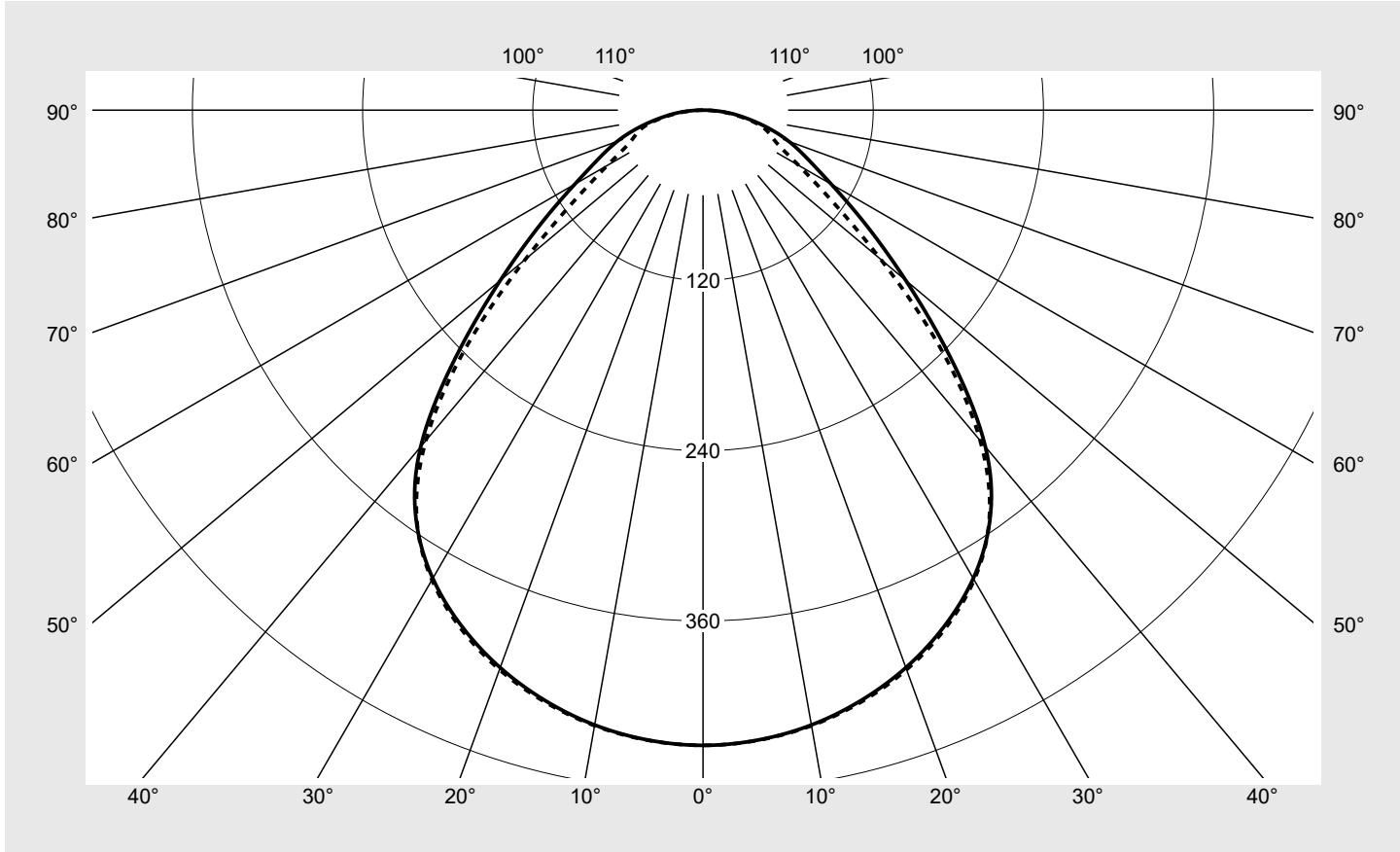


Photometric test report

Family Apollon® 21	Order number: 51MQ11W72414M EAN: 4058352928073	LP number 59548_7
	Version recessed luminaire for lay-in mounting, square M625, wide distribution, UGR≤19 (L65≤3000cd/m²)	serial documentation 29.01.2024
	Lamps LED 4000 K CRI ≥ 80 Controlgear ECG Rated values Net luminous flux = 4200 lm Power consumption = 23.3 W Luminous efficacy = 180.3 lm/W	



Luminous intensity in cd/klm **C180-0** **C270-90** **Imax: 448 cd/klm**



Classifications	
DIN 5040	A 5 0
CIE	N1=60 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: 51MQ11W72414M EAN: 4058352928073	LP number 59548_7
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°	447.7	447.7	447.7	447.7	447.7	447.7	447.7	2.7	2.7
5°	445.6	445.7	445.8	445.8	445.8	445.8	445.8	21.3	24.0
10°	440.0	440.1	440.1	440.3	440.4	440.4	440.5	41.9	65.9
15°	430.7	430.8	431.0	431.2	431.3	431.5	431.7	61.2	127.0
20°	418.1	418.2	418.4	418.7	418.9	419.3	419.6	78.5	205.5
25°	401.8	401.9	402.1	402.3	402.5	403.0	403.5	93.2	298.8
30°	381.0	381.1	381.1	381.3	381.4	381.8	382.3	104.5	403.3
35°	352.6	352.4	352.2	351.8	351.4	351.6	351.9	110.7	513.9
40°	309.7	308.8	307.7	306.1	304.4	304.3	304.0	107.9	621.9
45°	246.9	244.2	241.6	240.8	240.1	238.2	236.2	93.4	715.3
50°	186.5	177.8	169.0	175.7	182.4	172.9	163.4	73.7	789.0
55°	139.5	126.8	114.1	127.5	140.9	125.4	110.0	56.8	845.8
60°	104.5	91.4	78.4	93.2	107.9	92.9	77.8	43.9	889.7
65°	81.4	68.9	56.4	69.2	82.0	70.6	59.2	34.6	924.3
70°	64.4	55.9	47.3	54.3	61.2	55.8	50.4	28.5	952.8
75°	46.6	44.8	42.9	42.8	42.8	42.3	41.8	22.9	975.7
80°	29.3	29.6	30.0	29.8	29.7	28.4	27.2	15.8	991.5
85°	15.1	13.9	12.6	14.5	16.3	14.7	13.0	7.8	999.4
90°	1.7	1.5	1.2	1.2	1.1	0.8	0.5	0.6	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: 51MQ11W72414M EAN: 4058352928073	LP number 59548_7
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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	15.8	17.3	16.1	17.6	18.0	15.8	17.4	16.2	17.7	18.0
	3H	16.8	18.2	17.2	18.6	18.9	16.7	18.1	17.1	18.4	18.8
	4H	17.4	18.7	17.8	19.1	19.4	17.2	18.5	17.6	18.9	19.2
	6H	17.9	19.1	18.3	19.5	19.9	17.7	18.9	18.1	19.2	19.6
	8H	18.2	19.3	18.6	19.6	20.0	17.9	19.0	18.3	19.4	19.8
	12H	18.3	19.4	18.7	19.7	20.2	18.0	19.1	18.4	19.4	19.9
4H	2H	16.2	17.5	16.6	17.8	18.2	16.2	17.5	16.6	17.9	18.3
	3H	17.4	18.5	17.8	18.9	19.3	17.4	18.5	17.8	18.9	19.3
	4H	18.1	19.1	18.6	19.5	20.0	18.1	19.1	18.5	19.5	19.9
	6H	18.8	19.7	19.3	20.1	20.6	18.7	19.5	19.1	20.0	20.4
	8H	19.1	19.9	19.5	20.3	20.8	18.9	19.7	19.4	20.2	20.6
	12H	19.3	20.0	19.8	20.5	21.0	19.1	19.8	19.6	20.3	20.8
8H	4H	18.4	19.2	18.9	19.7	20.1	18.4	19.2	18.8	19.6	20.1
	6H	19.3	19.9	19.8	20.4	20.9	19.2	19.8	19.6	20.3	20.8
	8H	19.6	20.2	20.1	20.7	21.2	19.5	20.1	20.0	20.6	21.1
	12H	19.9	20.4	20.4	20.9	21.5	19.8	20.3	20.3	20.8	21.3
12H	4H	18.5	19.2	19.0	19.6	20.1	18.4	19.1	18.9	19.6	20.1
	6H	19.4	19.9	19.9	20.4	20.9	19.3	19.8	19.8	20.3	20.8
	8H	19.8	20.2	20.3	20.7	21.3	19.7	20.1	20.2	20.6	21.2

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 554 B = 554
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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°		4778.7	4726.4	4675.6	4659.9	4647.5	4610.2	4570.5	
50°		3970.3	3784.5	3598.6	3740.8	3883.0	3680.6	3478.3	
55°		3327.5	3024.3	2721.2	3041.4	3361.5	2992.4	2623.3	
60°		2858.8	2502.9	2147.0	2550.5	2953.9	2542.0	2130.1	
65°		2636.9	2231.8	1826.6	2241.4	2656.2	2286.1	1916.1	
70°		2577.0	2235.6	1894.2	2171.6	2449.0	2233.4	2017.7	
75°		2462.7	2366.8	2265.8	2264.7	2263.3	2235.8	2208.3	
80°		2309.8	2335.5	2361.2	2350.9	2340.7	2237.2	2141.9	
85°		2376.1	2180.7	1985.6	2275.3	2565.0	2303.2	2041.5	

Photometric test report

Family Apollon® 21	Order number: 51MQ11W72414M EAN: 4058352928073	LP number 59548_7
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Luminance values in cd/m²

γ 65°	γ 70°	γ 75°	γ 80°	γ 85°
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