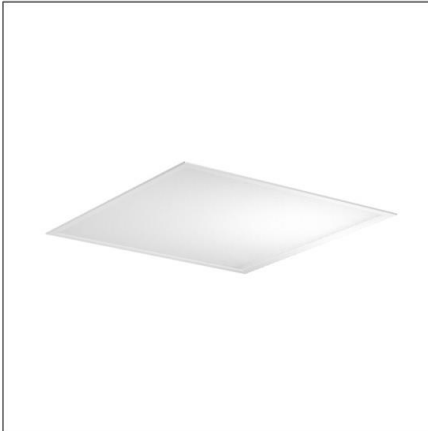


Photometric test report

Family
Apollon® 21



Order number: **51MQ12WD2414**
EAN: **4058352928240**

LP number
59548_25

Version recessed luminaire for lay-in mounting, square M600, wide distribution, UGR≤19 (L65≤3000cd/m²)
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG-DALI
Rated values Net luminous flux = 4200 lm
Power consumption = 24.7 W
Luminous efficacy = 170 lm/W

serial
documentation
29.01.2024

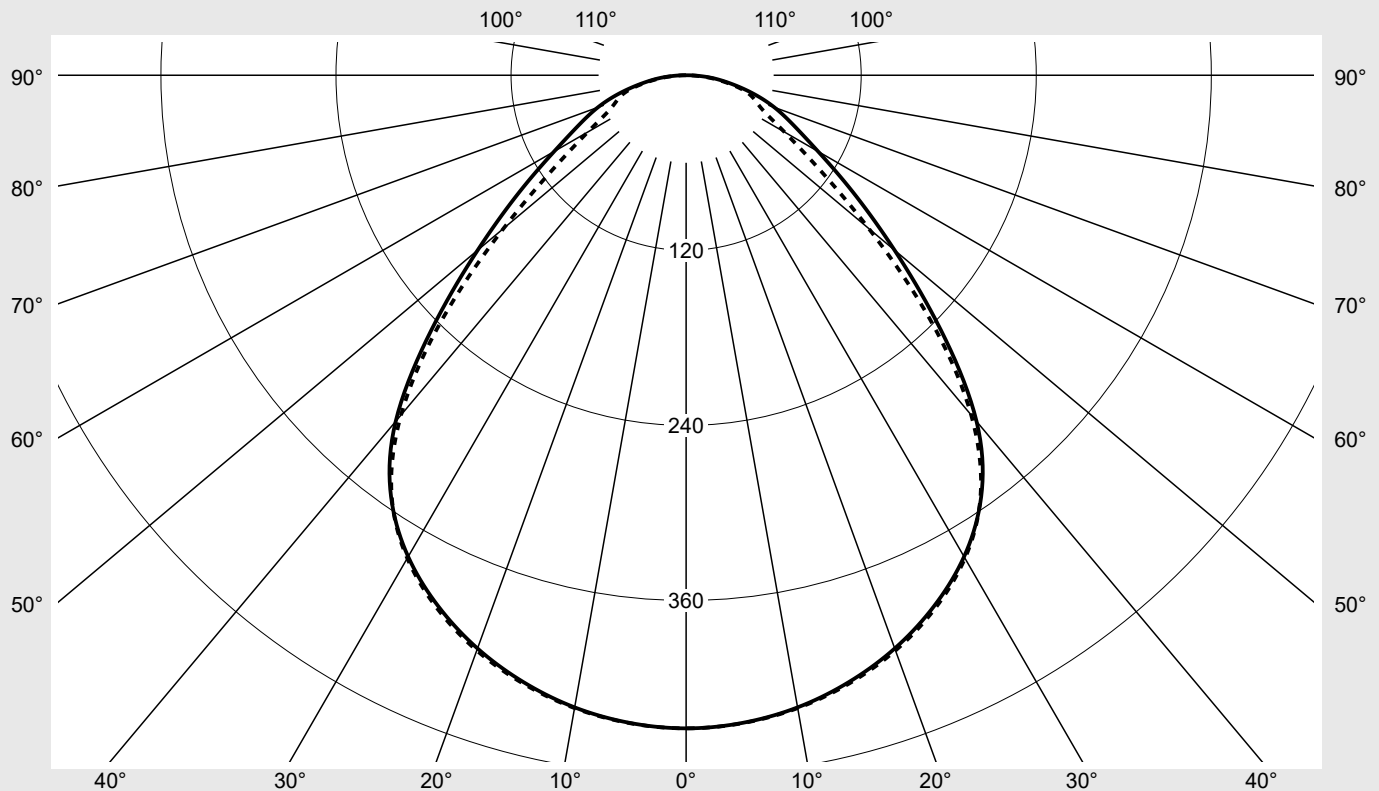
sitEco

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: 51MQ12WD2414 EAN: 4058352928240	LP number 59548_25
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: 51MQ12WD2414 EAN: 4058352928240	LP number 59548_25
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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: 51MQ12WD2414 EAN: 4058352928240	LP number 59548_25
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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

