

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-0003
Document Title:	Type B1, B2, B3, B4, B5 Luminaires
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	14/06/17	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:	<table border="0"> <tr> <td>P5-DES-001-00-DR-E-1003</td> <td>P5-DES-001-03-DR-E-1004</td> <td>P5-DES-001-B1-DR-E-1003</td> </tr> <tr> <td>P5-DES-001-00-DR-E-1004</td> <td>P5-DES-001-04-DR-E-1003</td> <td>P5-DES-001-B1-DR-E-1004</td> </tr> <tr> <td>P5-DES-001-01-DR-E-1003</td> <td>P5-DES-001-04-DR-E-1004</td> <td>P5-DES-001-B2-DR-E-1003</td> </tr> <tr> <td>P5-DES-001-01-DR-E-1004</td> <td>P5-DES-001-05-DR-E-1003</td> <td>P5-DES-001-B2-DR-E-1004</td> </tr> <tr> <td>P5-DES-001-02-DR-E-1003</td> <td>P5-DES-001-05-DR-E-1004</td> <td>P5-DES-001-B3-DR-E-1003</td> </tr> <tr> <td>P5-DES-001-02-DR-E-1004</td> <td>P5-DES-001-R6-DR-E-1003</td> <td>P5-DES-001-B3-DR-E-1004</td> </tr> <tr> <td>P5-DES-001-03-DR-E-1003</td> <td>P5-DES-001-R6-DR-E-1004</td> <td></td> </tr> </table>	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-B3-DR-E-1003	P5-DES-001-02-DR-E-1004	P5-DES-001-R6-DR-E-1003	P5-DES-001-B3-DR-E-1004	P5-DES-001-03-DR-E-1003	P5-DES-001-R6-DR-E-1004	
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P5-DES-001-03-DR-E-1003	P5-DES-001-R6-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

Technical Submission fully compliant

Y	
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If no then proposed deviations are:

Specification Requirement	Proposed Deviation

'B' series luminaires modified in dimension to suit latest BMJ requirements dated
16/08/2018

1) Data Sheets

Please refer to next page

Cityline Full Micro Prism Ra90 for SAS 330 type D1 ceiling



IP44 LED

Project reference:

B1 and B3

Part number:

CLFY#/1194/SRF###

Product description:

IP44 Recessed linear tile replacement 1194mm x 297mm LED luminaire for SAS 330 ceiling type D1. Full micro prism diffuser for optimum uniformity and glare control. Additional wipeable smooth clean surface with no screw heads or slots. Integral DLO functionality for specified light outputs – as Whitecroft Lighting CITYLINE.



** IP44 with wipeable clear diffuser **

Light source

Light source:

LED, 4000 lumens

Colour temperature:

4000K

Colour render index:

90

Colour consistency:

MacAdam 3 SDCM

Control gear:

Remote DALI dimmable driver

Integral control:

N/A

Luminaire performance

LL/CW:

98

Circuit watts:

41W

Light output ratio:

100.00%

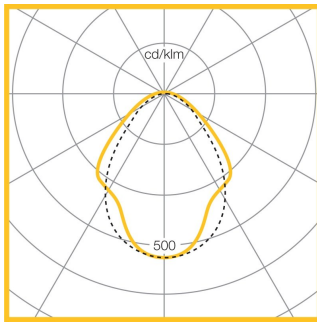
Emergency

N/A

Finish

White RAL 9003

Polar Curve (Indicative Only)



VERSION	L	W	H	H1
1200mm x 300mm NOMINAL for SAS 330 type D1 ceiling	1194mm ACTUAL	297mm ACTUAL	60	88

Cityline Full Micro Prism Ra90 for SAS 330 type D2 ceiling



IP44 LED

Project reference:
B2

Part number:
CLFY#/894/SRF###

Product description:

IP44 Recessed linear tile replacement 894mm x 297mm LED luminaire for SAS 330 ceiling type D2. Full micro prism diffuser for optimum uniformity and glare control. Additional wipeable smooth clean surface with no screw heads or slots. Integral DLO functionality for specified light outputs – as Whitecroft Lighting CITYLINE.



** IP44 with wipeable clear diffuser **

Light source

Light source:

LED, 3000 lumen

Colour temperature:

4000K

Colour render index:

90

Colour consistency:

MacAdam 3 SDCM

Control gear:

Remote DALI dimmable driver

Integral control:

N/A

Luminaire performance

LL/CW:

106

Circuit watts:

28W

Light output ratio:

100%

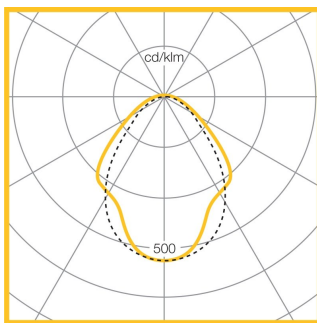
Emergency

N/A

Finish

White RAL 9003

Polar Curve (Indicative Only)



VERSION	L	W	H	H1
900mm x 300mm NOMINAL for SAS 330 type D2 ceiling	894mm ACTUAL	297mm ACTUAL	60	88

Cityline Full Micro Prism Ra90 for SAS 330 type D2 ceiling



IP44 **LED**

Project reference:

B4

Part number:

CLFY#/894/SRF###

Product description:

IP44 Recessed linear tile replacement 894mm x 297mm LED luminaire for SAS 330 ceiling type D2. Full micro prism diffuser for optimum uniformity and glare control. Additional wipeable smooth clean surface with no screw heads or slots. Integral DLO functionality for specified light outputs – as Whitecroft Lighting CITYLINE.



** IP44 with wipeable clear diffuser **

Light source

Light source:

LED, 2550 lumen

Colour temperature:

4000K

Colour render index:

90

Colour consistency:

MacAdam 3 SDCM

Control gear:

Remote DALI dimmable driver

Integral control:

N/A

Luminaire performance

LL/CW:

106

Circuit watts:

23W

Light output ratio:

100%

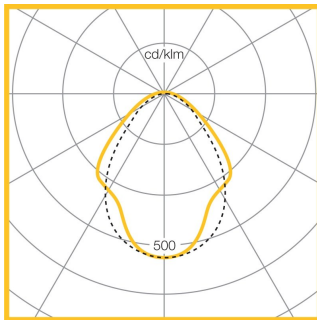
Emergency

N/A

Finish

White RAL 9003

Polar Curve (Indicative Only)



VERSION	L	W	H	H1
900mm x 300mm NOMINAL for SAS 330 type D2 ceiling	894mm ACTUAL	297mm ACTUAL	60	88

DTFU



Project reference:

B5 and B5E - PRC 005 and 007 rooms

Part number:

D9LUGY44K
D9LUGY44KEP

Product description:

Recessed LED clean room luminaire for modular or prepared aperture ceilings to a BSI tested and certified construction as IP65 to the front on and IP54 to the rear. Twin in line extruded aluminium frames with angled integration and a screwless front fascia. Toughened glass optic for maximum resistance to cleaning agents. Installation via solid aluminium jacking brackets - as Whitecroft Lighting DTFU.



Light source

Light source:

LED, 4100 lumen

Colour temperature:

4000K

Colour render index:

90

Colour consistency:

MacAdam 3 SDCM

Control gear:

DALI LED Driver

Integral control:

N/A

Luminaire performance

LL/CW:

127

Circuit watts:

32W

Light output ratio:

100.00%

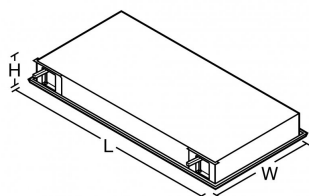
Emergency

3 hour emergency battery pack and EMPRO inverter

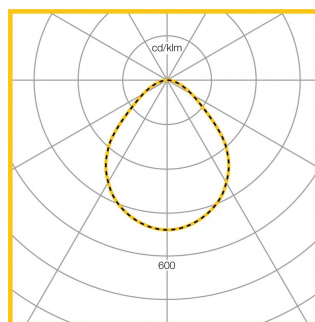
Finish

White RAL 9016

Dimensions & Weight



Polar Curve (Indicative Only)



VERSION	L	W	H	KG	KG(EM)	Cut Aperture
600 x 600	598	598	139	12	13	573 x 573*
VERSION	L	W	H	KG	KG(EM)	Cut Aperture
300 x 1200	1198	298	139	12	13	1173 x 273*
VERSION	L	W	H	KG	KG(EM)	Cut Aperture
600 x 1200	1198	598	139	23	24	1173 x 273*