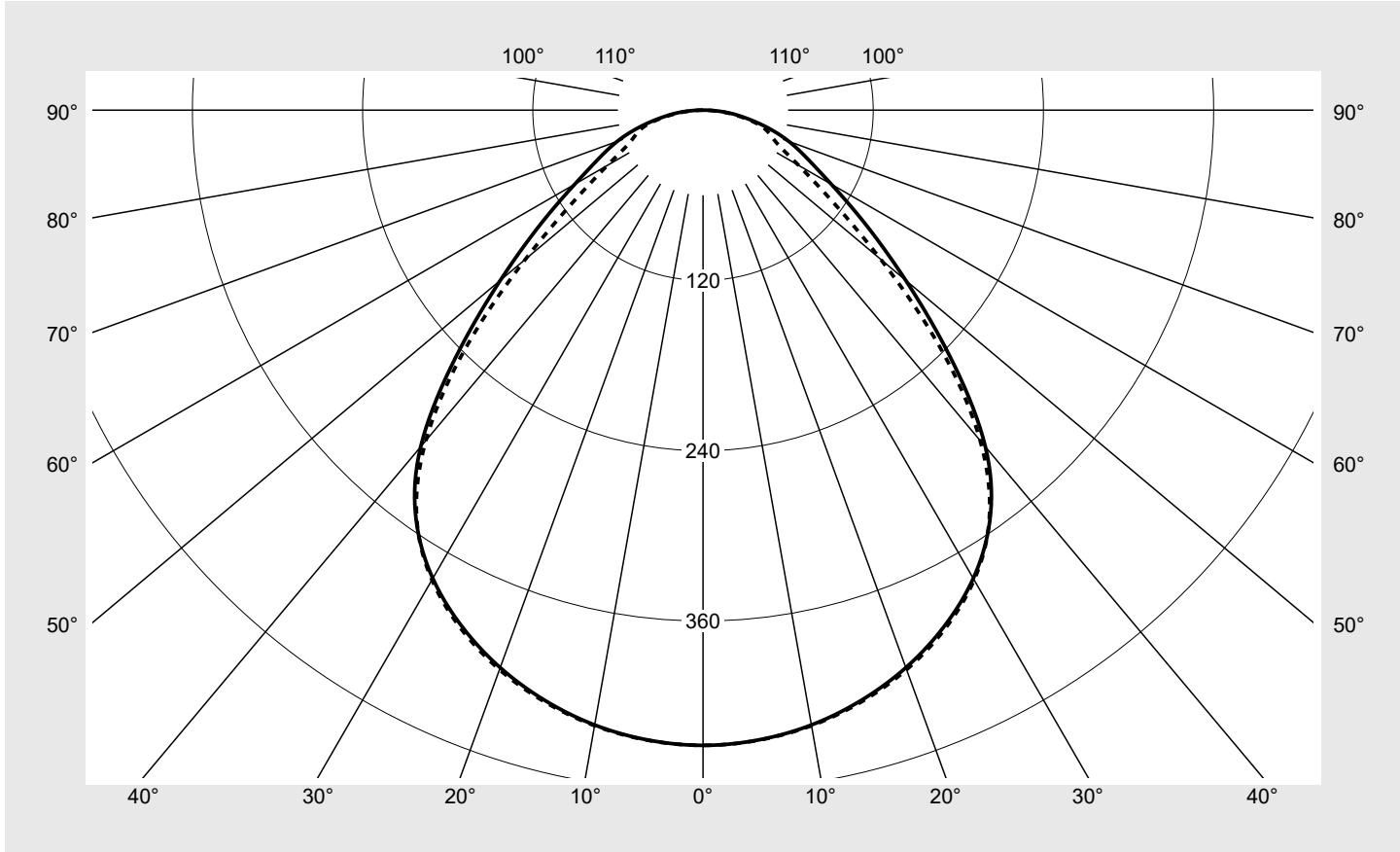


Photometric test report

Family Apollon® 21	Order number: 51MQ1AWD2M14 EAN: 4058352928479	LP number 59548_49
Version	recessed luminaire for lay-in mounting, linear, wide distribution, adjustable color temperature: 3000 K 4000 K, UGR≤19 (L65≤3000cd/m²)	serial documentation 31.01.2024
Lamps	LED 3000 K CRI ≥ 80	
Controlgear	ECG-DALI	
Setting	individual position	
Rated values	Net luminous flux = 7000 lm Power consumption = 44.5 W Luminous efficacy = 157.3 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: 51MQ1AWD2M14 EAN: 4058352928479	LP number 59548_49
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: 51MQ1AWD2M14 EAN: 4058352928479	LP number 59548_49
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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	15.0	16.6	15.4	16.9	17.2	15.0	16.6	15.4	16.9	17.2
	3H	16.0	17.4	16.4	17.8	18.1	15.9	17.3	16.3	17.7	18.0
	4H	16.6	17.9	17.0	18.3	18.7	16.4	17.7	16.8	18.1	18.5
	6H	17.1	18.3	17.6	18.7	19.1	16.9	18.1	17.3	18.5	18.9
	8H	17.4	18.5	17.8	18.9	19.3	17.1	18.2	17.5	18.6	19.0
	12H	17.5	18.6	18.0	19.0	19.4	17.2	18.3	17.7	18.7	19.1
4H	2H	15.4	16.7	15.8	17.0	17.4	15.5	16.8	15.9	17.1	17.5
	3H	16.6	17.7	17.0	18.1	18.5	16.6	17.7	17.1	18.1	18.5
	4H	17.4	18.3	17.8	18.7	19.2	17.3	18.3	17.7	18.7	19.1
	6H	18.0	18.9	18.5	19.3	19.8	17.9	18.8	18.4	19.2	19.7
	8H	18.3	19.1	18.8	19.5	20.0	18.2	18.9	18.6	19.4	19.9
	12H	18.5	19.2	19.0	19.7	20.2	18.4	19.1	18.9	19.5	20.0
8H	4H	17.7	18.4	18.1	18.9	19.4	17.6	18.4	18.1	18.8	19.3
	6H	18.5	19.1	19.0	19.6	20.1	18.4	19.0	18.9	19.5	20.0
	8H	18.9	19.4	19.3	19.9	20.4	18.7	19.3	19.2	19.8	20.3
	12H	19.2	19.6	19.7	20.1	20.7	19.0	19.5	19.5	20.0	20.6
12H	4H	17.7	18.4	18.2	18.9	19.4	17.7	18.3	18.1	18.8	19.3
	6H	18.6	19.2	19.1	19.6	20.2	18.5	19.0	19.0	19.5	20.0
	8H	19.0	19.5	19.5	20.0	20.5	18.9	19.4	19.4	19.9	20.4

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1154 B = 554
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C-planes	γ	0° 180°	15°	30°	45°	60°	75°	90° 270°
			165°	150°	135°	120°	105°	
			195°	210°	225°	240°	255°	
			345°	330°	315°	300°	285°	
			Luminance in cd/m²					
45°		3823.5	3781.7	3741.0	3728.5	3718.5	3688.7	3656.9
50°		3176.7	3028.0	2879.3	2993.1	3106.8	2944.9	2783.0
55°		2662.4	2419.8	2177.3	2433.4	2689.6	2394.3	2099.0
60°		2287.3	2002.6	1717.9	2040.7	2363.5	2033.9	1704.3
65°		2109.8	1785.7	1461.5	1793.4	2125.3	1829.2	1533.1
70°		2061.9	1788.7	1515.5	1737.5	1959.5	1787.0	1614.4
75°		1970.5	1893.7	1812.9	1812.0	1810.9	1788.9	1766.9
80°		1848.1	1868.7	1889.2	1881.0	1872.8	1790.0	1713.7
85°		1901.1	1744.8	1588.7	1820.5	2052.3	1842.8	1633.4

Photometric test report

Family Apollon® 21	Order number: 51MQ1AWD2M14 EAN: 4058352928479	LP number 59548_49
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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

