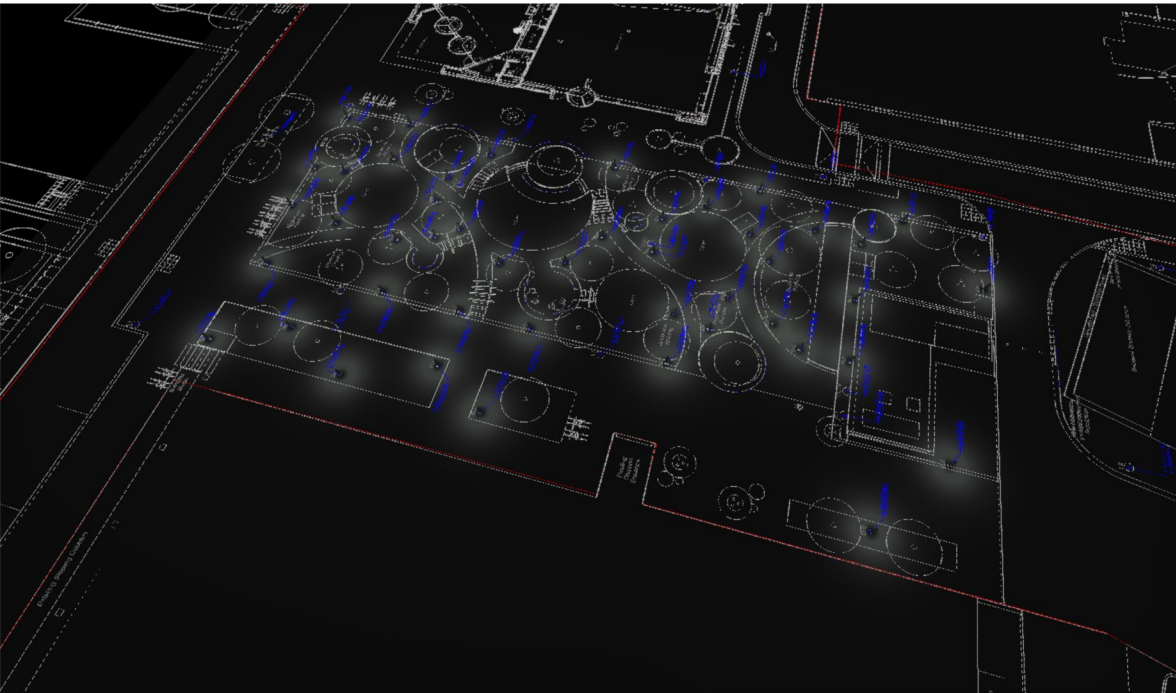
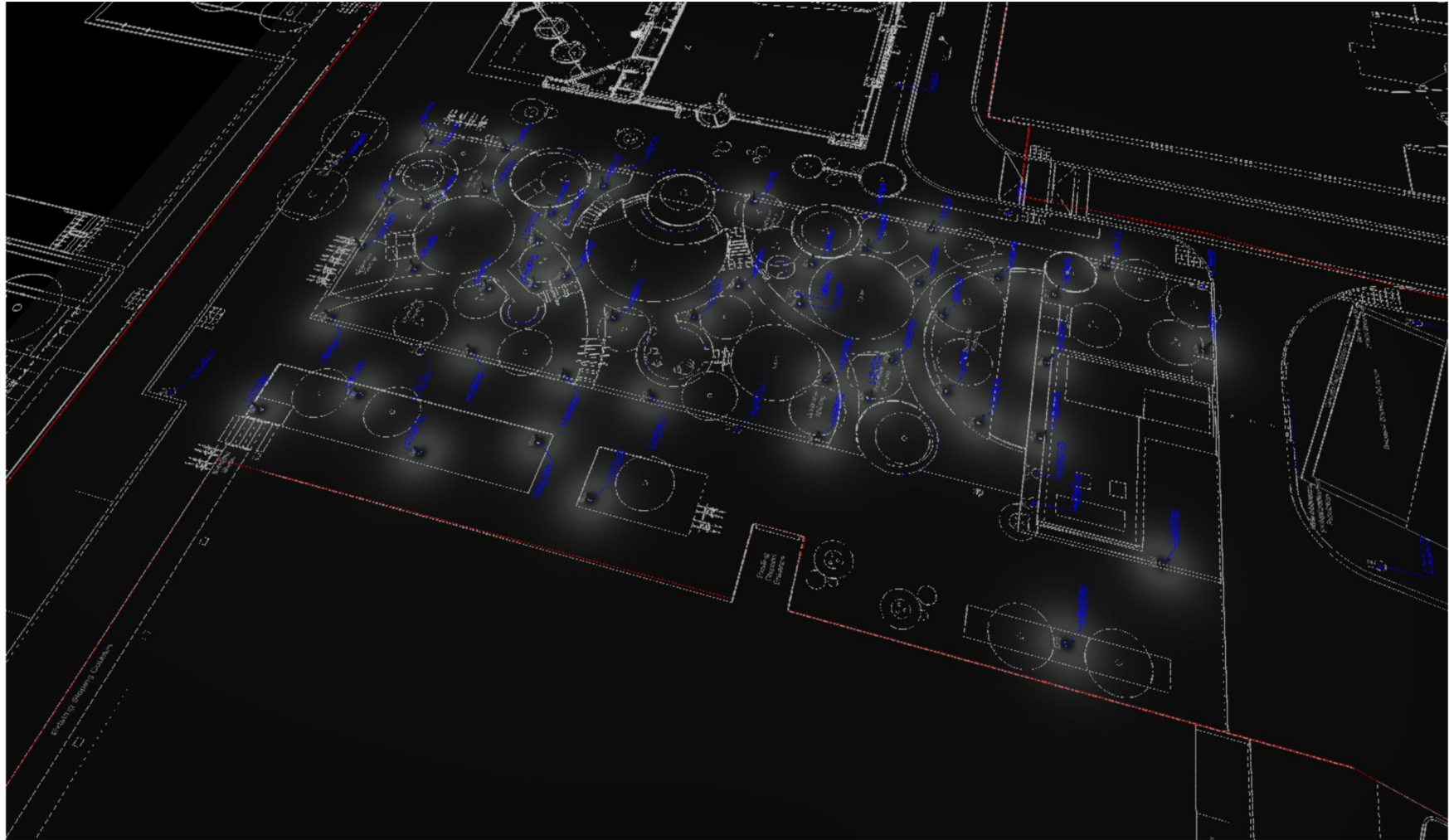


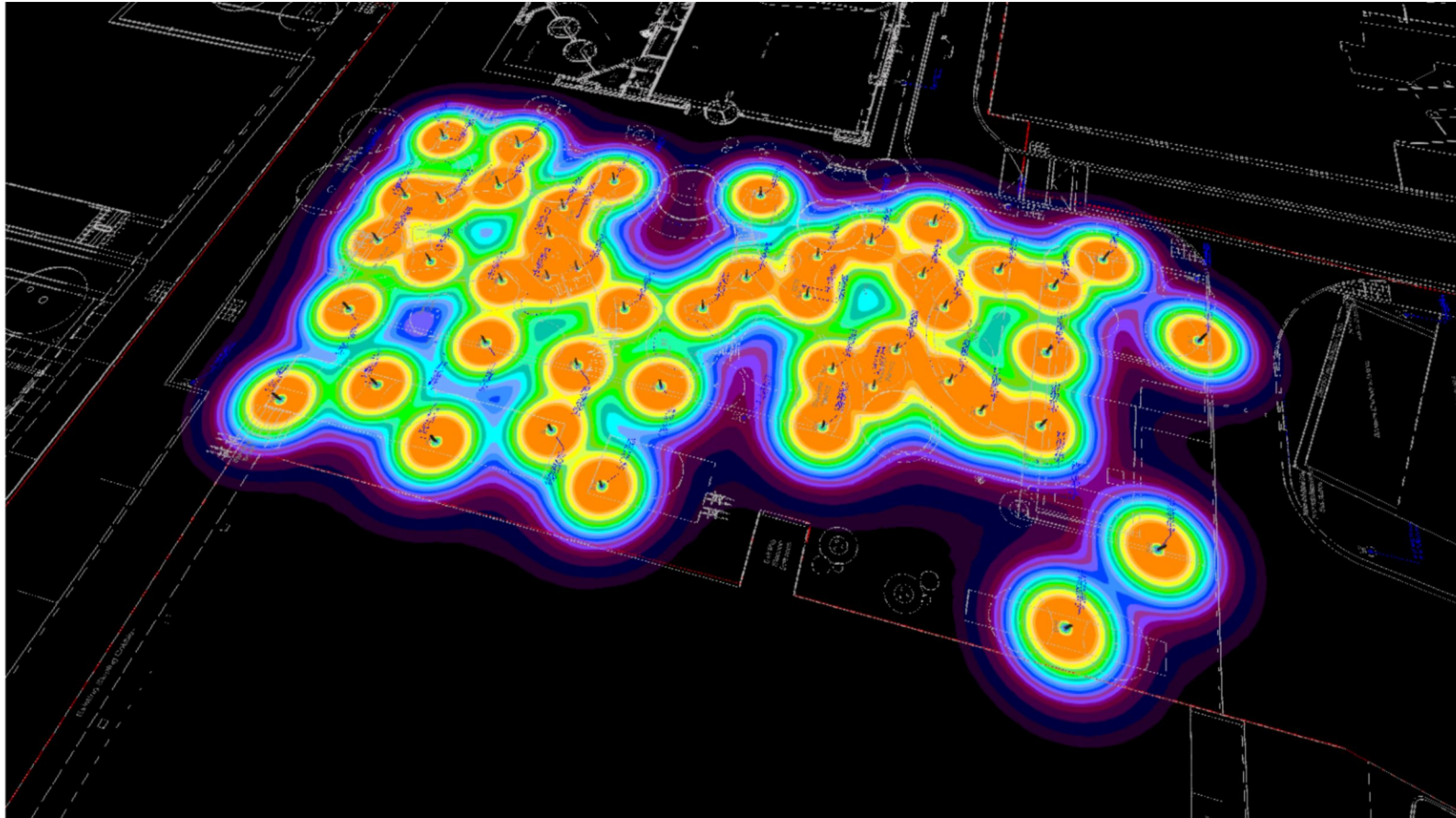


7700458487 - Circle Square Exterior

Images



Images



Luminaire list

Φ_{total} 28014 lm	P_{total} 1242.0 W	Luminous efficacy 22.6 lm/W
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pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
46	ERCO	33933000	Castor Bollard luminaire 1×LED 24.2W warm white	27.0 W	609 lm	22.6 lm/W

Product data sheet

ERCO - Castor Bollard luminaire 1×LED 24.2W warm white



Article No.	33933000
P	27.0 W
Φ_{Lamp}	—
$\Phi_{\text{Luminaire}}$	609 lm
η	—
Luminous efficacy	22.6 lm/W
CCT	3009 K
CRI	92

33933.000

ERCO Castor Bollard luminaire

Floor washlight

Graphit m

LED module: 24.2W 2869lm 3000K warm white

DALI-2

Version 3

Radial beam (360°)

For mounting on accessories.

Bollard: corrosion-resistant aluminium profile, No-Rinse surface treatment. Double powder-coated. Optimised surface for reduced accumulation of dirt.

Upper cover and base plate: corrosion-resistant cast aluminium, No-Rinse surface treatment. Double powder-coated. Base plate for mounting on ground socket, concrete anchor or mounting plate.

2 cable entries. Through-wiring possible. 4 terminals.

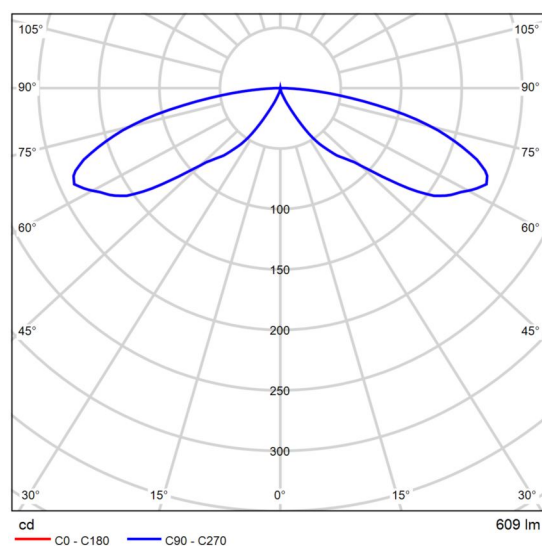
DALI control gear.

LED module: high-power LEDs.

360° light guidance ring made of optical polymer.

Anti-glare cone: corrosion-resistant cast aluminium, No-Rinse surface treatment. double powder-coated and black lacquered.

Glare-free above the light aperture.



Polar LDC

Glare evaluation according to UGR												
p Ceiling	70	70	50	50	30	70	70	50	50	30		
p Walls	50	30	50	30	30	50	30	50	30	30		
p Floor	20	20	20	20	20	20	20	20	20	20		
Room size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	23.4	25.4	23.8	25.6	25.9	23.4	25.4	23.8	25.6	25.9	
	3H	27.1	28.9	27.4	29.2	29.5	27.1	28.9	27.4	29.2	29.5	
	4H	28.4	30.1	28.8	30.4	30.8	28.4	30.1	28.8	30.4	30.8	
	6H	29.3	30.9	29.7	31.2	31.6	29.3	30.9	29.7	31.2	31.6	
	8H	29.5	31.1	29.9	31.4	31.8	29.5	31.1	29.9	31.4	31.8	
	12H	29.6	31.1	30.0	31.5	31.8	29.6	31.1	30.0	31.5	31.8	
4H	2H	24.9	26.6	25.2	26.9	27.2	24.9	26.6	25.2	26.9	27.2	
	3H	28.4	29.9	28.8	30.2	30.6	28.4	29.9	28.8	30.2	30.6	
	4H	29.8	31.2	30.2	31.5	31.9	29.8	31.2	30.2	31.5	31.9	
	6H	30.8	32.0	31.2	32.4	32.8	30.8	32.0	31.2	32.4	32.8	
	8H	31.1	32.2	31.5	32.6	33.0	31.1	32.2	31.5	32.6	33.0	
	12H	31.2	32.3	31.7	32.7	33.1	31.2	32.3	31.7	32.7	33.1	
8H	4H	30.4	31.5	30.8	31.9	32.3	30.4	31.5	30.8	31.9	32.3	
	6H	31.5	32.4	32.0	32.9	33.3	31.5	32.4	32.0	32.9	33.3	
	8H	31.9	32.7	32.3	33.1	33.6	31.9	32.7	32.3	33.1	33.6	
	12H	32.1	32.8	32.6	33.3	33.8	32.1	32.8	32.6	33.3	33.8	
12H	4H	30.4	31.4	30.9	31.9	32.3	30.4	31.4	30.9	31.9	32.3	
	6H	31.6	32.4	32.1	32.9	33.4	31.6	32.4	32.1	32.9	33.4	
	8H	32.0	32.7	32.5	33.2	33.7	32.0	32.7	32.5	33.2	33.7	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.0 / -0.0					+0.0 / -0.0					
S = 1.5H		+0.1 / -0.1					+0.1 / -0.1					
S = 2.0H		+0.3 / -0.4					+0.3 / -0.4					
Standard table							---					
Correction summand							---					
Corrected glare indices referring to 6e+02lm Total luminous flux												

UGR diagram (SHR: 0.25)

Product data sheet

ERCO - Castor Bollard luminaire 1×LED 24.2W warm white

Mounting accessories to be ordered separately.

Protection mode IP65: dust-proof and water jet-proof.

Version with 3000K CRI 97 or 2700K, 3500K, 4000K CRI 92 available on request.

Technical data

Luminous flux of the luminaire 609lm

Connected load 27W

Luminaire efficacy 23lm/W

Colour deviation 1.5 SDCM

Colour rendition index CRI 92

Lumen maintenance (LED manufacturer specifications) L90/B10

$\leq 50000h$, L90 $\leq 100000h$

LED failure rate 0.1% $\leq 50000h$

Dimming range 1%-100%

Dimming method CCR

TLA (Temporal Light Artefacts) SVM ≤ 0.4 ; PstLM ≤ 1

Standby power per control gear 0.10W

Luminaires per circuit breaker B16 up to 23

Temperature on the light aperture 35°C

Housing temperature 53°C

Maximum wind load area 0.15m²

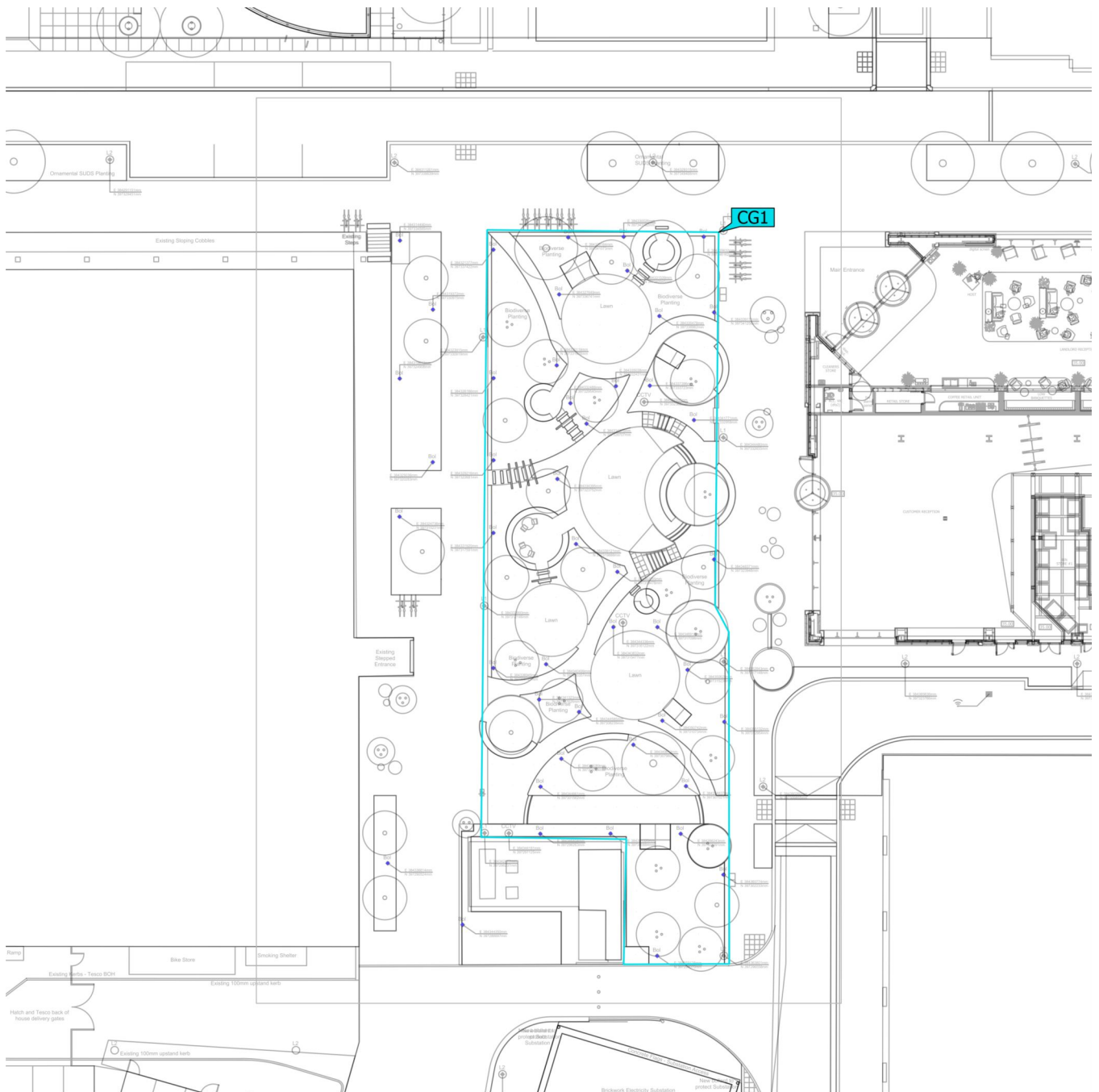
Length 900mm

Diameter 169mm

Weight 8.14kg

CE, EAC, ENEC15, RCM, UKCA, IP65, Protection Class II

Site 1 (Light scene 1)

Calculation objects

Site 1 (Light scene 1)

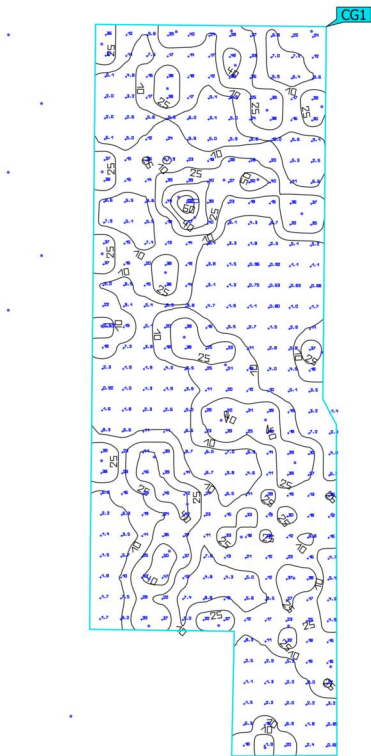
Calculation objects

Calculation surfaces

Properties	$\bar{E}$	E_{min}	E_{max}	$U_o (g_1)$	g_2	Index
Calculation surface 1 Perpendicular illuminance Height: 0.000 m	16.0 lx	0.51 lx	68.0 lx	0.032	0.008	CG1

Utilisation profile: DIALux presetting (5.1.4 Standard (outdoor transportation area))

Site 1 (Light scene 1)
Calculation surface 1



Properties	$\bar{E}$	E_{min}	E_{max}	$U_o (g_1)$	g_2	Index
Calculation surface 1 Perpendicular illuminance Height: 0.000 m	16.0 lx	0.51 lx	68.0 lx	0.032	0.008	CG1

Utilisation profile: DIALux presetting (5.1.4 Standard (outdoor transportation area))