

Technical Submittal - UCLH P5 33695



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Package Number:	6000
Package Name:	Mechanical & Electrical
Company Name:	Dornan Engineering
Sub Contractor manager:	James Ryan
File Name:	P5-DES-001-ZZ-TS-E-0004
Document Title:	Type C1 Luminaire
Purpose of Issue:	See Conject for current purpose of issue.

Status by Lead Reviewer:	<i>See Conject for current status</i>
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Version History			
Revision No.	Date Issued	Prepared By	Status
P01	06/07/17	Tony McMeiken	For Approval
C01	05/12/17	Tony McMeiken	For Construction
C02	17/08/18	Peter Hefta	For Construction

Design Information and Technical Data used to prepare submittal			
Equipment Data Sheets / Schedules :	<ul style="list-style-type: none"> P5-ARP-Z0-SP-Z-0011 (Appendix 2 Luminaire Schedule) 		
Particular Specification:	<ul style="list-style-type: none"> P5-ARP-Z0-SP-Z-0004_iss2_revT02 		
Materials & Workmanship:	<ul style="list-style-type: none"> 		
Drawings:	P5-DES-001-00-DR-E-1003 P5-DES-001-03-DR-E-1004 P5-DES-001-B1-DR-E-1003 P5-DES-001-00-DR-E-1004 P5-DES-001-04-DR-E-1003 P5-DES-001-B1-DR-E-1004 P5-DES-001-01-DR-E-1003 P5-DES-001-04-DR-E-1004 P5-DES-001-B2-DR-E-1003 P5-DES-001-01-DR-E-1004 P5-DES-001-05-DR-E-1003 P5-DES-001-B2-DR-E-1004 P5-DES-001-02-DR-E-1003 P5-DES-001-05-DR-E-1004 P5-DES-001-B2-DR-E-1004 P5-DES-001-02-DR-E-1004 P5-DES-001-R6-DR-E-1003 P5-DES-001-B3-DR-E-1003 P5-DES-001-03-DR-E-1003 P5-DES-001-R6-DR-E-1004 P5-DES-001-B3-DR-E-1004		
Schematics/Diagrammatic:	<ul style="list-style-type: none"> 		
Supplementary Specs:	<ul style="list-style-type: none"> 		

Attachments *(Tick as appropriate)*

- ☒ Catalogue Details
- ☐ Design Check Calculations
- ☐ Manufacturing Drawings
- ☐ Wiring/Control Diagrams
- ☐ Sample List
- ☐ BWIC requirements
- ☐ Assembly / installation details
- ☐ O&M instructions
- ☐ List of recommended spares
- ☐ Interface and coordination with other packages
- ☐ FAT / SAT Test Requirements
- ☐ Description of Operation



Specification Compliance Statement	
<div>Technical Submission fully compliant</div> <div>If no then proposed deviations are:</div> <div><div>Y</div><div></div></div>	
Specification Requirement	Proposed Deviation

1) ARUP Data Sheets

Please refer to next page

Job Title: UCLH Phase 5

Date: 22/01/2015

Job Number: 232426-00


Purpose of Issue: Tender

Revision: T01

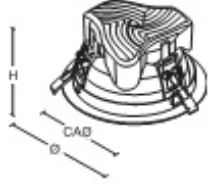
Luminaire Reference: TYPE C1

General Description

Recessed LED downlight with cast aluminium heatsink. Rapid spring assembly installation.


General Appearance


Dimensions



Ø	CAØ	H	KG	KG ²
192	165	99.1	1.0	2.0

Photometric Performance



13W LED
1100 lumens
4000K
• LOR = 100%
• SHR MAX = 1.65

Utilisation Factors UF(F)

Room Reflectance			Room Index		
C	W	F	1.00	3.00	5.00
0.70	0.50	0.20	0.81	1.03	1.08

Luminaire

Manufacturer	Whitecroft
Manufacturing standard	BS EN 60598
Catalogue number	Esprit - ESLY24K + ESLA-IP44C
Finish	White Polycarbonate
EMC	BS EN 55015

Light Source

Type	LED
Wattage	13W
Designation	1100lm
Colour / Beam	4000K - Ra min 80

Control Gear / Transformer

Type	DALI 220-240 Vac
Dimmable	No
Location (Remote/Integral)	Integral

Accessories

Lens	Clear Disc
Baffle	N/a
Other	IP 44

Location

Storage Rooms

Equipment supplied to be as specified or equal approved

Additional Information

1. All products to have a wipeable smooth clean surface. No screw heads or slots will be allowed.

2.

3.

4.

2) Catalogue Details

Please refer to next page

Project reference:

C1

Part number:

ESLY14K
ESLA-IP44C

Product description:

IP44 recessed LED downlight with cast aluminium heatsink, white polycarbonate body and bezel, and integral 1100 lumen light engine and driver. Product also comes with clear disk for installation onto luminaire by others. 165mmØ cut aperture for ceiling thicknesses of 1-30mm. Rapid spring assembly installation – as Whitecroft Lighting ESPRIT LED



Light source

Light source:

LED, 1100 lumen

Colour render index:

>80

Control gear:

Remote DALI dimmable driver

Colour temperature:

4000K

Colour consistency:

MacAdam 3 SDCM

Integral control:

N/A

Luminaire performance

LL/CW:

110.99

Light output ratio:

100.00%

Emergency

N/A

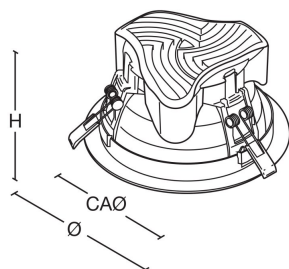
Circuit watts:

9W

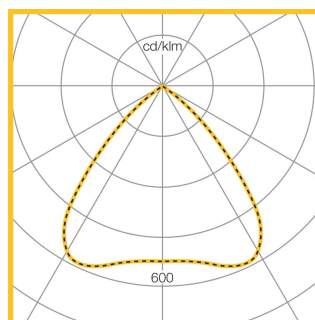
Finish

White RAL 9003

Dimensions & Weight



Polar Curve (Indicative Only)



H	KG	KG(EM)	Ø	CAØ
99.1	1	2	192	165