



**NOTES**

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE STATED.
2. DO NOT SCALE. WORK TO MEASURED DIMENSIONS ONLY. ALL DIMENSIONS & LEVELS ARE TO BE CHECKED BY THE CONTRACTOR.
3. THE CONTRACTOR SHALL NOTE THAT THIS DRAWING IS ROVICATIVE AND ILLUSTRATES DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETAILED DESIGN AND COORDINATION WITH THE STRUCTURE.
6. ANY DISCREPANCIES, ERRORS OR OMISSIONS ARE TO BE CLARIFIED WITH THE RELIANT ENGINEER AT THE EARLIEST OPPORTUNITY.
7. ALL WORKS ARE TO BE IN ACCORDANCE WITH THE CURRENT RELEVANT REGULATIONS BUILDING PRACTICE & TRADE ASSOCIATION REQUIREMENTS.
8. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL NECESSARY SUPPORTS & MOUNTING ACCESSORIES.
9. ALL ELECTRICAL INSTALLATIONS SHALL COMPLY WITH THE CURRENT I.S. 1011 (2020) WIRING REGULATIONS.
10. ALL M&E SERVICES DUCTING, METERS AND TIE IN POINTS TO BE CONFIRMED BY UTILITY SUPPLIERS.
11. FINAL SETTING OUT AND COORDINATION OF DUCTING TO BE CONFIRMED BY ARCHITECT AND CIVIL ENGINEERS.
12. EXTERNAL LIGHTING TO BE MOUNTED ON ANTI SHAKE COLUMNS.
13. IN-GROUND PUBLIC LIGHTING COLUMNS TO BE ROOT MOUNTED AND SET IN CONCRETE. LIGHTING COLUMNS TO BE OCTAGONAL IN SHAPE.
14. ALL DUCT TO BE COMPLIANCE WITH THE ESB AND THE LOCAL COUNTY COUNCIL.
15. ALL PUBLIC LIGHTING TO BE IN COMPLIANCE WITH THE LOCAL COUNTY COUNCIL PUBLIC LIGHTING REQUIREMENTS.
16. ALL ROOFTOP GARDENS TO BE LIT USING 1M 3000 BALLASTS.
17. THORN PLURIDURIS SCHREIDER LUMINAIRES WERE SELECTED FOR CALCULATION PURPOSES. PRODUCTS TO BE SELECTED IN LINE WITH PUBLIC PROCUREMENT GUIDELINES.
18. COURTYARD LAYOUTS TBC. COURTYARD LIGHTING LAYOUTS DEPENDANT ON FINAL COURTYARD ARRANGEMENTS.

**RESULTS**

Point	Horizontal Distance (m)	Vertical Distance (m)	Height (m)	Power (W)	Current (A)	Frequency (Hz)
Point 1	10.0	1.5	11.5	100	0.45	50
Point 2	15.0	2.0	17.0	150	0.68	50
Point 3	20.0	2.5	22.5	200	0.91	50
Point 4	25.0	3.0	28.0	250	1.14	50
Point 5	30.0	3.5	33.5	300	1.37	50
Point 6	35.0	4.0	39.0	350	1.60	50
Point 7	40.0	4.5	44.5	400	1.83	50
Point 8	45.0	5.0	50.0	450	2.06	50
Point 9	50.0	5.5	55.5	500	2.29	50
Point 10	55.0	6.0	61.0	550	2.52	50
Point 11	60.0	6.5	66.5	600	2.75	50
Point 12	65.0	7.0	72.0	650	2.98	50
Point 13	70.0	7.5	77.5	700	3.21	50
Point 14	75.0	8.0	83.0	750	3.44	50
Point 15	80.0	8.5	88.5	800	3.67	50
Point 16	85.0	9.0	94.0	850	3.90	50
Point 17	90.0	9.5	99.5	900	4.13	50
Point 18	95.0	10.0	105.0	950	4.36	50
Point 19	100.0	10.5	110.5	1000	4.59	50
Point 20	105.0	11.0	116.0	1050	4.82	50
Point 21	110.0	11.5	121.5	1100	5.05	50
Point 22	115.0	12.0	127.0	1150	5.28	50
Point 23	120.0	12.5	132.5	1200	5.51	50
Point 24	125.0	13.0	138.0	1250	5.74	50
Point 25	130.0	13.5	143.5	1300	5.97	50
Point 26	135.0	14.0	149.0	1350	6.20	50
Point 27	140.0	14.5	154.5	1400	6.43	50
Point 28	145.0	15.0	160.0	1450	6.66	50
Point 29	150.0	15.5	165.5	1500	6.89	50
Point 30	155.0	16.0	171.0	1550	7.12	50
Point 31	160.0	16.5	176.5	1600	7.35	50
Point 32	165.0	17.0	182.0	1650	7.58	50
Point 33	170.0	17.5	187.5	1700	7.81	50
Point 34	175.0	18.0	193.0	1750	8.04	50
Point 35	180.0	18.5	198.5	1800	8.27	50
Point 36	185.0	19.0	204.0	1850	8.50	50
Point 37	190.0	19.5	209.5	1900	8.73	50
Point 38	195.0	20.0	215.0	1950	8.96	50
Point 39	200.0	20.5	220.5	2000	9.19	50
Point 40	205.0	21.0	226.0	2050	9.42	50
Point 41	210.0	21.5	231.5	2100	9.65	50
Point 42	215.0	22.0	237.0	2150	9.88	50
Point 43	220.0	22.5	242.5	2200	10.11	50
Point 44	225.0	23.0	248.0	2250	10.34	50
Point 45	230.0	23.5	253.5	2300	10.57	50
Point 46	235.0	24.0	259.0	2350	10.80	50
Point 47	240.0	24.5	264.5	2400	11.03	50
Point 48	245.0	25.0	270.0	2450	11.26	50
Point 49	250.0	25.5	275.5	2500	11.49	50
Point 50	255.0	26.0	281.0	2550	11.72	50
Point 51	260.0	26.5	286.5	2600	11.95	50
Point 52	265.0	27.0	292.0	2650	12.18	50
Point 53	270.0	27.5	297.5	2700	12.41	50
Point 54	275.0	28.0	303.0	2750	12.64	50
Point 55	280.0	28.5	308.5	2800	12.87	50
Point 56	285.0	29.0	314.0	2850	13.10	50
Point 57	290.0	29.5	319.5	2900	13.33	50
Point 58	295.0	30.0	325.0	2950	13.56	50
Point 59	300.0	30.5	330.5	3000	13.79	50
Point 60	305.0	31.0	336.0	3050	14.02	50
Point 61	310.0	31.5	341.5	3100	14.25	50
Point 62	315.0	32.0	347.0	3150	14.48	50
Point 63	320.0	32.5	352.5	3200	14.71	50
Point 64	325.0	33.0	358.0	3250	14.94	50
Point 65	330.0	33.5	363.5	3300	15.17	50
Point 66	335.0	34.0	369.0	3350	15.40	50
Point 67	340.0	34.5	374.5	3400	15.63	50
Point 68	345.0	35.0	380.0	3450	15.86	50
Point 69	350.0	35.5	385.5	3500	16.09	50
Point 70	355.0	36.0	391.0	3550	16.32	50
Point 71	360.0	36.5	396.5	3600	16.55	50
Point 72	365.0	37.0	402.0	3650	16.78	50
Point 73	370.0	37.5	407.5	3700	17.01	50
Point 74	375.0	38.0	413.0	3750	17.24	50
Point 75	380.0	38.5	418.5	3800	17.47	50
Point 76	385.0	39.0	424.0	3850	17.70	50
Point 77	390.0	39.5	429.5	3900	17.93	50
Point 78	395.0	40.0	435.0	3950	18.16	50
Point 79	400.0	40.5	440.5	4000	18.39	50
Point 80	405.0	41.0	446.0	4050	18.62	50
Point 81	410.0	41.5	451.5	4100	18.85	50
Point 82	415.0	42.0	457.0	4150	19.08	50
Point 83	420.0	42.5	462.5	4200	19.31	50
Point 84	425.0	43.0	468.0	4250	19.54	50
Point 85	430.0	43.5	473.5	4300	19.77	50
Point 86	435.0	44.0	479.0	4350	20.00	50
Point 87	440.0	44.5	484.5	4400	20.23	50
Point 88	445.0	45.0	490.0	4450	20.46	50
Point 89	450.0	45.5	495.5	4500	20.69	50
Point 90	455.0	46.0	501.0	4550	20.92	50
Point 91	460.0	46.5	506.5	4600	21.15	50
Point 92	465.0	47.0	512.0	4650	21.38	50
Point 93	470.0	47.5	517.5	4700	21.61	50
Point 94	475.0	48.0	523.0	4750	21.84	50
Point 95	480.0	48.5	528.5	4800	22.07	50
Point 96	485.0	49.0	534.0	4850	22.30	50
Point 97	490.0	49.5	539.5	4900	22.53	50
Point 98	495.0	50.0	545.0	4950	22.76	50
Point 99	500.0	50.5	550.5	5000	22.99	50
Point 100	505.0	51.0	556.0	5050	23.22	50

**LEGEND**

	Luminaire A		Luminaire B
	Luminaire C		Luminaire D

  

	THORN PLURID		THORN PLURID
	THORN PLURID		THORN PLURID

LUMINAIRES SELECTED FOR CALCULATION PURPOSES. PRODUCTS TO BE SELECTED IN LINE WITH PUBLIC PROCUREMENT GUIDELINES

Rev	Date	Description	Orig	App
P11	15/09/2024	ISSUED FOR PLANNING	MOC	AD
P10	13/09/2024	ISSUED FOR PLANNING	MOC	AD
P09	06/09/2024	ISSUED FOR PLANNING	MOC	AD
P08	02/08/2024	ISSUED FOR PLANNING	MOC	AD
P07	12/07/2024	ISSUED FOR PLANNING	MOC	AD
P06	11/07/2024	ISSUED FOR PLANNING	MOC	AD
P05	10/07/2024	ISSUED FOR PLANNING	MOC	AD
P04	23/05/2024	ISSUED FOR PLANNING	MOC	AD
P03	17/04/2024	ISSUED FOR PLANNING	MOC	AD
P02	10/04/2024	ISSUED FOR PLANNING	MOC	AD
P01	09/03/2022	ISSUED FOR PLANNING	AD	ROF

Applicant: DÚN LAOCHAIRE RATHDOWN COUNTY COUNCIL, IN PARTNERSHIP WITH THE LAND DEVELOPMENT AGENCY

Name of Job: PROPOSED PART 10 RESIDENTIAL DEVELOPMENT  
DUNDUM CENTRAL DEVELOPMENT  
DUNDUM ROAD  
DUBLIN 14

Title of Drawing: PUBLIC LIGHTING LAYOUT

Drawing No: CMHD-EDC-00-00-DR-E-3000

Scale	Model Manager	Project Manager	Status	Revision
1:500	AD	ROF	S2	P11

**EDC** Mechanical & Electrical Consulting Engineers

100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558,