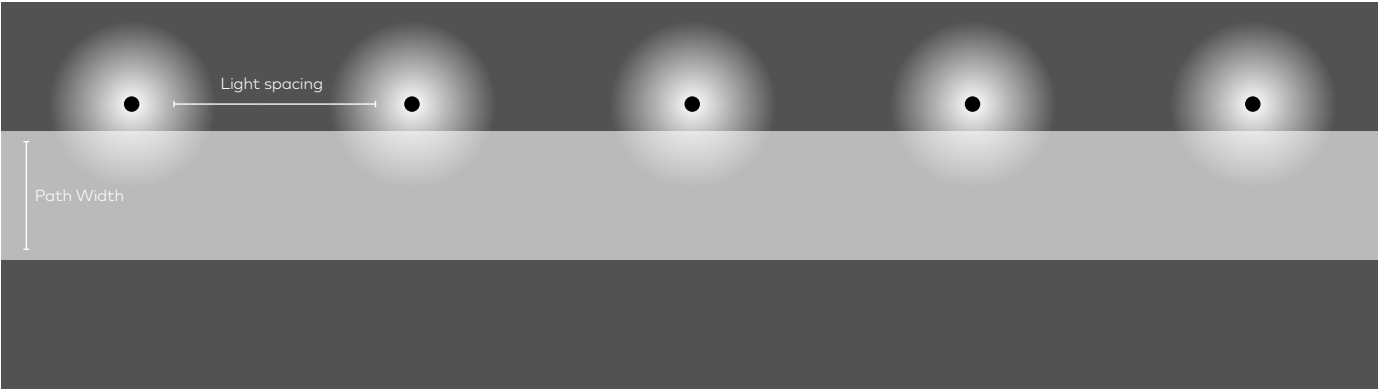


180° Bollard	Light spacing	
Path Width	1m Path	2m Path
PP1	3.4m	1.8m
PP2	4m	2.7m
PP3	4.7m	3.8m
PP4	5.7m	4.9m
PP5	6m	6m

180° Bollard	Light spacing	
Path Width	1m Path	2m Path
PP1	6.2m	5.9m
PP2	7.1m	6.9m
PP3	8.2m	7.8m
PP4	8.9m	8.8m
PP5	10m	10m

180° Bollard	Light spacing	
Path Width	1m Path	2m Path
PP1	8.6m	8.1m
PP2	10m	9.9m
PP3	10.9m	10.8m
PP4	12.8m	12.6m
PP5	14.2m	14m

360° Bollard	Light spacing	
Path Width	1m Path	2m Path
PP1	4.1m	3.1m
PP2	5.1m	4m
PP3	5.9m	5.2m
PP4	6.3m	6m
PP5	6.8m	6.8m

360° Bollard	Light spacing	
Path Width	1m Path	2m Path
PP1	7.3m	6.9m
PP2	8.4m	8m
PP3	9.6m	9.3m
PP4	10m	10.1m
PP5	11.5m	11m

360° Bollard	Light spacing	
Path Width	1m Path	2m Path
PP1	10m	9.8m
PP2	11.3m	10.5m
PP3	13m	12.8m
PP4	14.5m	14.2m
PP5	15.8m	15.9m

Lighting subcategory	Light technical parameters (LTP) as per AS/NZS 1158.3.1:2020		
	Average horizontal illuminance	Point horizontal illuminance	Illuminance horizontal uniformity
PP1	10lx	2lx	5
PP2	7lx	1lx	5
PP3	3lx	0.5lx	5
PP4	1.5lx	0.25lx	5
PP5	0.85lx	0.14lx	5

Note	
Calculations are based on a maintenance factor of 0.8	Confirm on requirements of UWLR > 2% for standard model.
Bollard has been set 300mm away from the edge of the pathway	Spacing Guide calculations have been simulated on Dialux Evo 12.
All calculations are based off 3000K CRI90. Calculations for other CCT options can be provided on request.	Calculation grid points have been placed as per standards requirements depending on path width.
Calculations exclude Point Vertical illuminance. Check designs on requirement.	