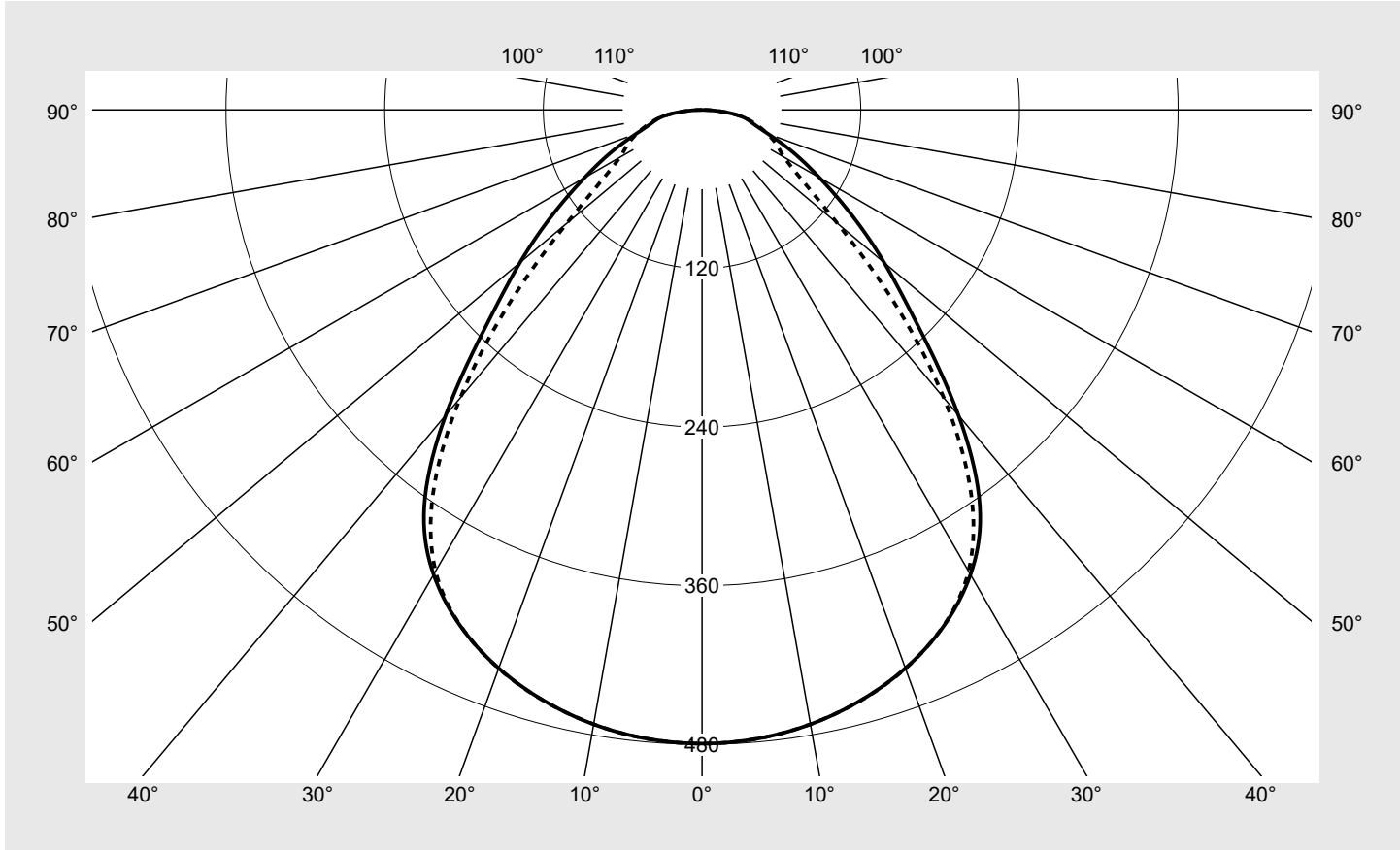


Photometric test report

Family Apollon® 41	Order number: 51MH12WD2422 EAN: 4058352450345	LP number 59038_5
	Version micro prismatic cover, wide distribution, UGR≤19 (L65≤3000cd/m²)	serial documentation 08.04.2021
	Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 3700 lm Power consumption = 35.0 W Luminous efficacy = 105.7 lm/W	

Luminous intensity in cd/klm C180-0 C270-90 Imax: 479 cd/klm



Classifications	
DIN 5040	A 5 0
CIE	N1=63 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: 51MH12WD2422 EAN: 4058352450345	LP number 59038_5
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°	479.5	479.5	479.5	479.5	479.5	479.5	479.5	2.9	2.9
5°	477.5	477.5	477.5	477.5	477.4	477.5	477.6	22.8	25.7
10°	472.0	472.0	471.9	471.9	471.8	471.9	471.9	44.9	70.6
15°	462.6	462.7	462.7	462.7	462.6	462.7	462.8	65.6	136.2
20°	449.5	449.7	449.8	449.7	449.5	449.6	449.7	84.3	220.5
25°	431.5	431.5	431.6	431.4	431.3	431.2	431.2	99.9	320.5
30°	406.0	405.2	404.5	404.7	404.8	403.9	403.0	110.9	431.4
35°	366.3	363.2	360.1	360.8	361.5	358.1	354.7	113.4	544.8
40°	301.6	296.4	291.3	292.5	293.7	289.0	284.4	103.1	647.9
45°	230.9	219.8	208.8	217.6	226.5	215.4	204.4	84.3	732.2
50°	179.8	157.7	135.5	157.1	178.6	156.1	133.5	65.9	798.1
55°	137.5	115.3	93.1	115.6	138.1	115.1	92.1	51.8	849.9
60°	102.5	86.5	70.4	86.2	102.0	86.9	71.8	41.1	891.0
65°	75.8	68.6	61.4	67.1	72.7	67.4	62.2	33.6	924.6
70°	53.2	53.2	53.2	52.8	52.4	52.4	52.4	27.2	951.8
75°	39.9	40.9	42.0	41.9	41.9	42.0	42.1	22.0	973.8
80°	31.3	30.7	30.2	31.0	31.8	31.5	31.3	16.8	990.6
85°	15.5	15.3	15.1	15.4	15.7	15.9	16.0	8.5	999.1
90°	1.3	1.4	1.4	1.7	1.9	2.0	2.1	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: 51MH12WD2422 EAN: 4058352450345	LP number 59038_5
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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	14.9	16.4	15.2	16.7	17.1	14.9	16.5	15.3	16.8	17.1
	3H	15.9	17.3	16.3	17.6	18.0	15.9	17.3	16.3	17.6	18.0
	4H	16.4	17.7	16.8	18.1	18.5	16.4	17.7	16.8	18.1	18.5
	6H	17.0	18.2	17.4	18.6	19.0	17.0	18.2	17.5	18.6	19.0
	8H	17.3	18.4	17.8	18.8	19.2	17.4	18.4	17.8	18.8	19.2
	12H	17.5	18.5	18.0	18.9	19.4	17.6	18.6	18.0	19.0	19.4
4H	2H	15.3	16.6	15.7	16.9	17.3	15.3	16.6	15.7	17.0	17.3
	3H	16.6	17.7	17.0	18.1	18.5	16.5	17.6	17.0	18.0	18.4
	4H	17.3	18.2	17.7	18.6	19.1	17.3	18.2	17.7	18.6	19.1
	6H	18.0	18.9	18.5	19.3	19.8	18.1	18.9	18.5	19.3	19.8
	8H	18.4	19.1	18.8	19.6	20.1	18.4	19.2	18.9	19.6	20.1
	12H	18.7	19.3	19.1	19.8	20.3	18.7	19.4	19.2	19.8	20.3
8H	4H	17.6	18.4	18.1	18.8	19.3	17.6	18.4	18.1	18.8	19.3
	6H	18.5	19.2	19.0	19.6	20.1	18.6	19.2	19.1	19.7	20.2
	8H	19.0	19.5	19.5	20.0	20.5	19.0	19.6	19.5	20.1	20.6
	12H	19.4	19.8	19.9	20.3	20.9	19.4	19.9	20.0	20.4	20.9
12H	4H	17.7	18.4	18.2	18.8	19.3	17.7	18.3	18.2	18.8	19.3
	6H	18.7	19.2	19.2	19.7	20.2	18.7	19.3	19.2	19.7	20.3
	8H	19.2	19.6	19.7	20.1	20.7	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
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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°		3922.2	3734.4	3546.3	3696.8	3847.3	3659.6	3471.9	
50°		3360.0	2946.4	2533.1	2935.4	3337.9	2916.9	2495.7	
55°		2880.4	2414.6	1948.9	2420.7	2892.5	2410.7	1928.8	
60°		2463.4	2077.6	1691.8	2070.6	2449.5	2087.4	1725.4	
65°		2155.3	1950.7	1745.7	1906.0	2066.3	1916.8	1767.0	
70°		1868.8	1867.7	1866.7	1852.6	1838.9	1839.6	1840.7	
75°		1851.3	1899.6	1947.4	1946.5	1945.1	1948.8	1952.0	
80°		2164.5	2125.0	2085.6	2141.6	2197.0	2179.7	2162.4	
85°		2133.5	2108.7	2083.9	2122.5	2161.1	2185.9	2210.7	

Photometric test report

Family Apollon® 41	Order number: 51MH12WD2422 EAN: 4058352450345	LP number 59038_5
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Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85°

