Dewsbury Arcade - Lighting Schedule

Job No: P3001705
Doc No: 1705-BDP-AD-XX-SH-E-00001
Issue: Contract Issue
Rev: C01
Date: 28/03/2024

BDP.

Revision	Description	Issued by	Date	Reviewed
T01	For Tender	GK / JC	21/04/2023	CL / AR
C01	Contract Issue	JC	28/03/2024	AR

Authors

Giorgos Kourtelis
CEng MCIBSE MSLL
Senior Lighting Designer

Authors

Joe Craig
Building Services Engineer

Date **28/03/2024**

Approved

Chris Lowe
Lighting Associate

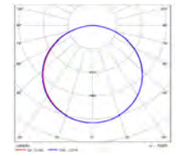
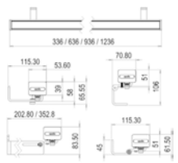
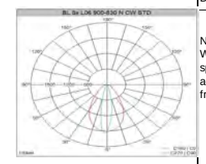
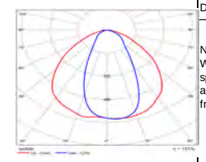
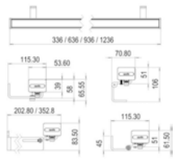
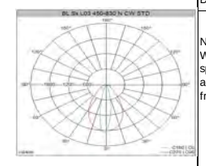
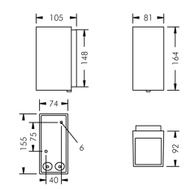
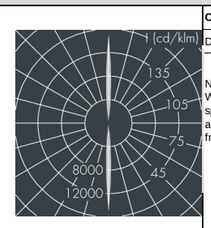
Approved

Andrew Rennox
Engineering Associate

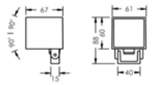
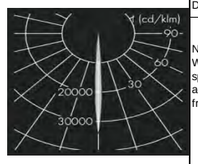
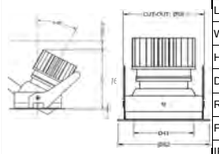
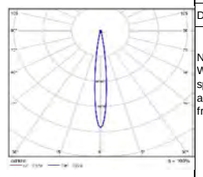
Date **28/03/2024**

Building Design Partnership does not accept liability, with respect to the contents of this report, to any third party, without BDP's express permission.

LIGHTING SCHEDULE

Ref.	Image	Dimensions	Luminaire Information		Description	Manufacturer & Contact		Product range & Catalogue No.	Light Source & Technical		LED Data		Photometry	Control Protocol	Notes
FAÇADE LIGHTING															
A1			Fixation type	surface mounted	**Luminaire Description**	**Manufacturer / Supplier**		Luminaire Range:	Light source type (inc W):	LED	**L** LED lumen maintenance (L) @60Khrs	L80		**Control Protocol**	**Additional Notes (if applicable)**
			Length (mm):	Varies	Linear and continuous LED tape within rigid profile	LED-Linear (supplied by Architectural FX)		ADONIS ARCHITECTURAL	Lamp base (if applicable):	-	**B** Value (degradation fraction)	10		DALI Broadcast	On site mock up to be provided for client consultant approval.
			Width (mm):	20.5		**Contact Details**		Catalogue No	No. of Lamps/LEDs:	1	**C** Value (failure fraction)	0		Note: Where dimming is specified: luminaires to achieve 0.1% Flicker free.	Fitting to be surface mounted fixed (non adjustable). Should surface mounted adjustable is be requested by BDP following the on site mock up then this change would be subject to cost uplift. Fixing detail TBC by mock up.
			Height (mm):	25.5		Chris Skelley		HEC 06 W929	Lumens per Lamp/LED:	270	**F** Value (combined failure = B+C)	10			
			Diameter ø (mm):	N/A		t.	xx	Accessories	LOR (%):		Chromaticity Variation (MacAdam ellipses) ≤:	3			Remote DALI drivers to be provided.
			Recess depth (mm):	N/A	**Location/Mounting Description**	m.	07769 703190	TBC by manufacturer	Luminaire lumens:	270	Flicker - % Modulation	X			
			Finish:	Grey	Façade cornice and pediments	e.	cs@afx.lighting	Manufacturer Warranty	Connected Load (Circuit Watt):	6	Flicker - Frequency (Hz)	X			
			IP rating:	67	**Note**: Contractor to liaise with architect and develop mounting detail to hide luminaire from direct view	www.	www.led-linear.com	5 years	Efficacy - Luminaire lm/cW (LL/cW):	45.00					
			IK rating:	10					CCT (K):	2900					
	Indicative image - specification may vary.	*Indicative image - specification may vary.*	Weight (kg):	N/A					CRI:	96					
A2			Fixation type	surface mounted	**Luminaire Description**	**Manufacturer / Supplier**		Luminaire Range:	Light source type (inc W):	LED	**L** LED lumen maintenance (L) @60Khrs	L80		**Control Protocol**	**Additional Notes (if applicable)**
			Length (mm):	636	Surface/wall mounted linear luminaire with a controlled beam of light supplied with a suitable bracket and a cowl	ACDC Lighting		EROA SX	Lamp base (if applicable):	-	**B** Value (degradation fraction)	10		DALI Broadcast	On site mock up to be provided for client consultant approval.
			Width (mm):	53.5		**Contact Details**		Catalogue No	No. of Lamps/LEDs:	1	**C** Value (failure fraction)	0		Note: Where dimming is specified: luminaires to achieve 0.1% Flicker free.	Fitting to be surface mounted fixed (non adjustable). Should surface mounted adjustable is be requested by BDP following the on site mock up then this change would be subject to cost uplift. Fixing detail TBC by mock up.
			Height (mm):	58		Paul King		L06 900-830 N SI CW STD 66	Lumens per Lamp/LED:	1020	**F** Value (combined failure = B+C)	10			
			Diameter ø (mm):	N/A		t.	xx	Accessories	LOR (%):	100.0%	Chromaticity Variation (MacAdam ellipses) ≤:	2			Remote DALI drivers to be provided.
			Recess depth (mm):	N/A	**Location/Mounting Description**	m.	+44 7748 775 411	TBC by manufacturer	Luminaire lumens:	1020	Flicker - % Modulation	X			
			Finish:	Silver	2nd floor facade to illuminate stone work	e.	paul.king@zumtobelgroup.com	Manufacturer Warranty	Connected Load (Circuit Watt):	20	Flicker - Frequency (Hz)	X			
			IP rating:	66	**Note**: Final product specification subject to mock-up	www.	https://www.acdclighting.com/	5 years	Efficacy - Luminaire lm/cW (LL/cW):	51.00					
			IK rating:	N/A					CCT (K):	3000					
	Indicative image - specification may vary.	*Indicative image - specification may vary.*	Weight (kg):	1.49					CRI:	80					
A3			Fixation type	wall mounted	**Luminaire Description**	**Manufacturer / Supplier**		Luminaire Range:	Light source type (inc W):	LED	**L** LED lumen maintenance (L) @50Khrs	L80		**Control Protocol**	**Additional Notes (if applicable)**
			Length (mm):	2520	Wall mounted linear luminaire to provide a wash of light to the existing Arcade signage. Luminaire to be mounted on straight arms and pointing towards the signage (angle to be confirmed with a mock-up)	KEMPS Lighting		REGIS 1	Lamp base (if applicable):	-	**B** Value (degradation fraction)	10		DALI Broadcast	On site mock up to be provided for client consultant approval.
			Width (mm):	N/A		**Contact Details**		REG1-M-930-O-65-S-S-2520	No. of Lamps/LEDs:	1	**C** Value (failure fraction)	0		Note: Where dimming is specified: luminaires to achieve 0.1% Flicker free.	Fitting to be surface mounted, fixed arms, adjustable luminaire. Arm length fixed at 200mm. Fixing detail TBC by mock up.
			Height (mm):	N/A		Nick Rockliff		KL-REG1-M-30-90-D-O-67-TBC-S-2515	Lumens per Lamp/LED:	876	**F** Value (combined failure = B+C)	10			
			Diameter ø (mm):	38		t.	xx	Accessories	LOR (%):	1.0%	Chromaticity Variation (MacAdam ellipses) ≤:	3			Remote DALI drivers to be provided.
			Recess depth (mm):	N/A	**Location/Mounting Description**	m.	07841 464827	TBC by manufacturer	Luminaire lumens:	876	Flicker - % Modulation	X			
			Finish:	Silver	Exterior facades illuminating the existing signage (stone)	e.	NickRockliff@kempslighting.com	Manufacturer Warranty	Connected Load (Circuit Watt):	11	Flicker - Frequency (Hz)	X			
			IP rating:	67	**Note**: Final product specification subject to mock-up	www.	https://www.kempsarchitecturallighting.com/	5 years	Efficacy - Luminaire lm/cW (LL/cW):	80					
			IK rating:	N/A					CCT (K):	3000					
	Indicative image - specification may vary.	*Indicative image - specification may vary.*	Weight (kg):	TBC					CRI:	90					
A4			Fixation type	surface mounted	**Luminaire Description**	**Manufacturer / Supplier**		Luminaire Range:	Light source type (inc W):	LED	**L** LED lumen maintenance (L) @50Khrs	L80		**Control Protocol**	**Additional Notes (if applicable)**
			Length (mm):	336	Surface/wall mounted linear luminaire with a controlled narrow beam of light supplied with a suitable bracket and a cowl	ACDC Lighting		EROA SX	Lamp base (if applicable):	-	**B** Value (degradation fraction)	10		DALI Broadcast	On site mock up to be provided for client consultant approval.
			Width (mm):	53.5		**Contact Details**		Catalogue No	No. of Lamps/LEDs:	1	**C** Value (failure fraction)	0		Note: Where dimming is specified: luminaires to achieve 0.1% Flicker free.	Fitting to be surface mounted fixed (non adjustable). Should surface mounted adjustable is be requested by BDP following the on site mock up then this change would be subject to cost uplift. Fixing detail TBC by mock up.
			Height (mm):	58		Paul King		L03 450-830 N SI CW STD 66	Lumens per Lamp/LED:	510	**F** Value (combined failure = B+C)	10			
			Diameter ø (mm):	N/A		t.	xx	Accessories	LOR (%):	100.0%	Chromaticity Variation (MacAdam ellipses) ≤:	2			Remote DALI drivers to be provided.
			Recess depth (mm):	N/A	**Location/Mounting Description**	m.	+44 7748 775 411	TBC by manufacturer	Luminaire lumens:	510	Flicker - % Modulation	X			
			Finish:	Silver	First floor façade uplighting	e.	paul.king@zumtobelgroup.com	Manufacturer Warranty	Connected Load (Circuit Watt):	10	Flicker - Frequency (Hz)	X			
			IP rating:	66	**Note**: Final product specification subject to mock-up	www.	https://www.acdclighting.com/	5 years	Efficacy - Luminaire lm/cW (LL/cW):	51.00					
			IK rating:	N/A					CCT (K):	3000					
	Indicative image - specification may vary.	*Indicative image - specification may vary.*	Weight (kg):	1					CRI:	80					
A5			Fixation type	wall mounted	**Luminaire Description**	**Manufacturer / Supplier**		Luminaire Range:	Light source type (inc W):	LED	**L** LED lumen maintenance (L) @60Khrs	L90		**Control Protocol**	**Additional Notes (if applicable)**
			Length (mm):	81	Wall mounted LED luminaire with direct and indirect narrow beam light distribution	Meyer Lighting		Gemini 2	Lamp base (if applicable):	-	**B** Value (degradation fraction)	B10		DALI Broadcast	
			Width (mm):	105		**Contact Details**		Catalogue No	No. of Lamps/LEDs:	8	**C** Value (failure fraction)	0		Note: Where dimming is specified: luminaires to achieve 0.1% Flicker free.	
			Height (mm):	164		Howard Lawrence		8 338 151 108	Lumens per Lamp/LED:	174	**F** Value (combined failure = B+C)	10			
			Diameter ø (mm):	N/A		t.	01489 581002	Accessories	LOR (%):		Chromaticity Variation (MacAdam ellipses) ≤:	2			
			Recess depth (mm):	N/A	**Location/Mounting Description**	m.	07885 674 299	TBC by manufacturer	Luminaire lumens:	1395	Flicker - % Modulation	X			
			Finish:	Silver Grey	Ground floor façade wall	e.	Howard@commercial-lighting.co.uk	Manufacturer Warranty	Connected Load (Circuit Watt):	20	Flicker - Frequency (Hz)	X			
			IP rating:	65		www.	www.meyer-lighting.com	5 years	Efficacy - Luminaire lm/cW (LL/cW):	70					
			IK rating:	08					CCT (K):	3000					
	Indicative image - specification may vary.	*Indicative image - specification may vary.*	Weight (kg):	1.2					CRI:	80					

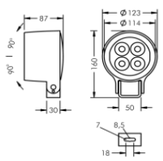
Schedule: 1705-BDP-AD-XX-SH-E-0001
Revision: T01
Status: For Tender
Date: 21/04/2023

Ref.	Image	Dimensions	Luminaire Information		Description	Manufacturer & Contact		Product range & Catalogue No.	Light Source & Technical		LED Data		Photometry	Control Protocol	Notes
A6			Fixation type	surface mounted	**Luminaire Description**	**Manufacturer / Supplier**		Luminaire Range:	Light source type (inc W):	LED	**L** LED lumen maintenance (L) @50Khrs	LXX		**Control Protocol**	**Additional Notes (if applicable)**
			Length (mm):	61	Surface mounted adjustable projector, with narrow beam light distribution	Meyer Lighting		Nanocube	Lamp base (if applicable):	-	**B** Value (degradation fraction)	0		DALI Broadcast	On site mock up to be provided for client consultant approval.
			Width (mm):	67		**Contact Details**		Catalogue No	No. of Lamps/LEDs:	1	**C** Value (failure fraction)	0		Note: Where dimming is specified: luminaires to achieve 0.1% Flicker free.	Fixing detail TBC by mock up.
			Height (mm):	88		Howard Lawrence		:8 308 056 018	Lumens per Lamp/LED:	326	**F** Value (combined failure = B+C)	0			Remote DALI drivers to be provided.
			Diameter ø (mm):	N/A		t.	01489 581002	Accessories	LOR (%):		Chromaticity Variation (MacAdam ellipses) ≤:	X			
			Recess depth (mm):	N/A	**Location/Mounting Description**	m.	07885 674 299	TBC by manufacturer	Luminaire lumens:	326	Flicker - % Modulation	X			
			Finish:	Silver Grey	Accent illumination to arch face detail from ledge mounted narrow beam mini projector	e.	Howard@commercial-lighting.co.uk	Manufacturer Warranty	Connected Load (Circuit Watt):	5	Flicker - Frequency (Hz)	X			
			IP rating:	65	**Note**: Final product specification subject to mock-up and design development	www.	www.meyer-lighting.com	5 years	Efficacy - Luminaire lm/cW (LL/cW):	65.20					
			IK rating:	7					CCT (K):	3000					
	Indicative image - specification may vary.	*Indicative image - specification may vary.*	Weight (kg):	0.47					CRI:	80					
~~**A7 (OMITTED)**~~	~~*IMAGE FOR ILLUSTRATION ONLY*~~ 		~~Fixation type~~	~~surface mounted~~	~~**Luminaire Description**~~	~~**Manufacturer / Supplier**~~		~~Luminaire Range:~~	~~Light source type (inc W):~~	~~LED~~	~~**L** LED lumen maintenance (L) @50Khrs~~	~~LXX~~	N/A	~~**Control Protocol**~~	~~**Additional Notes (if applicable)**~~
			~~Length (mm):~~	~~N/A~~	~~Illuminated signage DEWSBURY ARCADE.~~	~~The Light Lab~~		~~Glowform~~	~~Lamp base (if applicable):~~	~~-~~	~~**B** Value (degradation fraction)~~	~~0~~		~~DALI Broadcast~~	
			~~Width (mm):~~	~~TBC~~		~~**Contact Details**~~		~~Catalogue No~~	~~No. of Lamps/LEDs:~~	~~1~~	~~**C** Value (failure fraction)~~	~~0~~		~~Note: Where dimming is specified: luminaires to achieve 0.1% Flicker free.~~	
			~~Height (mm):~~	~~TBC~~		~~Phil Riley~~		~~Bespoke~~	~~Lumens per Lamp/LED:~~	~~1~~	~~**F** Value (combined failure = B+C)~~	~~0~~			
			~~Diameter ø (mm):~~	~~N/A~~		~~t.~~	~~020 7278 2678~~	~~Accessories~~	~~LOR (%):~~	~~1.0%~~	~~Chromaticity Variation (MacAdam ellipses) ≤:~~	~~X~~			
			~~Recess depth (mm):~~	~~N/A~~	~~**Location/Mounting Description**~~	~~m.~~	~~07812 008835~~	~~TBC by manufacturer~~	~~Luminaire lumens:~~	~~0.01~~	~~Flicker - % Modulation~~	~~X~~			
			~~Finish:~~	~~Acrylic~~	~~Illuminated signage for both entrances. Currently drawings show indicative location for circuting purposes only. Contractor should liaise with lighting manufacturer to develop signage proposal based on 'Glow form' product family.~~	~~e.~~	~~phil@thelightlab.com~~	~~Manufacturer Warranty~~	~~Connected Load (Circuit Watt):~~	~~1~~	~~Flicker - Frequency (Hz)~~	~~X~~			
			~~IP rating:~~	~~65~~		~~www.~~	~~https://www.thelightlab.com/~~	~~5 years~~	~~Efficacy - Luminaire lm/cW (LL/cW):~~	~~0.01~~					
			~~IK rating:~~	~~N/A~~					~~CCT (K):~~	~~xx~~					
	~~*Indicative image - specification may vary.*~~	~~*Indicative image - specification may vary.*~~	~~Weight (kg):~~	~~TBC~~					~~CRI:~~	~~xx~~					
A8			Fixation type	TBC	**Luminaire Description**	**Manufacturer / Supplier**		Luminaire Range:	Light source type (inc W):	LED	**L** LED lumen maintenance (L) @50Khrs	L80		**Control Protocol**	**Additional Notes (if applicable)**
			Length (mm):	N/A	Recessed and adjustable LED downlights with narrow beam light distribution	Phos Lighting		Eyeconic	Lamp base (if applicable):	-	**B** Value (degradation fraction)	10		DALI Broadcast	
			Width (mm):	N/A		**Contact Details**		Catalogue No	No. of Lamps/LEDs:	1	**C** Value (failure fraction)	0		Note: Where dimming is specified: luminaires to achieve 0.1% Flicker free.	
			Height (mm):	70		Mike Moreton		EY-MTA-WT/B1/WT/BT-STD4-30-90-10-350	Lumens per Lamp/LED:	378	**F** Value (combined failure = B+C)	10			
			Diameter ø (mm):	62		t.	xx	Accessories	LOR (%):	100.0%	Chromaticity Variation (MacAdam ellipses) ≤:	2			
			Recess depth (mm):	79 (min)	**Location/Mounting Description**	m.	+44 (0)7827 665627	TBC by manufacturer	Luminaire lumens:	378	Flicker - % Modulation	X			
			Finish:	White	Integrated into the gate structure to illuminate the area in front of the gate	e.	Mike@phos.co.uk	Manufacturer Warranty	Connected Load (Circuit Watt):	5.9	Flicker - Frequency (Hz)	X			
			IP rating:	65		www.	phos.co.uk	5 years	Efficacy - Luminaire lm/cW (LL/cW):	64					
			IK rating:	N/A					CCT (K):	3000					
	Indicative image - specification may vary.	*Indicative image - specification may vary.*	Weight (kg):						CRI:	90					
A8E	*As above.*	*As above.*	*As above.*		*As above but linked with central battery system*	*As above.*		Catalogue No.:	*As above.*		*As above.*		*As above.*	*As above.*	**Additional Notes (if applicable)**

ARCADE LIGHTING

B1





Indicative image - specification may vary.

Indicative image - specification may vary.

Fixation type	surface mounted
Length (mm):	160
Width (mm):	87
Height (mm):	123
Diameter ø (mm):	123
Recess depth (mm):	N/A
Finish:	White
IP rating:	65
IK rating:	8
Weight (kg):	1.8

Luminaire Description
Surface mounted LED projector with elliptical light distribution

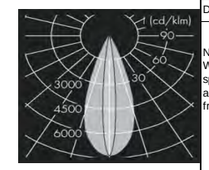
Location/Mounting Description
Accent illumination to arch face detail from ledge mounted elliptical beam mini projector

Manufacturer / Supplier	
Meyer Lighting	
Contact Details	
Howard Lawrence	
t.	01489 581002
m.	07885 674 299
e.	Howard@commercial-lighting.co.uk
www.	www.meyer-lighting.com

Luminaire Range:	Monospot S2
Catalogue No	8992066128
Accessories	
TBC by manufacturer	
Manufacturer Warranty	5 years

Light source type (inc W):	LED
Lamp base (if applicable):	-
No. of Lamps/LEDs:	1
Lumens per Lamp/LED:	506
LOR (%):	100.0%
Luminaire lumens:	506
Connected Load (Circuit Watt):	10
Efficacy - Luminaire lm/cW (LL/cW):	50.60
CCT (K):	3000
CRI:	80

L LED lumen maintenance (L) @50Khrs	L90
B Value (degradation fraction)	10
C Value (failure fraction)	0
F Value (combined failure = B+C)	10
Chromaticity Variation (MacAdam ellipses) ≤:	2
Flicker - % Modulation	X
Flicker - Frequency (Hz)	X



Control Protocol
DALI Broadcast

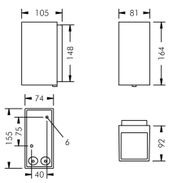
Note:
Where dimming is specified: luminaires to achieve 0.1% Flicker free.

Additional Notes (if applicable)
On site mock up to be provided for client consultant approval.

Fixing detail TBC by mock up.

B2





Indicative image - specification may vary.

Indicative image - specification may vary.

Fixation type	wall mounted
Length (mm):	81
Width (mm):	105
Height (mm):	164
Diameter ø (mm):	N/A
Recess depth (mm):	N/A
Finish:	Black
IP rating:	65
IK rating:	08
Weight (kg):	1.2

Luminaire Description
Wall mounted LED luminaire with direct and indirect narrow beam light distribution

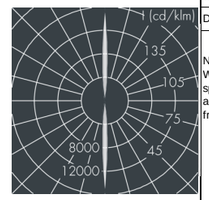
Location/Mounting Description
Pilaster mounted luminaires with up and down light effect

Manufacturer / Supplier	
Meyer Lighting	
Contact Details	
Howard Lawrence	
t.	01489 581002
m.	07885 674 299
e.	Howard@commercial-lighting.co.uk
www.	www.meyer-lighting.com

Luminaire Range:	Gemini 2
Catalogue No	8 338 141 108
Accessories	
TBC by manufacturer	
Manufacturer Warranty	5 years

Light source type (inc W):	LED
Lamp base (if applicable):	-
No. of Lamps/LEDs:	8
Lumens per Lamp/LED:	174
LOR (%):	88.0%
Luminaire lumens:	1395
Connected Load (Circuit Watt):	20
Efficacy - Luminaire lm/cW (LL/cW):	70
CCT (K):	3000
CRI:	80

L LED lumen maintenance (L) @50Khrs	L90
B Value (degradation fraction)	B10
C Value (failure fraction)	0
F Value (combined failure = B+C)	10
Chromaticity Variation (MacAdam ellipses) ≤:	2
Flicker - % Modulation	X
Flicker - Frequency (Hz)	X



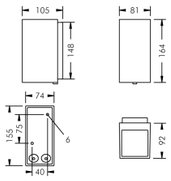
Control Protocol
DALI Broadcast

Note:
Where dimming is specified: luminaires to achieve 0.1% Flicker free.

Additional Notes (if applicable)

B3





Indicative image - specification may vary.

Indicative image - specification may vary.

Fixation type	wall mounted
Length (mm):	81
Width (mm):	105
Height (mm):	164
Diameter ø (mm):	N/A
Recess depth (mm):	N/A
Finish:	Black
IP rating:	65
IK rating:	08
Weight (kg):	1.2

Luminaire Description
Wall mounted LED luminaire with direct narrow beam light distribution

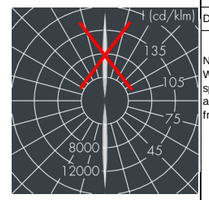
Location/Mounting Description
Pilaster mounted luminaires with down light effect

Manufacturer / Supplier	
Meyer Lighting	
Contact Details	
Howard Lawrence	
t.	01489 581002
m.	07885 674 299
e.	Howard@commercial-lighting.co.uk
www.	www.meyer-lighting.com

Luminaire Range:	Gemini 2
Catalogue No	8 338 141 108 (DLOR only)
Accessories	
TBC by manufacturer	
Manufacturer Warranty	5 years

Light source type (inc W):	LED
Lamp base (if applicable):	-
No. of Lamps/LEDs:	8
Lumens per Lamp/LED:	174
LOR (%):	87.0%
Luminaire lumens:	1395
Connected Load (Circuit Watt):	20
Efficacy - Luminaire lm/cW (LL/cW):	70
CCT (K):	3000
CRI:	80

L LED lumen maintenance (L) @50Khrs	L90
B Value (degradation fraction)	B10
C Value (failure fraction)	0
F Value (combined failure = B+C)	10
Chromaticity Variation (MacAdam ellipses) ≤:	2
Flicker - % Modulation	X
Flicker - Frequency (Hz)	X



Control Protocol
DALI Broadcast

Note:
Where dimming is specified: luminaires to achieve 0.1% Flicker free.

Additional Notes (if applicable)

B4





Indicative image - specification may vary.

Indicative image - specification may vary.

Fixation type	surface mounted
Length (mm):	Varies
Width (mm):	20.5
Height (mm):	25.5
Diameter ø (mm):	N/A
Recess depth (mm):	N/A
Finish:	White
IP rating:	67
IK rating:	10
Weight (kg):	N/A

Luminaire Description
Linear and continuous LED rigid lighting system with opal cover

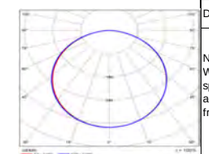
Location/Mounting Description
Luminaire lengths to be confirmed from the setting out drawings. Appropriate adjustable mounting bracket to be specified

Manufacturer / Supplier	
LED-Linear (supplied by Architectural FX)	
Contact Details	
Chris Skelley	
t.	xx
m.	07769 703190
e.	cs@afx.lighting
www.	www.led-linear.com

Luminaire Range:	ADONIS ARCHITECTURAL
Catalogue No	HEC 06 W929
Accessories	
TBC by manufacturer	
Manufacturer Warranty	5 years

Light source type (inc W):	LED
Lamp base (if applicable):	-
No. of Lamps/LEDs:	1
Lumens per Lamp/LED:	280
LOR (%):	64.5%
Luminaire lumens:	280
Connected Load (Circuit Watt):	6
Efficacy - Luminaire lm/cW (LL/cW):	47.00
CCT (K):	2900
CRI:	90

L LED lumen maintenance (L) @60Khrs	L80
B Value (degradation fraction)	10
C Value (failure fraction)	0
F Value (combined failure = B+C)	10
Chromaticity Variation (MacAdam ellipses) ≤:	3
Flicker - % Modulation	X
Flicker - Frequency (Hz)	X



Control Protocol
DALI Broadcast

Note:
Where dimming is specified: luminaires to achieve 0.1% Flicker free.

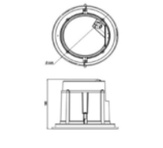
Additional Notes (if applicable)
On site mock up to be provided for client consultant approval.

Fitting to be surface mounted adjustable. Fixing detail TBC by mock up.

Remote DALI drivers to be provided.

B5





Indicative image - specification may vary.

Indicative image - specification may vary.

Fixation type	ceiling recessed
Length (mm):	N/A
Width (mm):	N/A
Height (mm):	180
Diameter ø (mm):	220
Recess depth (mm):	TBC by manufacturer
Finish:	White
IP rating:	65
IK rating:	N/A
Weight (kg):	2.5

Luminaire Description
Ceiling recessed LED luminaire with narrow beam light distribution.

Note: If recess depth isn't sufficient, a surface mounted version of the downlight shall be used.

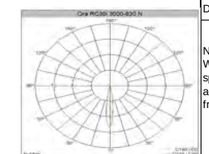
Location/Mounting Description
Next to entrances sheltered part of the Arcade

Manufacturer / Supplier	
ACDC Lighting	
Contact Details	
Paul King	
t.	xx
m.	+44 7748 775 411
e.	paul.king@zumtobelgroup.com
www.	https://www.acdclighting.com/

Luminaire Range:	ORA RC30I
Catalogue No	3000-830 N WH 65 HFX 21034994
Accessories	
TBC by manufacturer	
Manufacturer Warranty	5 years

Light source type (inc W):	LED
Lamp base (if applicable):	-
No. of Lamps/LEDs:	1
Lumens per Lamp/LED:	3000
LOR (%):	74.5%
Luminaire lumens:	2231
Connected Load (Circuit Watt):	34
Efficacy - Luminaire lm/cW (LL/cW):	65.62
CCT (K):	3000
CRI:	80

L LED lumen maintenance (L) @60Khrs	L90
B Value (degradation fraction)	10
C Value (failure fraction)	0
F Value (combined failure = B+C)	10
Chromaticity Variation (MacAdam ellipses) ≤:	3
Flicker - % Modulation	X
Flicker - Frequency (Hz)	X



Control Protocol
DALI Broadcast

Note:
Where dimming is specified: luminaires to achieve 0.1% Flicker free.

Additional Notes (if applicable)
Recess depth requirements to be verified on site prior to ordering.

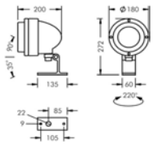
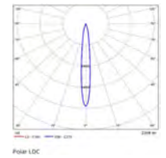
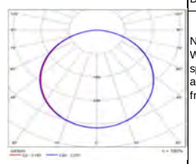
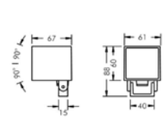
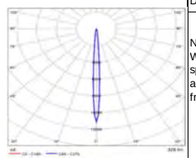
B5E

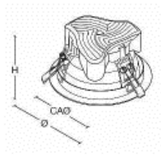
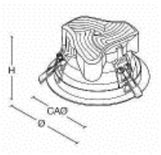
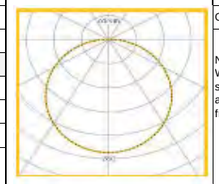
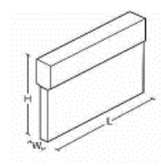
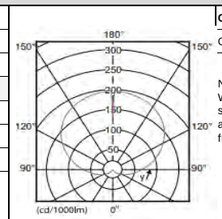
As above. | *As above.* | *As above.* | *As above but linked with central battery system* | *As above.*

Catalogue No.:

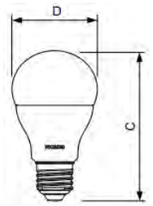
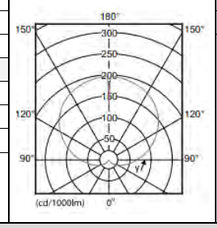
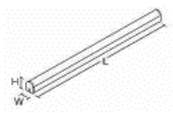
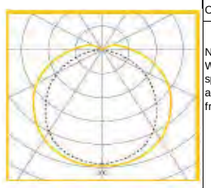
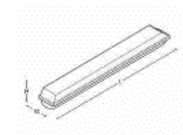
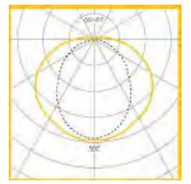
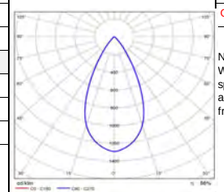
As above. | *As above.* | *As above.* | *As above.*

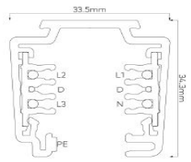
Additional Notes (if applicable)

Ref.	Image	Dimensions	Luminaire Information		Description	Manufacturer & Contact		Product range & Catalogue No.	Light Source & Technical		LED Data		Photometry	Control Protocol	Notes
B6			Fixation type	surface mounted	**Luminaire Description**	**Manufacturer / Supplier**		Luminaire Range:	Light source type (inc W):	LED	**L** LED lumen maintenance (L) @50Khrs	L90		**Control Protocol**	**Additional Notes (if applicable)**
			Length (mm):	N/A	Surface mounted LED projector with narrow beam light distribution	Meyer Lighting		Nightspot A2	Lamp base (if applicable):	-	**B** Value (degradation fraction)	10		DALI Broadcast	Design solution requires omission of existing non-heritage pendant luminaires to deliver the desired lit effect.
			Width (mm):	200		**Contact Details**		Catalogue No	No. of Lamps/LEDs:	1	**C** Value (failure fraction)	0		Note: Where dimming is specified: luminaires to achieve 0.1% Flicker free.	
			Height (mm):	272		Howard Lawrence		8 983 166 118	Lumens per Lamp/LED:	2308	**F** Value (combined failure = B+C)	10			
			Diameter ø (mm):	180		t.	01489 581002	Accessories	LOR (%):	100.0%	Chromaticity Variation (MacAdam ellipses) ≤:	2			
			Recess depth (mm):	N/A	**Location/Mounting Description**	m.	07885 674 299	TBC by manufacturer	Luminaire lumens:	2308	Flicker - % Modulation	X			
			Finish:	White	Mounted on existing metalwork of the Arcade to provide functional lighting to ground floor	e.	Howard@commercial-lighting.co.uk	Manufacturer Warranty	Connected Load (Circuit Watt):	28	Flicker - Frequency (Hz)	X			
			IP rating:	67		www.	www.meyer-lighting.com	5 years	Efficacy - Luminaire lm/cW (LL/cW):	82.43					
			IK rating:	8					CCT (K):	3000					
	Indicative image - specification may vary.	*Indicative image - specification may vary.*	Weight (kg):	2.5					CRI:	80					
B6E	*As above.*	*As above.*	*As above.*		*As above but linked with central battery system*	*As above.*		Catalogue No.:	*As above.*		*As above.*		*As above.*	*As above.*	**Additional Notes (if applicable)**
B8			Fixation type	surface mounted	**Luminaire Description**	**Manufacturer / Supplier**		Luminaire Range:	Light source type (inc W):	LED	**L** LED lumen maintenance (L) @60Khrs	L80		**Control Protocol**	**Additional Notes (if applicable)**
			Length (mm):	Varies	Continuous and linear LED lighting system with diffused cover	LED-Linear (supplied by Architectural FX)		ADONIS ARCHITECTURAL	Lamp base (if applicable):	-	**B** Value (degradation fraction)	10		DALI Broadcast	On site mock up to be provided for client consultant approval. Fitting to be surface mounted adjustable. Fixing detail TBC by mock up. Remote DALI drivers to be provided.
			Width (mm):	20.5		**Contact Details**		Catalogue No	No. of Lamps/LEDs:	1	**C** Value (failure fraction)	0		Note: Where dimming is specified: luminaires to achieve 0.1% Flicker free.	
			Height (mm):	25.5		Chris Skelley		HEC 06 W929	Lumens per Lamp/LED:	270	**F** Value (combined failure = B+C)	10			
			Diameter ø (mm):	N/A		t.	xx	Accessories	LOR (%):	63.0%	Chromaticity Variation (MacAdam ellipses) ≤:	3			
			Recess depth (mm):	N/A	**Location/Mounting Description**	m.	07769 703190	TBC by manufacturer	Luminaire lumens:	170.1	Flicker - % Modulation	X			
			Finish:	White	Lighting system to be integrated within window reveal to provide a soft glow upwards. Luminaire to be aimed towards the windows at 45 degrees (TBC with a mock-up)	e.	cs@afx.lighting	Manufacturer Warranty	Connected Load (Circuit Watt):	6	Flicker - Frequency (Hz)	X			
			IP rating:	67		www.	www.led-linear.com	5 years	Efficacy - Luminaire lm/cW (LL/cW):	28.35					
			IK rating:	10					CCT (K):	2900					
	Indicative image - specification may vary.	*Indicative image - specification may vary.*	Weight (kg):	N/A					CRI:	90					
B9			Fixation type	surface mounted	**Luminaire Description**	**Manufacturer / Supplier**		Luminaire Range:	Light source type (inc W):	LED	**L** LED lumen maintenance (L) @50Khrs	L90		**Control Protocol**	**Additional Notes (if applicable)**
			Length (mm):	67	Surface mounted and adjustable LED projector with very narrow beam light distribution. **Remote DALI driver will be required.**	Meyer Lighting		Nanocube	Lamp base (if applicable):	-	**B** Value (degradation fraction)	10		DALI Broadcast	On site mock up to be provided for client consultant approval. Fixing detail TBC by mock up. Remote DALI drivers to be provided.
			Width (mm):	61		**Contact Details**		Catalogue No	No. of Lamps/LEDs:	1	**C** Value (failure fraction)	0		Note: Where dimming is specified: luminaires to achieve 0.1% Flicker free.	
			Height (mm):	88		Howard Lawrence		8 308 066 018	Lumens per Lamp/LED:	326	**F** Value (combined failure = B+C)	10			
			Diameter ø (mm):	N/A		t.	01489 581002	Accessories	LOR (%):	100.0%	Chromaticity Variation (MacAdam ellipses) ≤:	3			
			Recess depth (mm):	N/A	**Location/Mounting Description**	m.	07885 674 299	TBC by manufacturer	Luminaire lumens:	326	Flicker - % Modulation	X			
			Finish:	White	To be mounted at ledge and illuminate the decorated trusses.	e.	Howard@commercial-lighting.co.uk	Manufacturer Warranty	Connected Load (Circuit Watt):	5	Flicker - Frequency (Hz)	X			
			IP rating:	65		www.	www.meyer-lighting.com	5 years	Efficacy - Luminaire lm/cW (LL/cW):	65.20					
			IK rating:	7					CCT (K):	3000					
	Indicative image - specification may vary.	*Indicative image - specification may vary.*	Weight (kg):	0.47					CRI:	80					

Ref.	Image	Dimensions	Luminaire Information		Description	Manufacturer & Contact		Product range & Catalogue No.	Light Source & Technical		LED Data		Photometry	Control Protocol	Notes
UNITS & BoH AREAS															
C1			Fixation type	ceiling recessed	**Luminaire Description**	**Manufacturer / Supplier**		Luminaire Range:	Light source type (inc W):	LED	**L** LED lumen maintenance (L) @50Khrs	LXX		**Control Protocol**	**Additional Notes (if applicable)**
			Length (mm):		Recessed LED downlight with cast aluminimum heat sink	Whitecroft Lighting		Espirit LED	Lamp base (if applicable):	-	**B** Value (degradation fraction)	0		ON/OFF	
			Width (mm):			**Contact Details**		Catalogue No	No. of Lamps/LEDs:	1	**C** Value (failure fraction)	0		Note: Where dimming is specified: luminaires to achieve 0.1% Flicker free.	
			Height (mm):	99.1		Tim Clark		ESLH14K	Lumens per Lamp/LED:	1	**F** Value (combined failure = B+C)	0			
			Diameter ø (mm):	192		t.	xx	Accessories	LOR (%):	100.0%	Chromaticity Variation (MacAdam ellipses) ≤:	X			
			Recess depth (mm):		**Location/Mounting Description**	m.	07711 053864	xx	Luminaire lumens:	1071	Flicker - % Modulation	X			
			Finish:	White	General Circulation routes and WC's	e.	tim.clark@whitecroftlight.com	Manufacturer Warranty	Connected Load (Circuit Watt):	10.1	Flicker - Frequency (Hz)	X			
			IP rating:	0		www.	www.whitecroftlighting.com	5 years	Efficacy - Luminaire lm/cW (LL/cW):	106.00					
			IK rating:						CCT (K):	xx					
	Indicative image - specification may vary.	*Indicative image - specification may vary.*	Weight (kg):	1					CRI:	80					
C1E	*As above.*	*As above.*	*As above.*		*As above but linked with central battery system*	*As above.*		Catalogue No.:	*As above.*		*As above.*		*As above.*	*As above.*	**Additional Notes (if applicable)**
C2			Fixation type	ceiling recessed	**Luminaire Description**	**Manufacturer / Supplier**		Luminaire Range:	Light source type (inc W):	LED	**L** LED lumen maintenance (L) @50Khrs	LXX		**Control Protocol**	**Additional Notes (if applicable)**
			Length (mm):		Recessed LED downlight with cast aluminimum heat sink	Whitecroft Lighting		Espirit LED	Lamp base (if applicable):	-	**B** Value (degradation fraction)	0		ON/OFF	
			Width (mm):			**Contact Details**		Catalogue No	No. of Lamps/LEDs:	1	**C** Value (failure fraction)	0		Note: Where dimming is specified: luminaires to achieve 0.1% Flicker free.	
			Height (mm):	99.1		Tim Clark		ESLH24K	Lumens per Lamp/LED:	1	**F** Value (combined failure = B+C)	0			
			Diameter ø (mm):	192		t.	xx	Accessories	LOR (%):	100.0%	Chromaticity Variation (MacAdam ellipses) ≤:	X			
			Recess depth (mm):		**Location/Mounting Description**	m.	07711 053864	xx	Luminaire lumens:	1940	Flicker - % Modulation	X			
			Finish:	White	WC's	e.	tim.clark@whitecroftlight.com	Manufacturer Warranty	Connected Load (Circuit Watt):	17.3	Flicker - Frequency (Hz)	X			
			IP rating:	0		www.	www.whitecroftlighting.com	5 years	Efficacy - Luminaire lm/cW (LL/cW):	112.00					
			IK rating:						CCT (K):	xx					
	Indicative image - specification may vary.	*Indicative image - specification may vary.*	Weight (kg):	1					CRI:	80					
C2E	*As above.*	*As above.*	*As above.*		*As above but linked with central battery system*	*As above.*		Catalogue No.:	*As above.*		*As above.*		*As above.*	*As above.*	**Additional Notes (if applicable)**
D			Fixation type	wall mounted	**Luminaire Description**	**Manufacturer / Supplier**		Luminaire Range:	Light source type (inc W):	LED	**L** LED lumen maintenance (L) @50Khrs	LXX		**Control Protocol**	**Additional Notes (if applicable)**
			Length (mm):		Surface Mounted or Recessed circular IP44 LED bulkhead luminaire	Whitecroft Lighting		Kolo Surface	Lamp base (if applicable):	-	**B** Value (degradation fraction)	0		ON/OFF	
			Width (mm):			**Contact Details**		Catalogue No	No. of Lamps/LEDs:	1	**C** Value (failure fraction)	0		Note: Where dimming is specified: luminaires to achieve 0.1% Flicker free.	
			Height (mm):	95		Tim Clark		K4H4274KS	Lumens per Lamp/LED:	1	**F** Value (combined failure = B+C)	0			
			Diameter ø (mm):	400		t.	xx	Accessories	LOR (%):	100.0%	Chromaticity Variation (MacAdam ellipses) ≤:	X			
			Recess depth (mm):		**Location/Mounting Description**	m.	07711 053864	xx	Luminaire lumens:	2790	Flicker - % Modulation	X			
			Finish:	Silver	Staircores	e.	tim.clark@whitecroftlight.com	Manufacturer Warranty	Connected Load (Circuit Watt):	131	Flicker - Frequency (Hz)	X			
			IP rating:	44		www.	www.whitecroftlighting.com	5 years	Efficacy - Luminaire lm/cW (LL/cW):	21.30					
			IK rating:						CCT (K):	4000					
	Indicative image - specification may vary.	*Indicative image - specification may vary.*	Weight (kg):	3.4					CRI:	80					
DE	*As above.*	*As above.*	*As above.*		*As above but linked with central battery system*	*As above.*		Catalogue No.:	*As above.*		*As above.*		*As above.*	*As above.*	**Additional Notes (if applicable)**
EX			Fixation type	TBC	**Luminaire Description**	**Manufacturer / Supplier**		Luminaire Range:	Light source type (inc W):	LED	**L** LED lumen maintenance (L) @50Khrs	LXX		**Control Protocol**	**Additional Notes (if applicable)**
			Length (mm):	330	Self-contained LED maintained emergency sign luminaire	Whitecroft Lighting		xx	Lamp base (if applicable):	xx	**B** Value (degradation fraction)	0		ON/OFF	
			Width (mm):	45		**Contact Details**		Catalogue No	No. of Lamps/LEDs:	xx	**C** Value (failure fraction)	0		Note: Where dimming is specified: luminaires to achieve 0.1% Flicker free.	
			Height (mm):	250		Tim Clark		EESM30	Lumens per Lamp/LED:	xx	**F** Value (combined failure = B+C)	0			
			Diameter ø (mm):			t.	xx	Accessories	LOR (%):	xx	Chromaticity Variation (MacAdam ellipses) ≤:	X			
			Recess depth (mm):		**Location/Mounting Description**	m.	07711 053864	xx	Luminaire lumens:	xx	Flicker - % Modulation	X			
			Finish:		Final Exits	e.	tim.clark@whitecroftlight.com	Manufacturer Warranty	Connected Load (Circuit Watt):	xx	Flicker - Frequency (Hz)	X			
			IP rating:	0		www.	www.whitecroftlighting.com	5 years	Efficacy - Luminaire lm/cW (LL/cW):	xx					
			IK rating:						CCT (K):	4000					
	Indicative image - specification may vary.	*Indicative image - specification may vary.*	Weight (kg):	2.5					CRI:	xx					
EE			Fixation type	suspended	**Luminaire Description**	**Manufacturer / Supplier**		Luminaire Range:	Light source type (inc W):	LED	**L** LED lumen maintenance (L) @50Khrs	LXX		**Control Protocol**	**Additional Notes (if applicable)**
			Length (mm):		Stand alone recessed or surface mounted white high performance LED emergency luminaire, complete with charge indicator, driver, charger and battery, capable of operation in non maintained mode.	Whitecroft Lighting		Florin E3	Lamp base (if applicable):	xx	**B** Value (degradation fraction)	0		ON/OFF	EE-RE - Whitecroft Florin E3 FLE32BLEM EE-RO - Whitecroft Florin E3 FLE31BLEM EE-SE - Whitecroft Florin E3 FLS31BLEP EE-SO - Whitecroft Florin E3 FLS31BLEP
			Width (mm):			**Contact Details**		Catalogue No	No. of Lamps/LEDs:	xx	**C** Value (failure fraction)	0		Note: Where dimming is specified: luminaires to achieve 0.1% Flicker free.	
			Height (mm):	43		Tim Clark		FLS31/EP See Notes	Lumens per Lamp/LED:	xx	**F** Value (combined failure = B+C)	0			
			Diameter ø (mm):	142		t.	xx		LOR (%):	xx	Chromaticity Variation (MacAdam ellipses) ≤:	X			
			Recess depth (mm):		**Location/Mounting Description**	m.	07711 053864	xx	Luminaire lumens:	260	Flicker - % Modulation	X			
			Finish:	Black	Tenant Units	e.	tim.clark@whitecroftlight.com	Manufacturer Warranty	Connected Load (Circuit Watt):	3	Flicker - Frequency (Hz)	X			
			IP rating:	40		www.	www.whitecroftlighting.com	xx	Efficacy - Luminaire lm/cW (LL/cW):	xx					
			IK rating:						CCT (K):	xx					
	Indicative image - specification may vary.	*Indicative image - specification may vary.*	Weight (kg):						CRI:	xx					

Schedule: 1705-BDP-AD-XX-SH-E-0001
Revision: T01
Status: For Tender
Date: 21/04/2023

Ref.	Image	Dimensions	Luminaire Information		Description	Manufacturer & Contact	Product range & Catalogue No.	Light Source & Technical		LED Data		Photometry	Control Protocol	Notes
F			Fixation type	suspended	**Luminaire Description**	**Manufacturer / Supplier**	Luminaire Range:	Light source type (inc W):	LED	**L** LED lumen maintenance (L) @50Khrs	LXX		**Control Protocol**	**Additional Notes (if applicable)**
			Length (mm):		LED Bulb	Phillips	CorePro LED bulb	Lamp base (if applicable):	-	**B** Value (degradation fraction)	0		ON/OFF	
			Width (mm):			**Contact Details**	Catalogue No	No. of Lamps/LEDs:	1521	**C** Value (failure fraction)	0		Note: Where dimming is specified: luminaires to achieve 0.1% Flicker free.	
			Height (mm):	110		xx	49074701	Lumens per Lamp/LED:	1	**F** Value (combined failure = B+C)	0			
			Diameter ø (mm):	60		t. xx	Accessories	LOR (%):	1.0%	Chromaticity Variation (MacAdam ellipses) ≤:	X			
			Recess depth (mm):		**Location/Mounting Description**	m. xx	xx	Luminaire lumens:	1521	Flicker - % Modulation	X			
			Finish:		Tenant Units / suspended from ceiling pendant	e. xx	Manufacturer Warranty	Connected Load (Circuit Watt):	13	Flicker - Frequency (Hz)	X			
			IP rating:	0		www. xx	xx	Efficacy - Luminaire lm/cW (LL/cW):	117.00					
			IK rating:					CCT (K):	2700					
	Indicative image - specification may vary.	*Indicative image - specification may vary.*	Weight (kg):					CRI:	xx					
G			Fixation type	TBC	**Luminaire Description**	**Manufacturer / Supplier**	Luminaire Range:	Light source type (inc W):	LED	**L** LED lumen maintenance (L) @50Khrs	LXX		**Control Protocol**	**Additional Notes (if applicable)**
			Length (mm):	1200	LED batten luminaire for surface, suspended or trunking mounting	Whitecroft Lighting	Trimpak	Lamp base (if applicable):	-	**B** Value (degradation fraction)	0		ON/OFF	
			Width (mm):	59		**Contact Details**	Catalogue No	No. of Lamps/LEDs:	1	**C** Value (failure fraction)	0			
			Height (mm):	78		Tim Clark	TL15H44K	Lumens per Lamp/LED:	1	**F** Value (combined failure = B+C)	0		Note: Where dimming is specified: luminaires to achieve 0.1% Flicker free.	
			Diameter ø (mm):			t. xx	Accessories	LOR (%):	100%	Chromaticity Variation (MacAdam ellipses) ≤:	X			
			Recess depth (mm):		**Location/Mounting Description**	m. 07711 053864	xx	Luminaire lumens:	5461	Flicker - % Modulation	X			
			Finish:		Comms / FM room	e. tim.clark@whitecroftlight.com	Manufacturer Warranty	Connected Load (Circuit Watt):	44	Flicker - Frequency (Hz)	X			
			IP rating:	0		www. www.whitecroftlighting.com	5 years	Efficacy - Luminaire lm/cW (LL/cW):	124					
			IK rating:					CCT (K):	4000					
	Indicative image - specification may vary.	*Indicative image - specification may vary.*	Weight (kg):	2.7				CRI:	80					
GE	*As above.*	*As above.*	*As above.*		*As above but linked with central battery system*	*As above.*	Catalogue No.:	*As above.*		*As above.*		*As above.*	*As above.*	**Additional Notes (if applicable)**
H			Fixation type	soffit/ceiling mounted	**Luminaire Description**	**Manufacturer / Supplier**	Luminaire Range:	Light source type (inc W):	LED	**L** LED lumen maintenance (L) @50Khrs	LXX		**Control Protocol**	**Additional Notes (if applicable)**
			Length (mm):	1282	LED IP66 anti-corrosive luminaire with GRP body with high impact polycarbonate injection moulded opal diffuser	Whitecroft Lighting	ACL Industry	Lamp base (if applicable):	-	**B** Value (degradation fraction)	0		ON/OFF	
			Width (mm):	145		**Contact Details**	Catalogue No	No. of Lamps/LEDs:	1	**C** Value (failure fraction)	0			
			Height (mm):	101		Tim Clark	ACH34K	Lumens per Lamp/LED:	1	**F** Value (combined failure = B+C)	0		Note: Where dimming is specified: luminaires to achieve 0.1% Flicker free.	
			Diameter ø (mm):			t. xx	Accessories	LOR (%):	100.0%	Chromaticity Variation (MacAdam ellipses) ≤:	X			
			Recess depth (mm):		**Location/Mounting Description**	m. 07711 053864	xx	Luminaire lumens:	3970	Flicker - % Modulation	X			
			Finish:	Grey	Electrical Plant Room	e. tim.clark@whitecroftlight.com	Manufacturer Warranty	Connected Load (Circuit Watt):	27.8	Flicker - Frequency (Hz)	X			
			IP rating:	66		www. www.whitecroftlighting.com	5 years	Efficacy - Luminaire lm/cW (LL/cW):	143.00					
			IK rating:	8				CCT (K):	4000					
	Indicative image - specification may vary.	*Indicative image - specification may vary.*	Weight (kg):	2.8				CRI:	80					
HE	*As above.*	*As above.*	*As above.*		*As above but linked with central battery system*	*As above.*	Catalogue No.:	*As above.*		*As above.*		*As above.*	*As above.*	**Additional Notes (if applicable)**
I			Fixation type	track mounted	**Luminaire Description**	**Manufacturer / Supplier**	Luminaire Range:	Light source type (inc W):	LED	**L** LED lumen maintenance (L) @50Khrs	LXX		**Control Protocol**	**Additional Notes (if applicable)**
			Length (mm):	N/A	Track directional low glare LED spotlight with wide lighting distribution and dedicated integral in-track driver	IBL	Tube 90	Lamp base (if applicable):	-	**B** Value (degradation fraction)	0		ON/OFF	
			Width (mm):	N/A		**Contact Details**	Catalogue No	No. of Lamps/LEDs:	1	**C** Value (failure fraction)	0			
			Height (mm):	225		Paul Coxon	240901L50.23120CT4-H	Lumens per Lamp/LED:	1	**F** Value (combined failure = B+C)	0		Note: Where dimming is specified: luminaires to achieve 0.1% Flicker free.	
			Diameter ø (mm):	90		t.	Accessories	LOR (%):	100.0%	Chromaticity Variation (MacAdam ellipses) ≤:	2			
			Recess depth (mm):	N/A	**Location/Mounting Description**	m. 7896299607	Honeycomb Louvres	Luminaire lumens:	1686	Flicker - % Modulation	X			
			Finish:	Black	Tenanted Units	e. pcoxon@ibl.co.uk	Manufacturer Warranty	Connected Load (Circuit Watt):	20	Flicker - Frequency (Hz)	X			
			IP rating:	20		www. www.ibl.co.uk	5 years	Efficacy - Luminaire lm/cW (LL/cW):	84.30					
			IK rating:	N/A				CCT (K):	3000					
	Indicative image - specification may vary.	*Indicative image - specification may vary.*	Weight (kg):	-				CRI:	90					

Ref.	Image	Dimensions	Luminaire Information		Description	Manufacturer & Contact		Product range & Catalogue No.	Light Source & Technical		LED Data		Photometry	Control Protocol	Notes
GE			Fixation type	wall mounted	**Luminaire Description**	**Manufacturer / Supplier**		Luminaire Range:	Light source type (inc W):	LED	**L** LED lumen maintenance (L) @50Khrs	LXX	*N/A*	**Control Protocol**	**Additional Notes (if applicable)**
			Length (mm):	350	3hr non maintained surface mounted IP65 emergency bulkhead	Whitecroft Lighting		Concert EX65	Lamp base (if applicable):	-	**B** Value (degradation fraction)	X		DALI Broadcast	
			Width (mm):	120		**Contact Details**		Catalogue No	No. of Lamps/LEDs:	1	**C** Value (failure fraction)	X		Note: Where dimming is specified: luminaires to achieve 0.1% Flicker free.	
			Height (mm):	90		Tim Clark		EX65M3	Lumens per Lamp/LED:	1	**F** Value (combined failure = B+C)	X			
			Diameter ø (mm):			t.	xx	Accessories	LOR (%):	100.0%	Chromaticity Variation (MacAdam ellipses) ≤:	X			
			Recess depth (mm):	N/A	**Location/Mounting Description**	m.	07711 053864		Luminaire lumens:	151	Flicker - % Modulation	X			
			Finish:	White	Final Exits	e.	tim.clark@whitecroftlight.com	Manufacturer Warranty	Connected Load (Circuit Watt):	1.2	Flicker - Frequency (Hz)	X			
			IP rating:	65		www.	www.whitecroftlighting.com	5 years	Efficacy - Luminaire lm/cW (LL/cW):						
			IK rating:	10					CCT (K):						
	Indicative image - specification may vary.	*Indicative image - specification may vary.*	Weight (kg):	-					CRI:						
			Fixation type	TBC	**Luminaire Description**	**Manufacturer / Supplier**		Luminaire Range:	Light source type (inc W):	N/A	**L** LED lumen maintenance (L) @50Khrs	N/A	*N/A*	**Control Protocol**	**Additional Notes (if applicable)**
			Length (mm):	2000	IBL track provides a flexible infrastructure for luminaires that can move with your changing requirements	IBL		T4 Multicircuit Track	Lamp base (if applicable):	N/A	**B** Value (degradation fraction)	N/A			
			Width (mm):	33.5		**Contact Details**		Catalogue No	No. of Lamps/LEDs:	N/A	**C** Value (failure fraction)	N/A			
			Height (mm):	34.3		Paul Coxon		5820.2020	Lumens per Lamp/LED:	N/A	**F** Value (combined failure = B+C)	N/A			
			Diameter ø (mm):	N/A		t.		Accessories	LOR (%):	N/A	Chromaticity Variation (MacAdam ellipses) ≤:	N/A			
			Recess depth (mm):	-	**Location/Mounting Description**	m.	7896299607	N/A	Luminaire lumens:	N/A	Flicker - % Modulation	N/A			
			Finish:	Black	To be ceiling recessed in Tenanted Units	e.	pcoxon@ibl.co.uk	Manufacturer Warranty	Connected Load (Circuit Watt):	N/A	Flicker - Frequency (Hz)	N/A			
			IP rating:	20		www.	www.ibl.co.uk	5 years	Efficacy - Luminaire lm/cW (LL/cW):	N/A					
			IK rating:	N/A					CCT (K):	N/A					
	Indicative image - specification may vary.	*Indicative image - specification may vary.*	Weight (kg):	N/A					CRI:	N/A					

IMPORTANT NOTES

1. Catalogue numbers are included for reference only. Details to be checked against the description with the manufacturer.
2. Please refer to BDP Lighting for any queries or anomalies regarding items described in this document, prior to ordering.
3. The suffix 'E' on the luminaire reference code denotes luminaires with emergency lighting function.
4. Standard manufacturer delivery lead time 6-12 weeks, ensure adequate time is programed for procurement.



BDP.