

Resisto 1200 IP66 2800lm 830

Item No: 0010208



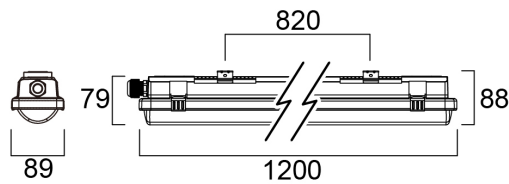
PRO



Resisto, integrated LED weatherproof luminaire, with UV stabilized flat diffuser designed to achieve uniform lit appearance, optimise light output and to reduce glare. 301 stainless steel diffuser clips and fixing brackets for surface mounting. Polycarbonate housing and diffuser - no yellow discolouration over time. 2800lm; 20W; 140lm/W; 3000K; SDCM<5; non dimmable; CRI80; IP66; IK08; Class I; 69,000hrs (L80B20) lifespan; 1200mm x 89mm x 88mm; D-mark.

Technical Assets

Dimensions (mm)



Photometrics

Distance [m]	Cone diameter [m]	Half beam angle [°]	Beam diameter [m]	Beam area [m²]	Illuminance [lx]
0.5	1.30	1.38	1.30	1.08	3881
1.0	2.61	2.75	2.61	4.32	920
1.5	3.91	4.13	3.91	10.44	409
2.0	5.21	5.51	5.21	16.96	280
2.5	6.52	6.88	6.52	24.48	187
3.0	7.82	8.26	7.82	32.00	142
3.5	9.12	9.64	9.12	39.52	110
4.0	10.43	11.02	10.43	47.04	89
4.5	11.73	12.40	11.73	54.56	74
5.0	13.03	13.78	13.03	62.08	64
5.5	14.33	15.16	14.33	69.60	56
6.0	15.63	16.54	15.63	77.12	50
6.5	16.93	17.92	16.93	84.64	45
7.0	18.23	19.30	18.23	92.16	41
7.5	19.53	20.68	19.53	99.68	37
8.0	20.83	22.06	20.83	107.20	34
8.5	22.13	23.44	22.13	114.72	31
9.0	23.43	24.82	23.43	122.24	29
9.5	24.73	26.20	24.73	129.76	27
10.0	26.03	27.58	26.03	137.28	25
10.5	27.33	28.96	27.33	144.80	23
11.0	28.63	30.34	28.63	152.32	22
11.5	29.93	31.72	29.93	159.84	20
12.0	31.23	33.10	31.23	167.36	19
12.5	32.53	34.48	32.53	174.88	18
13.0	33.83	35.86	33.83	182.40	17
13.5	35.13	37.24	35.13	189.92	16
14.0	36.43	38.62	36.43	197.44	15
14.5	37.73	40.00	37.73	204.96	14
15.0	39.03	41.38	39.03	212.48	13
15.5	40.33	42.76	40.33	220.00	12
16.0	41.63	44.14	41.63	227.52	12
16.5	42.93	45.52	42.93	235.04	11
17.0	44.23	46.90	44.23	242.56	11
17.5	45.53	48.28	45.53	250.08	10
18.0	46.83	49.66	46.83	257.60	10
18.5	48.13	51.04	48.13	265.12	9
19.0	49.43	52.42	49.43	272.64	9
19.5	50.73	53.80	50.73	280.16	8
20.0	52.03	55.18	52.03	287.68	8
20.5	53.33	56.56	53.33	295.20	8
21.0	54.63	57.94	54.63	302.72	7
21.5	55.93	59.32	55.93	310.24	7
22.0	57.23	60.70	57.23	317.76	7
22.5	58.53	62.08	58.53	325.28	6
23.0	59.83	63.46	59.83	332.80	6
23.5	61.13	64.84	61.13	340.32	6
24.0	62.43	66.22	62.43	347.84	5
24.5	63.73	67.60	63.73	355.36	5
25.0	65.03	68.98	65.03	362.88	5
25.5	66.33	70.36	66.33	370.40	4
26.0	67.63	71.74	67.63	377.92	4
26.5	68.93	73.12	68.93	385.44	4
27.0	70.23	74.50	70.23	392.96	4
27.5	71.53	75.88	71.53	400.48	3
28.0	72.83	77.26	72.83	408.00	3
28.5	74.13	78.64	74.13	415.52	3
29.0	75.43	80.02	75.43	423.04	3
29.5	76.73	81.40	76.73	430.56	2
30.0	78.03	82.78	78.03	438.08	2
30.5	79.33	84.16	79.33	445.60	2
31.0	80.63	85.54	80.63	453.12	2
31.5	81.93	86.92	81.93	460.64	2
32.0	83.23	88.30	83.23	468.16	1
32.5	84.53	89.68	84.53	475.68	1
33.0	85.83	91.06	85.83	483.20	1
33.5	87.13	92.44	87.13	490.72	1
34.0	88.43	93.82	88.43	498.24	1
34.5	89.73	95.20	89.73	505.76	1
35.0	91.03	96.58	91.03	513.28	1
35.5	92.33	97.96	92.33	520.80	1
36.0	93.63	99.34	93.63	528.32	1
36.5	94.93	100.72	94.93	535.84	1
37.0	96.23	102.10	96.23	543.36	1
37.5	97.53	103.48	97.53	550.88	1
38.0	98.83	104.86	98.83	558.40	1
38.5	100.13	106.24	100.13	565.92	1
39.0	101.43	107.62	101.43	573.44	1
39.5	102.73	109.00	102.73	580.96	1
40.0	104.03	110.38	104.03	588.48	1
40.5	105.33	111.76	105.33	596.00	1
41.0	106.63	113.14	106.63	603.52	1
41.5	107.93	114.52	107.93	611.04	1
42.0	109.23	115.90	109.23	618.56	1
42.5	110.53	117.28	110.53	626.08	1
43.0	111.83	118.66	111.83	633.60	1
43.5	113.13	120.04	113.13	641.12	1
44.0	114.43	121.42	114.43	648.64	1
44.5	115.73	122.80	115.73	656.16	1
45.0	117.03	124.18	117.03	663.68	1
45.5	118.33	125.56	118.33	671.20	1
46.0	119.63	126.94	119.63	678.72	1
46.5	120.93	128.32	120.93	686.24	1
47.0	122.23	129.70	122.23	693.76	1
47.5	123.53	131.08	123.53	701.28	1
48.0	124.83	132.46	124.83	708.80	1
48.5	126.13	133.84	126.13	716.32	1
49.0	127.43	135.22	127.43	723.84	1
49.5	128.73	136.60	128.73	731.36	1
50.0	130.03	137.98	130.03	738.88	1
50.5	131.33	139.36	131.33	746.40	1
51.0	132.63	140.74	132.63	753.92	1
51.5	133.93	142.12	133.93	761.44	1
52.0	135.23	143.50	135.23	768.96	1
52.5	136.53	144.88	136.53	776.48	1
53.0	137.83	146.26	137.83	784.00	1
53.5	139.13	147.64	139.13	791.52	1
54.0	140.43	149.02	140.43	799.04	1
54.5	141.73	150.40	141.73	806.56	1
55.0	143.03	151.78	143.03	814.08	1
55.5	144.33	153.16	144.33	821.60	1
56.0	145.63	154.54	145.63	829.12	1
56.5	146.93	155.92	146.93	836.64	1
57.0	148.23	157.30	148.23	844.16	1
57.5	149.53	158.68	149.53	851.68	1
58.0	150.83	160.06	150.83	859.20	1
58.5	152.13	161.44	152.13	866.72	1
59.0	153.43	162.82	153.43	874.24	1
59.5	154.73	164.20	154.73	881.76	1
60.0	156.03	165.58	156.03	889.28	1
60.5	157.33	166.96	157.33	896.80	1
61.0	158.63	168.34	158.63	904.32	1
61.5	159.93	169.72	159.93	911.84	1
62.0	161.23	171.10	161.23	919.36	1
62.5	162.53	172.48	162.53	926.88	1
63.0	163.83	173.86	163.83	934.40	1
63.5	165.13	175.24	165.13	941.92	1
64.0	166.43	176.62	166.43	949.44	1
64.5	167.73	178.00	167.73	956.96	1
65.0	169.03	179.38	169.03	964.48	1
65.5	170.33	180.76	170.33	972.00	1
66.0	171.63	182.14	171.63	979.52	1
66.5	172.93	183.52	172.93	987.04	1
67.0	174.23	184.90	174.23	994.56	1
67.5	175.53	186.28	175.53	1002.08	1
68.0	176.83	187.66	176.83	1009.60	1
68.5	178.13	189.04	178.13	1017.12	1
69.0	179.43	190.42	179.43	1024.64	1
69.5	180.73	191.80	180.73	1032.16	1
70.0	182.03	193.18	182.03	1039.68	1
70.5	183.33	194.56	183.33	1047.20	1
71.0	184.63	195.94	184.63	1054.72	1
71.5	185.93	197.32	185.93	1062.24	1
72.0	187.23	198.70	187.23	1069.76	1
72.5	188.53	200.08	188.53	1077.28	1
73.0	189.83	201.46	189.83	1084.80	1
73.5	191.13	202.84	191.13	1092.32	1
74.0	192.43	204.22	192.43	1100.84	1
74.5	193.73	205.60	193.73	1108.36	1
75.0	195.03	206.98	195.03	1115.88	1
75.5	196.33	208.36	196.33	1123.40	1
76.0	197.63	209.74	197.63	1130.92	1
76.5	198.93	211.12	198.93	1138.44	1
77.0	200.23	212.50	200.23	1145.96	1
77.5	201.53	213.88	201.53	1153.48	1
78.0	202.83	215.26	202.83	1161.00	1
78.5	204.13	216.64	204.13	1168.52	1
79.0	205.43	218.02	205.43	1176.04	1
79.5	206.73	219.40	206.73	1183.56	1
80.0	208.03	220.78	208.03	1191.08	1
80.5	209.33	222.16	209.33	1198.60	1
81.0	210.63	223.54	210.63	1206.12	1
81.5	211.93	224.92	211.93	1213.64	1
82.0	213.23	226.30	213.23	1221.16	1
82.5	214.53	227.68	214.53	1228.68	1
83.0	215.83	229.06	215.83	1236.20	1
83.5	217.13	230.44	217.13	1243.72	1
84.0	218.43	231.82	218.43	1251.24	1
84.5	219.73	233.20	219.73	1258.76	1
85.0	221.03	234.58	221.03	1266.28	1
85.5	222.33	235.96	222.33	1273.80	1
86.0	223.63	237.34	223.63	1281.32	1
86.5	224.93	238.72	224.93	1288.84	1
87.0	226.23	240.10	226.23	1296.36	1
87.5	227.53	241.48	227.53	1303.88	1
88.0	228.83	242.86	228.83	1311.40	1
88.5	230.13	244.24	230.13	1318.92	1
89.0	231.43	245.62	231.43	1326.44	1
89.5	232.73	247.00	232.73	1333.96	1
90.0	234.03	248.38	234.03	1341.48	1
90.5	235.33	249.76	235.33	1349.00	1
91.0	236.63	251.14	236.63	1356.52	1
91.5	237.93	252.52	237.93	1364.04	1
92.0	239.23	253.90	239.23	1371.56	1
92.5	240.53	255.28	240.53	1379.08	1
93.0	241.83	256.66	241.83	1386.60	1
93.5	243.13	258.04	243.13	1394.12	1
94.0	244.43	259.42	244.43	1401.64	1
94.5	245.73	260.80	245.73	1409.16	1
95.0	247.03	262.18	247.03	1416.68	1
95.5	248.33	263.56	248.33	1424.20	1
96.0	249.63	264.94	249.63	1431.72	1
96.5	250.93	266.32	250.93	1439.24	1
97.0	252.23	267.70	252.23	1446.76	1
97.5	253.53	269.08	253.53	1454.28	1
98.0	254.83	270.46	254.83	1461.80	1
98.5	256.13	271.84	256.13	1469.32	1
99.0	257.43	273.22	257.43	1476.84	1
99.5	258.73				

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General data

Product name	Resisto 1200 IP66 2800lm 830
Technology	LED
Cap/Base	N/A
Housing	PC Polycarbonate
Mount	Ceiling surface mounting, Suspended, Wall surface mounted
General application	Logistics & Industry
Operating temperature range (°C)	-20°C...+40°C
Performance ambient temperature Tq (°C)	25
ETIM Class	EC002892
E-number FI	4357040
Warranty	5 years

Optical data

Useful luminous flux (Φuse)	2800
Fixture luminous flux (lm)	2800
Luminaire efficacy (lm/W)	140
Correlated colour temperature (k)	3000
CRI (Ra)	80
Colour Consistency (SDCM)	5
Colour Variation Initial (SDCM)	SDCM5
Beam Angle (°)	110
Distribution type	Diffuse
Glare control	< 22
Photobiological Risk Group	RG1

Electrical data

Total power consumption (W)	20
Primary Supply/Product voltage - min (V)	220
Primary Supply/Product voltage - max (V)	240
Lamp power factor	1
THD (at 230 V, 50 Hz, full load, at 100% dimming level) ≤ xx.x %	20
Electrical protection	Class I
Control gear type	LED driver constant current
No. Of switching cycles before premature failures	>50000
Dimmable	No
Dimming method	N/A
Drive current (mA)	350
Inrush Current (A)	6.1
Inrush Duration (µs)	18
Nominal Frequency (Hz)	50/60Hz
LED Flickering Rate	Ultra low (5% or less)
Max. products per 10A C Breaker	60
Max. products per 13A C Breaker	79
Max. products per 16A C Breaker	97
Max. products per 20A C Breaker	121
Max. products per 10A B Breaker	60
Max. products per 13A B Breaker	79
Max. products per 16A B Breaker	97
Max. products per 20A B Breaker	121
Connectable conductor cross section - Max (mm²)	2.5

Lifetime data

Lifespan L70 B50	100000
Lifespan L80 B20	69000
Lifespan L90 B10	31000

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Physical data

Housing colour	Grey
IP rating	IP66
IK rating	IK08
Diffuser finish	Frosted
Diffuser material	PC Polycarbonate
Nominal Product Length (mm)	1200
Nominal Product Width (mm)	87
Nominal Product Height (mm)	80
Weight (kg)	1.5

Packaging

Product EAN number	5410288102085
Packaging single length / height (cm)	120.5
Packaging single width (cm)	10.0
Packaging single depth (cm)	8.5
DUN14 (inner)	05410288102085
Units per outer package	1
Packaging outer length / height (cm)	120.5
Packaging outer width (cm)	10.0
Packaging outer depth (cm)	8.5

Safety data

Glow Wire Test (°C)	850
Optimal operating condition (°C)	-20-40