

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-0010
Document Title:	Type K1, K2, K3, K4 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	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-ARP-Z0-00-DR-E-7001 P5-ARP-Z0-00-DR-E-7002 P5-ARP-Z0-01-DR-E-7001 P5-ARP-Z0-01-DR-E-7002 P5-ARP-Z0-02-DR-E-7001 P5-ARP-Z0-02-DR-E-7002 P5-ARP-Z0-03-DR-E-7001	P5-ARP-Z0-03-DR-E-7002 P5-ARP-Z0-04-DR-E-7001 P5-ARP-Z0-04-DR-E-7002 P5-ARP-Z0-05-DR-E-7001 P5-ARP-Z0-05-DR-E-7002 P5-ARP-Z0-06-DR-E-7001 P5-ARP-Z0-06-DR-E-7002	P5-ARP-Z0-B1-DR-E-7001 P5-ARP-Z0-B1-DR-E-7002 P5-ARP-Z0-B2-DR-E-7001 P5-ARP-Z0-B2-DR-E-7002 P5-ARP-Z0-B3-DR-E-7001 P5-ARP-Z0-B3-DR-E-7002
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

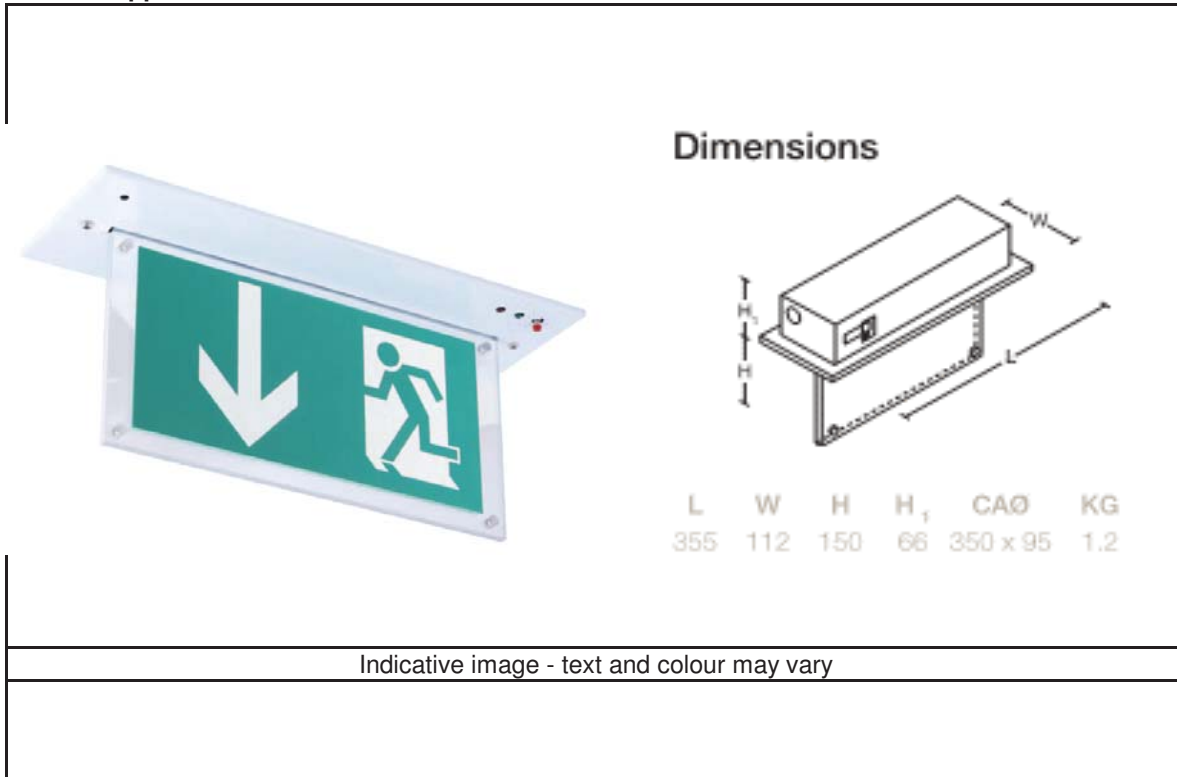
Purpose of Issue: Tender

Revision: T01

Luminaire Reference: TYPE K1

General Description

Recess ceiling mounted emergency exit sign

General Appearance**Luminaire**

Manufacturer	Whitecroft
Manufacturing standard	BS EN 60598
Catalogue number	Concert EX1R - EX1RM/7010
Finish	-
EMC	BS EN 55015

Light Source

Type	LED
Wattage	12W
Designation	-
Colour / Beam	Standard

Control Gear / Transformer

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

Accessories

Lens	-
Baffle	-
Other	-

Location

Variable

*Equipment supplied to be as specified or equal approved***Additional Information**

1. For quantities and final locations please refer to relevant architectural/electrical drawings

2. 3-hour maintained emergency operation

3. 20m addressable exit sign

4.

Job Title: UCLH Phase 5

Date: 22/01/2015

Job Number: 232426-00

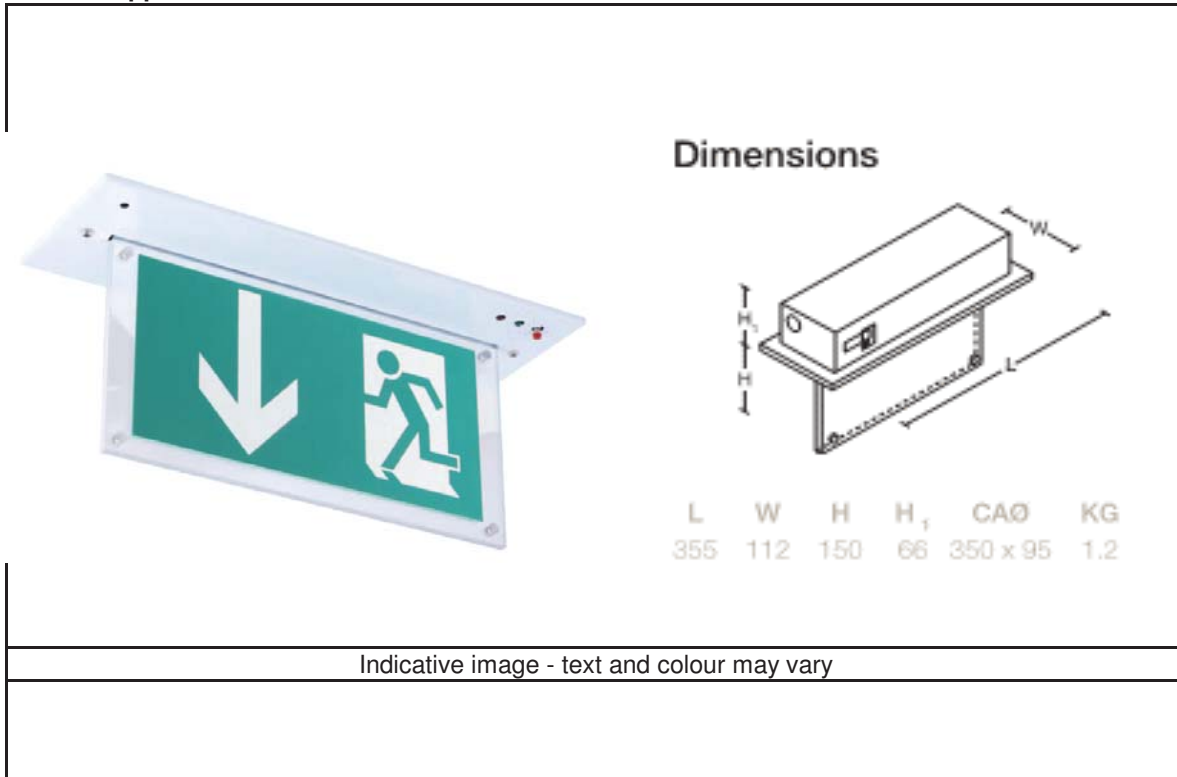
Purpose of Issue: Tender

Revision: T01

Luminaire Reference: TYPE K2

General Description

Recess ceiling mounted emergency exit sign

General Appearance**Luminaire**

Manufacturer	Whitecroft
Manufacturing standard	BS EN 60598
Catalogue number	Concert EX1R - EX1RM/7010
Finish	-
EMC	BS EN 55015

Light Source

Type	LED
Wattage	12W
Designation	-
Colour / Beam	Standard

Control Gear / Transformer

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

Accessories

Lens	-
Baffle	-
Other	-

Location

Variable

*Equipment supplied to be as specified or equal approved***Additional Information**

1. For quantities and final locations please refer to relevant architectural/electrical drawings
2. 3-hour maintained emergency operation
3. 40m addressable exit sign
- 4.

2) Catalogue Details

Please refer to next page

Concert EX1R



Project reference:

K1

Part number:

EX1RMU/7010/EP

Product description:

Recessed LED exit luminaire with 15 long life LEDs and 28m viewing distance. Legends supplied in accordance with BS 5266-1 2011 (ISO7010) - as Whitecroft Lighting CONCERT EX1R

** NOTE THAT THIS PART CODE IS FOR A PRODUCT WITH UP LEGENDS. EXACT QUANTITY OF UP / DOWN / LEFT AND RIGHT PRODUCTS TO BE ADVISED **



Light source

Light source:

LED

Colour temperature:

4000K+

Colour render index:

Colour consistency:

Control gear:

Integral Fixed Output (Non Dimming)

Integral control:

N/A

Luminaire performance

LL/CW:

N/A

Circuit watts:

4.5W

Light output ratio:

100%

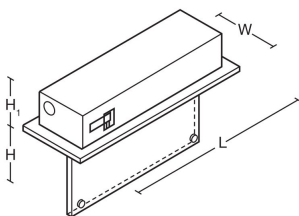
Emergency

Integral 3 hour emergency battery pack and DALI EMPRO inverter

Finish

White RAL 9016

Dimensions & Weight



L	W	H	H1	KG	CAØ
355	112	150	66	1.2	350 x 95

Concert EX1S



Project reference:

K2

Part number:

EX1SMU/7010/EP
EX1SCBRK

Product description:

Surface LED exit luminaire with 15 long life LEDs and 28m viewing distance - as Whitecroft Lighting CONCERT EX1S

** NOTE THAT THIS PART CODE IS FOR A PRODUCT WITH UP LEGENDS.
EXACT QUANTITY OF UP / DOWN / LEFT AND RIGHT PRODUCTS TO BE ADVISED **



Light source

Light source:

15 x Long Life LED

Colour temperature:

4000K+

Colour render index:

Colour consistency:

Control gear:

Integral Fixed Output (Non Dimming)

Integral control:

N/A

Luminaire performance

LL/CW:

0.00

Circuit watts:

4.5W

Light output ratio:

100%

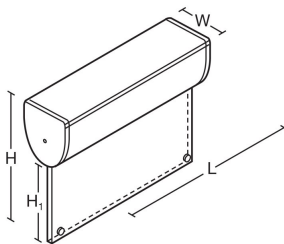
Emergency

Integral 3 hour emergency battery pack and DALI EMPRO inverter

Finish

Extruded aluminium housing with brushed finish

Dimensions & Weight



L	W	H	H1	KG
300	50	220	150	1.2

Concert EX3S



Project reference:

K3

Part number:

EX3SRM/EP

Product description:

Recessed LED IP20, DALI addressable self-contained maintained or non-maintained emergency luminaire with rigid polycarbonate body and polycarbonate legends with 20m viewing distance. Legends supplied in accordance with BS 5266-1 2011 (ISO7010). Li-Fe battery with constant current charger and LED charge indicator - as Whitecroft Lighting CONCERT EX3S



** Down, left and right legends also available (supplied separately) **

*** ** NOTE THAT THIS PART CODE IS FOR A PRODUCT WITH UP LEGENDS.
EXACT QUANTITY OF UP / DOWN / LEFT AND RIGHT PRODUCTS TO BE ADVISED ***

Light source

Light source:

LED

Colour temperature:

4000K+

Colour render index:

Colour consistency:

Control gear:

Integral Fixed Output (Non Dimming)

Integral control:

N/A

Luminaire performance

LL/CW:

N/A

Circuit watts:

2.4W

Light output ratio:

N/A

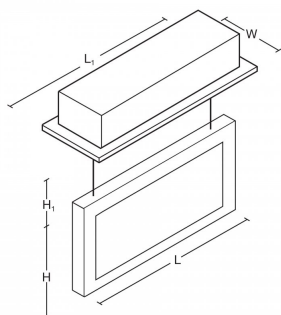
Emergency

Integral 3 hour emergency battery pack and DALI EMPRO inverter

Finish

White RAL 9016

Dimensions & Weight



VERSION	L	L1	W	H	H1	KG
Recessed	237	275	65	140	85	1.2

Project reference:

K4

Part number:

CXM3/EP
CX7010R

Product description:

LED IP65, 3 hour self-contained maintained emergency ceiling or wall mounted luminaire with rigid polycarbonate body and clear polycarbonate lens. Self adhesive legends available separately. High temperature Ni-Cd battery with constant current charger and LED charge indicator - as Whitecroft Lighting CONVEX 65

** Down, left and up legends also available (supplied separately) **

*** NOTE THAT THIS PART CODE IS FOR A PRODUCT WITH RIGHT LEGENDS. EXACT QUANTITY OF UP / DOWN / LEFT AND RIGHT PRODUCTS TO BE ADVISED ***



Light source

Light source:

LED, 120 lumens

Colour temperature:

4200K

Colour render index:

N/A

Colour consistency:

N/A

Control gear:

Integral Fixed Output (Non Dimming)

Integral control:

N/A

Luminaire performance

LL/CW:

31

Circuit watts:

4W

Light output ratio:

100.00%

Emergency

Integral 3 hour emergency battery pack and DALI EMPRO inverter

Finish

White

VERSION	L	W	H	KG
Convex	240	130	50	1