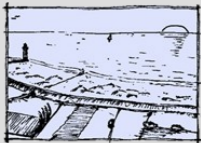



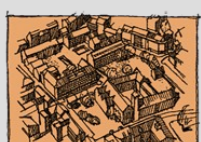



**ATLANTECH LUX HEAVY  
CAPACITY TABLES**  
(max. heights above ground)

Terrain Categories	Fundamental value of the basic wind velocity [V <sub>b,0</sub> ]		
	m/s	km/h	mph
<b>Category 0</b> Sea coastal area 	25	90	56
	27	97	60
	29	104	65
	31	112	69
	33	119	74
	36	130	81
<b>Category I</b> Flat area with negligible vegetation 	25	90	56
	27	97	60
	29	104	65
	31	112	69
	33	119	74
	36	130	81
<b>Category II</b> Area with low vegetation and isolated obstacles 	25	90	56
	27	97	60
	29	104	65
	31	112	69
	33	119	74
	36	130	81
<b>Category III</b> Suburban Area 	25	90	56
	27	97	60
	29	104	65
	31	112	69
	33	119	74
	36	130	81
<b>Category IV</b> Urban Area 	25	90	56
	27	97	60
	29	104	65
	31	112	69
	33	119	74
	36	130	81

Urban lighting : Example 1

Light pole with single street lighting.  
MAXIMUM AREA (OVER LIGHT POLE) EXPOSED AT WIND ACTIONS = 0,20 m<sup>2</sup>




Light Pole type 1		Light Pole type 2	
base diameter	base diameter	base diameter	base diameter
193mm [2 <sup>7</sup> / <sub>32</sub> " ]	152mm [6"]	193mm [2 <sup>7</sup> / <sub>32</sub> " ]	152mm [6"]
top diameter	top diameter	top diameter	top diameter
193mm [2 <sup>7</sup> / <sub>32</sub> " ]	60mm [2 <sup>3</sup> / <sub>8</sub> " ]	152mm [6"]	60mm [2 <sup>3</sup> / <sub>8</sub> " ]

H <sub>max</sub> [m]	H <sub>max</sub> [m]	H <sub>max</sub> [m]	H <sub>max</sub> [m]
13	13	13	13
13	13	13	13
11	13	13	13
10	13	12	13
9	13	11	13
8	11	9	12

Urban lighting : Example 2

Light pole with single arm, coat of arms of municipalities and street lighting.  
MAXIMUM AREA (OVER LIGHT POLE) EXPOSED AT WIND ACTIONS = 0,40 m<sup>2</sup>

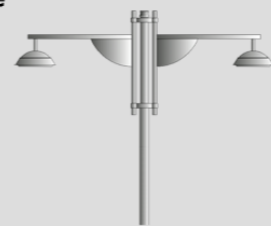


Light Pole type 1		Light Pole type 2	
base diameter	base diameter	base diameter	base diameter
193mm [2 <sup>7</sup> / <sub>32</sub> " ]	152mm [6"]	193mm [2 <sup>7</sup> / <sub>32</sub> " ]	152mm [6"]
top diameter	top diameter	top diameter	top diameter
193mm [2 <sup>7</sup> / <sub>32</sub> " ]	60mm [2 <sup>3</sup> / <sub>8</sub> " ]	152mm [6"]	60mm [2 <sup>3</sup> / <sub>8</sub> " ]

H <sub>max</sub> [m]	H <sub>max</sub> [m]	H <sub>max</sub> [m]	H <sub>max</sub> [m]
13	13	13	13
12	13	13	13
10	13	12	13
9	12	11	12
8	11	9	11
6	9	7	10

Urban lighting : Example 3

Light pole with double arms, coat of arms of municipalities and street lighting.  
MAXIMUM AREA (OVER LIGHT POLE) EXPOSED AT WIND ACTIONS = 0,80 m<sup>2</sup>




Light Pole type 1		Light Pole type 2	
base diameter	base diameter	base diameter	base diameter
193mm [2 <sup>7</sup> / <sub>32</sub> " ]	152mm [6"]	193mm [2 <sup>7</sup> / <sub>32</sub> " ]	152mm [6"]
top diameter	top diameter	top diameter	top diameter
193mm [2 <sup>7</sup> / <sub>32</sub> " ]	60mm [2 <sup>3</sup> / <sub>8</sub> " ]	152mm [6"]	60mm [2 <sup>3</sup> / <sub>8</sub> " ]

H <sub>max</sub> [m]	H <sub>max</sub> [m]	H <sub>max</sub> [m]	H <sub>max</sub> [m]
11	12	12	12
9	11	10	11
7	9	8	9
6	8	7	8
5	6	5	6
-	4	-	4

Urban lighting : Example 4

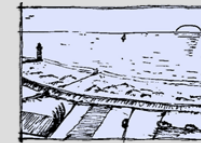
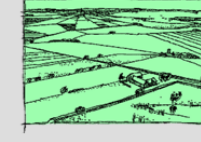
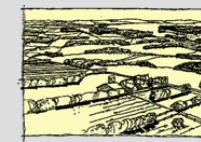
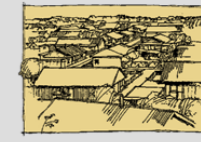
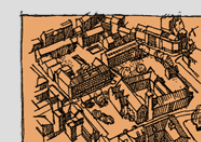
Light pole with single arm and street lighting and PV module (titl angle 45°, measures 120x100 cm)  
MAXIMUM AREA (OVER LIGHT POLE) EXPOSED AT WIND ACTIONS = 1,00 m<sup>2</sup>



Light Pole type 1		Light Pole type 2	
base diameter	base diameter	base diameter	base diameter
193mm [2 <sup>7</sup> / <sub>32</sub> " ]	152mm [6"]	193mm [2 <sup>7</sup> / <sub>32</sub> " ]	152mm [6"]
top diameter	top diameter	top diameter	top diameter
193mm [2 <sup>7</sup> / <sub>32</sub> " ]	60mm [2 <sup>3</sup> / <sub>8</sub> " ]	152mm [6"]	60mm [2 <sup>3</sup> / <sub>8</sub> " ]

H <sub>max</sub> [m]	H <sub>max</sub> [m]	H <sub>max</sub> [m]	H <sub>max</sub> [m]
9	11	10	11
6	8	7	9
5	6	5	6
-	4	4	4
-	-	-	-
-	-	-	-

**ATLANTECH LUX HEAVY  
CAPACITY TABLES**  
(max. heights above ground)

Fundamental value of the basic wind velocity [V <sub>b,0</sub> ]	Terrain Categories		
	mph	km/h	m/s
<b>Category 0</b> Sea coastal area 	56	90	25
	60	97	27
	65	104	29
	69	112	31
	74	119	33
	81	130	36
<b>Category I</b> Flat area with negligible vegetation 	56	90	25
	60	97	27
	65	104	29
	69	112	31
	74	119	33
	81	130	36
<b>Category II</b> Area with low vegetation and isolated obstacles 	56	90	25
	60	97	27
	65	104	29
	69	112	31
	74	119	33
	81	130	36
<b>Category III</b> Suburban Area 	56	90	25
	60	97	27
	65	104	29
	69	112	31
	74	119	33
	81	130	36
<b>Category IV</b> Urban Area 	56	90	25
	60	97	27
	65	104	29
	69	112	31
	74	119	33
	81	130	36

Capacity values indicated refer to the current regulations and to the stress tests carried out on soils with cohesive/ granular properties and shallow water table.