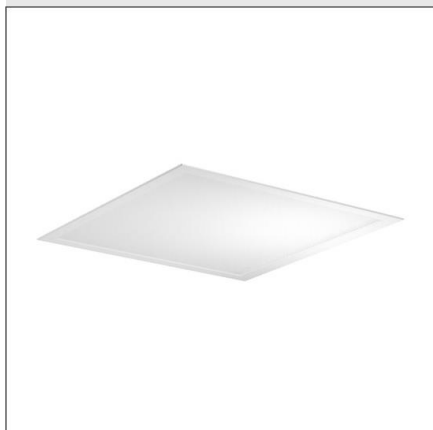


Photometric test report

Family
Apollon® 21

Order number: 51MQ11WM2413
EAN: 4058352467190

LP number
59189_17



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

Lamps LED 4000 K | CRI ≥ 80

Controlgear ECG Multilumen

Rated values Net luminous flux = 4000 lm
Power consumption = 32.0 W
Luminous efficacy = 125 lm/W

serial
documentation
25.01.2022

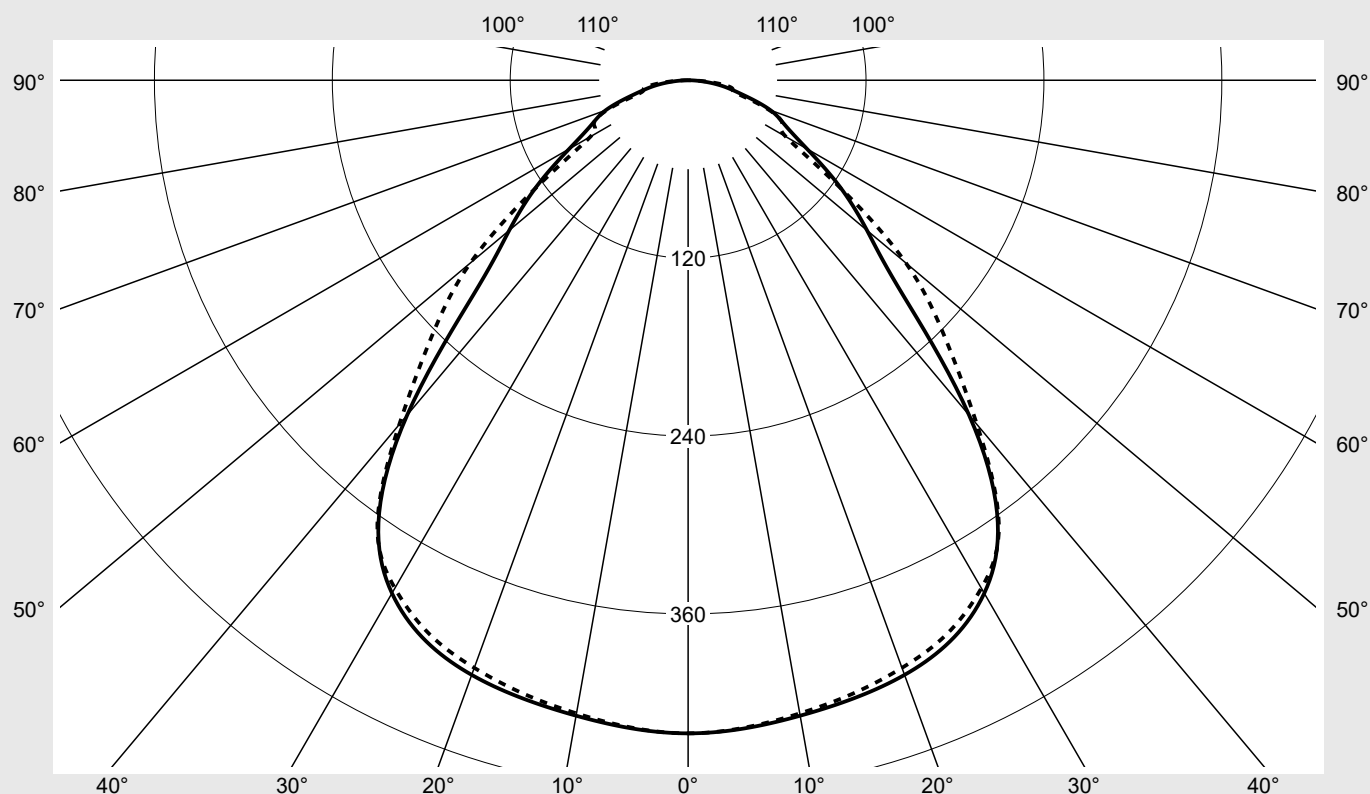
sitEco

Luminous intensity in cd/klm

C180-0

C270-90

Imax: 441 cd/klm



Classifications

DIN 5040 A 5 0
CIE N1=61 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

Photometric test report

Family Apollon® 21	Order number: 51MQ11WM2413 EAN: 4058352467190	LP number 59189_17
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°	440.5	440.5	440.5	440.5	440.5	440.5	440.5	2.6	2.6
5°	438.8	438.8	438.6	438.5	438.5	438.3	438.3	21.0	23.6
10°	435.2	435.1	434.7	434.4	434.1	433.8	433.7	41.3	64.9
15°	431.6	431.4	430.4	429.9	429.6	429.0	428.4	61.0	125.9
20°	426.8	426.3	425.0	424.1	423.4	422.6	421.8	79.5	205.5
25°	417.7	417.7	416.7	414.8	413.3	412.5	412.4	96.1	301.6
30°	399.5	400.5	401.0	397.6	394.4	394.6	395.6	109.0	410.6
35°	364.2	367.4	370.3	365.2	360.1	362.1	365.4	114.8	525.4
40°	294.8	297.9	307.7	297.1	292.2	294.7	303.1	105.0	630.4
45°	205.1	222.7	247.3	222.6	200.5	217.8	244.8	86.3	716.7
50°	157.5	177.3	190.7	176.7	153.0	173.1	191.8	73.2	789.8
55°	124.7	136.0	121.5	132.7	125.1	133.7	122.3	57.8	847.6
60°	92.7	98.6	77.8	97.8	93.3	98.2	76.0	43.5	891.2
65°	72.5	74.6	71.4	73.3	71.5	72.7	70.1	36.0	927.2
70°	59.2	55.7	56.1	55.6	60.5	55.5	57.5	29.3	956.5
75°	38.8	40.1	34.7	40.4	39.9	39.1	33.8	20.3	976.8
80°	24.7	28.1	28.6	29.3	23.8	29.2	29.9	15.0	991.8
85°	11.2	14.7	15.9	14.6	10.8	15.0	16.0	7.7	999.5
90°	0.9	1.5	1.3	1.2	0.5	0.6	0.3	0.5	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

Photometric test report

Family Apollon® 21	Order number: 51MQ11WM2413 EAN: 4058352467190	LP number 59189_17
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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	15.6	17.1	15.9	17.4	17.8
	3H	16.7	18.1	17.1	18.4	18.8	16.6	18.0	17.0	18.3	18.7
	4H	17.2	18.5	17.5	18.8	19.2	17.0	18.3	17.4	18.6	19.0
	6H	17.5	18.7	18.0	19.1	19.5	17.5	18.6	17.9	19.0	19.4
	8H	17.7	18.8	18.2	19.2	19.6	17.7	18.8	18.2	19.2	19.6
	12H	17.8	18.9	18.3	19.3	19.7	17.9	19.0	18.4	19.4	19.8
4H	2H	16.1	17.4	16.5	17.8	18.1	16.0	17.3	16.4	17.7	18.0
	3H	17.3	18.4	17.7	18.8	19.2	17.3	18.4	17.7	18.8	19.2
	4H	17.9	18.9	18.3	19.3	19.7	17.8	18.8	18.3	19.2	19.7
	6H	18.5	19.3	18.9	19.7	20.2	18.5	19.3	18.9	19.7	20.2
	8H	18.7	19.5	19.2	19.9	20.4	18.8	19.6	19.2	20.0	20.5
	12H	18.9	19.5	19.4	20.0	20.5	19.1	19.7	19.6	20.2	20.7
8H	4H	18.2	18.9	18.6	19.4	19.9	18.1	18.9	18.6	19.3	19.8
	6H	18.9	19.5	19.4	20.0	20.5	18.8	19.5	19.3	19.9	20.4
	8H	19.2	19.8	19.7	20.3	20.8	19.2	19.8	19.7	20.3	20.8
	12H	19.5	20.0	20.0	20.5	21.0	19.6	20.1	20.1	20.6	21.1
12H	4H	18.2	18.9	18.7	19.3	19.8	18.2	18.8	18.7	19.3	19.8
	6H	19.0	19.5	19.5	20.0	20.5	18.9	19.5	19.5	20.0	20.5
	8H	19.4	19.9	19.9	20.4	20.9	19.4	19.8	19.9	20.3	20.9

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 550 B = 550
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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°		3835.7	4164.7	4624.0	4162.2	3749.2	4072.1	4577.3	
50°		3240.7	3647.9	3923.8	3634.7	3148.4	3561.2	3946.1	
55°		2873.7	3135.1	2800.4	3060.2	2883.1	3081.3	2819.9	
60°		2450.4	2608.6	2058.1	2586.6	2466.3	2597.2	2010.4	
65°		2267.9	2334.6	2234.9	2293.9	2236.5	2274.7	2194.8	
70°		2287.6	2152.5	2168.3	2150.1	2338.0	2146.6	2223.7	
75°		1982.6	2046.5	1774.8	2062.4	2036.3	1995.4	1727.2	
80°		1877.9	2138.0	2180.0	2234.9	1808.5	2222.0	2279.1	
85°		1702.1	2231.0	2408.8	2212.8	1635.2	2269.0	2431.6	

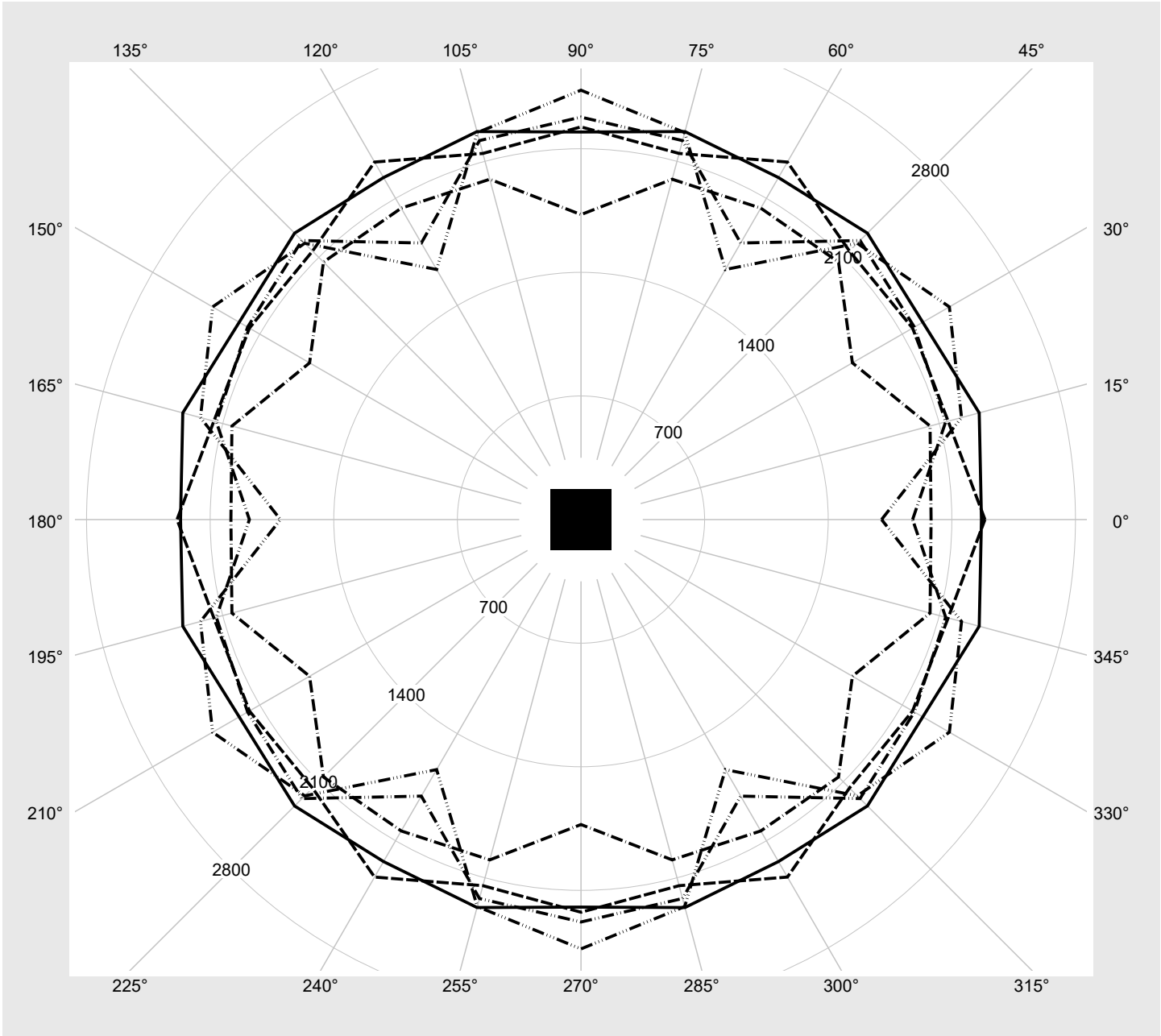
Photometric test report

Family Apollon® 21	Order number: 51MQ11WM2413 EAN: 4058352467190	LP number 59189_17
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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
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DIP-Step	Switch Setting		Luminous flux [lm]	Power consumption [W]
	1	2		
3	ON	ON	4000	32.0
2	ON	OFF	3770	30.0
1	OFF	ON	3400	27.0
0	OFF	OFF	2910	23.0