

Luminaire Schedule	Symbol	Ref	Qty	Config	Outreach	Description	Lumens	Cutoff Class	Total MF	Unit Watts
		A	2	Single	D	PHILUM PRO MINI 18LED 3K AL QLO 500mA UM84G 42 0023 0000 100	3158	Non-Cutoff	0.920	23
		B	3	Single	D	PHILUM PRO MINI 18LED 3K G2 QLO 500mA UM84G 42 0023 0000 100	3124	Full Cutoff	0.920	23

LFP: BS5489-1:2020 (Annex D2) = 1.0 Based on CLO LED Data
 SF: BS5489-1:2020 (Annex D2) = 1.0
 LMF: BS5489-1:2020 (Table C1) = 72 Months
 E1/E2 = 6W T1.5 = 0.92
 LFP*SF*LMF = Total MF

Calculation Summary										
Grid Ref	Measurement	Units	Env	Emax	Emm	Up	Ud	X Pctn	Y Pctn	
Car Park	Illuminance	Lux	5.27	15.8	1.7	0.32	0.11	1.5	1.5	
Road 1	Illuminance	Lux	5.46	26.3	1.0	0.18	0.04	1.5	1.5	
Road 2	Illuminance	Lux	5.05	26.8	1.0	0.20	0.04	1.5	1.5	

Luminaire Location Summary						
Dot ID	Ref (Qty)	X	Y	Z (Height)	Angle	
1	A (1)	228395.477	51999.347	6	310.591	
2	A (1)	228425.577	51979.866	6	38.691	
3	B (1)	228426.56	52030.554	6	208.205	
4	B (1)	228426.843	52059.38	6	208.271	
5	B (1)	228430.303	52044.798	6	25.511	



REF A:
 PHILUM PRO MINI Post top, 18 LED, 3000K, AL, 500mA,
 Complete with 35 Lux Photocell, Painted in Grey Ral 7035,
 6M Tubular Steel column, Galvanised finish.



REF B:
 PHILUM PRO MINI Post top, 18 LED, 3000K, AL, 500mA,
 Complete with 35 Lux Photocell, Painted in Grey Ral 7035,
 6M Tubular Steel column, Galvanised finish.



BS EN 13201-2:2015
 6.1 Requirements for pedestrians & pedal cyclists
 Table 3 - P Lighting Classes
 Class P4:
 5.0 - 7.5lx Eav
 1.0lux Emm

Issue: 13/10/2021
 Date: 13/10/2021
 Description: Based on client DRG DWG



Project: Hambly's Garage
 Client: MMA Group/Big/Trust
 Project Management: Malyr/John
 Consultant: Samuel Hether
 Lighting Design: Emma Wood
 All measurements in metres & mm. Do not scale from this drawing.
 All product images are indicative.
 Filename: 21-0353-1A - 21 Hambly's Garage Design.dwg
 Date: 13/10/2021
 Scale: 1:250 @ A2
 Project Ref: 21-0353-1A
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