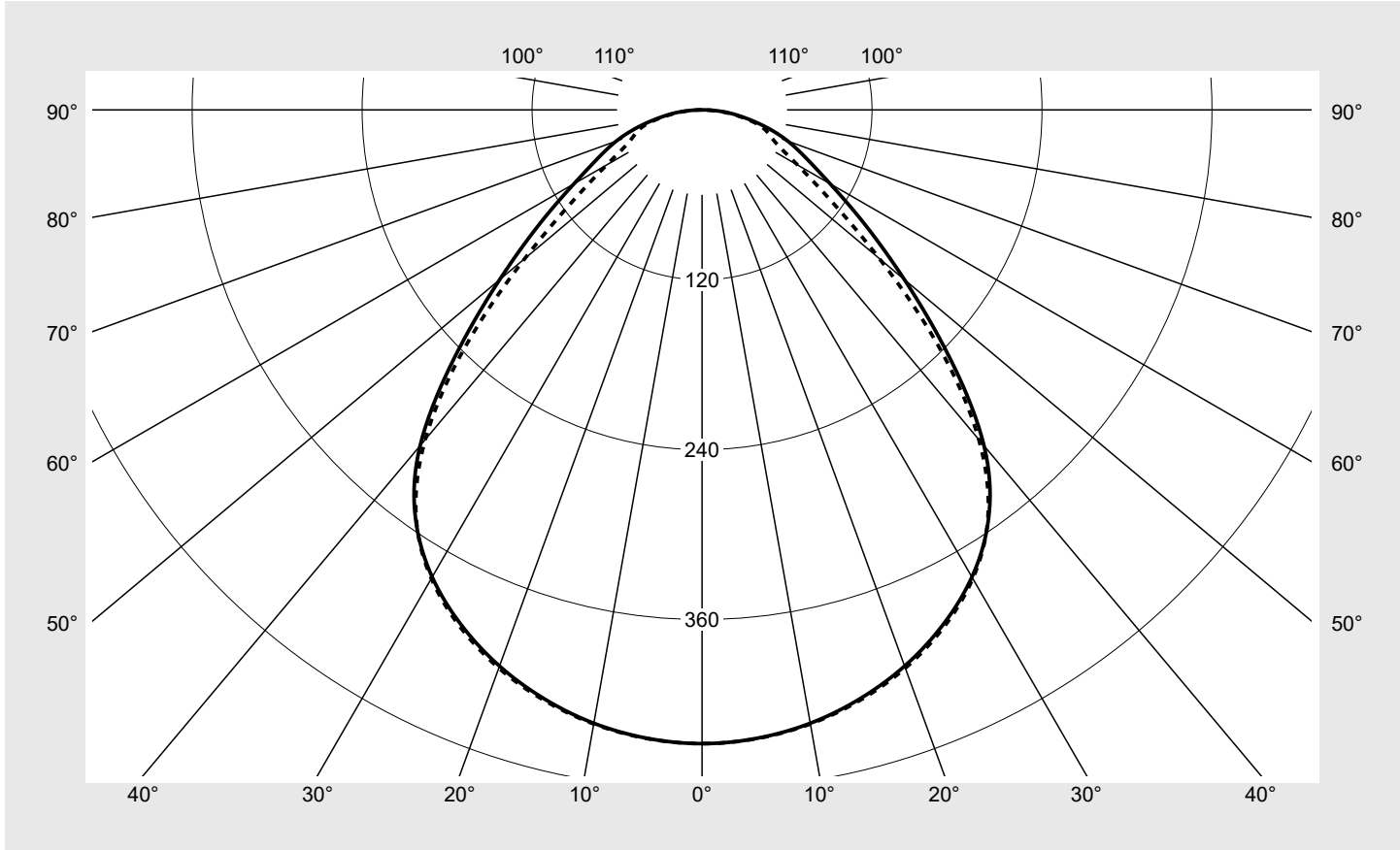


Photometric test report

Family Apollon® 21	Order number: 51MQ18WD2414 EAN: 4058352928424	LP number 59548_43
	Version recessed luminaire for lay-in mounting, linear, wide distribution, UGR≤19 (L65≤3000cd/m²) Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 4190 lm Power consumption = 25.5 W Luminous efficacy = 164.3 lm/W	serial documentation 29.01.2024
		

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: 51MQ18WD2414 EAN: 4058352928424	LP number 59548_43
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: 51MQ18WD2414 EAN: 4058352928424	LP number 59548_43
------------------------------	--	------------------------------

UGR-Table	Standard room	siteco
------------------	----------------------	---------------

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	15.9	17.5	16.3	17.8	18.1	16.0	17.5	16.3	17.8	18.2
	3H	17.0	18.4	17.4	18.7	19.1	16.9	18.3	17.2	18.6	18.9
	4H	17.6	18.9	18.0	19.2	19.6	17.4	18.7	17.7	19.0	19.4
	6H	18.1	19.3	18.5	19.6	20.0	17.8	19.0	18.2	19.4	19.8
	8H	18.3	19.4	18.7	19.8	20.2	18.0	19.1	18.5	19.5	19.9
	12H	18.5	19.5	18.9	19.9	20.3	18.2	19.2	18.6	19.6	20.0
4H	2H	16.3	17.6	16.7	18.0	18.3	16.4	17.7	16.8	18.0	18.4
	3H	17.5	18.6	17.9	19.0	19.4	17.6	18.7	18.0	19.1	19.5
	4H	18.3	19.3	18.7	19.7	20.1	18.2	19.2	18.7	19.6	20.1
	6H	19.0	19.8	19.4	20.2	20.7	18.8	19.7	19.3	20.1	20.6
	8H	19.2	20.0	19.7	20.5	20.9	19.1	19.9	19.6	20.3	20.8
	12H	19.5	20.2	20.0	20.6	21.1	19.3	20.0	19.8	20.4	20.9
8H	4H	18.6	19.4	19.1	19.8	20.3	18.5	19.3	19.0	19.7	20.2
	6H	19.4	20.1	19.9	20.5	21.0	19.3	20.0	19.8	20.4	20.9
	8H	19.8	20.4	20.3	20.8	21.4	19.7	20.2	20.2	20.7	21.2
	12H	20.1	20.6	20.6	21.1	21.6	20.0	20.4	20.5	20.9	21.5
12H	4H	18.6	19.3	19.1	19.8	20.3	18.6	19.3	19.1	19.7	20.2
	6H	19.5	20.1	20.0	20.6	21.1	19.4	20.0	19.9	20.5	21.0
	8H	19.9	20.4	20.4	20.9	21.4	19.8	20.3	20.3	20.8	21.3

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1154 B = 254
------------------------	---	--------------------------------------	-----------------------------------

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°		4991.7	4937.2	4884.0	4867.7	4854.7	4815.7	4774.3	
50°		4147.3	3953.2	3759.1	3907.6	4056.1	3844.7	3633.4	
55°		3475.9	3159.2	2842.5	3177.0	3511.4	3125.8	2740.3	
60°		2986.2	2614.5	2242.7	2664.2	3085.6	2655.4	2225.1	
65°		2754.5	2331.3	1908.1	2341.3	2774.6	2388.1	2001.5	
70°		2691.9	2335.2	1978.6	2268.4	2558.2	2332.9	2107.7	
75°		2572.5	2472.3	2366.8	2365.6	2364.2	2335.5	2306.8	
80°		2412.8	2439.6	2466.5	2455.8	2445.1	2337.0	2237.4	
85°		2482.0	2278.0	2074.1	2376.7	2679.3	2405.9	2132.5	

Photometric test report

Family Apollon® 21	Order number: 51MQ18WD2414 EAN: 4058352928424	LP number 59548_43
-------------------------------------	--	-------------------------------------



Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

