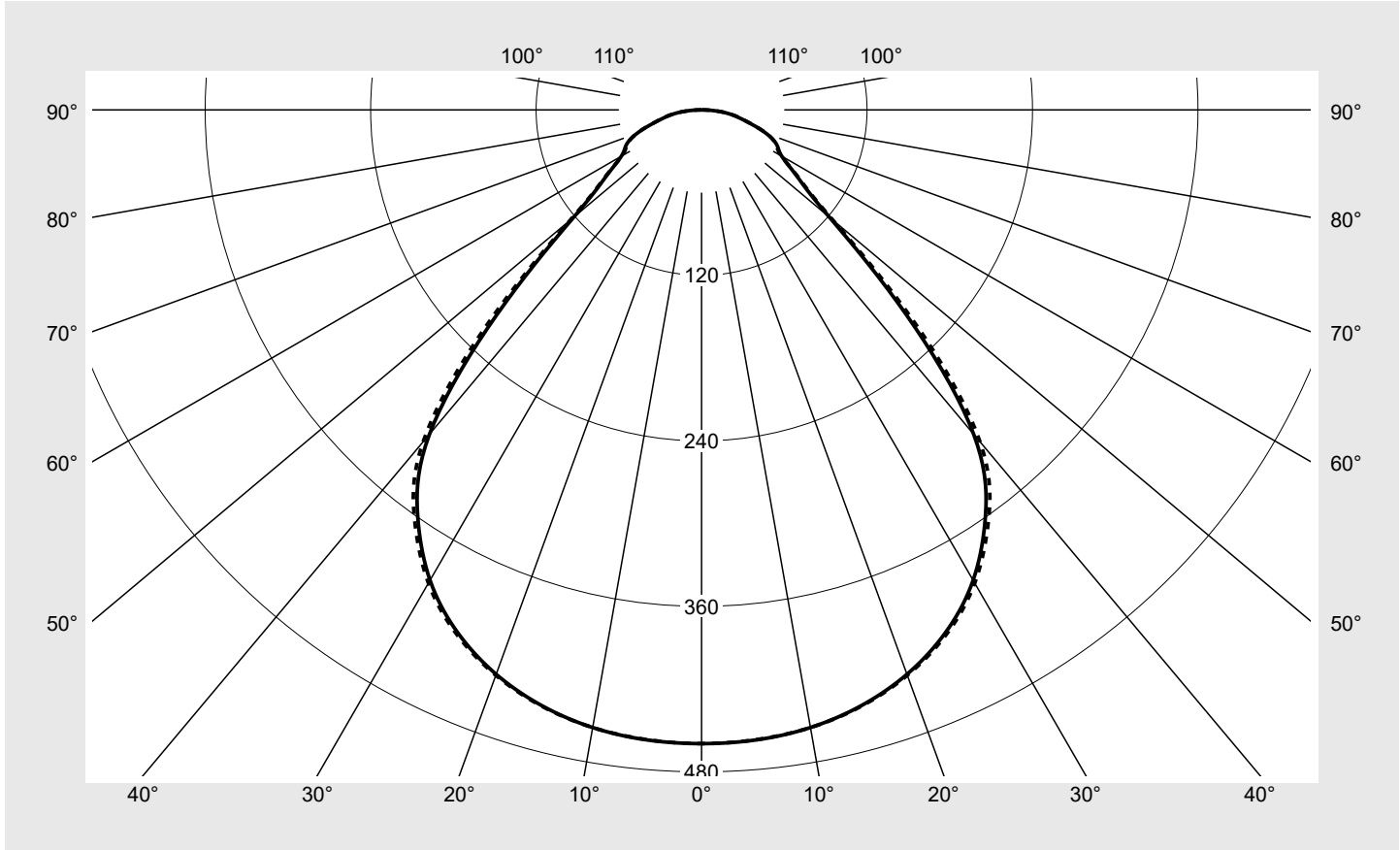


Photometric test report

Family Apollon® 41	Order number: 51MH12L72343 EAN: 4058352934609	LP number 59525_13
	Version recessed luminaire for lay-in mounting, square M600, wide distribution, UGR≤19 (L65≤3000cd/m²) Lamps LED 3000 K CRI ≥ 80 Controlgear ECG Rated values Net luminous flux = 2600 lm Power consumption = 21.5 W Luminous efficacy = 120.9 lm/W	serial documentation 20.12.2023

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 460 cd/klm**



Classifications	
DIN 5040	A 5 0
CIE	N1=61 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® 41	Order number: 51MH12L72343 EAN: 4058352934609	LP number 59525_13
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°	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: 51MH12L72343 EAN: 4058352934609	LP number 59525_13
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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	13.8	15.3	14.1	15.6	16.0	13.8	15.3	14.2	15.7	16.0
	3H	14.7	16.1	15.1	16.4	16.8	14.7	16.1	15.1	16.4	16.8
	4H	15.2	16.5	15.6	16.8	17.2	15.2	16.5	15.6	16.8	17.2
	6H	15.6	16.8	16.0	17.1	17.5	15.6	16.8	16.0	17.1	17.5
	8H	15.8	16.9	16.2	17.2	17.7	15.8	16.9	16.2	17.3	17.7
	12H	15.9	16.9	16.3	17.3	17.8	15.9	17.0	16.4	17.3	17.8
4H	2H	14.3	15.6	14.7	16.0	16.4	14.3	15.6	14.7	16.0	16.4
	3H	15.5	16.6	16.0	17.0	17.4	15.5	16.6	15.9	17.0	17.4
	4H	16.2	17.2	16.6	17.6	18.0	16.2	17.1	16.6	17.5	18.0
	6H	16.7	17.6	17.2	18.0	18.4	16.7	17.5	17.1	18.0	18.4
	8H	16.9	17.7	17.4	18.1	18.6	16.9	17.7	17.4	18.1	18.6
	12H	17.1	17.8	17.6	18.3	18.8	17.1	17.8	17.6	18.3	18.7
8H	4H	16.5	17.3	17.0	17.8	18.2	16.5	17.3	17.0	17.7	18.2
	6H	17.2	17.8	17.7	18.3	18.8	17.1	17.8	17.6	18.3	18.8
	8H	17.5	18.1	18.0	18.5	19.1	17.5	18.0	18.0	18.5	19.0
	12H	17.8	18.3	18.3	18.8	19.3	17.8	18.2	18.3	18.7	19.3
12H	4H	16.6	17.3	17.1	17.7	18.2	16.6	17.2	17.0	17.7	18.2
	6H	17.3	17.8	17.8	18.3	18.8	17.2	17.8	17.7	18.3	18.8
	8H	17.6	18.1	18.1	18.6	19.1	17.6	18.1	18.1	18.6	19.1

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 555 B = 555
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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°		2505.8	2620.7	2735.6	2728.0	2720.3	2669.6	2618.9	
50°		1589.6	2007.1	2424.6	2423.9	2423.3	2027.8	1632.4	
55°		1251.6	1678.5	2105.4	2098.2	2090.9	1679.4	1267.9	
60°		1133.9	1443.7	1753.5	1753.5	1753.5	1438.7	1124.0	
65°		1204.3	1340.7	1477.1	1472.8	1468.6	1330.5	1192.5	
70°		1230.6	1336.9	1443.3	1427.1	1410.9	1324.4	1237.9	
75°		1145.4	1328.3	1511.2	1490.7	1470.3	1312.0	1153.8	
80°		1174.0	1220.5	1267.0	1242.1	1217.1	1209.9	1202.7	
85°		1256.5	1369.3	1482.2	1473.5	1464.9	1358.8	1252.6	

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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

siteco

