

Photometric test report

Family
Apollon® 21

Order number: 51MQ11HM2L55
EAN: 4069025336194

LP number
59879_1

Version recessed luminaire for lay-in mounting, square M625, wide distribution, UGR≤19 (L65≤3000cd/m²), adjustable color temperature: 3000 K | 4000 K

Lamps LED 4000 K | CRI ≥ 90

Controlgear ECG Multilumen

Setting factory setting: DIP-Step=9, colour temperature 4000K

Rated values Net luminous flux = 5040 lm
Power consumption = 31.0 W
Luminous efficacy = 162.6 lm/W

serial
documentation
30.10.2025

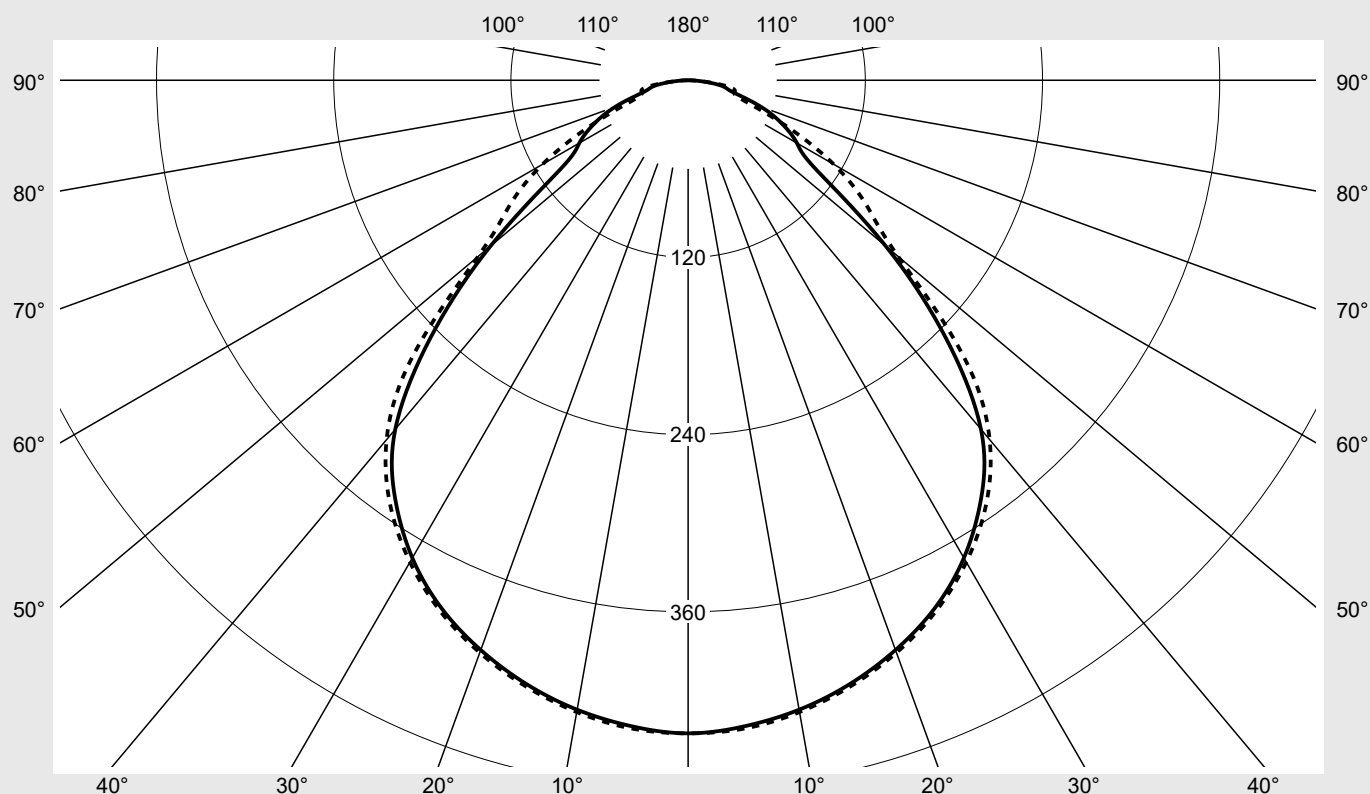
siteco

Luminous intensity in cd/klm

C180-0

C270-90

Imax: 442 cd/klm



Classifications

DIN 5040 A 5 0
CIE N1=59 N2=87 N3=97
N4=100 N5=100

Luminaire light output ratios

η_{LB} 100.0%
 ϕ_u 100.0%
 ϕ_o 0.0%

Measurement conditions

DIN EN 13032 and DIN 5032

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Table of values for luminous intensities		Maximum luminous intensity
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C- planes	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm							Luminous flux in lm/klm	
0°	442.3	442.3	442.3	442.3	442.3	442.3	442.3	2.6	2.6
5°	439.1	439.5	440.0	440.2	440.5	440.5	440.7	21.0	23.7
10°	432.8	433.3	433.7	434.2	434.3	434.4	434.5	41.3	65.0
15°	423.3	423.6	424.0	424.3	424.5	424.7	424.9	60.2	125.2
20°	410.6	411.0	411.4	411.7	412.0	412.2	412.5	77.2	202.3
25°	394.7	395.1	395.4	395.8	396.1	396.5	396.9	91.7	294.0
30°	373.5	374.2	375.0	375.6	376.0	376.4	376.8	102.9	396.9
35°	345.9	347.0	348.2	349.1	350.1	350.8	351.6	109.7	506.6
40°	308.5	310.2	312.0	313.6	315.1	316.3	317.7	110.4	617.0
45°	246.9	250.2	253.9	256.8	259.4	261.1	263.2	99.3	716.3
50°	174.7	176.6	178.6	180.5	182.3	184.0	185.7	75.7	792.0
55°	106.6	116.0	127.0	134.7	140.6	143.2	147.5	59.0	851.0
60°	85.1	89.8	94.5	99.3	104.1	109.0	113.8	47.2	898.2
65°	70.6	72.1	73.5	74.9	74.3	73.7	73.1	36.5	934.7
70°	52.4	53.4	54.3	55.3	50.3	45.2	40.1	26.2	960.8
75°	31.6	34.9	38.1	41.4	38.4	35.4	32.4	19.4	980.2
80°	24.2	24.2	24.3	24.3	26.2	28.0	29.8	13.9	994.1
85°	10.7	10.3	9.9	9.6	10.4	11.2	12.1	5.7	999.8
90°	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.2	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	
Reflection factor of ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5
Reflection factor of walls		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3
Reflection factor of floor		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	16.1	17.7	16.5	18.0	18.3	16.7	18.3	17.1	18.6
	3H	17.0	18.4	17.4	18.8	19.1	17.4	18.8	17.8	19.1
	4H	17.4	18.7	17.8	19.0	19.4	17.6	18.9	18.0	19.3
	6H	17.7	18.9	18.1	19.3	19.7	18.1	19.3	18.5	19.6
	8H	17.9	19.0	18.3	19.4	19.8	18.3	19.4	18.7	19.8
	12H	18.0	19.0	18.4	19.4	19.8	18.4	19.5	18.9	19.9
4H	2H	16.6	17.9	17.0	18.2	18.6	17.1	18.4	17.5	18.8
	3H	17.7	18.8	18.1	19.2	19.6	17.9	19.0	18.4	19.4
	4H	18.2	19.2	18.6	19.6	20.0	18.4	19.3	18.8	19.7
	6H	18.6	19.5	19.1	19.9	20.4	18.9	19.8	19.4	20.2
	8H	18.9	19.6	19.3	20.1	20.5	19.2	20.0	19.7	20.4
	12H	19.0	19.7	19.5	20.1	20.6	19.4	20.1	19.9	20.5
8H	4H	18.5	19.2	18.9	19.7	20.1	18.6	19.4	19.1	19.8
	6H	19.0	19.7	19.5	20.2	20.7	19.3	20.0	19.8	20.4
	8H	19.3	19.9	19.8	20.4	20.9	19.7	20.2	20.2	20.7
	12H	19.5	20.0	20.0	20.5	21.0	19.9	20.4	20.4	20.9
12H	4H	18.5	19.2	19.0	19.6	20.1	18.7	19.3	19.1	19.8
	6H	19.1	19.7	19.6	20.2	20.7	19.4	19.9	19.9	20.4
	8H	19.4	19.9	19.9	20.4	20.9	19.8	20.2	20.3	20.7

Luminance table		Max. for $\gamma \geq 65^\circ$		Photometric dimensions in mm:		L = 577 B = 577	
C-planes	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
γ	Luminance in cd/m²						
45°	5285.5	5356.5	5436.0	5498.5	5552.6	5589.9	5635.5
50°	4113.8	4159.2	4206.0	4250.2	4292.9	4333.1	4374.5
55°	2814.4	3060.9	3352.2	3554.2	3711.4	3779.3	3891.9
60°	2575.4	2719.1	2861.8	3006.5	3152.3	3300.0	3446.8
65°	2530.1	2581.6	2633.1	2684.7	2662.4	2640.0	2617.7
70°	2319.4	2362.3	2405.1	2448.0	2224.3	2000.6	1776.9
75°	1849.2	2039.0	2228.9	2418.8	2243.7	2068.7	1893.7
80°	2107.1	2111.2	2115.4	2119.5	2280.4	2441.3	2602.1
85°	1855.6	1791.5	1727.4	1663.5	1806.8	1950.2	2093.7

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Luminance values in cd/m²

γ 65°

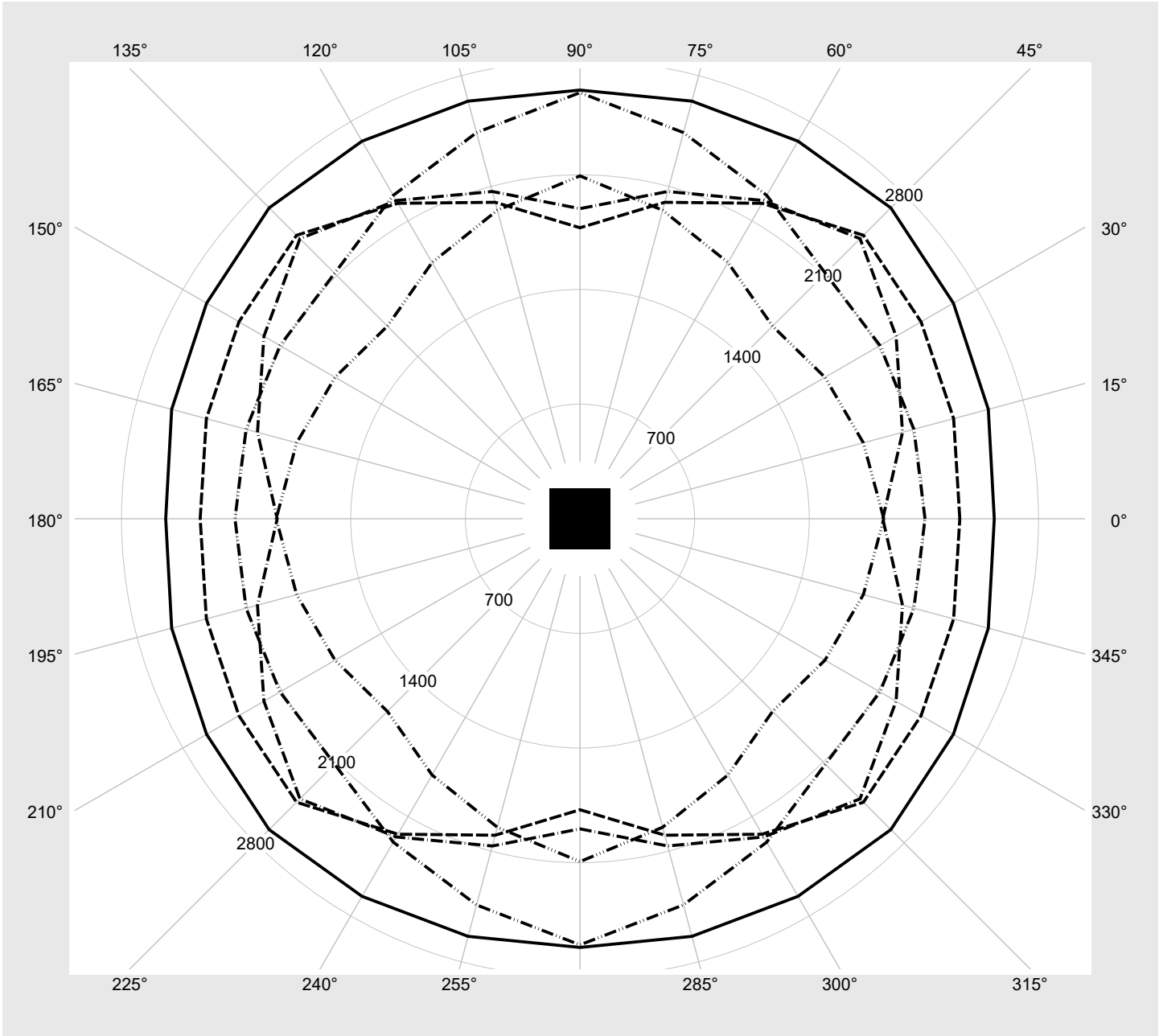
γ 70°

γ 75°

γ 80°

γ 85°

siteco



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Multilumen Table	environmental temperature: 25°C	siteco

DIP-Step	Switch Setting				Luminous flux [lm]	Power consumption [W]
	1	2	3	4		
15	ON	ON	ON	ON	6370	40.4
14	OFF	ON	ON	ON	6120	38.4
13	ON	OFF	ON	ON	5830	36.4
12	OFF	OFF	ON	ON	5480	34.0
10	OFF	ON	OFF	ON	5190	32.0
9	ON	OFF	OFF	ON	5040	31.0
8	OFF	OFF	OFF	ON	4740	29.0
6	OFF	ON	ON	OFF	4440	27.0
5	ON	OFF	ON	OFF	4110	25.0
4	OFF	OFF	ON	OFF	3790	23.0
2	OFF	ON	OFF	OFF	3470	21.0
1	ON	OFF	OFF	OFF	3140	19.0
0	OFF	OFF	OFF	OFF	2820	17.0