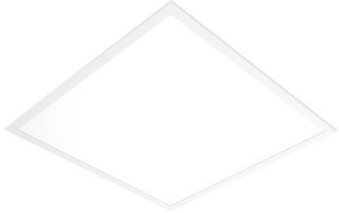


Photometric test report

Family
Apollon® 41



Order number: 51MH12WM2443
EAN: 4069025171436

Version

Lamps

Controlgear

Setting

Rated values

recessed luminaire for lay-in mounting, square M600, wide distribution, UGR≤19 (L65≤3000cd/m²)

LED 4000 K | CRI ≥ 80

ECG Multilumen

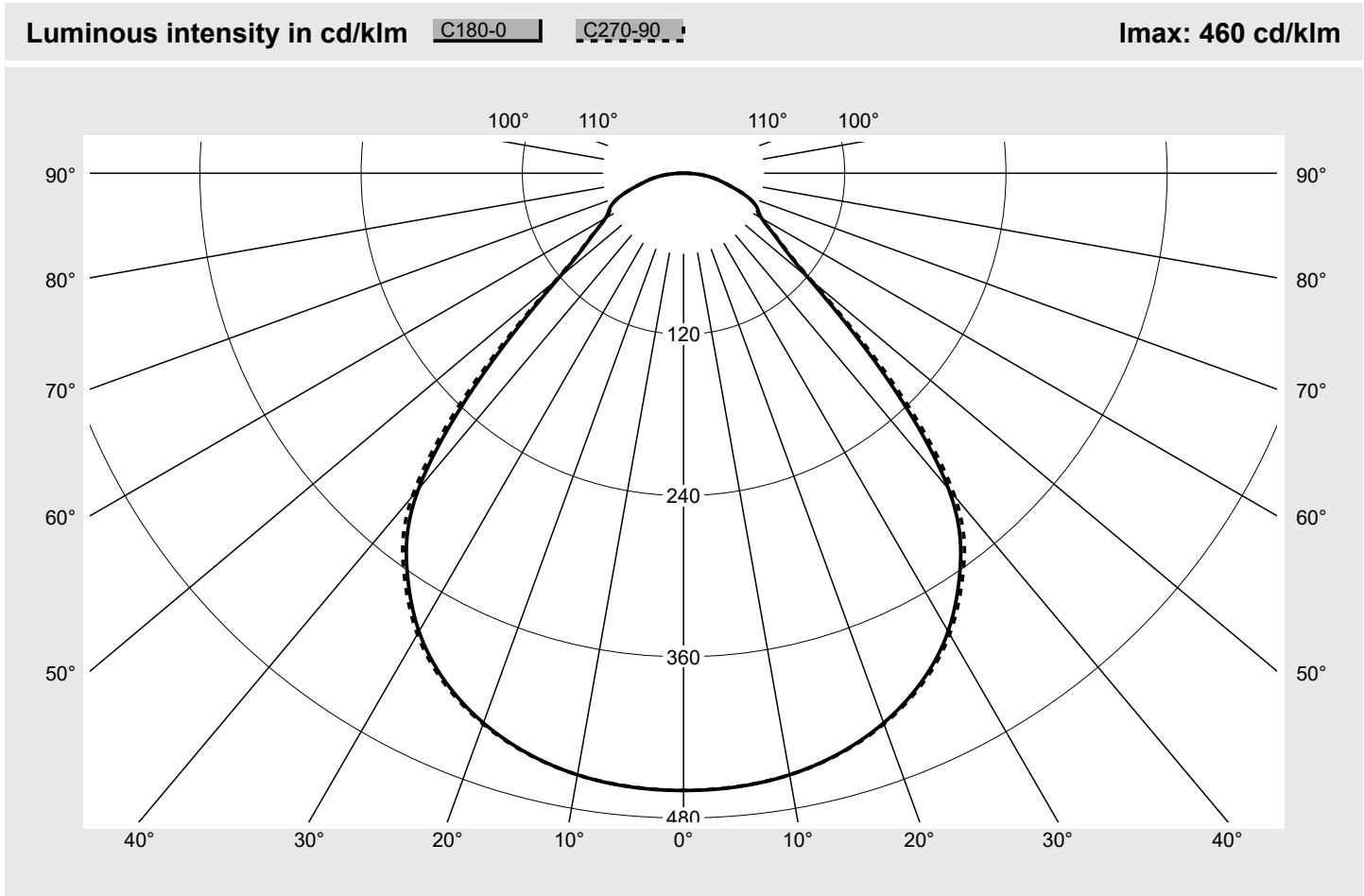
factory setting: DIP-Step=3

Net luminous flux = 4380 lm
Power consumption = 35.0 W
Luminous efficacy = 125.1 lm/W

LP number
59525_25

serial
documentation
23.10.2024

siteco



Classifications		Luminaire light output ratios	
DIN 5040	A 5 0	ηLB	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: 51MH12WM2443 EAN: 4069025171436	LP number 59525_25
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: 51MH12WM2443 EAN: 4069025171436							LP number 59525_25	
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	15.6	17.1	15.9	17.5	17.8	15.6	17.2	16.0	17.5
	3H	16.5	17.9	16.9	18.2	18.6	16.5	17.9	16.9	18.2
	4H	17.0	18.3	17.4	18.6	19.0	17.0	18.3	17.4	18.6
	6H	17.4	18.6	17.8	18.9	19.3	17.4	18.6	17.8	18.9
	8H	17.6	18.7	18.0	19.1	19.5	17.6	18.7	18.0	19.1
	12H	17.7	18.8	18.2	19.1	19.6	17.7	18.8	18.2	19.2
4H	2H	16.1	17.4	16.5	17.8	18.2	16.2	17.5	16.6	17.8
	3H	17.4	18.4	17.8	18.8	19.2	17.3	18.4	17.8	18.8
	4H	18.0	19.0	18.4	19.4	19.8	18.0	18.9	18.4	19.4
	6H	18.5	19.4	19.0	19.8	20.3	18.5	19.3	18.9	19.8
	8H	18.7	19.5	19.2	20.0	20.4	18.7	19.5	19.2	19.9
	12H	18.9	19.6	19.4	20.1	20.6	18.9	19.6	19.4	20.1
8H	4H	18.3	19.1	18.8	19.6	20.0	18.3	19.1	18.8	19.5
	6H	19.0	19.6	19.5	20.1	20.6	19.0	19.6	19.4	20.1
	8H	19.3	19.9	19.8	20.4	20.9	19.3	19.8	19.8	20.3
	12H	19.6	20.1	20.1	20.6	21.1	19.6	20.0	20.1	20.5
12H	4H	18.4	19.1	18.9	19.5	20.0	18.4	19.0	18.8	19.5
	6H	19.1	19.6	19.6	20.1	20.6	19.0	19.6	19.6	20.1
	8H	19.4	19.9	19.9	20.4	21.0	19.4	19.9	19.9	20.4

Luminance table		Max. for $\gamma \geq 65^\circ$		Photometric dimensions in mm:		L = 555 B = 555	
C-planes	γ	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°
			Luminance in cd/m²				
45° 50° 55° 60°	γ	4221.3	4414.9	4608.5	4595.6	4582.7	4497.3
		2677.9	3381.2	4084.5	4083.4	4082.3	3416.1
		2108.5	2827.7	3546.9	3534.6	3522.4	2829.2
		1910.3	2432.2	2954.0	2954.0	2954.0	2423.7
65° 70° 75° 80° 85°	γ	2028.8	2258.6	2488.3	2481.2	2474.0	2241.4
		2073.0	2252.2	2431.4	2404.1	2376.8	2231.1
		1929.5	2237.7	2545.8	2511.3	2476.9	2210.3
		1977.7	2056.1	2134.5	2092.5	2050.4	2038.3
85°	γ	2116.7	2306.8	2496.9	2482.4	2467.8	2289.0

Photometric test report

Family
Apollon® 41

Order number: 51MH12WM2443
EAN: 4069025171436

LP number
59525_25

Luminance values in cd/m²

γ 65°

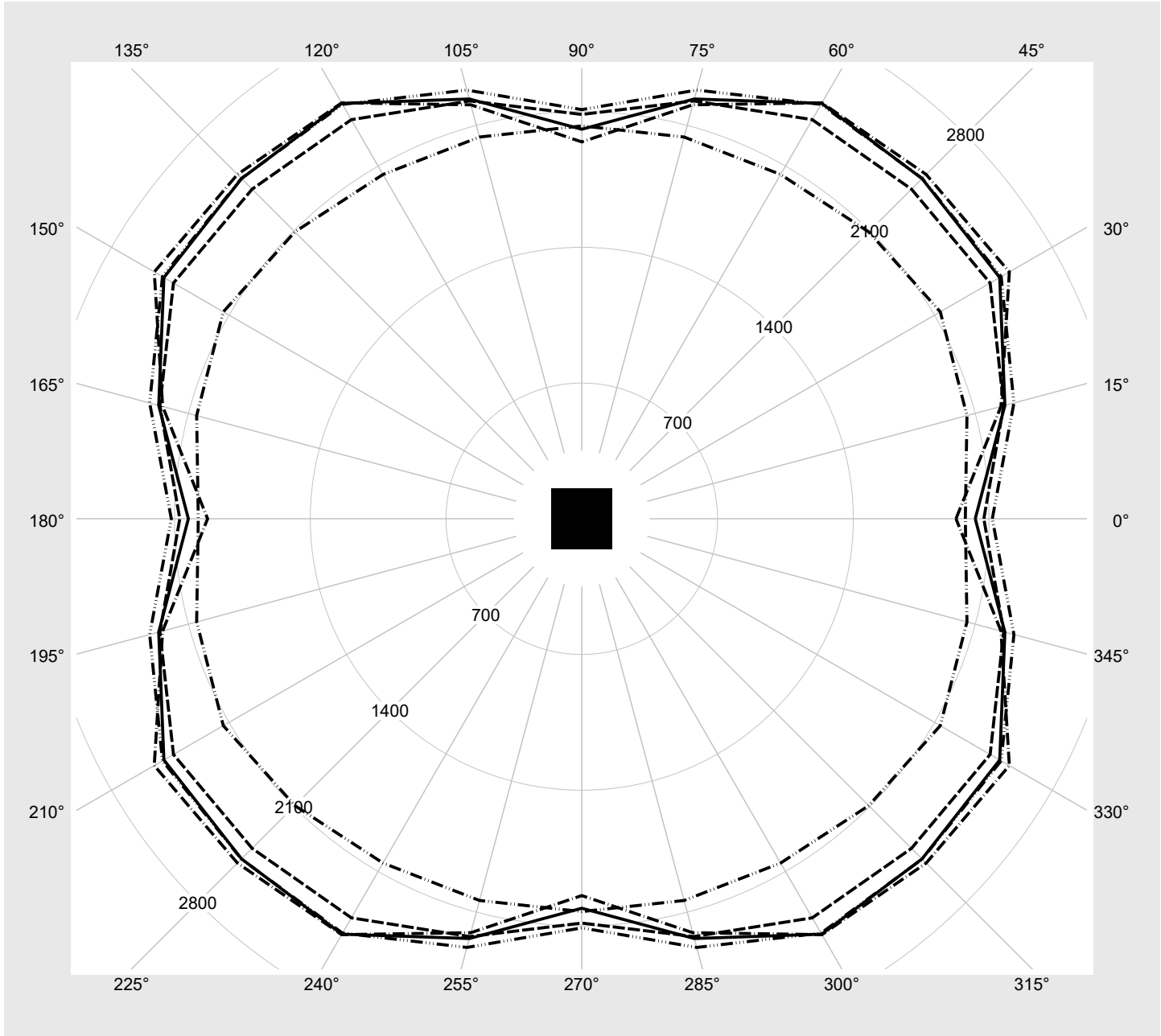
γ 70°

γ 75°

γ 80°

γ 85°

siteco



Photometric test report

Family Apollon® 41	Order number: 51MH12WM2443 EAN: 4069025171436	LP number 59525_25
Multilumen Table	environmental temperature: 25°C	siteco

DIP-Step	Switch Setting		Luminous flux [lm]	Power consumption [W]
	1	2		
3	ON	ON	4380	35.0
2	ON	OFF	3710	28.5
1	OFF	ON	3060	23.0
0	OFF	OFF	2400	18.0