

**DATE:** April 2024  
**DESIGNER:** HEALY Consulting Engineers Ltd  
**PROJECT No:** P0611  
**PROJECT NAME:** Goleen Co. Cork

**LIGHTING  
REALITY**

Lighting Design to BS EN 5489-1: 2020

Lighting Class P2  
Eav> 10 Lux, Emin> 2 Lux, UO> 0.2

## Outdoor Lighting Report

## Layout Report

### General Data

Dimensions in Metres Angles in Degrees

### Calculation Grids

ID	Grid Name	X	Y	X' Length	Y' Length	X' Spacing	Y' Spacing
1	Grid 1	278334.53	129496.41	102.41	54.80	1.48	1.48

### Luminaires



### Luminaire A Data

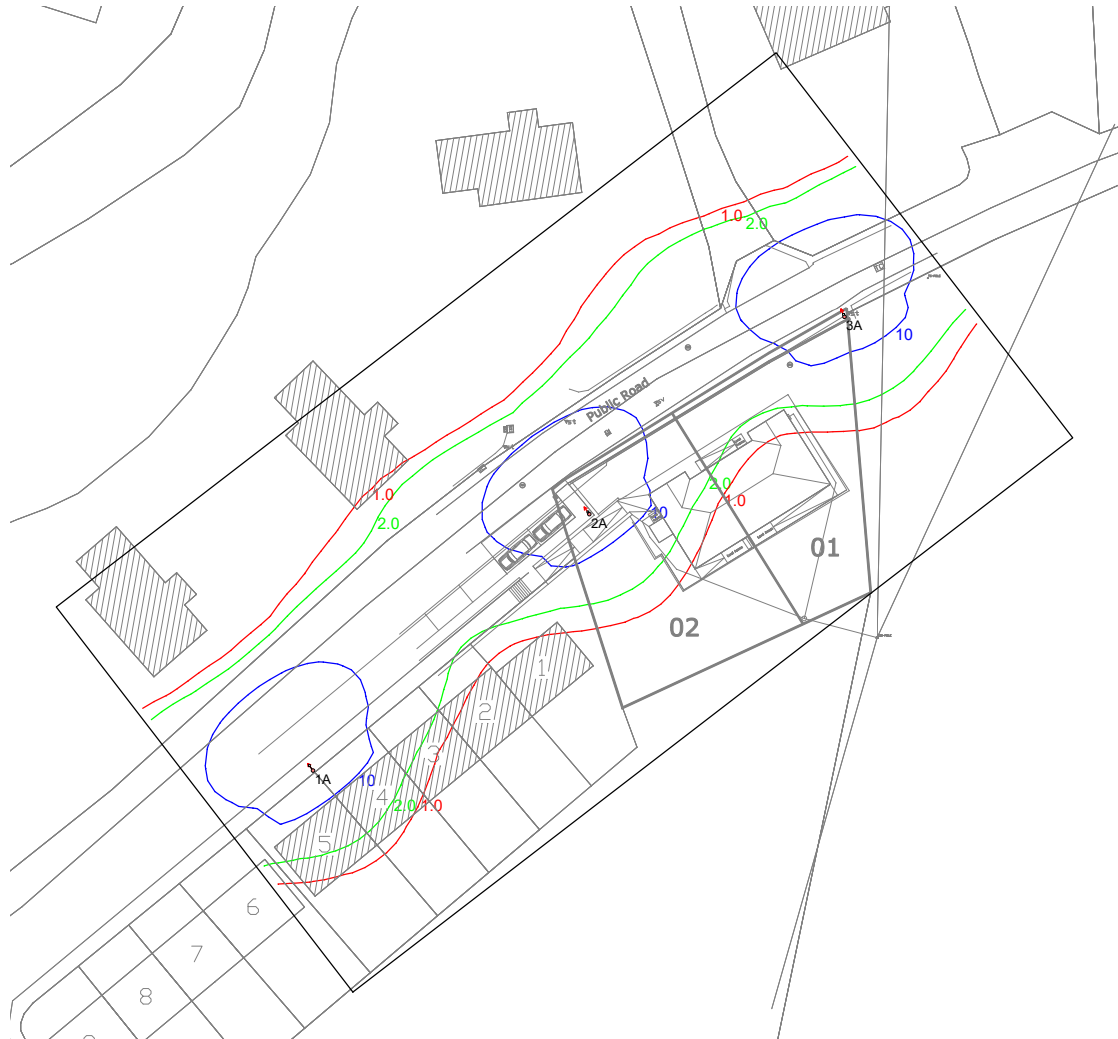
Supplier	Philips
Type	BGP703 DW10
Lamp(s)	LED-HB 5.2S 730
Lamp Flux (klm)	10.00
File Name	Luma Gen2 Mini_BGP703_DW10_10000_40LED_5.2S_CLO_L90_730.ies
Maintenance Factor	0.84
Imax70,80,90(cd/klm)	438.8, 62.1, 0.0
No. in Project	3

### Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	A	278330.04	129521.39	8.00	127.00	0.00	0.00	0.70			
2	A	278361.18	129550.30	8.00	126.00	0.00	0.00	0.30			
3	A	278389.94	129572.54	8.00	114.00	0.00	0.00	0.30			

## Horizontal Illuminance (lux)

Grid 1



### Results

Eav	10.08
Emin	2.48
E <sub>max</sub>	25.13
E <sub>min</sub> /E <sub>max</sub>	0.10
E <sub>min</sub> /E <sub>av</sub>	0.25