

15671 - HEREFORD CLOSED ROAD CIRCUIT

Revsion B.
Cycle track relocated due to gas main routed across field

Project Number: 15671
Project Name: Hereford Cycle Track
Client: Halo Leisure Services

Date: 16.01.2023
Operator: Simon Taafe



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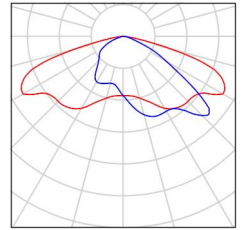
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15671 - HEREFORD CLOSED ROAD CIRCUIT / Luminaire parts list

47 Pieces TRILUX 7255451; Jovie 70-AB7L/18000-740
18G1 ETDD ETDD
Article No.: 7255451;
Luminous flux (Luminaire): 17998 lm
Luminous flux (Lamps): 18000 lm
Luminaire Wattage: 135.0 W
Luminaire classification according to CIE: 100
CIE flux code: 35 72 96 100 100
Fitting: 1 x LED (Correction Factor 1.000).

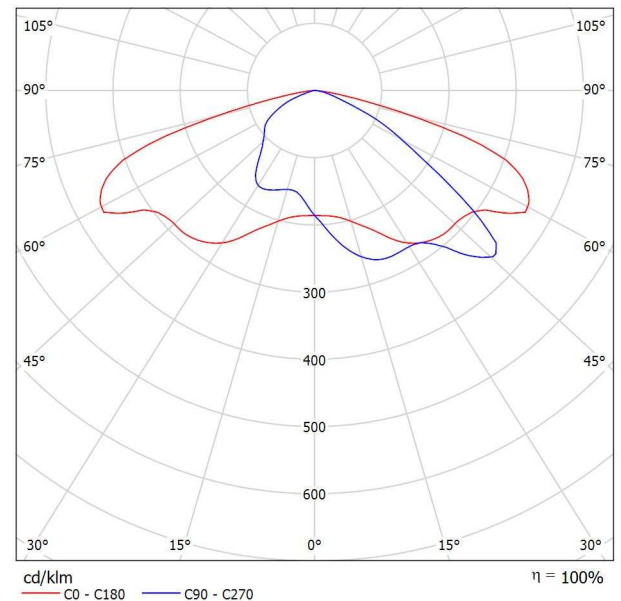


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TRILUX 7255451; Jovie 70-AB7L/18000-740 18G1 ETDD ETDD / Luminaire Data Sheet

Luminous emittance 1:



Luminaire classification according to CIE: 100
 CIE flux code: 35 72 96 100 100

Jovie 70-AB7L/18000-740 18G1 ETDD (TOC 7255451):
 Versatile outdoor post luminaire in minimalist, international design with flat construction. With an intelligent label for quick access to luminaire information by means of QR code. To be used as a post-top luminaire (spigot measurement Ø76 mm/ Ø60 mm, Jovie Z MB D...) or bracket-mounted luminaire (spigot measurement Ø42 mm/ Ø60 mm, Jovie A Z MB D...) in combination with the post fixing to be ordered separately.. The inclination of the luminaire head can be adjusted in 4 positions. (0° / 5° / 10° / 15°). As MLT version (Multi-Lens Technology), consisting of highly efficient UV and temperature-resistant lens systems in 4-fold configurations. With asymmetrical wide light intensity distribution. For road illumination in compliance with M5 and M6 lighting classes with road width to mounting height ratio of 0.4 to 0.8. Further beam characteristics are available for flexible adaptation to customer-specific lighting tasks. LED system consists of 18 MLT LED modules each with 4 LEDs. Luminaire luminous flux 18000 lm, connected load 135,00 W, luminous efficiency of luminaire 133 lm/W. Light colour neutral white, correlated colour temperature (CCT) 4000 K, general colour rendering index (CRI) Ra > 70. Colour locus tolerance (initial MacAdam) ≤ 5 SDCM. Further LED light colours available on request. Mean rated service life LCLO(tq 25 °C) = 100,000 h. The light source is replaceable according to the ecodesign requirements (VO (EU) 2019/2020). Luminaire body of die-cast aluminium. Anthracite colour, similar to DB703 with metal effect, highly weather resistant, powder-coated. Sea weather-suitable coating on request. With PMMA cover, printed. The cover can be individually printed on customer request. Visible label protected against weather impact behind the cover on request. Safety class (EN 61140): II, protection rating (DIN EN 60529): IP66, impact resistance level in accordance with IEC 62262: IK09. Mast available upon request. Windage area fw 0,220 m². Weight: 8,8 kg. The luminaire is connected without opening the luminaire body by means of the connection cable routed to the outside. Length of connection cable: 12,0 m. With electronic transformer, digitally dimmable (DALI). Control gear unit according to DALI-2 standard (EN 62386). The control gear unit is replaceable in accordance with the ecodesign requirements (VO (EU) 2019/2020). Surge voltage resistance 10 kV. Configurable ballast with luminous flux stabilising (CLO). Connected load at the end of service life: 142,00 W. The luminaire complies with the fundamental requirements of applicable EU regulations and product safety legislation and bears the CE symbol. The luminaire is also ENEC-certified by an independent testing authority.

Due to missing symmetry properties, no UGR table can be displayed for this luminaire.

Components:

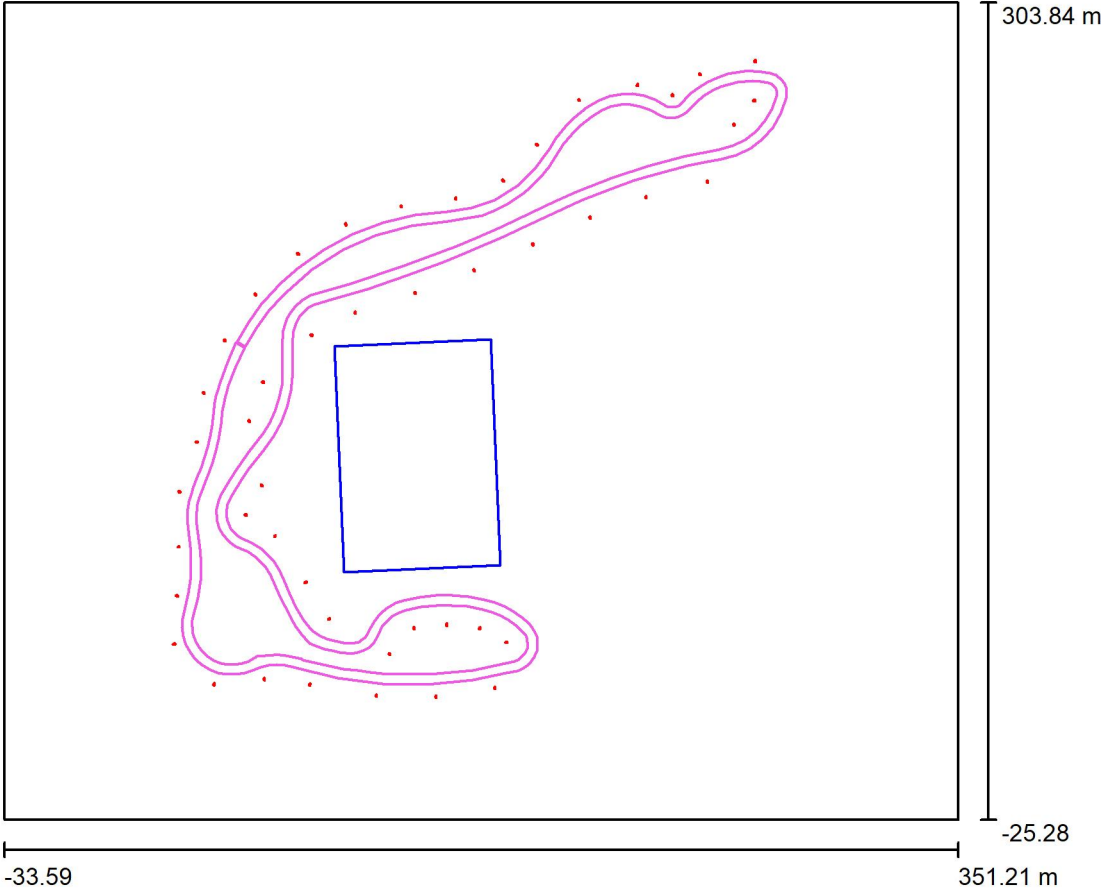
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Exterior Scene 1 / Planning data



Maintenance factor: 0.57, ULR (Upward Light Ratio): 0.0%

Scale 1:3051

Luminaire Parts List

No.	Pieces	Designation (Correction Factor)	Φ (Luminaire) [lm]	Φ (Lamps) [lm]	P [W]
1	47	TRILUX 7255451; Jovie 70-AB7L/18000-740 18G1 ETDD ETDD (1.000)	17998	18000	135.0
Total:			845914	Total: 846000	6345.0

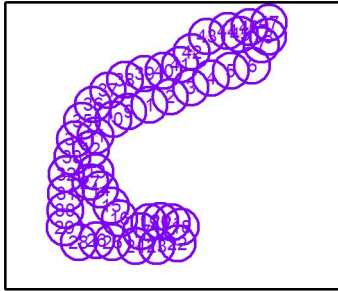
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Exterior Scene 1 / Luminaires (coordinates list)

TRILUX 7255451; Jovie 70-AB7L/18000-740 18G1 ETDD ETDD

17998 lm, 135.0 W, 1 x 1 x LED (Correction Factor 1.000).



No.	Position [m]			Rotation [°]		
	X	Y	Z	X	Y	Z
1	132.218	186.437	10.000	0.0	0.0	18.0
2	156.073	195.536	10.000	0.0	0.0	20.4
3	179.726	206.018	10.000	0.0	0.0	23.7
4	202.928	216.739	10.000	0.0	0.0	23.7
5	225.353	225.041	10.000	0.0	0.0	15.6
6	250.041	231.290	10.000	0.0	0.0	8.8
7	260.469	254.972	10.000	0.0	0.0	-150.9
8	268.493	264.274	10.000	0.0	0.0	-92.6
9	108.085	178.444	10.000	0.0	0.0	15.7
10	90.793	169.661	10.000	0.0	0.0	64.1
11	70.408	151.007	10.000	0.0	0.0	-100.7
12	64.913	135.506	10.000	0.0	0.0	-127.0
13	70.647	109.101	10.000	0.0	0.0	56.1
14	75.870	89.192	10.000	0.0	0.0	136.8
15	88.346	70.433	10.000	0.0	0.0	113.3
16	97.731	55.761	10.000	0.0	0.0	128.1
17	122.090	41.081	10.000	0.0	0.0	39.0
18	168.562	46.083	10.000	0.0	0.0	-94.7
19	131.856	51.402	10.000	0.0	0.0	14.9
20	144.878	52.800	10.000	0.0	0.0	-3.2
21	158.052	51.361	10.000	0.0	0.0	-18.2
22	164.417	27.296	10.000	0.0	0.0	12.9
23	140.596	23.871	10.000	0.0	0.0	6.0
24	116.396	24.241	10.000	0.0	0.0	-4.2
25	89.491	28.621	10.000	0.0	0.0	-20.4
26	71.343	30.875	10.000	0.0	0.0	11.1
27	64.294	97.391	10.000	0.0	0.0	88.5
28	50.999	28.849	10.000	0.0	0.0	-15.7

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Exterior Scene 1 / Luminaires (coordinates list)

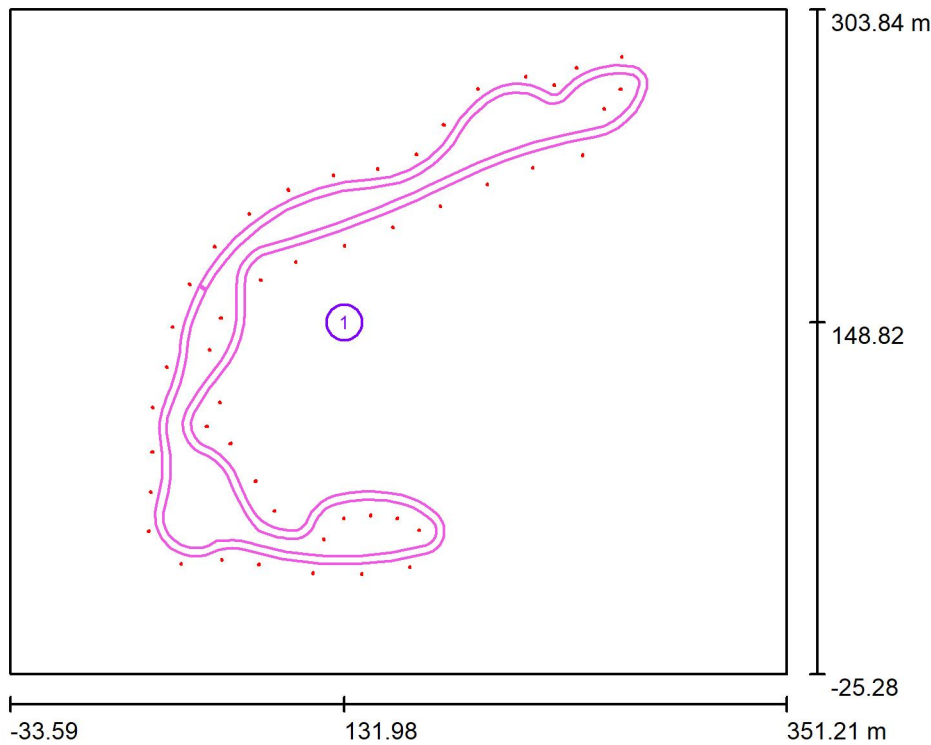
No.	Position [m]			Rotation [°]		
	X	Y	Z	X	Y	Z
29	34.652	45.333	10.000	0.0	0.0	-72.1
30	35.715	64.946	10.000	0.0	0.0	-104.0
31	36.421	84.537	10.000	0.0	0.0	-81.8
32	36.695	106.849	10.000	0.0	0.0	-109.3
33	43.674	126.819	10.000	0.0	0.0	-104.7
34	46.483	146.662	10.000	0.0	0.0	-104.8
35	54.974	167.946	10.000	0.0	0.0	-115.9
36	67.411	186.519	10.000	0.0	0.0	-132.2
37	84.626	202.872	10.000	0.0	0.0	-138.5
38	104.126	214.770	10.000	0.0	0.0	-155.2
39	126.488	222.061	10.000	0.0	0.0	-166.7
40	148.473	225.245	10.000	0.0	0.0	-171.1
41	167.426	232.333	10.000	0.0	0.0	-148.5
42	180.919	246.800	10.000	0.0	0.0	-126.3
43	197.948	264.873	10.000	0.0	0.0	-142.7
44	221.868	271.025	10.000	0.0	0.0	171.5
45	235.891	266.873	10.000	0.0	0.0	-173.5
46	246.784	275.302	10.000	0.0	0.0	-155.6
47	269.311	280.604	10.000	0.0	0.0	179.3



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Exterior Scene 1 / Calculation surfaces (results overview)



Scale 1 : 3745

Calculation Surface List

No.	Designation	Type	Grid	E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u0	E_{min} / E_{max}
1	Cycle Track Surface	perpendicular	128 x 128	20	12	33	0.589	0.366