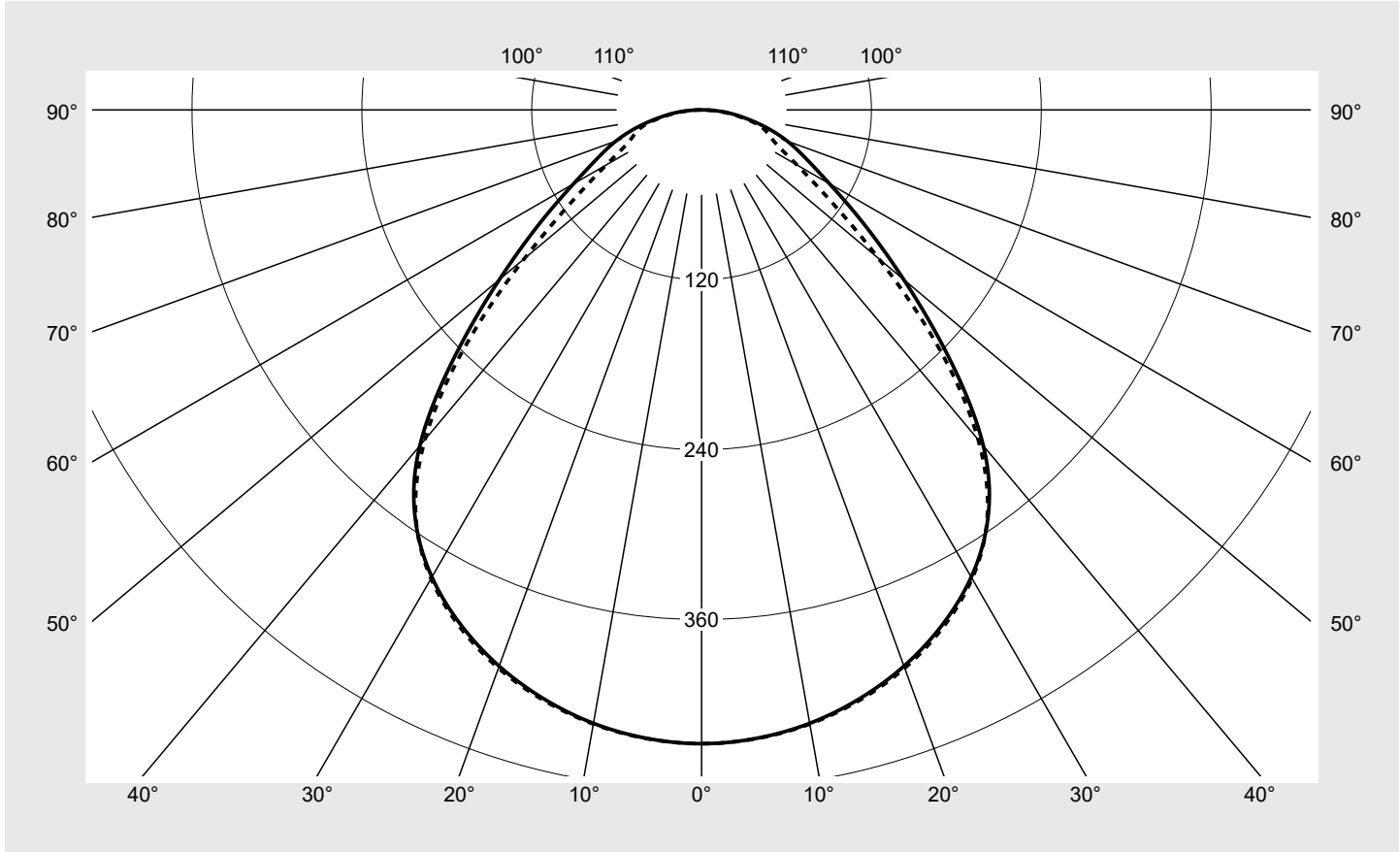


Photometric test report

Family Apollon® 21	Order number: 51MQ1AWM2414 EAN: 4058352959978	LP number 59548_1
Version	recessed luminaire for lay-in mounting, linear, wide distribution, UGR≤19 (L65≤3000cd/m²)	serial documentation 29.01.2024
Lamps	LED 4000 K CRI ≥ 80	
Controlgear	ECG Multilumen	
Setting	factory setting: DIP-Step=7	
Rated values	Net luminous flux = 7550 lm Power consumption = 44.7 W Luminous efficacy = 168.9 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: 51MQ1AWM2414 EAN: 4058352959978	LP number 59548_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°	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: 51MQ1AWM2414 EAN: 4058352959978	LP number 59548_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	15.3	16.8	15.6	17.1	17.5	15.3	16.9	15.7	17.2	17.5
	3H	16.3	17.7	16.7	18.0	18.4	16.2	17.6	16.6	17.9	18.3
	4H	16.9	18.2	17.3	18.6	18.9	16.7	18.0	17.1	18.3	18.7
	6H	17.4	18.6	17.8	19.0	19.4	17.2	18.4	17.6	18.7	19.1
	8H	17.6	18.8	18.1	19.1	19.5	17.4	18.5	17.8	18.9	19.3
	12H	17.8	18.8	18.2	19.2	19.7	17.5	18.5	17.9	18.9	19.4
4H	2H	15.6	17.0	16.0	17.3	17.7	15.7	17.0	16.1	17.4	17.8
	3H	16.9	18.0	17.3	18.3	18.8	16.9	18.0	17.3	18.4	18.8
	4H	17.6	18.6	18.1	19.0	19.4	17.6	18.6	18.0	19.0	19.4
	6H	18.3	19.2	18.8	19.6	20.0	18.2	19.0	18.6	19.5	19.9
	8H	18.6	19.3	19.0	19.8	20.3	18.4	19.2	18.9	19.6	20.1
	12H	18.8	19.5	19.3	19.9	20.4	18.6	19.3	19.1	19.8	20.3
8H	4H	17.9	18.7	18.4	19.2	19.6	17.9	18.6	18.3	19.1	19.6
	6H	18.8	19.4	19.3	19.9	20.4	18.6	19.3	19.1	19.8	20.3
	8H	19.1	19.7	19.6	20.2	20.7	19.0	19.6	19.5	20.0	20.6
	12H	19.4	19.9	19.9	20.4	20.9	19.3	19.8	19.8	20.3	20.8
12H	4H	18.0	18.7	18.5	19.1	19.6	17.9	18.6	18.4	19.1	19.6
	6H	18.9	19.4	19.4	19.9	20.4	18.8	19.3	19.3	19.8	20.3
	8H	19.3	19.7	19.8	20.2	20.8	19.2	19.6	19.7	20.1	20.7

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1154 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°		4123.9	4078.8	4034.9	4021.4	4010.7	3978.5	3944.3		
50°		3426.3	3265.9	3105.6	3228.3	3350.9	3176.3	3001.7		
55°		2871.6	2610.0	2348.3	2624.6	2900.9	2582.4	2263.9		
60°		2467.1	2159.9	1852.8	2201.0	2549.2	2193.7	1838.2		
65°		2275.6	1926.0	1576.3	1934.3	2292.2	1972.9	1653.6		
70°		2223.9	1929.3	1634.6	1874.0	2113.4	1927.4	1741.3		
75°		2125.3	2042.5	1955.4	1954.4	1953.2	1929.4	1905.7		
80°		1993.3	2015.5	2037.7	2028.8	2020.0	1930.7	1848.4		
85°		2050.5	1881.9	1713.5	1963.5	2213.5	1987.6	1761.8		

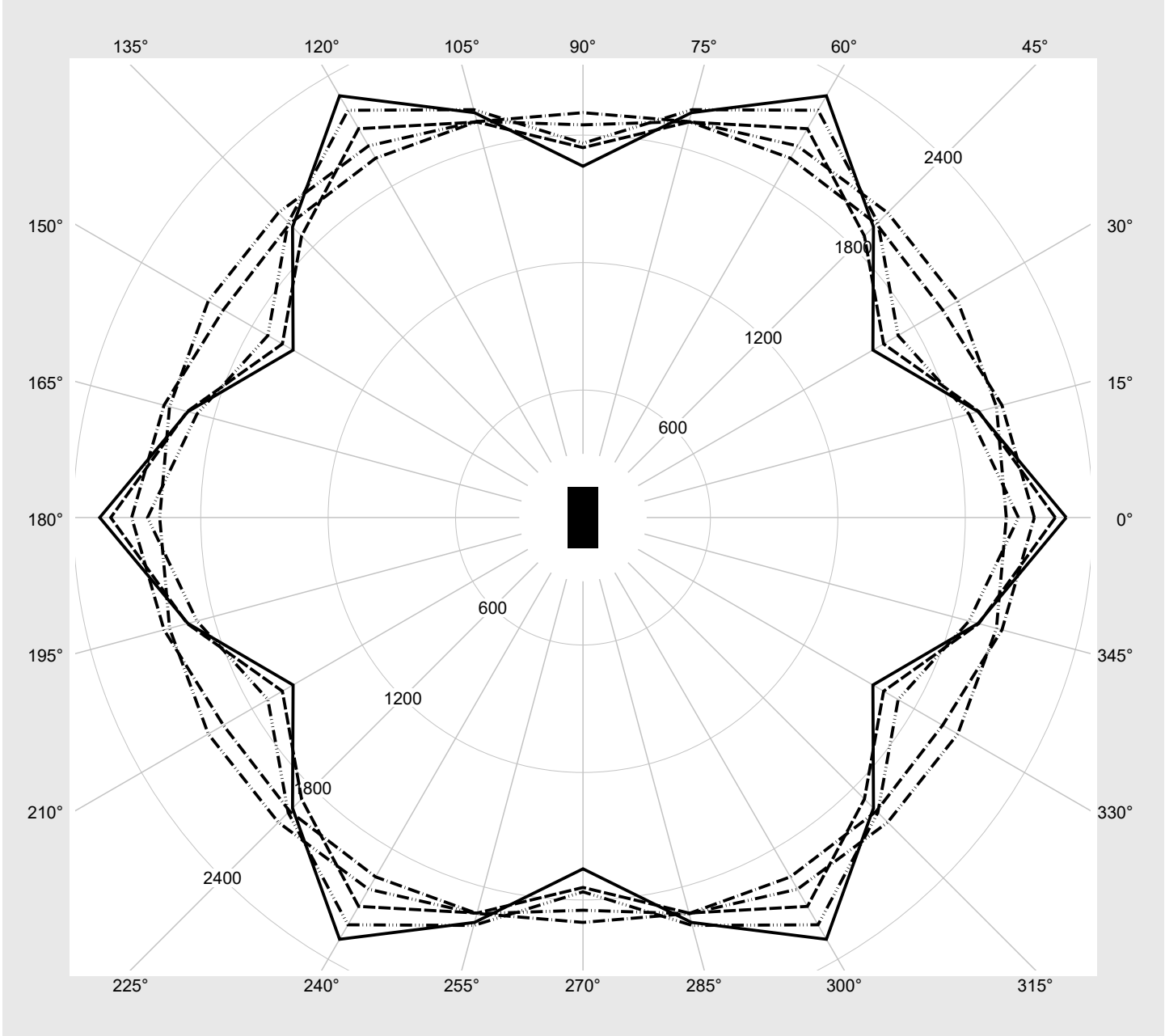
Photometric test report

Family Apollon® 21	Order number: 51MQ1AWM2414 EAN: 4058352959978	LP number 59548_1
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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°



Photometric test report

Family Apollon® 21	Order number: 51MQ1AWM2414 EAN: 4058352959978	LP number 59548_1
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Multilumen Table	environmental temperature: 25°C	sITeco
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DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
7	ON	ON	ON	7550	44.7
6	OFF	ON	ON	7240	42.8
5	ON	OFF	ON	6900	40.7
4	OFF	OFF	ON	6570	38.6
3	ON	ON	OFF	6230	36.5
2	OFF	ON	OFF	5890	34.5
1	ON	OFF	OFF	5530	32.4
0	OFF	OFF	OFF	5180	30.6