



<b>Project Title:</b>	<b>Kings Cross S3 Building.</b>	<b>Submission no:</b>	<b>BAMSE-TS-E- 048</b>
<b>Contract No:</b>	<b>HLN - 0284.</b>		
<b>To:</b>	<b>A Thelwell S Longhi Brian Patey Genesis Gomez</b>	<b>Company:</b>	<b>BAM Design - For Approval Bennetts – For information Sweco – For information Sweco – For information</b>

**Approval of the following equipment is required:**

<b>Equipment:</b>	<b>Luminares</b>
<b>Manufacturer:</b>	<b>Whitecroft lighting</b>
<b>Description:</b>	<b>Type X3 &amp; X3E</b>

**Specification References:**  
**BAMD Particular Specification E1 A4-005**  
**BAMD Luminaire schedule 10 Rev A4 - 006**

<b>Attached Detail Documents:</b>	
<b>BAM equipment schedule:</b>	<b>Luminaire schedule 10 Rev 006</b>
<b>Manufacturers details:</b>	<b>As Above</b>
<b>Data sheets:</b>	<b>BAMD Specification detail &amp; manufacturers literature for the luminaire, Dali driver, suspension kits where applicable and emergency battery unit info where external from luminaire all appended to this submittal.</b>

**Electrical requirements for equipment: na.**

**Planned site delivery: 2021 As programme**

<b>Issued by: BAM Construction Ltd.</b>	<b>A Ambrose</b>	<b>Date</b>	<b>10/05/2021</b>
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**Please return comments by: 24/05/2021 to achieve construction delivery dates.**

**To be completed and returned by Consultant Design Engineer**

Technical submission is **\*\* approved** / ~~approved with comments~~ / ~~not approved.~~  
 (\*\*delete as appropriate)

<b>Returned by:</b>	<b>Andrew Thelwell</b>	<b>Company:</b>	<b>Bam Design</b>
<b>Signature:</b>		<b>Date:</b>	<b>03/06/2021</b>

**KXC-S3**
**Luminaire Schedule**
**Schedule 10**
Luminaire reference

# X3/X3E



VERSION	Ø	H	KG	KG(EM)	CAØ Cut Aperture
C165 IP65	173	104	1.0	2.0	165

Location

Ground Floor Laneway (Recessed)

Luminaire specification

## Description

Manufacturer	Whitecroft
Type	Mirage 3 C165
Finish	White RAL 9003
IP rating	IP 65

## Light Source

Type	LED
Wattage	26.5 W
Colour temp /CRI	3000 K - > 80
Lamp lumens	2590 lm

## Control Gear / Transformer

Type	DALI control gear
Dimmable	No
Location (Remote / Integral)	Remote
	Ø:173x104 H , Ø:206 (cut out)

## Accessories

Louvre/Lens	Optical polymer
Efficiency (LOR)	100%
Efficacy	98 lm/W
Other	MacAdam 3 SDCM

Additional Information

- For the purposes of this document efficacy is defined as "Luminaire Lumens per Circuit Watt" and is a function of the useful light output (LLm) / total consumed power (CctW)
- Equipment supplied to be as specified or equal approved.
- All emergency luminaires to have 3 hour battery backup and to have control gear that is EmPro or equivalent to allow communication and monitoring from central lighting control system.

# Mirage 3 C165 IP65



**Project reference:**  
X3

**Part number:**  
M6MY43K8M1

## Product description:

Recessed downlighter with a common appearance across the product family. Narrow 11mm width bezel and shallow depth body. Graphite heat sink for optimum thermal management and superior optics designed for maximum visual comfort. Simple spring ceiling retention method to suit ceiling thicknesses between 1-50mm. Supplied with connected remote driver. Large round, 165mm diameter cut out, 173mm over bezel. IP65 rated from below - as Whitecroft MIRAGE 3 C165 IP65



## Light source

**Light source:**  
LED

**Colour render index:**  
>80

**Control gear:**  
DALI LED Driver

**Luminaire finish:**  
White RAL9003

**Colour temperature:**  
3000K, RA80

**Colour consistency:**  
MacAdam 3 SDCM

**Integral control:**

## Luminaire performance

**Lumens:**  
2590

**Circuit watts:**  
26.5

**Power factor:**  
>0.9

**Emergency:**  
N/A

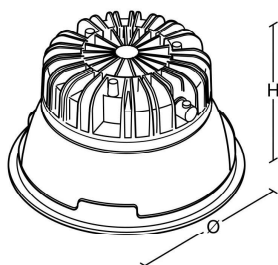
**Light output ratio:**  
100%

**LL/CW:**  
98

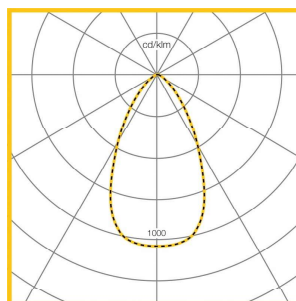
**LED life performance:**  
L80B50 @ 50K hours

**Emergency output:**

## Dimensions & Weight



## Polar Curve (Indicative Only)



VERSION	Ø	H	KG	KG(EM)	CAØ Cut Aperture
C165 IP65	173	104	1.0	2.0	165

# Mirage 3 C165 IP65



**Project reference:**  
X3E

**Part number:**  
M6MY43K8M1EP

## Product description:

Recessed downlighter with a common appearance across the product family. Narrow 11mm width bezel and shallow depth body. Graphite heat sink for optimum thermal management and superior optics designed for maximum visual comfort. Simple spring ceiling retention method to suit ceiling thicknesses between 1-50mm. Supplied with connected remote driver. Large round, 165mm diameter cut out, 173mm over bezel. IP65 rated from below - as Whitecroft MIRAGE 3 C165 IP65



## Light source

**Light source:**  
LED

**Colour render index:**  
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**Control gear:**  
DALI LED Driver

**Luminaire finish:**  
White RAL9003

**Colour temperature:**  
3000K, RA80

**Colour consistency:**  
MacAdam 3 SDCM

**Integral control:**

## Luminaire performance

**Lumens:**  
2590

**Circuit watts:**  
26.5

**Power factor:**  
>0.9

**Emergency:**  
COMEPS

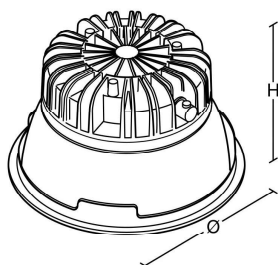
**Light output ratio:**  
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**LL/CW:**  
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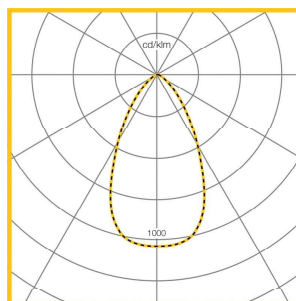
**LED life performance:**  
L80B50 @ 50K hours

**Emergency output:**  
363

## Dimensions & Weight



## Polar Curve (Indicative Only)



VERSION	Ø	H	KG	KG(EM)	CAØ Cut Aperture
C165 IP65	173	104	1.0	2.0	165