive thru in accordance with BS 5489. The Auriga 2.0 Luminaire has been selected inkeeping 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. Luminaire mounting heights and tilt angles are shown next to each individual luminaire on the design to aid with the installation of each fitting. Where necessary, rear spill shields have been added to the columns to reduce the spill onto adjacent scrub land.

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,

Alex Eldred

Lighting Applications Engineer



Luminaire Schedule					
Symbol	Qty	Label	Arrangement	LLF	Description
5	1	A	SINGLE	0.980	60w 7000k LED Airsign 2.8 post top or side entry 4800k with TAA optic column mounted at 6m
3	3	A (Spill)	SINGLE	0.980	60w 7000k LED Airsign 2.8 post top or side entry 4800k with TAA optic column mounted at 6m with Spill Shield

Calculation Summary					
Label	CalcType	Units	Avg	Max	Min
Car Park	1 Illuminance	Lux	26.00	62	7
Drive Thru	1 Illuminance	Lux	50.00	72	24

BREEAM New Construction 2018 (UK)

Asda, Havant, Hampshire

Qty	Range	Light Source	Lamp Lumens	Circuit Watts	Lm/W	LOR	Luminaire Lumens	ULOR	Upward Lumens	RA	ART Heat Per Day	CO2 Calculation for year
8	Average LED	60w LED (BY)	4300	60	71.67	100.0%	34320	0.46	137	60	32	CO2 (Tonne) Kwh/Year

Total Installation Lumens	34320.00	Total ULR	0.46%
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Table 1 compliance				Total CO2 per year (Tonne)		1.15
Environmental zone				Total Electrical consumption (Kwh)		0.48
Big draw				Total Electrical consumption per year (Kwh)		2,102.40
Source Intensity (watt/m²)				Average luminaire lumens per circuit Watt		71.50
Pre-curve				Note - we have not been able to calculate this as no housing is shown on the drawing		
Post-curve				Note - we have assumed no fittings will be left on Post-curve		
Light Trespass into windows (Lux)				Note - we have not been able to calculate this as no housing is shown on the drawing		
Pre-curve				Note - we have assumed no fittings will be left on Post-curve		
Post-curve				Note - we have assumed no fittings will be left on Post-curve		
Building Luminance (cd/m²)						
Compliance Status						
Pre-curve				Pass		
Post-curve				Pass		
Pre-curve				Pass		
Post-curve				Pass		

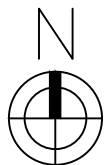
Note - this report only applies to exterior lighting

Kingfisher Lighting Ltd
Ratcliffe Way, Crown Farm Business Park
Mansfield, Nottinghamshire
NG19 0FS

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



Asda, Havant, Hampshire		Scale 1:250 at A2	Project Number D39569B
		Date 22 January 2021	Drawing No. D39569/AE/B
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		Lighting Designer : A Eldred	

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.



**Kingfisher
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Datasheet

Auriga 2.0 Series



Specification Text

The luminaire shall be manufactured from high pressure die-cast aluminium. It shall have an LED efficacy of up to 136 luminaire lm/W and will be capable of producing up to 7950 luminaire lumens at 4000K with a CRI >70. It shall be rated at IP66 and IK08.

Specification

Weight: 9.5 - 13.5 kg
Windage: 0.15m²
Material: Die-cast Aluminium
Paint Finish: Anthracite Grey

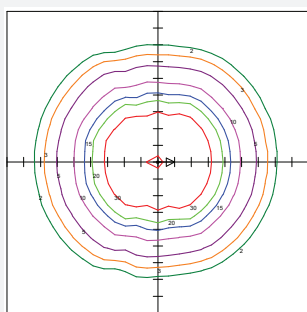
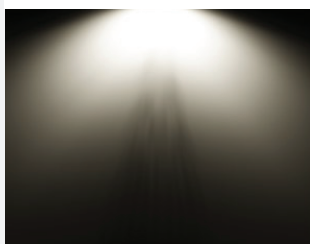
Key Features

- 22W - 60W
- 2,992 - 7,950 Luminaire Lumens
- Efficacy up to 136 lm/W
- 4000K, CRI >70
- Lifetime >70,000hr
- Symmetrical - Stirrup
- Asymmetrical - Post top/ side entry
- Post Top/ side entry 60mm

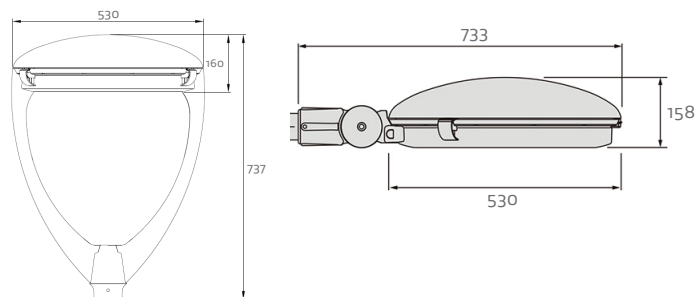


Optics

Auriga 2.0



Dimensions



All measurements in mm

Code	Power	Light Source	Luminaire Lumens	Optic	CCT(K)	IP	IK	Weight (kg)	Paint Finish
AURPS22T3AF	22W	LED	2992	Asymmetrical Street Optic Wide	4000	IP66	IK08	9.5	Anthracite Grey
AURPS40T3AF	40W	LED	5400		4000	IP66	IK08	9.5	Anthracite Grey
AURPS60T3AF	60W	LED	7950		4000	IP66	IK08	9.5	Anthracite Grey
AURST22T1F	22W	LED	2992	Symmetrical 90° Optic	4000	IP66	IK08	13.5	Anthracite Grey
AURST40T1F	40W	LED	5400		4000	IP66	IK08	13.5	Anthracite Grey
AURST60T1F	60W	LED	7950		4000	IP66	IK08	13.5	Anthracite Grey



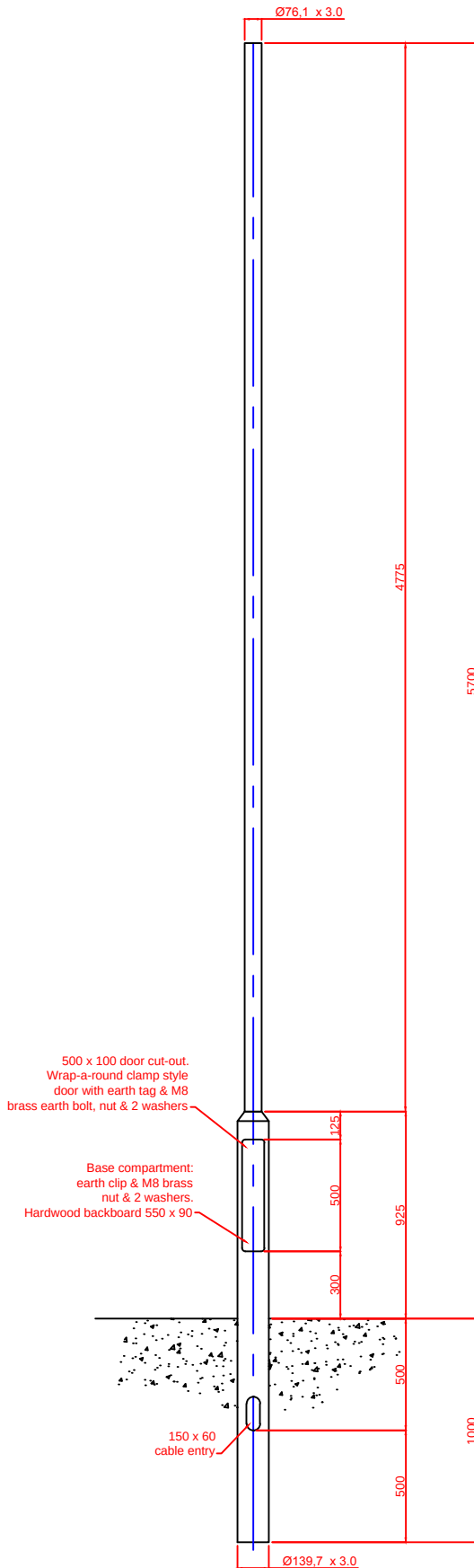
Accessories / Options

- DALI Dimmable
- Photocell options

Mounting Options

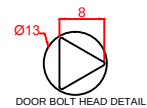
- Post Top 60mm





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