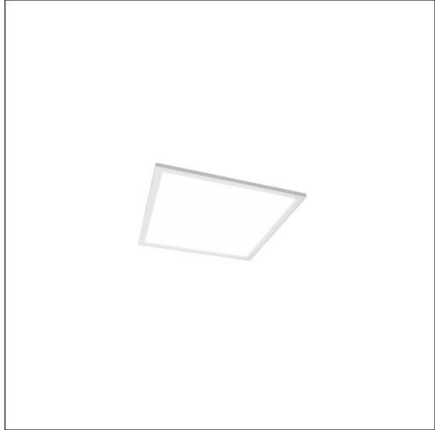
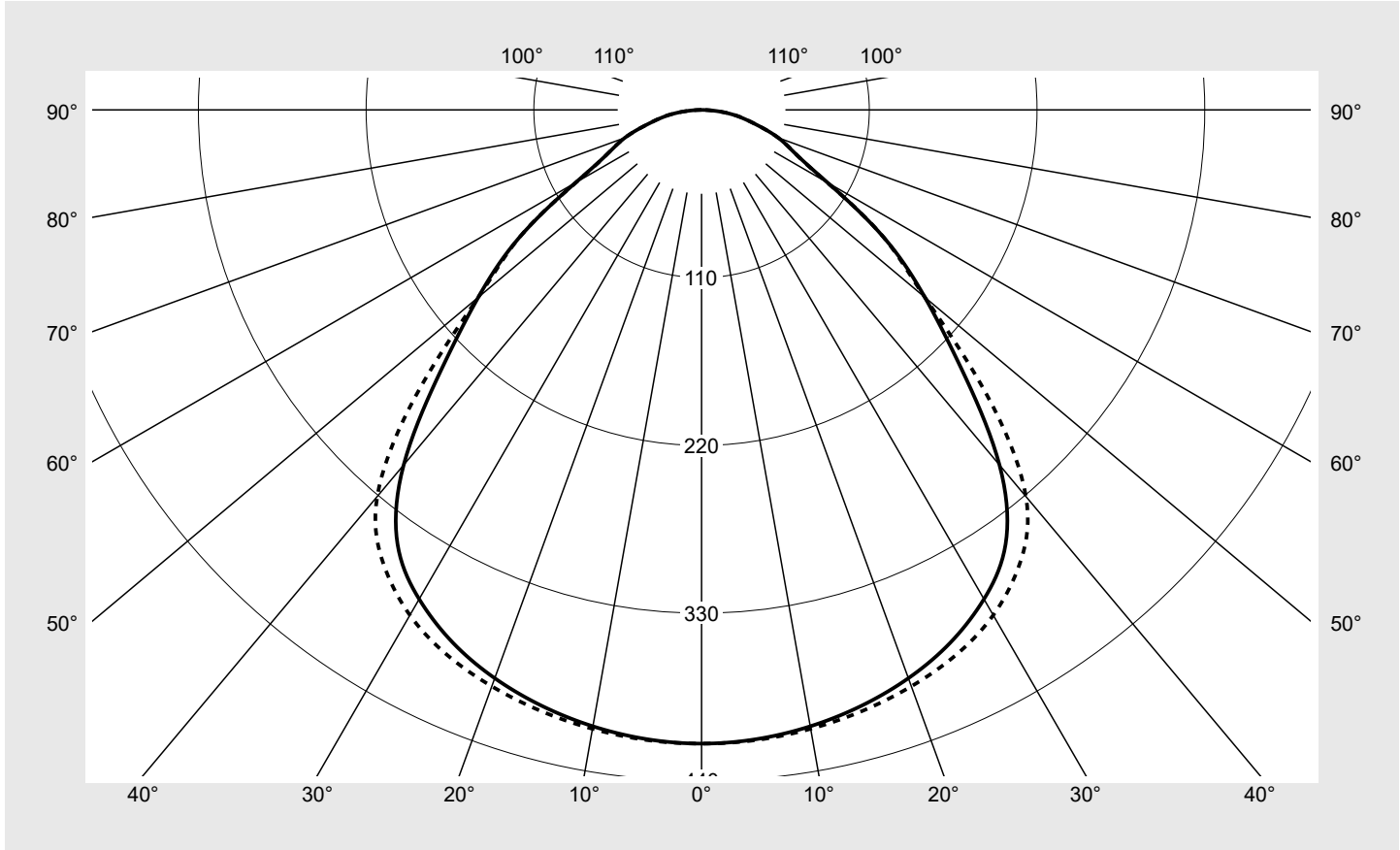


Photometric test report

Family Apollon® 21	Order number: 51MQ13WD2413 EAN: 4058352467299	LP number 59190_2
	Version	recessed luminaire for lay-in mounting, square M600, wide distribution
	Lamps	LED 4000 K CRI ≥ 80
	Controlgear	ECG-DALI
	Rated values	Net luminous flux = 1800 lm Power consumption = 15.0 W Luminous efficacy = 120 lm/W
		serial documentation 30.07.2021
		

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 416 cd/klm**



Classifications	
DIN 5040	A 5 0
CIE	N1=59 N2=88 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: 51MQ13WD2413 EAN: 4058352467299	LP number 59190_2
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°	415.6	415.6	415.6	415.6	415.6	415.6	415.6	2.5	2.5
5°	414.2	414.3	414.4	414.5	414.6	414.7	414.8	19.8	22.3
10°	410.4	410.6	410.9	411.3	411.7	412.0	412.1	39.2	61.4
15°	404.6	404.9	405.5	406.3	407.1	407.7	408.0	57.6	119.1
20°	396.6	397.1	398.1	399.5	400.8	401.7	402.2	74.9	194.0
25°	385.7	386.4	387.8	389.8	392.1	393.6	394.5	90.3	284.3
30°	370.4	371.2	372.9	375.6	379.2	381.5	382.6	103.1	387.4
35°	347.6	348.3	350.4	354.2	359.3	362.5	363.6	111.6	499.0
40°	304.0	304.8	308.3	314.5	323.8	329.3	330.9	111.5	610.5
45°	241.9	242.4	245.0	249.9	261.4	266.4	265.0	98.1	708.6
50°	191.2	190.1	190.7	192.9	190.1	190.7	191.2	80.2	788.8
55°	146.0	146.0	145.1	148.4	146.0	145.1	146.0	65.6	854.4
60°	95.4	95.0	94.9	95.4	95.0	95.4	94.8	45.2	899.5
65°	67.9	68.4	67.8	68.5	68.3	67.9	68.0	33.8	933.4
70°	53.6	53.0	52.5	53.6	53.0	52.5	53.6	27.3	960.7
75°	37.0	37.0	39.2	37.0	37.0	37.0	37.0	19.8	980.5
80°	24.3	24.3	24.8	24.8	24.3	23.8	24.8	13.2	993.7
85°	11.4	11.4	11.4	11.4	11.4	11.4	11.4	6.3	999.9
90°	0.4	0.0	0.1	0.0	0.4	0.2	0.2	0.1	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: 51MQ13WD2413 EAN: 4058352467299	LP number 59190_2
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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	19.3	20.9	19.7	21.2	21.5	19.4	21.0	19.8	21.3	21.6
	3H	20.1	21.5	20.5	21.8	22.2	20.2	21.6	20.6	21.9	22.3
	4H	20.5	21.8	20.9	22.1	22.5	20.6	21.9	20.9	22.2	22.6
	6H	20.8	22.0	21.2	22.4	22.8	20.9	22.1	21.3	22.5	22.8
	8H	21.0	22.1	21.4	22.5	22.9	21.1	22.2	21.5	22.6	23.0
	12H	21.1	22.1	21.5	22.5	22.9	21.2	22.2	21.6	22.6	23.0
4H	2H	19.7	21.0	20.1	21.3	21.7	19.8	21.1	20.2	21.4	21.8
	3H	20.7	21.8	21.1	22.2	22.6	20.7	21.8	21.2	22.2	22.6
	4H	21.2	22.2	21.6	22.6	23.0	21.2	22.2	21.7	22.6	23.1
	6H	21.7	22.5	22.1	22.9	23.4	21.7	22.5	22.1	23.0	23.4
	8H	21.9	22.6	22.3	23.1	23.6	21.9	22.7	22.4	23.1	23.6
	12H	22.0	22.7	22.5	23.2	23.7	22.1	22.7	22.5	23.2	23.7
8H	4H	21.4	22.2	21.9	22.6	23.1	21.5	22.2	21.9	22.7	23.2
	6H	22.0	22.7	22.5	23.1	23.6	22.0	22.7	22.5	23.2	23.7
	8H	22.3	22.9	22.8	23.3	23.9	22.3	22.9	22.8	23.4	23.9
	12H	22.5	23.0	23.0	23.5	24.0	22.5	23.0	23.0	23.5	24.0
12H	4H	21.5	22.1	21.9	22.6	23.1	21.5	22.2	22.0	22.6	23.1
	6H	22.1	22.6	22.6	23.1	23.7	22.1	22.7	22.6	23.1	23.7
	8H	22.4	22.9	22.9	23.4	23.9	22.4	22.9	22.9	23.4	23.9

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 230 B = 230
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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°		11639.4	11662.0	11791.2	12027.3	12579.2	12819.7	12750.3
50°		10119.8	10064.2	10094.9	10212.1	10064.2	10094.9	10119.8
55°		8660.8	8660.8	8606.7	8803.9	8660.8	8606.7	8660.8
60°		6493.3	6462.6	6455.2	6493.3	6462.6	6493.3	6454.5
65°		5468.8	5503.4	5459.1	5514.8	5498.6	5464.0	5471.2
70°		5331.7	5274.9	5219.1	5331.7	5274.9	5219.1	5331.7
75°		4862.5	4862.5	5157.5	4862.5	4862.5	4862.5	4862.5
80°		4761.0	4768.8	4865.1	4851.3	4768.8	4662.8	4867.0
85°		4469.0	4469.0	4469.0	4469.0	4469.0	4469.0	4469.0

Photometric test report

Family
Apollon® 21

Order number: 51MQ13WD2413
EAN: 4058352467299

LP number
59190_2

Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

