

# Ballincollig SHD Public Lighting Report



Prepared By:  
JODA Engineering Consultants  
Model Farm Road  
Cork



**DATE:** 4th March 2020  
**DESIGNER:** Ben Barry  
**PROJECT No:** 3866  
**PROJECT NAME:** Ballincollig Apartments



Roadway To Lighting Class P3,  
A) 6759\_3 TRAFFIK LED ED, 3450lm/740, O48, 23w.  
w/ 7 pin nema socket (twilight sensor)

Results:

Roadway: Eav - 7.25 lux, Emin 1.92, Uo 0.26

## Public Lighting Report

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## Layout Report

### General Data

Dimensions in Metres Angles in Degrees  
Grid Origin 76.5m x 306.0m  
Area 170.8m x 109.8m  
Sample Spacing 1.50m x 1.48m

### Luminaires



### Luminaire A Data

Supplier	LUG
Type	6759_3 TRAFFIK LED ED 3450lm/740 IP66 O48 szary 1 kl.
Lamp(s)	Duris S8 4000K LED
LampFlux(klm)/Colour	3.45 4000/70
File Name	130292.5L091.140_TRAFFIK_LED_23W_3 450lm_4000K_IP66_O48_do_powierzchni...
Maintenance Factor	0.76
Imax70,80,90(cd/klm)	407.2, 31.5, 0.2
Lamp S/P Ratio	1.57
No. in Project	10

### Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	A	201.09	394.55	6.00	270.00	5.00	0.00	0.00			
2	A	170.66	394.06	6.00	270.00	5.00	0.00	0.00			
3	A	140.49	393.30	6.00	270.00	10.00	0.00	0.00			
4	A	238.82	404.23	6.00	180.00	5.00	0.00	0.00			
5	A	221.16	395.65	6.00	270.00	5.00	0.00	0.00			
6	A	111.50	393.64	6.00	270.00	10.00	0.00	0.00			
7	A	89.99	376.54	6.00	306.00	5.00	0.00	0.00			
8	A	232.41	339.53	6.00	175.00	5.00	0.00	0.00			
9	A	220.31	326.10	6.00	335.00	10.00	0.00	0.00			
10	A	236.10	369.68	6.00	175.00	5.00	0.00	0.00			

## Horizontal Illuminance (lux)

Grid 1 - Roadway



### Results

Eav	7.25
Emin	1.92
Emax	19.36
Emin/Emax	0.10
Emin/Eav	0.26