

Luminaire Schedule											
Symbol	Ref	Qty	Config	Outreach	Description	Lumens	S/P Ratio	Cutoff Class	Total MF	Unit Watts	Config Watts
	A	4	SINGLE	0	Kirium Wall 16 x 300mA 3K LED Array, Clear Wide Optic, 3m Wall TLS	1677	1.20	Non-Cutoff	0.840	12	12

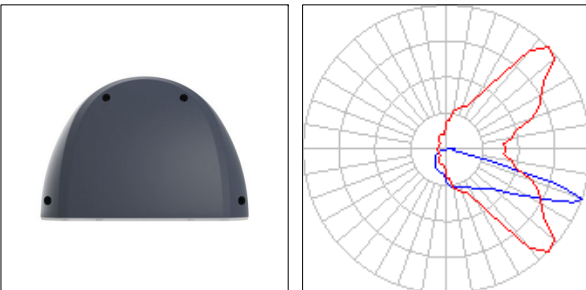
LLMF = 1.0 Based on CLO LED Data
LMF: BS5489-1:2013 [Table B1] 72 Months:

E3/E4 <6M TLS = 0.84

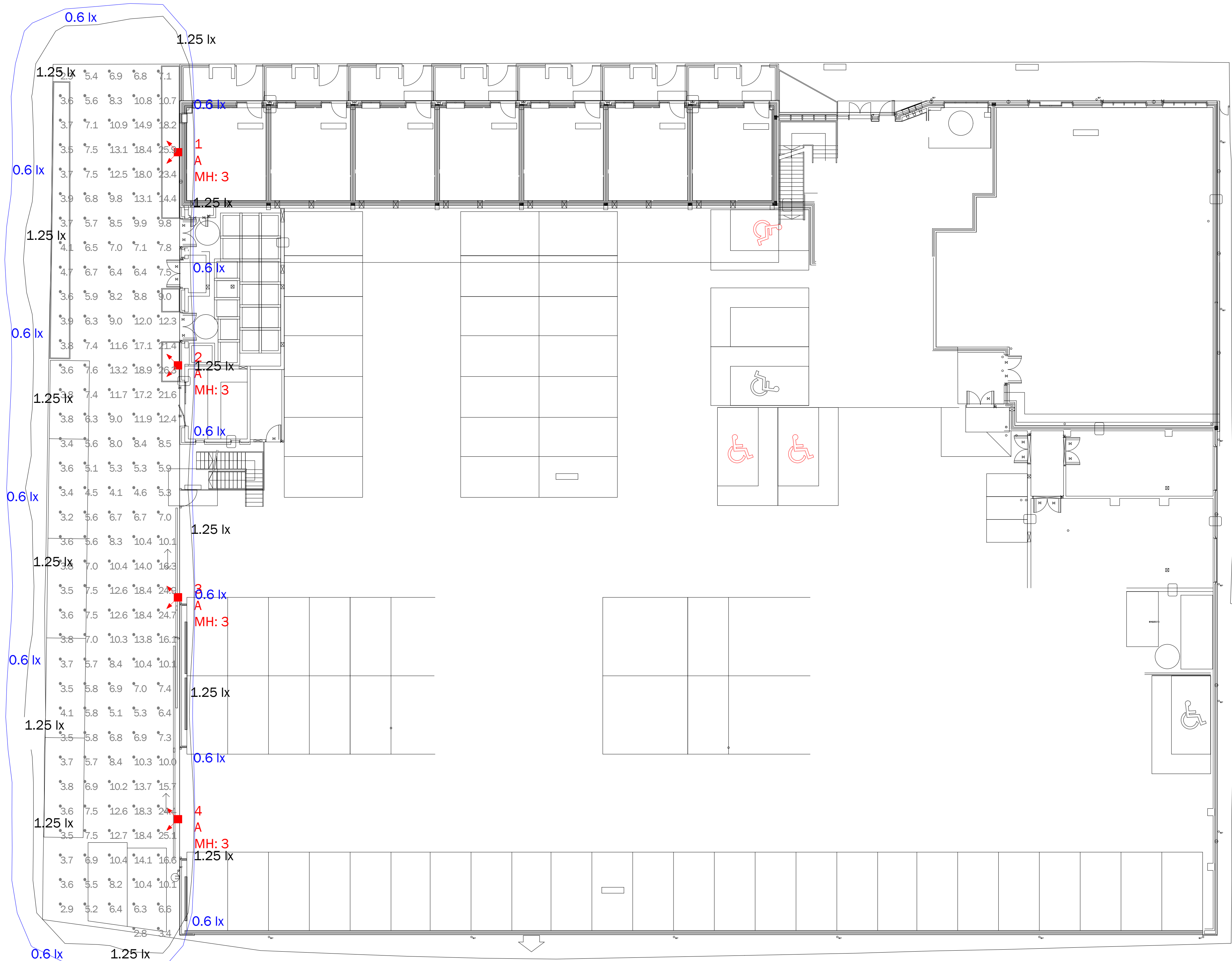
LLMF*LMF = Total MF

Calculation Summary									
Grid Ref	Measurement	Units	Eav	Emax	Emin	Uo	Ud	X Pitch	Y Pitch
Parking Area	Illuminance	Lux	8.91	26.3	2.8	0.31	0.11	1.5	1.5

Luminaire Location Summary						
Col ID	Ref (Qty)	X	Y	Z [Height]	Angle	Tilt
1	A (1)	99.937	20.723	3	180	0
2	A (1)	99.937	7.668	3	180	0
3	A (1)	99.937	-6.536	3	180	0
4	A (1)	99.937	-20.121	3	180	0



REF A:
Kirium Wall, 16 x 300mA 3K LED Array, Clear Wide Optic,
RAL7035 Light Grey, No Photocell.



BS EN 12464-2:2014 (BS 5489-1:2013 Table 5)
5.9 Parking Areas
5.9.1 Light Traffic e.g. parking areas of shops, terraced & apartment houses; cycle parks

5.0lx Eav
0.25Uo

Secured By Design HOMES 2019 (v2) Section 3
5.9 Private external lighting & dwelling lighting
5.9.1 Where possible the lighting requirements within BS 5489-1:2013 should be applied.
5.9.2 SDD requires that only luminaires with suitable photometry serving to reduce light spill and light pollution may be used.
Reducing light spill from inefficient luminaires into areas where lighting is not required is extremely important.
5.9.3 External public lighting must be switched using a photo electric cell (dark to dim) with a manual override or via a Central Management System (CMS) for large scale developments. If LED light sources are used then shorter burning hours can be programmed as no warm up time is required for the lamp.
5.9.4 Lighting is required to illuminate all elevations containing a doorman, car parking and garage areas and footpaths leading to dwellings and blocks of flats. Sufficient lighting is not appropriate as it does not project sufficient light at the right height making it difficult to recognise facial features and as a result causes an increase in the fear of crime.
5.9.5 Secured by Design encourages, wherever possible, the use of the most environmentally friendly light sources. Moreover the (LPI) currently favours the use of good quality LED lighting and other energy effective light sources and advises against the use of fluorescent lighting which is environmentally unsustainable for a variety of reasons.

A 04/02/20 Based on client CAD DWG
Issue: Date: Description:
CDM Statement:
Please note that this proposed lighting scheme is a lighting solution that has been designed with information provided by the client. The solution does not include site, installation engineering or any risk assessment considerations.



Project:
**Blyth Road,
Hayes**

Client: Bellway Homes North London Ltd Contact: Gurpreet Kambor
Project Management: Dean Johnson Lighting Design: Michael Walker
All measurements in Metres & lux. Do not scale from this drawing.
All product images are indicative.
Filename: 15098-1-A Blyth Road.AGI AG328 Version 19.11.27
Date: 04/02/2020 Scale: 1:150 @ A1
Project Ref: Page 1 of 1

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