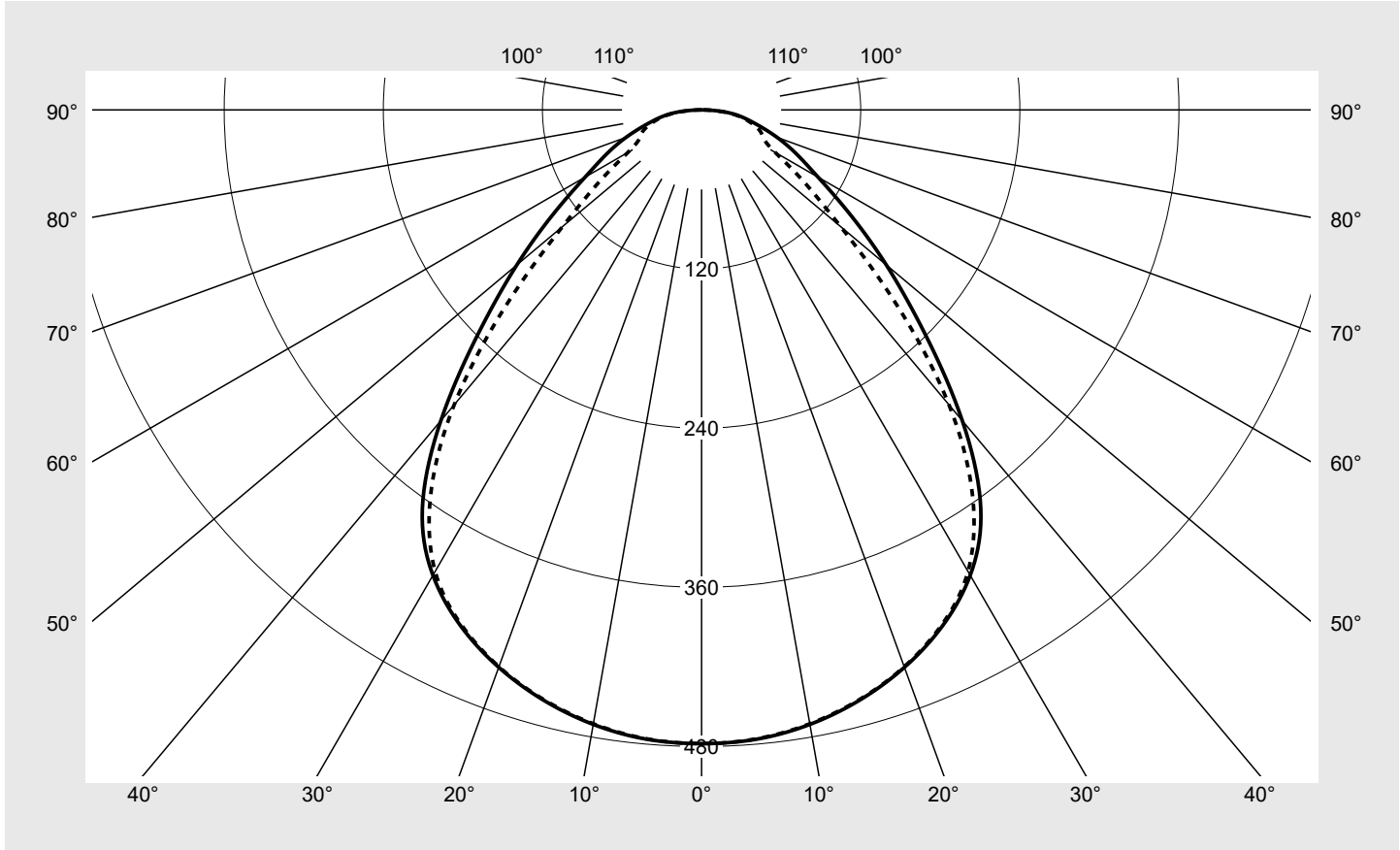


Photometric test report

Family Apollon® 41	Order number: 51MH12H72422 EAN: 4058352396810	LP number 59035_1
	Version micro prismatic cover, wide distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG Rated values Net luminous flux = 5250 lm Power consumption = 50.0 W Luminous efficacy = 105 lm/W	serial documentation 22.06.2020



Luminous intensity in cd/klm C180-0 C270-90 **Imax: 478 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: 51MH12H72422 EAN: 4058352396810	LP number 59035_1
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°	477.8	477.8	477.8	477.8	477.8	477.8	477.8	2.9	2.9
5°	476.3	476.3	476.4	476.1	475.8	475.9	476.0	22.7	25.6
10°	470.5	470.5	470.5	470.2	469.9	470.0	470.0	44.8	70.4
15°	460.7	460.7	460.7	460.5	460.2	460.2	460.3	65.3	135.7
20°	447.3	447.3	447.3	446.9	446.5	446.6	446.8	83.8	219.5
25°	429.5	429.4	429.3	428.9	428.5	428.5	428.5	99.4	318.8
30°	405.2	404.3	403.4	403.4	403.3	402.6	401.9	110.6	429.4
35°	367.1	364.5	361.8	362.4	362.9	359.7	356.5	113.9	543.3
40°	305.9	301.9	297.9	297.4	296.9	293.6	290.2	104.9	648.1
45°	237.7	227.4	217.1	222.5	227.9	218.2	208.6	86.3	734.5
50°	181.9	163.0	144.0	160.5	177.0	156.9	136.9	67.2	801.7
55°	136.0	116.2	96.5	115.8	135.1	114.4	93.7	51.8	853.5
60°	101.4	83.6	65.8	83.7	101.6	82.9	64.2	39.6	893.1
65°	79.3	65.0	50.7	64.5	78.3	65.1	51.8	32.2	925.3
70°	60.6	53.3	46.0	51.8	57.7	52.4	47.1	27.0	952.4
75°	43.7	41.7	39.7	40.6	41.4	40.3	39.2	21.6	974.0
80°	31.0	30.2	29.5	30.4	31.2	30.4	29.6	16.4	990.4
85°	17.2	16.4	15.5	16.0	16.5	16.3	16.0	8.8	999.2
90°	1.6	1.5	1.5	1.5	1.4	1.2	1.1	0.8	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: 51MH12H72422 EAN: 4058352396810	LP number 59035_1
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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	16.1	17.7	16.5	18.0	18.3	16.1	17.7	16.5	18.0	18.3
	3H	17.2	18.6	17.6	18.9	19.3	17.0	18.4	17.4	18.7	19.1
	4H	17.8	19.1	18.2	19.4	19.8	17.5	18.8	17.9	19.1	19.5
	6H	18.4	19.5	18.8	19.9	20.3	18.1	19.2	18.5	19.6	20.0
	8H	18.7	19.7	19.1	20.1	20.5	18.4	19.5	18.8	19.8	20.2
	12H	18.9	19.9	19.3	20.3	20.7	18.6	19.6	19.0	20.0	20.4
4H	2H	16.5	17.8	16.9	18.1	18.5	16.5	17.8	16.9	18.2	18.5
	3H	17.7	18.8	18.2	19.2	19.6	17.7	18.8	18.1	19.2	19.6
	4H	18.5	19.4	18.9	19.9	20.3	18.4	19.4	18.8	19.8	20.2
	6H	19.2	20.1	19.7	20.5	21.0	19.1	20.0	19.6	20.4	20.9
	8H	19.6	20.4	20.1	20.8	21.3	19.5	20.3	20.0	20.7	21.2
	12H	19.9	20.6	20.4	21.0	21.5	19.8	20.5	20.3	20.9	21.4
8H	4H	18.8	19.6	19.3	20.0	20.5	18.7	19.5	19.2	19.9	20.4
	6H	19.7	20.4	20.2	20.8	21.3	19.7	20.3	20.1	20.8	21.3
	8H	20.2	20.7	20.7	21.2	21.7	20.1	20.7	20.6	21.2	21.7
	12H	20.6	21.1	21.1	21.6	22.1	20.5	21.0	21.0	21.5	22.0
12H	4H	18.9	19.5	19.4	20.0	20.5	18.8	19.5	19.3	19.9	20.4
	6H	19.9	20.4	20.4	20.9	21.4	19.8	20.3	20.3	20.8	21.3
	8H	20.3	20.8	20.9	21.3	21.9	20.3	20.8	20.8	21.3	21.8

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°	5730.5	5481.2	5232.0	5362.4	5492.8	5260.2	5027.4		
50°	4821.9	4320.8	3819.3	4255.5	4692.0	4160.6	3629.2		
55°	4039.8	3452.9	2866.1	3439.6	4013.1	3398.6	2784.0		
60°	3457.9	2850.8	2243.7	2853.2	3462.7	2824.9	2186.8		
65°	3198.1	2621.4	2044.3	2602.1	3159.4	2624.7	2089.5		
70°	3021.4	2656.1	2290.3	2582.9	2874.9	2611.8	2348.2		
75°	2874.5	2743.4	2613.1	2671.0	2729.0	2653.9	2579.5		
80°	3039.8	2966.2	2892.6	2978.9	3064.3	2984.8	2904.3		
85°	3367.5	3199.3	3031.2	3128.9	3226.7	3177.8	3128.9		

Photometric test report

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Luminance values in cd/m²

γ 65°	γ 70°	γ 75°	γ 80°	γ 85°
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