

Photometric test report

Family
Apollon® 21

Order number: 51MQ11WD2W55
EAN: 4069025336293

LP number
59879_5

serial
documentation
30.10.2025

siteco

Version recessed luminaire for lay-in mounting, square M625, wide distribution, UGR≤19 (L65≤3000cd/m²), tunable white

Lamps LED 2700 K ... 6500 K | CRI ≥ 90

Controlgear ECG-DALI

Setting individual position: DIP-Step=8, colour temperature 2700K

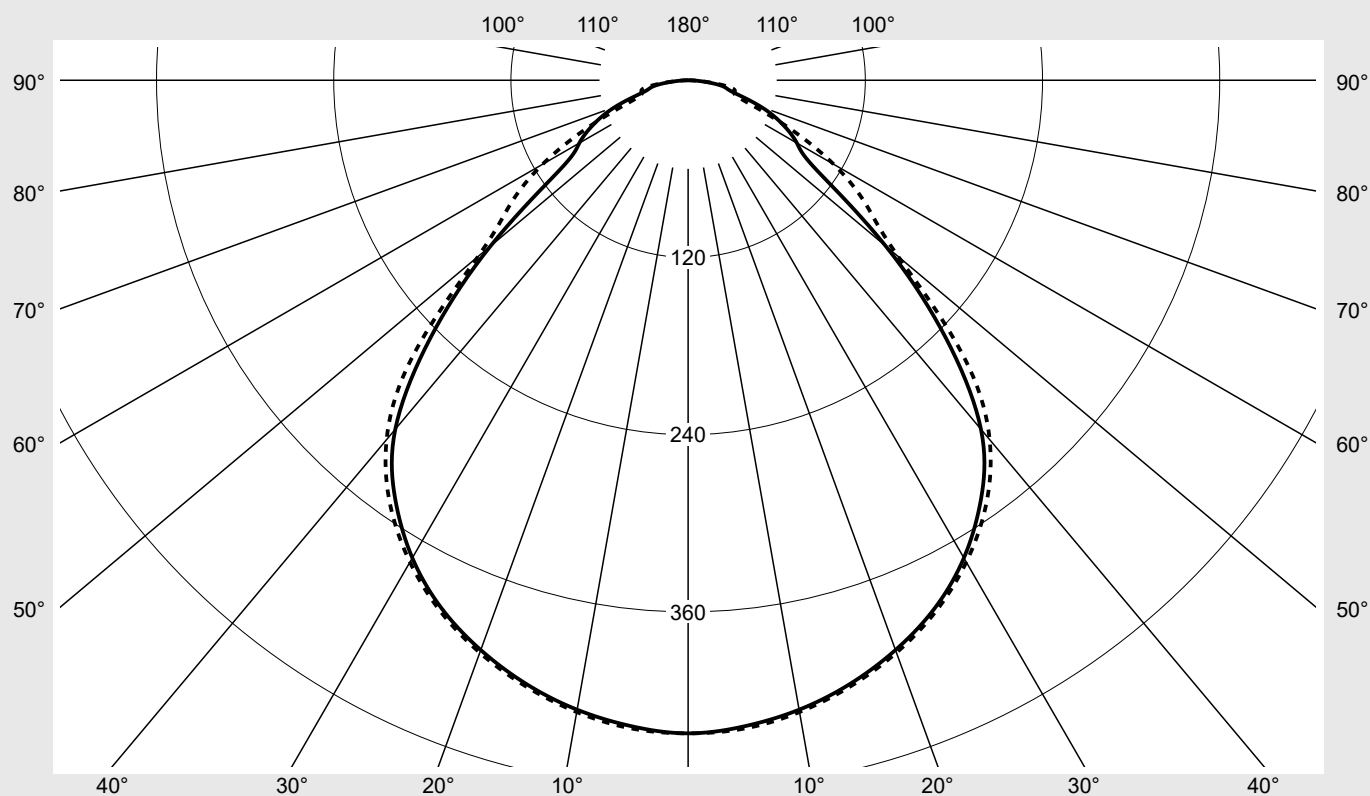
Rated values at 2700 K
Net luminous flux = 4700 lm
Power consumption = 30.3 W
Luminous efficacy = 155.1 lm/W

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	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	15.9	17.4	16.2	17.7	18.1	16.5	18.1	16.9	18.4	18.7
	3H	16.8	18.2	17.2	18.5	18.9	17.1	18.5	17.5	18.9	19.2
	4H	17.1	18.4	17.5	18.8	19.2	17.4	18.7	17.8	19.1	19.4
	6H	17.5	18.7	17.9	19.0	19.4	17.8	19.0	18.2	19.4	19.8
	8H	17.6	18.8	18.1	19.1	19.5	18.1	19.2	18.5	19.6	20.0
	12H	17.7	18.8	18.2	19.2	19.6	18.2	19.2	18.6	19.6	20.0
4H	2H	16.4	17.7	16.7	18.0	18.4	16.9	18.2	17.3	18.5	18.9
	3H	17.5	18.6	17.9	19.0	19.4	17.7	18.8	18.1	19.2	19.6
	4H	17.9	18.9	18.4	19.3	19.8	18.1	19.1	18.6	19.5	19.9
	6H	18.4	19.3	18.9	19.7	20.1	18.7	19.5	19.2	20.0	20.4
	8H	18.6	19.4	19.1	19.8	20.3	19.0	19.8	19.4	20.2	20.7
	12H	18.8	19.4	19.2	19.9	20.4	19.2	19.8	19.6	20.3	20.8
8H	4H	18.2	19.0	18.7	19.4	19.9	18.4	19.1	18.8	19.6	20.1
	6H	18.8	19.4	19.3	19.9	20.4	19.1	19.7	19.6	20.2	20.7
	8H	19.1	19.6	19.6	20.1	20.6	19.4	20.0	19.9	20.5	21.0
	12H	19.3	19.7	19.8	20.2	20.8	19.7	20.1	20.2	20.6	21.2
12H	4H	18.3	18.9	18.7	19.4	19.9	18.4	19.1	18.9	19.6	20.0
	6H	18.9	19.4	19.4	19.9	20.4	19.2	19.7	19.7	20.2	20.7
	8H	19.2	19.6	19.7	20.1	20.7	19.5	20.0	20.0	20.5	21.0

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°	4928.9	4995.2	5069.3	5127.6	5178.1	5212.8	5255.3
50°	3836.3	3878.7	3922.3	3963.4	4003.3	4040.8	4079.4
55°	2624.5	2854.5	3126.1	3314.4	3461.0	3524.4	3629.3
60°	2401.7	2535.7	2668.7	2803.7	2939.6	3077.4	3214.3
65°	2359.4	2407.4	2455.5	2503.6	2482.7	2461.9	2441.1
70°	2163.0	2202.9	2242.9	2282.8	2074.2	1865.6	1657.0
75°	1724.4	1901.5	2078.5	2255.6	2092.4	1929.2	1765.9
80°	1965.0	1968.8	1972.7	1976.5	2126.6	2276.6	2426.6
85°	1730.4	1670.6	1610.8	1551.2	1684.9	1818.7	1952.5

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Luminance values in cd/m²

γ 65°

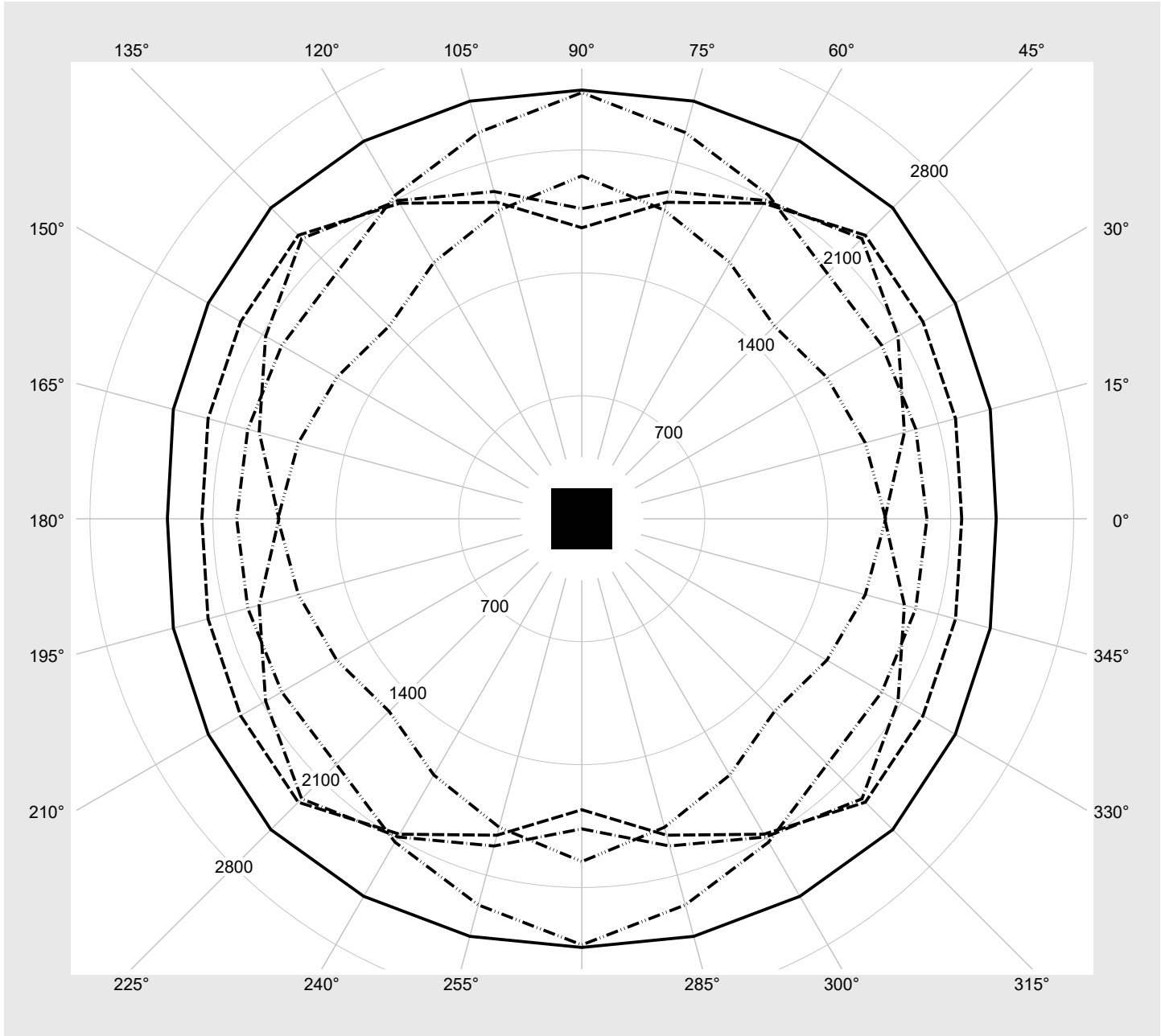
γ 70°

γ 75°

γ 80°

γ 85°

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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		
0	OFF	OFF	OFF	OFF	6070	40.4
1	ON	OFF	OFF	OFF	5850	38.1
2	OFF	ON	OFF	OFF	5560	36.1
4	OFF	OFF	ON	OFF	5270	34.1
7	ON	ON	ON	OFF	5000	32.3
8	OFF	OFF	OFF	ON	4700	30.3
10	OFF	ON	OFF	ON	4400	28.3
12	OFF	OFF	ON	ON	4180	26.8
13	ON	OFF	ON	ON	3880	24.8
14	OFF	ON	ON	ON	3570	22.8