

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-0017
Document Title:	Type S 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	06/09/17	Tony McMeiken	For Approval
C01	30/11/17	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:	<div> <div> P5-DES-001-00-DR-E-1003 P5-DES-001-00-DR-E-1004 P5-DES-001-01-DR-E-1003 P5-DES-001-01-DR-E-1004 P5-DES-001-02-DR-E-1003 P5-DES-001-02-DR-E-1004 P5-DES-001-03-DR-E-1003 </div> <div> P5-DES-001-03-DR-E-1004 P5-DES-001-04-DR-E-1003 P5-DES-001-04-DR-E-1004 P5-DES-001-05-DR-E-1003 P5-DES-001-05-DR-E-1004 P5-DES-001-R6-DR-E-1003 P5-DES-001-R6-DR-E-1004 </div> <div> P5-DES-001-B1-DR-E-1003 P5-DES-001-B1-DR-E-1004 P5-DES-001-B2-DR-E-1003 P5-DES-001-B2-DR-E-1004 P5-DES-001-B3-DR-E-1003 P5-DES-001-B3-DR-E-1004 </div> </div>		
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 S

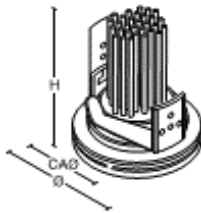
General Description

Recessed high output LED downlight for MRI scanning rooms.


Luminaire body and housing free from metallic magnetic materials.

General Appearance


Dimensions



Version	H	Ø	CAØ	KG
Fixed	100	90	80	0.84



Concert MRI 1000
54° 4000K
• LDR = 100%
• SHR MAX = 0.61

Utilisation Factors UF(F)

Room Reflectance			Room Index		
C	W	F	1.00	3.00	5.00
0.70	0.50	0.20	0.82	1.05	1.10

Luminaire

Manufacturer	Whitecroft
Manufacturing standard	BS EN 60598
Catalogue number	Concert MRI - CnmR10004KFLW
Finish	-
EMC	BS EN 55015

Light Source

Type	LED
Wattage	16.5W
Designation	1000lm
Colour / Beam	4000K - Ra min 80

Control Gear / Transformer

Type	DALI 220-240 Vac
Dimmable	Yes
Location (Remote/Integral)	Remote

Accessories

Lens	-
Baffle	-
Other	IP20

Location

MRI Room

*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) Data Sheets

Please refer to next page

Concert MRI



Project reference:

S1

Part number:

CNMR10004KFLW
CNMRI320W

Product description:

Recessed high output single bin LED downlight for MRI scanning rooms. Luminaire body and housing free from metallic magnetic materials. For ceiling thicknesses of 2-20mm, head and driver to be ordered separately. Driver to be installed remotely - Whitecroft Lighting CONCERT MRI 1000

Two options with 1-10V dimming available 185 or 320W constant voltage (24V) - Mounted Outside the MRI room



Light source

Light source:

LED, 1000 lumen output

Colour render index:

Ra80

Control gear:

Remote 1-10V dimming

Colour temperature:

4000K

Colour consistency:

MacAdam 4 SDCM

Integral control:

N/A

Luminaire performance

LL/CW:

62.42

Light output ratio:

100.00%

Emergency

via Whitecroft Powerbase
Central Battery

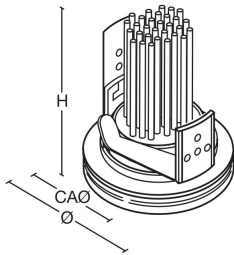
Circuit watts:

16.5W

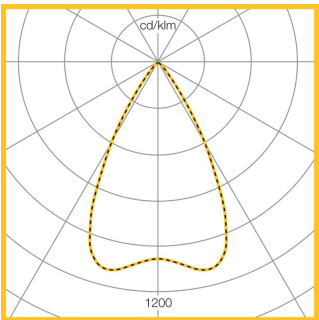
Finish

Cool White

Dimensions & Weight



Polar Curve (Indicative Only)



VERSION	H	KG	Ø	CAØ
Fixed	100	0.84	90	80