

Technical Submittal - UCLH P5 33695



© Mace Ltd Classification & Handling Status: Restricted / Confidential / Unrestricted *delete as appropriate*

Package Number:	6000
Package Name:	Mechanical & Electrical
Company Name:	Dornan Engineering
Sub Contractor manager:	James Ryan
File Name:	P5-DES-001-ZZ-TS-E-0014
Document Title:	Type O Luminaire
Purpose of Issue:	See Conject for current purpose of issue.

Status by Lead Reviewer:	<i>See Conject for current status</i>
---------------------------------	--

Version History			
Revision No.	Date Issued	Prepared By	Status
P01	12/09/17	Tony McMeiken	For Approval
P02	15/12/17	Tony McMeiken	For Approval
C01	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-001-00-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	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	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
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></div><div>N</div></div>	
Specification Requirement	Proposed Deviation
Arup Specification states down-lighter fittings are to be Zhaga compliant.	The Kolo IP65 fitting has not been confirmed as Zhaga compliant, however the driver is Tridonic and the LED's are by Samsung, both of which are Zhaga compliant products and manufacturers.

1) ARUP SDS

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 O


General Description

Surface mounted circular LED bulkhead luminaire with polycarbonate opal diffuser.

Integrated with microwave presence detector with ON/OFF or set-back

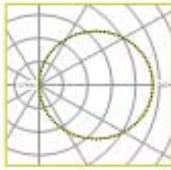
General Appearance


Dimensions



Version	Ø	H	KG	KG
300mm Ø surface	300	95	2.1	2.5
400mm Ø surface	400	95	3.5	3.9

Photometric Performance



400mm Ø
15W 1700 lumen
• LOR = 100%
• SHR MAX = 1.64

Utilisation Factors UF(F)

Room Reflectance			Room Index		
C	W	F	1.00	3.00	5.00
0.70	0.50	0.20	0.67	0.95	1.02

Luminaire

Manufacturer	Whitecroft
Manufacturing standard	BS EN 60598
Catalogue number	Kolo - K6Y4274KS
Finish	-
EMC	BS EN 55015

Light Source

Type	LED
Wattage	28W
Designation	2700lm
Colour / Beam	4000K - Ra min 80

Control Gear / Transformer

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

Accessories

Lens	Trim Ring (K6ATR3S)
Baffle	N/a
Other	IP65

Location

Riser

*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

Kolo IP65



Project reference:

O

Part number:

K6Y4274KS
K6ATR3S

Product description:

Surface mounted circular IP65 LED bulkhead luminaire in 400mm diameter. Polycarbonate opal diffuser. Supplied with separate trim ring as specified - as Whitecroft Lighting KOLO IP65

** Integrated Microwave Detector removed at the request of Dornan Engineering as the luminaires are controlled by the Lighting Management System **



Light source

Light source:

LED, 2700 lumen

Colour temperature:

4000K

Colour render index:

>80

Colour consistency:

MacAdam 3 SDCM

Control gear:

Integral DALI dimmable driver

Integral control:

N/A

Luminaire performance

LL/CW:

96.61

Circuit watts:

28W

Light output ratio:

100.00%

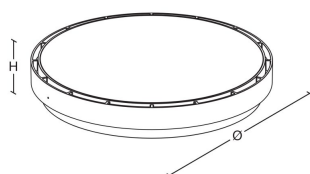
Emergency

N/A

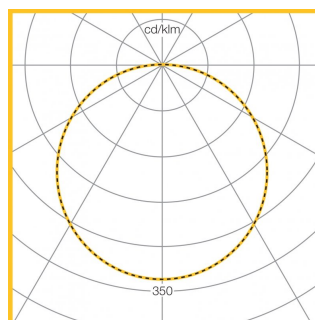
Finish

Silver OR Black

Dimensions & Weight



Polar Curve (Indicative Only)



VERSION	H	KG	KG(EM)	Ø
400mm surface	95	3.5	3.9	400