

Photometric test report

Family Apollon® 21	Order number: 51MQ14WD2414 EAN: 4058352959800	LP number 59548_34
Table of values for luminous intensities		Maximum luminous intensity
		sITeco

C-planes γ	0° 180°	15°	30°	45°	60°	75°	90° 270°	Phi-zone	Total Phi-zone
		165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°			
Luminous intensity in cd/klm								Luminous flux in lm/klm	
0°	447.7	447.7	447.7	447.7	447.7	447.7	447.7	2.7	2.7
5°	445.6	445.7	445.8	445.8	445.8	445.8	445.8	21.3	24.0
10°	440.0	440.1	440.1	440.3	440.4	440.4	440.5	41.9	65.9
15°	430.7	430.8	431.0	431.2	431.3	431.5	431.7	61.2	127.0
20°	418.1	418.2	418.4	418.7	418.9	419.3	419.6	78.5	205.5
25°	401.8	401.9	402.1	402.3	402.5	403.0	403.5	93.2	298.8
30°	381.0	381.1	381.1	381.3	381.4	381.8	382.3	104.5	403.3
35°	352.6	352.4	352.2	351.8	351.4	351.6	351.9	110.7	513.9
40°	309.7	308.8	307.7	306.1	304.4	304.3	304.0	107.9	621.9
45°	246.9	244.2	241.6	240.8	240.1	238.2	236.2	93.4	715.3
50°	186.5	177.8	169.0	175.7	182.4	172.9	163.4	73.7	789.0
55°	139.5	126.8	114.1	127.5	140.9	125.4	110.0	56.8	845.8
60°	104.5	91.4	78.4	93.2	107.9	92.9	77.8	43.9	889.7
65°	81.4	68.9	56.4	69.2	82.0	70.6	59.2	34.6	924.3
70°	64.4	55.9	47.3	54.3	61.2	55.8	50.4	28.5	952.8
75°	46.6	44.8	42.9	42.8	42.8	42.3	41.8	22.9	975.7
80°	29.3	29.6	30.0	29.8	29.7	28.4	27.2	15.8	991.5
85°	15.1	13.9	12.6	14.5	16.3	14.7	13.0	7.8	999.4
90°	1.7	1.5	1.2	1.2	1.1	0.8	0.5	0.6	1000.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0

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UGR-Table	Standard room	siteco	
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Reflection factor of ceiling	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
Reflection factor of walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
Reflection factor of floor	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions	View crosswise (C0)					View endwise (C90)					
x	y										
2H	2H	15.7	17.2	16.0	17.5	17.9	15.7	17.3	16.1	17.6	17.9
	3H	16.7	18.1	17.1	18.4	18.8	16.6	18.0	17.0	18.3	18.7
	4H	17.3	18.6	17.7	19.0	19.3	17.1	18.4	17.5	18.7	19.1
	6H	17.8	19.0	18.2	19.4	19.8	17.5	18.8	18.0	19.1	19.5
	8H	18.0	19.2	18.5	19.5	19.9	17.8	18.9	18.2	19.3	19.7
	12H	18.2	19.2	18.6	19.6	20.1	17.9	18.9	18.3	19.3	19.8
4H	2H	16.0	17.4	16.4	17.7	18.1	16.1	17.4	16.5	17.8	18.2
	3H	17.3	18.4	17.7	18.7	19.2	17.3	18.4	17.7	18.8	19.2
	4H	18.0	19.0	18.5	19.4	19.8	18.0	18.9	18.4	19.4	19.8
	6H	18.7	19.6	19.2	20.0	20.4	18.6	19.4	19.0	19.9	20.3
	8H	19.0	19.7	19.4	20.2	20.7	18.8	19.6	19.3	20.0	20.5
	12H	19.2	19.9	19.7	20.3	20.8	19.0	19.7	19.5	20.2	20.7
8H	4H	18.3	19.1	18.8	19.6	20.0	18.3	19.0	18.7	19.5	20.0
	6H	19.2	19.8	19.7	20.3	20.8	19.0	19.7	19.5	20.2	20.7
	8H	19.5	20.1	20.0	20.6	21.1	19.4	20.0	19.9	20.4	21.0
	12H	19.8	20.3	20.3	20.8	21.3	19.7	20.2	20.2	20.7	21.2
12H	4H	18.4	19.1	18.9	19.5	20.0	18.3	19.0	18.8	19.5	20.0
	6H	19.3	19.8	19.8	20.3	20.8	19.2	19.7	19.7	20.2	20.7
	8H	19.7	20.1	20.2	20.6	21.2	19.6	20.0	20.1	20.5	21.1

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1201 B = 264
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C-planes	γ	Luminance in cd/m ²							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		4625.7	4575.2	4525.9	4510.7	4498.7	4462.6	4424.2	
50°		3843.2	3663.4	3483.5	3621.1	3758.7	3562.8	3367.0	
55°		3221.0	2927.5	2634.1	2944.0	3253.9	2896.6	2539.4	
60°		2767.3	2422.8	2078.3	2468.8	2859.4	2460.7	2061.9	
65°		2552.5	2160.3	1768.1	2169.7	2571.2	2213.0	1854.8	
70°		2494.5	2164.0	1833.5	2102.1	2370.6	2161.9	1953.2	
75°		2383.9	2291.1	2193.3	2192.2	2190.8	2164.2	2137.6	
80°		2235.9	2260.7	2285.6	2275.7	2265.8	2165.6	2073.3	
85°		2300.0	2110.9	1922.0	2202.4	2482.9	2229.5	1976.1	

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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

