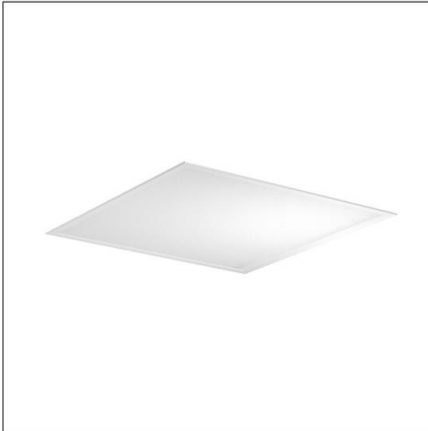


Photometric test report

Family
Apollon® 21

Order number: 51MQ12WD2T13
EAN: 4058352467251

LP number
59189_19



Version recessed luminaire for lay-in mounting, square M600, wide distribution, UGR≤19 (L65≤3000cd/m²)

Lamps LED 2700 K ... 6500 K | CRI ≥ 80

Controlgear ECG-DALI

Setting individual position

Rated values at 6500 K
Net luminous flux = 4000 lm
Power consumption = 39.0 W
Luminous efficacy = 102.6 lm/W

serial
documentation
25.01.2022

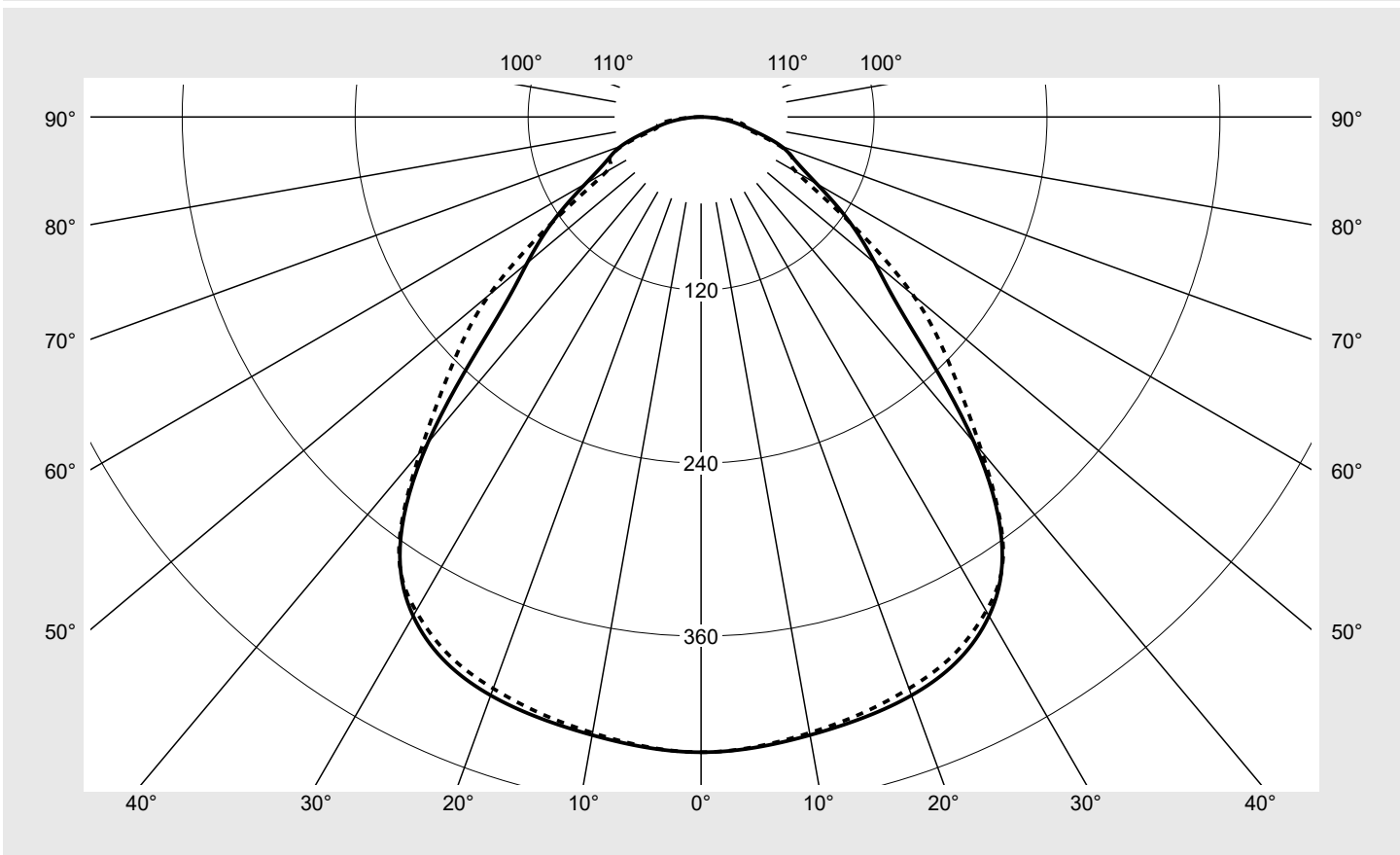
siteco

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: 51MQ12WD2T13 EAN: 4058352467251	LP number 59189_19
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: 51MQ12WD2T13 EAN: 4058352467251	LP number 59189_19
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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	

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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

