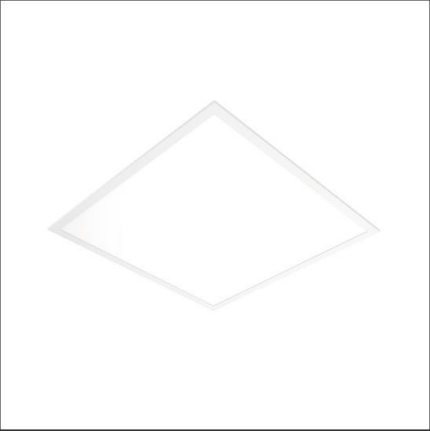
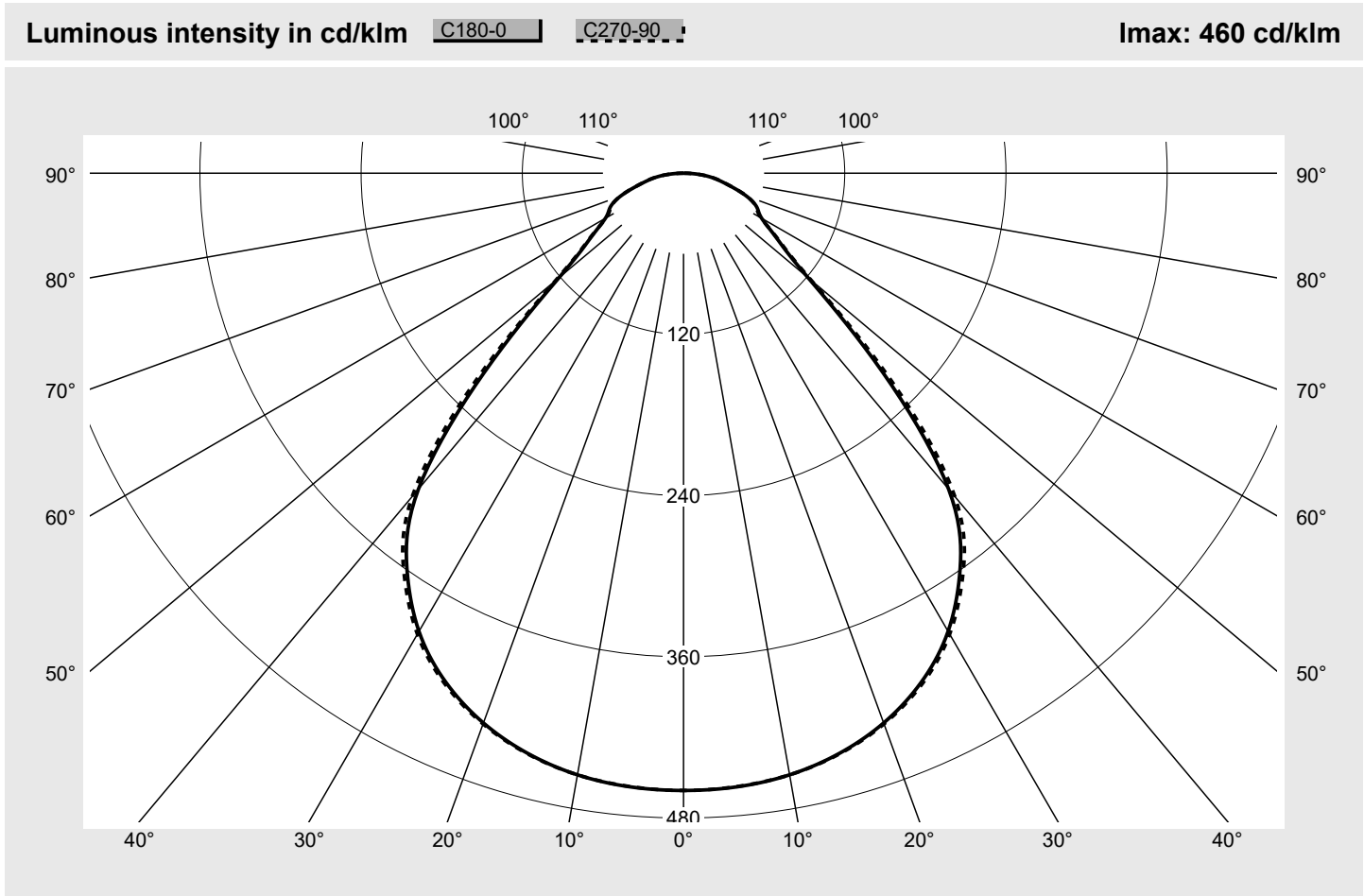


Photometric test report

Family Apollon® 41	Order number: 51MH12WM2M43 EAN: 4069025171443	LP number 59525_28
	Version	recessed luminaire for lay-in mounting, square M600, wide distribution, adjustable color temperature: 3000 K 4000 K, UGR≤19 (L65≤3000cd/m²)
	Lamps	LED 3000 K CRI ≥ 80
	Controlgear	ECG Multilumen
	Setting	individual position: DIP-Step=3
	Rated values	Net luminous flux = 4160 lm Power consumption = 35.0 W Luminous efficacy = 118.9 lm/W
		serial documentation 23.10.2024
		siteco



Classifications		Luminaire light output ratios	
DIN 5040	A 5 0	η_{LB}	100.0%
CIE	N1=61 N2=87 N3=97	ϕ_u	100.0%
	N4=100 N5=100	ϕ_o	0.0%

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family Apollon® 41	Order number: 51MH12WM2M43 EAN: 4069025171443	LP number 59525_28
Table of values for luminous intensities		Maximum luminous intensity
		siteco

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°	459.5	459.5	459.5	459.5	459.5	459.5	459.5	2.7	2.7
5°	458.5	458.6	458.6	458.5	458.4	458.4	458.3	21.9	24.7
10°	454.8	454.7	454.7	454.6	454.5	454.6	454.8	43.3	67.9
15°	447.3	447.2	447.2	447.1	447.1	447.4	447.7	63.4	131.4
20°	435.5	435.6	435.6	435.5	435.4	435.9	436.3	81.7	213.1
25°	418.3	418.2	418.1	417.9	417.9	418.8	419.8	96.9	310.0
30°	393.9	392.9	392.0	391.8	391.7	394.0	396.2	107.7	417.6
35°	359.0	358.1	357.3	357.0	356.7	359.8	362.9	112.7	530.3
40°	307.0	305.1	303.5	302.7	302.0	308.1	314.2	107.6	637.9
45°	209.9	219.5	229.2	228.5	227.9	223.6	219.4	86.8	724.7
50°	121.1	152.8	184.6	184.6	184.5	154.4	124.3	68.8	793.5
55°	85.1	114.1	143.1	142.6	142.1	114.1	86.2	55.5	849.0
60°	67.2	85.5	103.9	103.9	103.9	85.2	66.6	43.5	892.4
65°	60.3	67.1	74.0	73.7	73.5	66.6	59.7	34.4	926.8
70°	49.9	54.2	58.5	57.8	57.2	53.7	50.2	28.4	955.2
75°	35.1	40.7	46.3	45.7	45.1	40.2	35.4	22.4	977.6
80°	24.2	25.1	26.1	25.6	25.0	24.9	24.7	13.6	991.2
85°	13.0	14.1	15.3	15.2	15.1	14.0	12.9	7.9	999.1
90°	1.4	1.6	1.9	1.8	1.8	1.5	1.2	0.9	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® 41	Order number: 51MH12WM2M43 EAN: 4069025171443	LP number 59525_28
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	15.4	17.0	15.8	17.3	17.6	15.4	17.0	15.8	17.3	17.6
	3H	16.3	17.7	16.7	18.1	18.4	16.3	17.7	16.7	18.1	18.4
	4H	16.8	18.1	17.2	18.5	18.8	16.8	18.1	17.2	18.5	18.8
	6H	17.2	18.4	17.6	18.8	19.1	17.2	18.4	17.6	18.8	19.2
	8H	17.4	18.5	17.8	18.9	19.3	17.4	18.5	17.8	18.9	19.3
	12H	17.5	18.6	18.0	19.0	19.4	17.6	18.6	18.0	19.0	19.4
4H	2H	16.0	17.3	16.4	17.6	18.0	16.0	17.3	16.4	17.6	18.0
	3H	17.2	18.3	17.6	18.7	19.1	17.2	18.3	17.6	18.6	19.1
	4H	17.8	18.8	18.3	19.2	19.6	17.8	18.8	18.2	19.2	19.6
	6H	18.3	19.2	18.8	19.6	20.1	18.3	19.2	18.8	19.6	20.0
	8H	18.6	19.3	19.0	19.8	20.3	18.5	19.3	19.0	19.8	20.2
	12H	18.8	19.4	19.3	19.9	20.4	18.7	19.4	19.2	19.9	20.4
8H	4H	18.2	18.9	18.6	19.4	19.9	18.1	18.9	18.6	19.4	19.8
	6H	18.8	19.5	19.3	19.9	20.4	18.8	19.4	19.3	19.9	20.4
	8H	19.1	19.7	19.6	20.2	20.7	19.1	19.7	19.6	20.1	20.7
	12H	19.4	19.9	19.9	20.4	20.9	19.4	19.9	19.9	20.4	20.9
12H	4H	18.2	18.9	18.7	19.3	19.8	18.2	18.9	18.7	19.3	19.8
	6H	18.9	19.4	19.4	19.9	20.5	18.9	19.4	19.4	19.9	20.4
	8H	19.3	19.7	19.8	20.2	20.8	19.2	19.7	19.7	20.2	20.7

Luminance table		Max. for $\gamma \geq 65^\circ$		Photometric dimensions in mm:	L = 555 B = 555		
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°	4009.3	4193.1	4377.0	4364.8	4352.5	4271.4	4190.3
50°	2543.4	3211.4	3879.4	3878.3	3877.3	3244.6	2611.8
55°	2002.6	2685.7	3368.7	3357.1	3345.5	2687.1	2028.7
60°	1814.3	2310.0	2805.6	2805.6	2805.6	2302.0	1798.3
65°	1926.9	2145.1	2363.3	2356.5	2349.8	2128.8	1908.0
70°	1968.9	2139.1	2309.2	2283.3	2257.4	2119.0	1980.6
75°	1832.6	2125.3	2417.9	2385.2	2352.5	2099.2	1846.0
80°	1878.3	1952.8	2027.3	1987.4	1947.4	1935.9	1924.4
85°	2010.4	2190.9	2371.5	2357.7	2343.9	2174.0	2004.2

Photometric test report

Family
Apollon® 41

Order number: 51MH12WM2M43
EAN: 4069025171443

LP number
59525_28

Luminance values in cd/m²

γ 65°

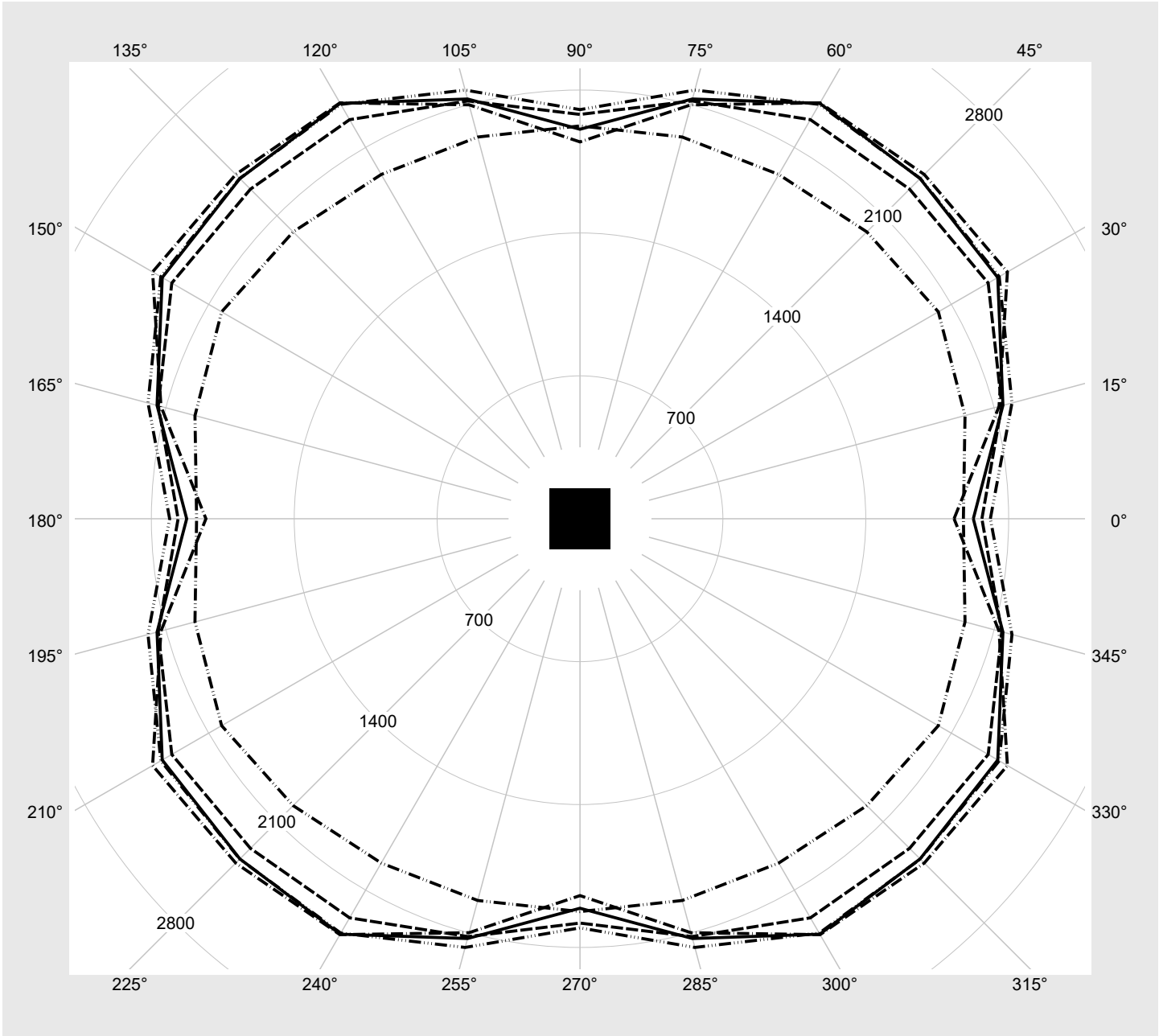
γ 70°

γ 75°

γ 80°

γ 85°

siteco



Photometric test report

Family Apollon® 41	Order number: 51MH12WM2M43 EAN: 4069025171443	LP number 59525_28
Multilumen Table	environmental temperature: 25°C	siteco

DIP-Step	Switch Setting		Luminous flux [lm]	Power consumption [W]
	1	2		
3	ON	ON	4160	35.0
2	ON	OFF	3520	28.5
1	OFF	ON	2910	23.0
0	OFF	OFF	2280	18.0