

538915 - PENDINE PARK NEW CARE HOME

Partner for Contact:
Order No.:
Company:
Customer No.:

Date: 27.11.2020
Operator: Iman Khorramie

F.W. Thorpe
Thorlux Lighting
Merse Rd, Moons Moat North
Redditch, B98 9HH

Operator Iman Khorramie
Telephone 01527 583 222
Fax
e-Mail Iman.Khorramie@thorlux.co.uk

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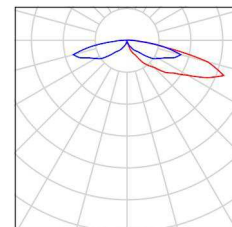
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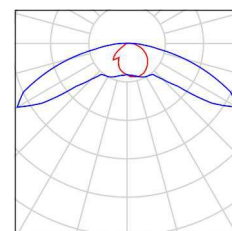
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External Lighting / Luminaire parts list

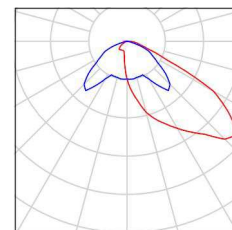
- 9 Pieces THORLUX PW19913 Passway 11W - Pathway
Distribution - 1100mm Root Mounted - 4000K
Article No.: PW19913
Luminous flux (Luminaire): 780 lm
Luminous flux (Lamps): 780 lm
Luminaire Wattage: 14.0 W
Luminaire classification according to CIE: 98
CIE flux code: 09 34 80 98 100
Fitting: 1 x Passway 11W Pathway (Correction Factor 1.000).



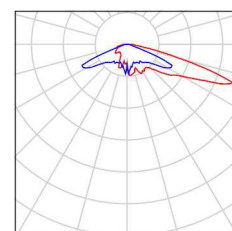
- 19 Pieces THORLUX RL19071 Realta LED Polycarbonate
Cover - 8W - Wide Distribution - 4000K
Article No.: RL19071
Luminous flux (Luminaire): 1320 lm
Luminous flux (Lamps): 1320 lm
Luminaire Wattage: 11.0 W
Luminaire classification according to CIE: 98
CIE flux code: 27 60 90 98 100
Fitting: 1 x Realta LED - 8W - Wide Distribution -
Polycarbonate Cover - 4000K (Correction Factor 1.000).



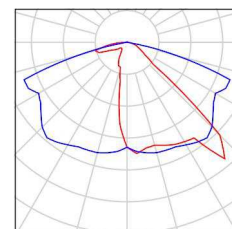
- 5 Pieces THORLUX RL19116 Realta LED - 20W - Area
Distribution - 4000K
Article No.: RL19116
Luminous flux (Luminaire): 2840 lm
Luminous flux (Lamps): 2840 lm
Luminaire Wattage: 23.0 W
Luminaire classification according to CIE: 100
CIE flux code: 32 74 96 100 100
Fitting: 1 x Realta LED - 20W - Area Distribution -
4000K (Correction Factor 1.000).



- 5 Pieces THORLUX SB19677 Starbeam ECO - Area
Distribution - 31W - 4000K
Article No.: SB19677
Luminous flux (Luminaire): 4135 lm
Luminous flux (Lamps): 4135 lm
Luminaire Wattage: 35.0 W
Luminaire classification according to CIE: 100
CIE flux code: 20 47 89 100 100
Fitting: 1 x Starbeam ECO 31W Area (Correction Factor 1.000).



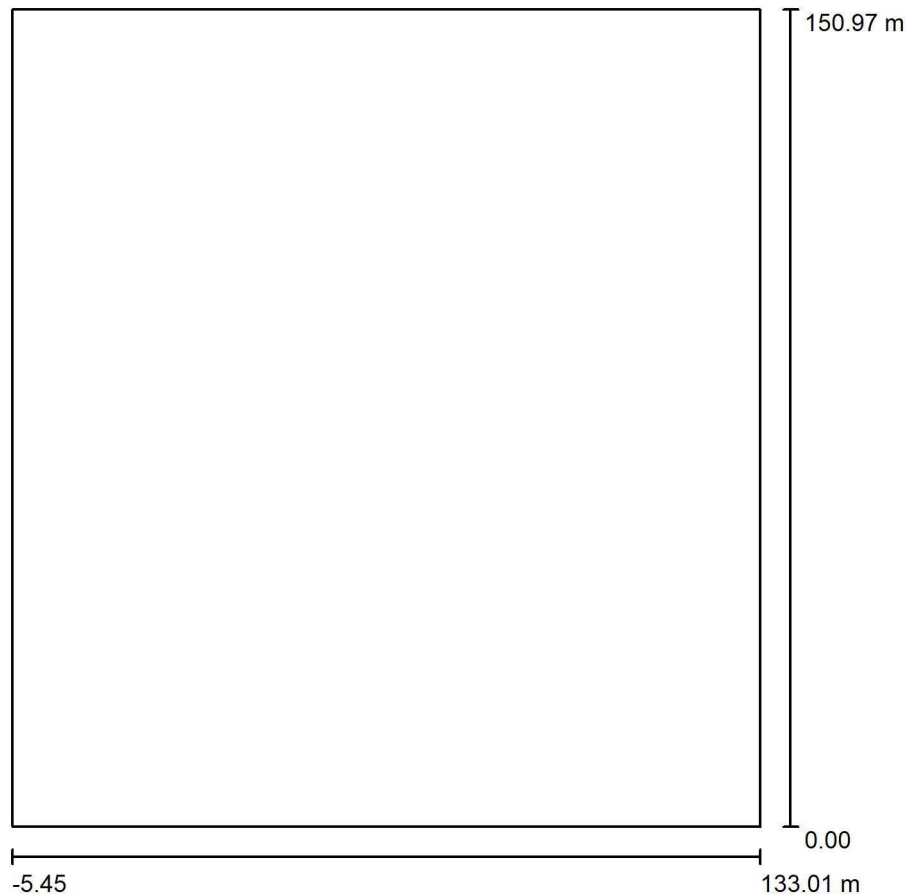
- 6 Pieces THORLUX SB19679 Starbeam ECO - Roadway
Distribution - 31W - 4000K
Article No.: SB19679
Luminous flux (Luminaire): 4225 lm
Luminous flux (Lamps): 4225 lm
Luminaire Wattage: 35.0 W
Luminaire classification according to CIE: 100
CIE flux code: 40 73 96 100 101
Fitting: 1 x Starbeam ECO 31W Roadway
(Correction Factor 1.000).



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External Lighting / Exterior Scene / Planning data



Maintenance factor: 0.80, ULR (Upward Light Ratio): 0.5%

Scale 1:1400

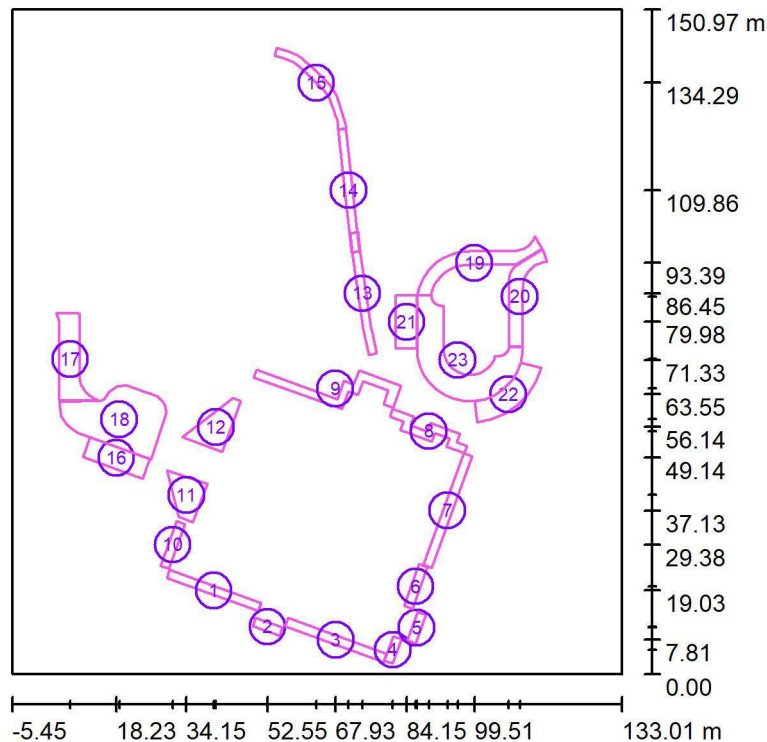
Luminaire Parts List

No.	Pieces	Designation (Correction Factor)	Φ (Luminaire) [lm]	Φ (Lamps) [lm]	P [W]
1	9	THORLUX PW19913 Passway 11W - Pathway Distribution - 1100mm Root Mounted - 4000K (1.000)	780	780	14.0
2	19	THORLUX RL19071 Realta LED Polycarbonate Cover - 8W - Wide Distribution - 4000K (1.000)	1320	1320	11.0
3	5	THORLUX RL19116 Realta LED - 20W - Area Distribution - 4000K (1.000)	2840	2840	23.0
4	5	THORLUX SB19677 Starbeam ECO - Area Distribution - 31W - 4000K (1.000)	4135	4135	35.0
5	6	THORLUX SB19679 Starbeam ECO - Roadway Distribution - 31W - 4000K (1.000)	4225	4225	35.0
Total:			92325	Total: 92325	835.0

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External Lighting / Exterior Scene / Calculation surfaces (results overview)



Scale 1 : 1718

Calculation Surface List

No.	Designation	Type	Grid	E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u_0	E_{min} / E_{max}
1	Pathway 1	perpendicular	55 x 5	15	9.00	24	0.616	0.373
2	Pathway 2	perpendicular	15 x 5	14	9.62	17	0.708	0.558
3	Pathway 3	perpendicular	55 x 5	13	5.77	16	0.453	0.354
4	Pathway 4	perpendicular	15 x 5	17	10	26	0.614	0.395
5	Pathway 5	perpendicular	15 x 5	13	9.57	15	0.738	0.621
6	Pathway 6	perpendicular	15 x 5	13	8.87	16	0.700	0.561
7	Pathway 7	perpendicular	15 x 5	14	6.59	19	0.483	0.339
8	Pathway 8	perpendicular	33 x 7	14	5.43	23	0.379	0.235
9	Pathway 9	perpendicular	25 x 7	17	8.95	27	0.531	0.334

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External Lighting / Exterior Scene / Calculation surfaces (results overview)

Calculation Surface List

No.	Designation	Type	Grid	E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u0	E_{min} / E_{max}
10	Pathway 10	perpendicular	15 x 5	13	9.28	21	0.690	0.443
11	Service Yard 1	perpendicular	11 x 11	45	15	66	0.328	0.222
12	Service Yard 2	perpendicular	11 x 9	46	20	68	0.425	0.291
13	Footpath Section 1	perpendicular	59 x 5	18	4.56	48	0.250	0.095
14	Footpath Section 2	perpendicular	59 x 5	16	4.27	45	0.263	0.095
15	Footpath Section 3	perpendicular	49 x 9	18	4.05	45	0.222	0.089
16	Car Park 1	perpendicular	19 x 7	11	7.17	17	0.667	0.423
17	Road 1	perpendicular	21 x 9	16	7.68	30	0.476	0.258
18	Turning Deliveries	perpendicular	13 x 9	11	7.18	28	0.661	0.259
19	Road 2	perpendicular	37 x 9	29	16	39	0.543	0.401
20	Road 3	perpendicular	21 x 7	24	12	35	0.482	0.336
21	Car Park 2	perpendicular	5 x 11	12	7.56	18	0.608	0.427
22	Car Park 3	perpendicular	21 x 9	12	6.49	19	0.537	0.347
23	Drop-off Point	perpendicular	15 x 9	11	5.38	20	0.505	0.274

Summary of Results

Type	Quantity	Average [lx]	Min [lx]	Max [lx]	u0	E_{min} / E_{max}
perpendicular	23	17	4.48	68	0.26	0.07

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External Lighting / Exterior Scene / 3D Rendering

