Photometric test report

Family
Apollon® 21

Order number: 51MQ12HM2L55
EAN: 4069025336385

LP number
59880_1

serial documentation
30.10.2025

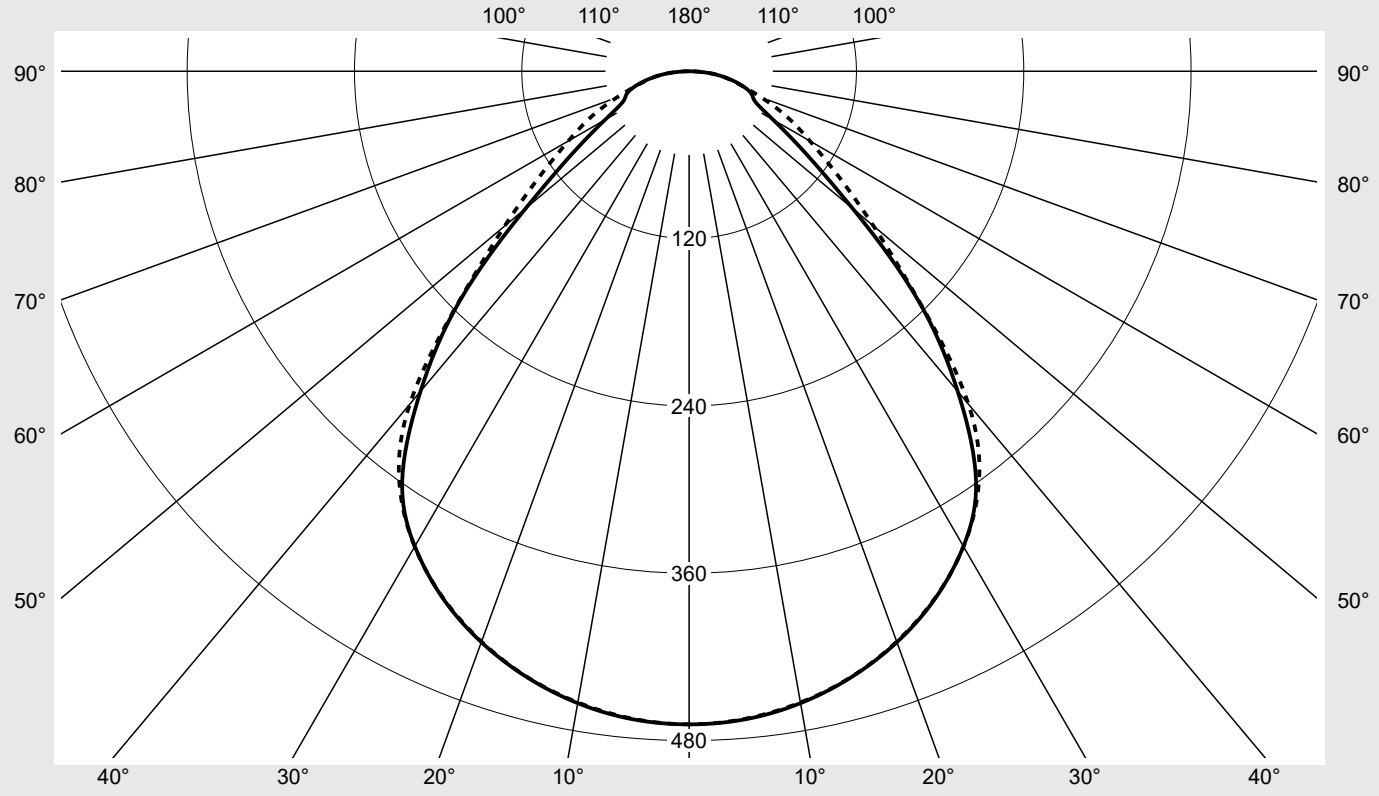
Version	recessed luminaire for lay-in mounting, square M600, wide distribution, UGR≤19 (L65≤3000cd/m²), adjustable color temperature: 3000 K | 4000 K
Lamps	LED 4000 K | CRI ≥ 90
Controlgear	ECG Multilumen
Setting	factory setting: DIP-Step=9, colour temperature 4000K
Rated values	Net luminous flux = 4780 lm Power consumption = 30.7 W Luminous efficacy = 155.7 lm/W

siteco

Luminous intensity in cd/klm

C180-0 C270-90

Imax: 468 cd/klm



Classifications

DIN 5040	A 5 0
CIE	N1=62 N2=87 N3=97 N4=100 N5=100

Luminaire light output ratios

ηLB	100.0%
ϕ_u	100.0%
ϕ_o	0.0%

Measurement conditions

DIN EN 13032 and DIN 5032

Photometric test report

Family	Order number: 51MQ12HM2L55	LP number
Apollon® 21	EAN: 4069025336385	59880_1

siteco

Table of values for luminous intensities

Maximum luminous intensity

C-planes	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm							Luminous flux in lm/klm	
0°	468.4	468.4	468.4	468.4	468.4	468.4	468.4	2.8	2.8
5°	466.5	466.3	466.1	466.0	466.0	466.0	466.1	22.3	25.1
10°	460.2	460.0	459.9	459.8	459.7	459.7	459.7	43.8	68.8
15°	449.8	449.8	449.7	449.6	449.6	449.6	449.6	63.8	132.6
20°	435.7	435.8	435.9	435.9	435.7	435.5	435.3	81.7	214.3
25°	417.4	417.4	417.4	417.4	417.3	417.2	417.1	96.7	311.0
30°	393.4	393.3	393.2	393.1	393.3	393.5	393.6	107.8	418.8
35°	358.8	359.3	359.8	360.4	360.9	361.5	362.1	113.3	532.1
40°	299.7	301.2	302.3	304.1	306.3	309.2	311.7	107.4	639.5
45°	232.3	229.8	227.3	224.9	227.7	230.5	233.4	88.7	728.2
50°	153.1	157.3	162.2	165.7	168.7	170.3	172.6	69.1	797.3
55°	101.0	108.0	116.4	121.9	126.1	127.4	130.1	53.5	850.8
60°	69.7	77.3	85.0	92.6	95.1	97.5	100.0	42.1	892.9
65°	52.7	59.7	66.8	73.8	75.1	76.4	77.6	34.5	927.4
70°	47.7	51.1	54.5	57.9	57.1	56.3	55.4	28.2	955.6
75°	39.0	40.4	41.7	43.0	41.3	39.7	38.0	21.6	977.2
80°	27.0	27.5	28.1	28.7	28.0	27.3	26.5	15.0	992.1
85°	13.5	13.6	13.7	13.7	13.9	14.1	14.3	7.5	999.7
90°	0.5	0.6	0.6	0.6	0.6	0.6	0.5	0.3	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	Order number: 51MQ12HM2L55	LP number
Apollon® 21	EAN: 4069025336385	59880_1

siteco

UGR-Table

Standard room

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	15.6	17.2	16.0	17.5	17.8	16.3	17.9	16.7	18.2	18.5
	3H	16.5	17.9	16.9	18.2	18.6	17.4	18.7	17.7	19.1	19.4
	4H	17.0	18.3	17.4	18.7	19.1	17.8	19.1	18.2	19.4	19.8
	6H	17.6	18.8	18.0	19.1	19.5	18.2	19.4	18.6	19.7	20.1
	8H	17.8	18.9	18.2	19.3	19.7	18.4	19.5	18.8	19.9	20.3
	12H	18.0	19.0	18.4	19.4	19.8	18.6	19.6	19.0	20.0	20.4
4H	2H	16.2	17.5	16.6	17.8	18.2	16.7	18.0	17.1	18.4	18.8
	3H	17.3	18.4	17.7	18.8	19.2	18.0	19.1	18.4	19.5	19.9
	4H	18.0	19.0	18.4	19.4	19.8	18.6	19.5	19.0	19.9	20.4
	6H	18.7	19.5	19.1	20.0	20.4	19.1	20.0	19.6	20.4	20.9
	8H	19.0	19.7	19.4	20.2	20.6	19.4	20.1	19.8	20.6	21.1
	12H	19.2	19.9	19.7	20.3	20.8	19.6	20.3	20.1	20.7	21.2
8H	4H	18.4	19.1	18.8	19.6	20.1	18.9	19.6	19.3	20.1	20.5
	6H	19.2	19.8	19.7	20.3	20.8	19.6	20.2	20.0	20.7	21.2
	8H	19.6	20.1	20.1	20.6	21.1	19.9	20.5	20.4	20.9	21.5
	12H	19.9	20.4	20.4	20.9	21.4	20.2	20.7	20.7	21.2	21.7
12H	4H	18.4	19.1	18.9	19.6	20.1	18.9	19.6	19.4	20.0	20.5
	6H	19.3	19.9	19.8	20.3	20.9	19.7	20.2	20.2	20.7	21.2
	8H	19.7	20.2	20.2	20.7	21.2	20.0	20.5	20.5	21.0	21.5

Luminance table

Max. for $\gamma >= 65°$

Photometric dimensions in mm: L = 552, B = 552

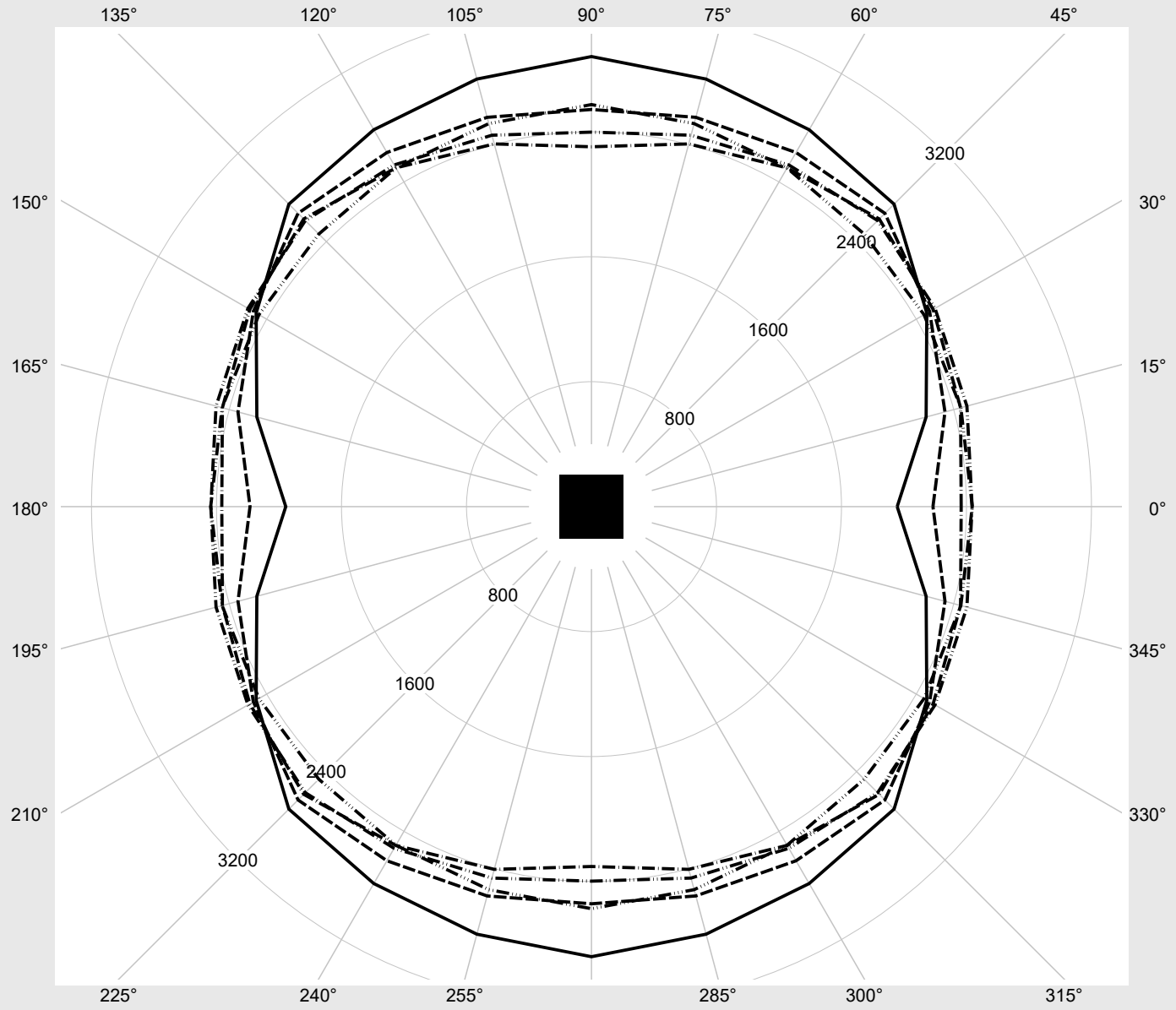
C-planes	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
γ	Luminance in cd/m²						
45°	5153.0	5098.2	5043.5	4988.7	5051.7	5114.7	5177.8
50°	3735.3	3838.5	3957.3	4044.8	4116.5	4157.0	4213.1
55°	2762.4	2953.1	3182.3	3334.4	3447.9	3484.2	3559.1
60°	2185.9	2425.8	2665.6	2905.4	2982.9	3060.3	3137.7
65°	1956.6	2217.4	2478.2	2739.0	2786.6	2834.1	2881.7
70°	2185.6	2342.4	2499.1	2655.9	2618.3	2580.6	2542.9
75°	2366.2	2445.7	2525.2	2604.8	2504.6	2404.3	2304.1
80°	2436.4	2487.7	2539.0	2590.3	2526.2	2462.0	2397.9
85°	2437.3	2447.5	2458.0	2468.2	2503.5	2539.0	2574.2

Photometric test report

Family	Order number: 51MQ12HM2L55	LP number
Apollon® 21	**EAN: 4069025336385**	**59880_1**

Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85°

siteco



Photometric test report

Family	Order number: 51MQ12HM2L55	LP number
Apollon® 21	**EAN: 4069025336385**	**59880_1**

siteco

Multilumen Table

environmental temperature: 25°C

DIP-Step	Switch Setting 1	2	3	4	Luminous flux [lm]	Power consumption [W]
15	ON	ON	ON	ON	6000	39.5
14	OFF	ON	ON	ON	5720	37.5
13	ON	OFF	ON	ON	5440	35.5
12	OFF	OFF	ON	ON	5160	33.5
10	OFF	ON	OFF	ON	4880	31.5
9	ON	OFF	OFF	ON	4780	30.7
8	OFF	OFF	OFF	ON	4500	28.7
6	OFF	ON	ON	OFF	4200	26.7
5	ON	OFF	ON	OFF	3900	24.7
4	OFF	OFF	ON	OFF	3590	22.7
2	OFF	ON	OFF	OFF	3280	20.7
1	ON	OFF	OFF	OFF	2970	18.7
0	OFF	OFF	OFF	OFF	2660	16.7