



Power Calculation :

Our Dialux studies are realized with the average Sunshine coefficient regarding to cities/seasons

This coefficient take into account the led luminous flux, the product algorithm, and the 5 years' irradiation data by cities listed below.

For example: For a study made in Marseille the coefficient will be 1.6 which is 170 average lighting lumen

Changes of the light Power :

The screenshot shows the 'Technique' tab in Dialux. Under 'Emission de lumière 1', the 'Flux lumineux' field is highlighted with a blue circle and contains the value '115 lm'. Other fields include 'Lampes', 'Puissance' (0.0 W), 'Facteur de correction' (1.000), and 'Raison de correction'. Below this is a project tree for 'Projet 1' containing several lighting fixtures, with '1 x NOWATT LIGHTING TRES ETROIT 5°' highlighted in blue.

2) Change the power : enter the average luminous flux corresponding of the city.

1) Click on the light to modify

E. ONYX : Coefficient by location

City	Spring (4;5;6)	Summer (7;8;9)	Autumn (10;11;12)	Winter (1;2;3)	Annual average	verage luminous flux
Amsterdam	1.5	1.2	0.3	0.3	0.8	88
Barcelona	2.1	2.3	0.8	1.2	1.6	169
Bilbao	1.9	2.0	0.6	0.8	1.3	139
Mumbai	2.5	2.3	2.2	2.5	2.4	249
Buenos Aires	0.9	1.1	2.1	2.0	1.5	160
Caen	1.5	2.1	0.7	0.3	1.1	119
Clermont Ferrand	1.8	1.8	0.5	0.7	1.2	124
Dubai	2.7	2.8	1.7	1.7	2.2	233
Genève	1.2	1.4	0.4	0.4	0.9	91
Istanbul	1.8	2.2	0.6	0.5	1.3	132
Johannesburg	1.8	2.1	2.5	2.3	2.2	230
Kansas City	1.8	2.1	0.9	0.9	1.4	152
Lisbon	2.5	2.6	1.0	1.3	1.8	194
London	1.3	1.1	0.3	0.4	0.8	82
Los Angeles	2.7	2.7	1.3	1.5	2.1	217
Lyon	1.7	1.7	0.6	0.7	1.2	125
Madrid	2.3	2.5	0.8	1.1	1.7	176
Malaga	2.4	2.6	0.9	1.2	1.8	185
Marrakech	2.5	2.5	1.2	1.7	2.0	208
Marseille	2.3	2.4	0.8	1.0	1.6	170
Melbourne	0.9	1.1	2.1	2.1	1.5	160
Mexico	2.5	2.3	2.0	2.3	2.3	240
New York	1.6	1.8	0.8	0.9	1.3	135
Palma de Majorca	2.4	2.5	1.0	1.4	1.8	190
Paris	1.6	1.6	0.3	0.3	0.9	100
Porto	2.3	2.3	0.8	1.0	1.6	167
Roma	2.0	2.2	0.6	0.9	1.4	149
Saint Denis la Réunion	1.8	2.2	2.6	2.2	2.2	230
Singapore	1.8	1.8	1.8	1.9	1.8	192
Tokyo	1.5	1.5	0.8	1.4	1.3	139
Valence	2.3	2.4	0.9	1.2	1.7	178

We can calculate another city when requested.

Motion Sensor

The motion sensor allows a power saving. The average luminous flux is higher. For the motion sensor the coefficient to apply is 2.7 which is 280 lumens of luminous flux.

ONYX BOLLARD : Coefficient by location

Ville	printemps (4;5;6)	été (7;8;9)	automne (10;11;12)	hiver (1;2;3)	moyenne annuelle	flux lumineux moyen
Amsterdam	2,81	2,47	1,14	1,44	1,96	205
Barcelone	2,81	2,66	2,29	2,53	2,57	269
Bordeaux	2,81	2,67	1,74	2,16	2,35	245
Caen	2,84	2,62	1,37	1,63	2,11	221
Casablanca	2,86	2,69	2,66	2,78	2,75	288
Clermont-Ferrand	2,82	2,67	1,68	2,04	2,30	241
Genève	2,68	2,59	1,56	1,88	2,18	228
Lisbonne	2,86	2,70	2,43	2,73	2,68	280
Londres	2,65	2,54	1,11	1,34	1,91	200
Lyon	2,69	2,65	1,67	1,96	2,24	234
Madrid	2,87	2,70	2,32	2,69	2,65	277
Marseille	2,85	2,70	2,22	2,33	2,53	264
Nantes	2,80	2,66	1,66	1,86	2,24	235
Niort	2,80	2,66	1,66	1,86	2,24	240
Paris	2,81	2,65	1,32	1,69	2,12	222
Rome	2,73	2,69	1,84	2,36	2,40	251
Saint-Denis	2,77	2,68	2,75	2,78	2,75	287

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