

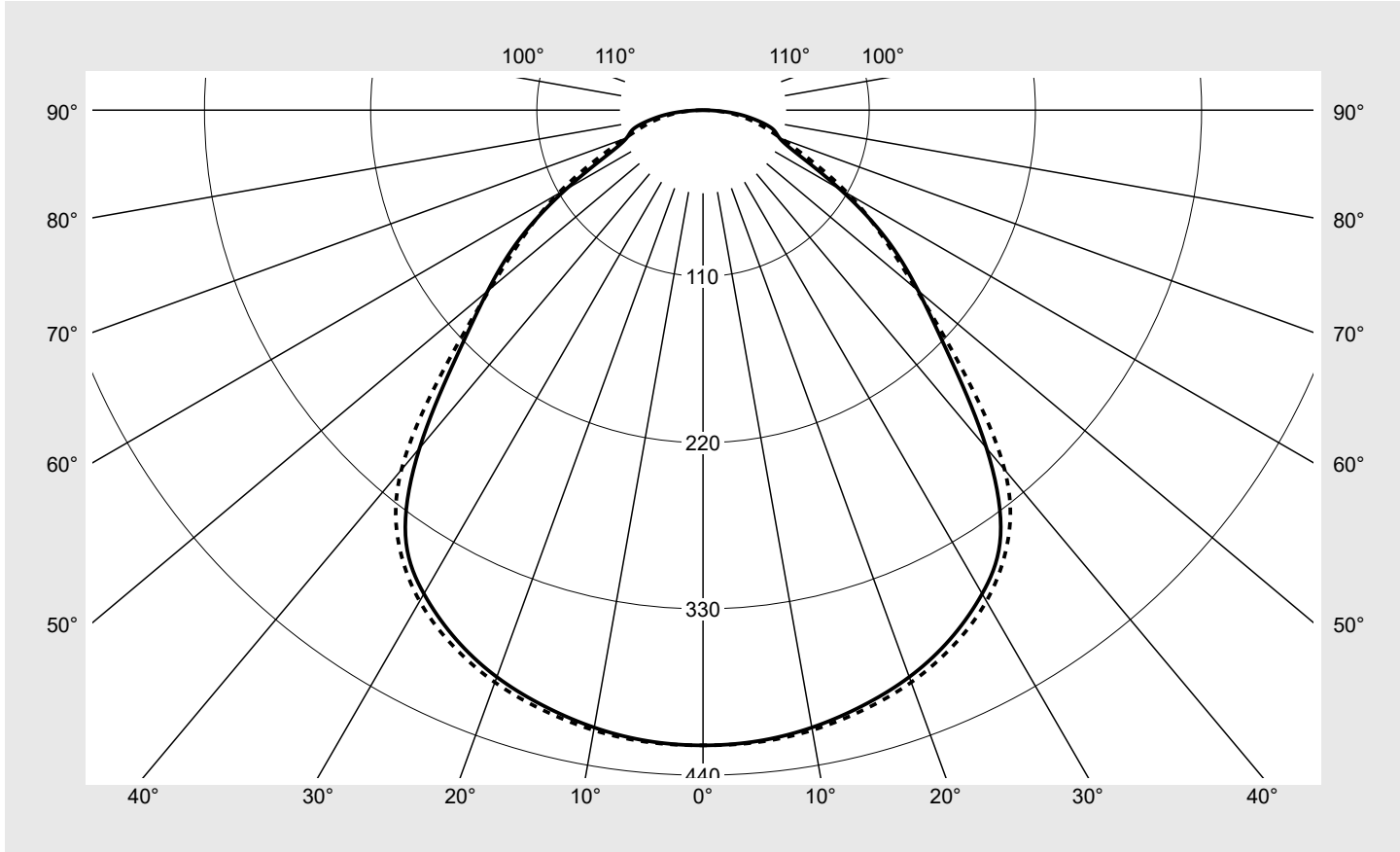


Photometric test report

Family Apollon® 21	Order number: 51MQ16WD2412 EAN: 4058352490662	LP number 59192_4
	Version recessed luminaire for lay-in mounting, linear, wide distribution	serial documentation 30.07.2021
	Lamps LED 4000 K CRI ≥ 80	
Controlgear ECG-DALI		
Rated values Net luminous flux = 4000 lm Power consumption = 33.0 W Luminous efficacy = 121.2 lm/W		

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 420 cd/klm**



Classifications	
DIN 5040	A 5 0
CIE	N1=58 N2=86 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
		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°	420.3	420.3	420.3	420.3	420.3	420.3	420.3	2.5	2.5
5°	419.0	419.0	419.0	419.2	419.2	419.4	419.7	20.0	22.5
10°	414.8	414.6	414.7	414.9	415.3	415.8	416.6	39.5	62.1
15°	408.0	407.9	408.0	408.4	409.2	409.9	410.8	58.0	120.1
20°	399.1	398.9	399.0	399.4	400.5	401.7	402.9	75.0	195.1
25°	386.5	386.3	386.4	386.9	388.6	390.0	391.2	89.8	284.9
30°	369.5	369.0	369.0	369.6	372.0	373.9	375.2	101.7	386.6
35°	343.4	342.9	343.4	344.7	347.9	350.0	351.0	108.8	495.4
40°	291.9	291.5	293.4	297.7	305.4	309.7	310.6	105.6	601.0
45°	230.9	230.9	232.3	235.1	244.6	247.2	242.7	92.2	693.2
50°	186.0	182.6	181.5	182.8	188.7	189.1	184.1	77.7	770.8
55°	147.8	140.2	137.0	138.2	143.7	145.8	144.5	63.7	834.5
60°	104.8	101.4	100.5	102.2	107.1	110.1	111.3	49.8	884.3
65°	69.5	74.1	76.5	76.6	77.0	77.8	78.9	37.8	922.1
70°	53.8	58.2	60.2	59.7	57.2	55.8	55.5	29.7	951.8
75°	47.6	44.4	43.1	43.6	43.9	42.8	40.4	23.1	974.9
80°	34.2	29.9	28.0	28.5	31.5	31.2	27.5	16.2	991.1
85°	18.3	16.5	15.5	15.3	16.3	15.9	14.2	8.7	999.8
90°	0.2	0.2	0.3	0.4	0.5	0.6	0.7	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								
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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	17.4	19.0	17.8	19.3	19.6	17.7	19.3	18.1	19.6	19.9
	3H	18.3	19.8	18.7	20.1	20.4	18.6	20.0	19.0	20.3	20.7
	4H	18.9	20.2	19.3	20.6	20.9	19.0	20.3	19.4	20.7	21.1
	6H	19.5	20.7	19.9	21.0	21.4	19.4	20.6	19.8	21.0	21.4
	8H	19.8	20.9	20.2	21.3	21.7	19.6	20.8	20.1	21.1	21.5
	12H	20.0	21.0	20.4	21.4	21.8	19.8	20.8	20.2	21.2	21.6
4H	2H	17.9	19.2	18.3	19.6	19.9	18.1	19.4	18.5	19.8	20.2
	3H	19.1	20.2	19.5	20.6	21.0	19.2	20.3	19.6	20.7	21.1
	4H	19.7	20.7	20.2	21.1	21.6	19.8	20.8	20.2	21.2	21.6
	6H	20.4	21.3	20.9	21.7	22.2	20.4	21.3	20.9	21.7	22.2
	8H	20.7	21.5	21.2	22.0	22.5	20.7	21.5	21.1	21.9	22.4
	12H	21.1	21.7	21.5	22.2	22.7	20.9	21.6	21.4	22.0	22.5
8H	4H	20.0	20.8	20.5	21.3	21.7	20.1	20.9	20.5	21.3	21.8
	6H	20.8	21.5	21.3	22.0	22.5	20.9	21.5	21.3	22.0	22.5
	8H	21.2	21.8	21.7	22.3	22.8	21.2	21.8	21.7	22.3	22.8
	12H	21.6	22.1	22.1	22.6	23.2	21.6	22.0	22.1	22.5	23.1
12H	4H	20.1	20.8	20.6	21.2	21.7	20.1	20.8	20.6	21.3	21.8
	6H	20.9	21.5	21.4	22.0	22.5	21.0	21.5	21.5	22.0	22.5
	8H	21.4	21.9	21.9	22.4	22.9	21.4	21.9	21.9	22.4	22.9

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1498 B = 132
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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°		6605.2	6604.9	6645.2	6725.9	6998.9	7071.5	6944.0		
50°		5853.9	5746.6	5712.5	5751.3	5938.9	5952.5	5792.2		
55°		5211.4	4943.8	4832.0	4875.6	5067.8	5140.7	5094.7		
60°		4240.1	4102.8	4067.1	4132.9	4332.7	4456.0	4502.1		
65°		3326.3	3547.1	3660.4	3666.6	3687.8	3725.2	3778.7		
70°		3182.0	3444.9	3561.4	3531.5	3385.7	3302.1	3279.7		
75°		3719.1	3473.5	3368.6	3405.1	3429.1	3347.9	3161.0		
80°		3981.0	3483.2	3261.5	3315.9	3671.2	3633.1	3202.2		
85°		4242.4	3820.2	3586.4	3543.5	3785.1	3700.4	3289.3		

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Family
Apollon® 21

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LP number
59192_4

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

