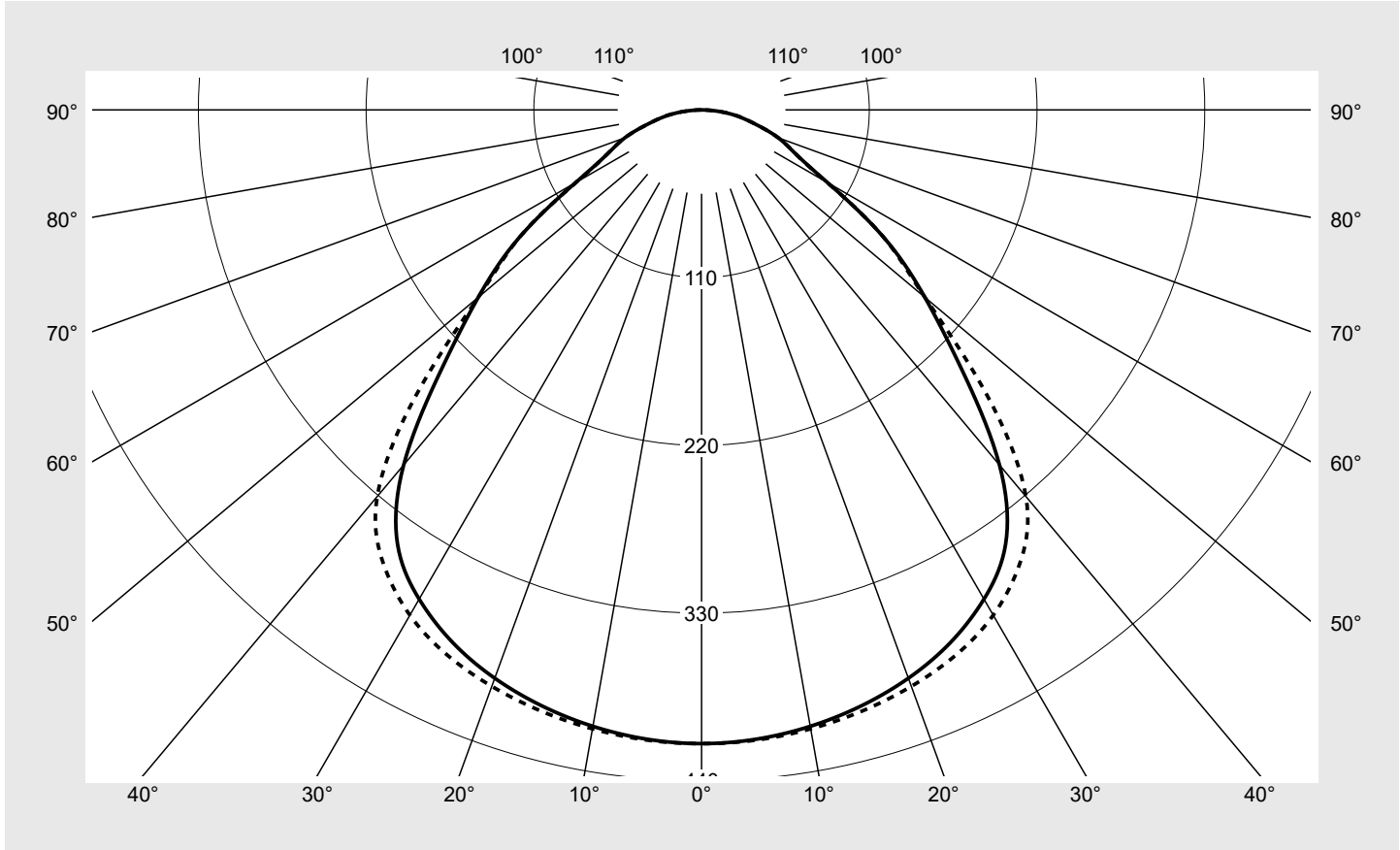


Photometric test report

Family Apollon® 21	Order number: 51MQ13WD2313 EAN: 4058352467282	LP number 59190_1
	Version	recessed luminaire for lay-in mounting, square M600, wide distribution
	Lamps	LED 3000 K CRI ≥ 80
	Controlgear	ECG-DALI
	Rated values	Net luminous flux = 1700 lm Power consumption = 15.0 W Luminous efficacy = 113.3 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: 51MQ13WD2313 EAN: 4058352467282	LP number 59190_1
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: 51MQ13WD2313 EAN: 4058352467282	LP number 59190_1
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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	19.1	20.7	19.5	21.0	21.3	19.2	20.8	19.6	21.1	21.4
	3H	19.9	21.3	20.3	21.6	22.0	20.0	21.4	20.4	21.7	22.1
	4H	20.3	21.6	20.7	21.9	22.3	20.4	21.7	20.7	22.0	22.4
	6H	20.6	21.8	21.0	22.2	22.6	20.7	21.9	21.1	22.3	22.7
	8H	20.8	21.9	21.2	22.3	22.7	20.9	22.0	21.3	22.4	22.8
	12H	20.9	21.9	21.3	22.3	22.7	21.0	22.0	21.4	22.4	22.8
4H	2H	19.5	20.8	19.9	21.1	21.5	19.6	20.9	20.0	21.2	21.6
	3H	20.5	21.6	20.9	22.0	22.4	20.5	21.6	21.0	22.0	22.4
	4H	21.0	22.0	21.4	22.4	22.8	21.0	22.0	21.5	22.4	22.9
	6H	21.5	22.3	21.9	22.7	23.2	21.5	22.3	22.0	22.8	23.2
	8H	21.7	22.4	22.1	22.9	23.4	21.7	22.5	22.2	22.9	23.4
	12H	21.8	22.5	22.3	23.0	23.5	21.9	22.5	22.3	23.0	23.5
8H	4H	21.2	22.0	21.7	22.4	22.9	21.3	22.0	21.7	22.5	23.0
	6H	21.8	22.5	22.3	22.9	23.4	21.8	22.5	22.3	23.0	23.5
	8H	22.1	22.7	22.6	23.1	23.7	22.1	22.7	22.6	23.2	23.7
	12H	22.3	22.8	22.8	23.3	23.8	22.3	22.8	22.8	23.3	23.8
12H	4H	21.3	21.9	21.7	22.4	22.9	21.3	22.0	21.8	22.4	22.9
	6H	21.9	22.4	22.4	22.9	23.5	21.9	22.5	22.4	23.0	23.5
	8H	22.2	22.7	22.7	23.2	23.7	22.2	22.7	22.7	23.2	23.7

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 230 B = 230
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C-planes	γ	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
			Luminance in cd/m²					
45°		10992.8	11014.2	11136.1	11359.1	11880.3	12107.5	12041.9
50°		9557.6	9505.0	9534.1	9644.7	9505.0	9534.1	9557.6
55°		8179.6	8179.6	8128.5	8314.8	8179.6	8128.5	8179.6
60°		6132.6	6103.6	6096.5	6132.6	6103.6	6132.6	6095.9
65°		5165.0	5197.7	5155.8	5208.4	5193.1	5160.4	5167.3
70°		5035.5	4981.8	4929.1	5035.5	4981.8	4929.1	5035.5
75°		4592.3	4592.3	4871.0	4592.3	4592.3	4592.3	4592.3
80°		4496.5	4503.9	4594.8	4581.8	4503.9	4403.8	4596.6
85°		4220.7	4220.7	4220.7	4220.7	4220.7	4220.7	4220.7

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Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85°

