

Dimensions are not to be scaled from this drawing

BREEAM New Construction 2018 (UK)

D49437/C Cleator Moor Activity Centre



Part of the LUCECO PLC group of companies

Colour Temperature (°K)	Qty	Range	Light Source	Luminaire (lm)	Watts (W)	lm/W	LOR	Total Lumens	ULOR	Upward Lumens	CR	** AET Hour Per Day	CO ₂ (Tonnes)	kWh/Year
4000	2	Viva City PRO	40w LED FW70	5880	40	147.00	100%	11760	0.0%	0	>70	12	0.07	350.40
4000	5	Viva City PRO	60w LED FW70	8760	60	146.00	100%	43800	0.0%	0	>70	12	0.28	1314.00
4000	1	Viva City PRO Flood	60w LED FW70	8760	60	146.00	100%	8760	0.0%	0	>70	12	0.06	262.80
4000	11	Semita Urban	6w LED OC	802	6	133.67	100%	8822	0.0%	0	>70	12	0.06	289.08
4000	1	Viva City PRO	60w LED AYB70	5246	60	87.43	100%	5246	0.0%	0	>70	12	0.06	262.80

EN15193 - 2011

Table 1 Compliance

Environmental Zone

Environmental Zone

Sky glow

Target

Achieved

Status

Source Intensity (Candelas)

Pre-Curfew

Post-Curfew

Light Trespass into Windows (Lux)

Pre-Curfew

Post-Curfew

Building Luminance (cd/m²)

Target

Achieved

Status

Total Installation Lumens

Total Upward Light

Total CO₂ Per Year (Tonnes)

Total Electric Consumption (Kwh)

Total Electric Consumption Per Year (kWh)

Average Luminaire Lumens Per Circuit Watt

Compliance Status

Pre-Curfew

Post-Curfew

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Kingfisher Lighting

Part of the Luceco PLC group of companies



Symbol	Qty	Label	Arrangement	LLF	Description
AW	2	B	SINGLE	0.900	40W LED 4000K VIVA-CITY Pro 1050mA with FW70 forward throw optic wall mounted at 4.5m
B	2	B	SINGLE	0.900	60W LED 4000K VIVA-CITY Pro 610mA with FW70 forward throw optic column mounted at 6m
BZ	2	BZ	BACK-TO-BACK	0.900	2 x 60W LED 4000K VIVA-CITY Pro 610mA with FW70 forward throw optic column mounted at 6m
OW	1	OW	SINGLE	0.900	60W LED 4000K VIVA-CITY Flood 010mA with FW70 forward throw optic wall mounted at 4.5m
OW	11	OW	SINGLE	0.900	60W LED 4000K SEMITA Urban 2050mA with OC path optic wall mounted at various heights
E	1	E	SINGLE	0.900	60W LED 4000K VIVA-CITY Pro 610mA with AYB70 street optic column mounted at 6m

Label	CalcType	Units	Avg	Max	Min	MinAvg	MinMax
Building Perimeter	Illuminance	Lux	22.89	52	7	0.31	0.13
Car Park	Illuminance	Lux	21.64	58	6	0.28	0.10
Cycle Parking	Illuminance	Lux	21.57	31	12	0.58	0.39
ObtrusiveLight_1_Col_Seg1	Obtrusive - Cd	N.A.	419.11	1637	66	0.16	0.04
ObtrusiveLight_1_Col_Seg2	Obtrusive - Cd	N.A.	462.60	1326	78	0.17	0.06
ObtrusiveLight_1_II_Seg1	Obtrusive - II	Lux	0.61	3	0	0.00	0.00
ObtrusiveLight_1_II_Seg2	Obtrusive - II	Lux	0.33	1	0	0.00	0.00
ObtrusiveLight_2_Col_Seg1	Obtrusive - Cd	N.A.	116.17	235	28	0.34	0.12
ObtrusiveLight_2_Col_Seg2	Obtrusive - Cd	N.A.	0.00	0	0	N.A.	N.A.
ObtrusiveLight_2_Col_Seg3	Obtrusive - Cd	N.A.	93.83	218	18	0.19	0.08
ObtrusiveLight_2_Col_Seg4	Obtrusive - Cd	N.A.	84.92	243	13	0.15	0.05
ObtrusiveLight_2_II_Seg1	Obtrusive - II	Lux	0.00	0	0	N.A.	N.A.
ObtrusiveLight_2_II_Seg2	Obtrusive - II	Lux	0.00	0	0	N.A.	N.A.
ObtrusiveLight_2_II_Seg3	Obtrusive - II	Lux	0.00	0	0	N.A.	N.A.
ObtrusiveLight_2_II_Seg4	Obtrusive - II	Lux	0.00	0	0	N.A.	N.A.
ObtrusiveLight_3_Col_Seg1	Obtrusive - Cd	N.A.	18.32	50	7	0.38	0.14
ObtrusiveLight_3_II_Seg1	Obtrusive - II	Lux	0.00	0	0	N.A.	N.A.
ObtrusiveLight_3_II_Seg2	Obtrusive - II	Lux	0.00	0	0	N.A.	N.A.
ObtrusiveLight_4_Col_Seg1	Obtrusive - Cd	N.A.	136.20	251	15	0.37	0.20
ObtrusiveLight_4_Col_Seg2	Obtrusive - Cd	N.A.	147.33	263	51	0.35	0.19
ObtrusiveLight_4_Col_Seg3	Obtrusive - Cd	N.A.	162.67	299	59	0.36	0.20
ObtrusiveLight_4_Col_Seg4	Obtrusive - Cd	N.A.	133.20	248	15	0.41	0.22
ObtrusiveLight_4_II_Seg1	Obtrusive - II	Lux	0.00	0	0	N.A.	N.A.
ObtrusiveLight_4_II_Seg2	Obtrusive - II	Lux	0.00	0	0	N.A.	N.A.
ObtrusiveLight_4_II_Seg3	Obtrusive - II	Lux	0.00	0	0	N.A.	N.A.
ObtrusiveLight_4_II_Seg4	Obtrusive - II	Lux	0.00	0	0	N.A.	N.A.
Service Yard	Illuminance	Lux	20.28	47	5	0.25	0.11

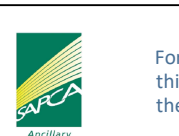
New Unmarked Parking Area
(Approximately 40-50 Spaces)

New parking (40 spaces)

Cleator Moor
Activity Centre

area of overgrown bushes
& trees

Cleator Moor Activity Centre



For our LED lighting designs a 0.9mf has been used. If this differs from the maintenance period for this project then you must advise us accordingly

Scale
1: 250 at A1

Project Number
D49437C

Date
27 July 2023

Drawing No.
D49437/UB/C

Lighting Designer : Jamie Buck MSL

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A1

Misslethwaite