

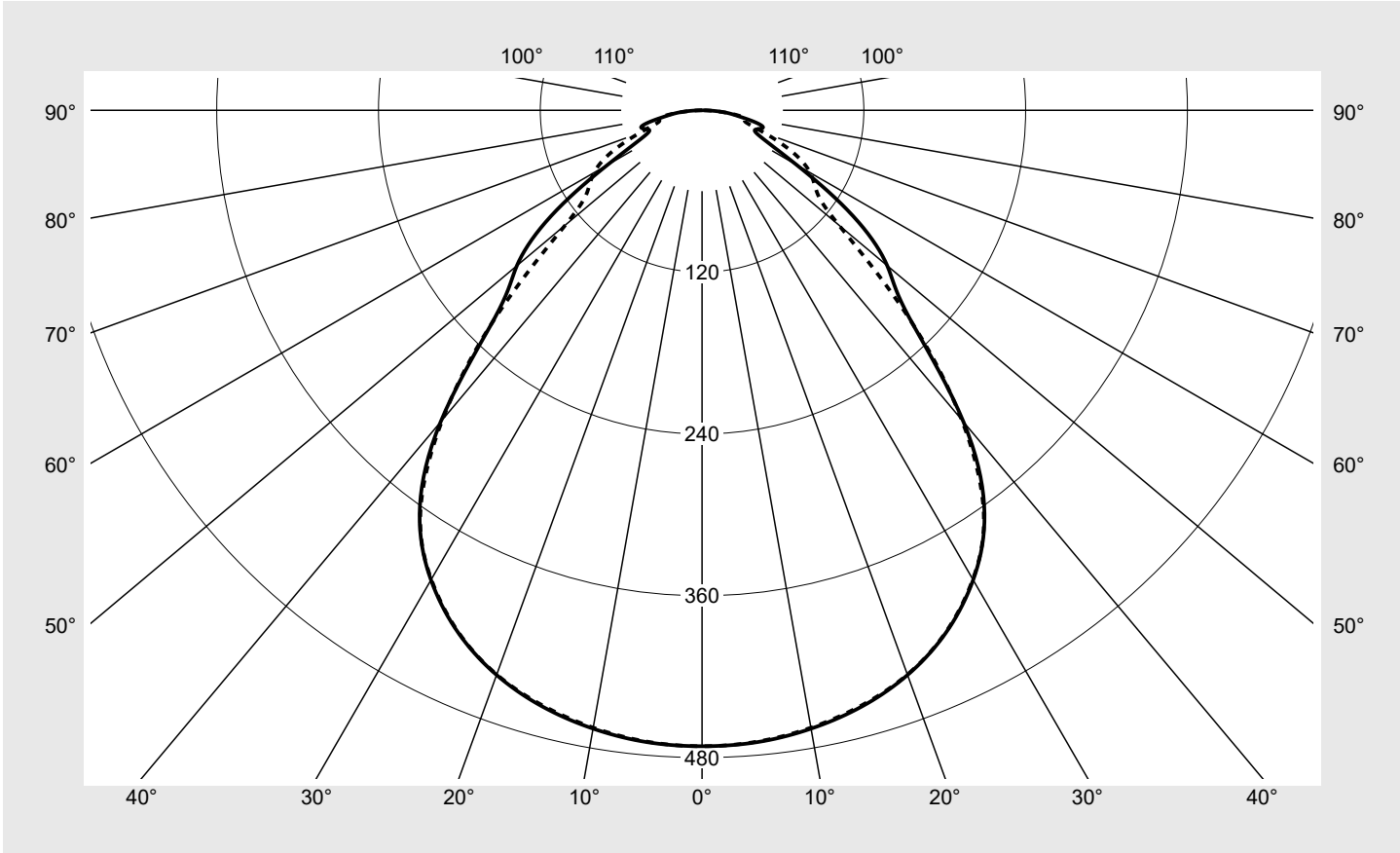


Photometric test report

Family Apollon® 31	Order number: 51MP11WD2N42 EAN: 4058352926246	LP number 59515_7
	Version	recessed luminaire for lay-in mounting, square M625, wide distribution, adjustable color temperature: 4000 K 5000 K, UGR≤19 (L65≤3000cd/m²)
	Lamps	LED 4000 K CRI ≥ 80
	Controlgear	ECG-DALI
	Setting	factory setting: colour temperature 4000K
	Rated values	Net luminous flux = 4000 lm Power consumption = 27.5 W Luminous efficacy = 145.5 lm/W
		serial documentation 11.12.2023
		

Luminous intensity in cd/klm C180-0 C270-90 Imax: 472 cd/klm



Classifications	
DIN 5040	A 5 0
CIE	N1=62 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

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Table of values for luminous intensities		Maximum luminous intensity
siteco		

C-planes	0°	15° 345°	30° 330°	45° 315°	60° 300°	75° 285°	90° 270°
γ	Luminous intensity in cd/klm						
0°	471.6	471.6	471.6	471.6	471.6	471.6	471.6
5°	470.4	470.1	470.0	470.0	470.0	470.0	470.0
10°	465.6	465.5	465.4	465.1	464.9	464.9	464.9
15°	457.8	457.8	457.6	457.3	456.9	456.8	456.9
20°	445.6	445.7	445.5	445.2	444.7	444.8	445.3
25°	427.7	427.4	427.2	427.1	427.0	427.1	427.3
30°	402.2	401.5	401.3	401.5	401.8	401.9	401.7
35°	365.2	363.5	363.1	364.0	365.5	365.6	364.2
40°	301.7	296.3	295.4	298.8	303.9	304.2	299.6
45°	217.2	205.7	202.8	208.5	217.9	220.2	215.3
50°	179.3	148.1	140.0	155.1	174.5	166.9	132.3
55°	136.8	115.8	111.1	122.8	136.2	129.8	103.4
60°	80.9	88.5	94.7	99.8	96.1	93.7	92.6
65°	49.9	65.2	73.8	75.8	65.2	64.9	74.8
70°	42.0	48.7	53.4	56.3	50.4	48.2	49.6
75°	46.6	41.4	40.0	42.4	43.7	40.7	33.3
80°	29.9	29.2	28.2	26.9	28.8	30.4	31.5
85°	16.1	14.8	14.1	14.0	15.0	15.3	15.1
90°	0.5	0.5	0.4	0.4	0.4	0.3	0.3
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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Family Apollon® 31	Order number: 51MP11WD2N42 EAN: 4058352926246	LP number 59515_7
Table of values for luminous intensities		Maximum luminous intensity
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C-planes	105° 255°	120° 240°	135° 225°	150° 210°	165° 195°	180°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm						Luminous flux in lm/klm	
0°	471.6	471.6	471.6	471.6	471.6	471.6	2.8	2.8
5°	470.0	470.0	470.0	470.0	470.1	470.4	22.5	25.3
10°	464.9	464.9	465.1	465.4	465.5	465.6	44.3	69.6
15°	456.8	456.9	457.3	457.6	457.8	457.8	64.9	134.4
20°	444.8	444.7	445.2	445.5	445.7	445.6	83.5	217.9
25°	427.1	427.0	427.1	427.2	427.4	427.7	99.0	316.9
30°	401.9	401.8	401.5	401.3	401.5	402.2	110.1	426.9
35°	365.6	365.5	364.0	363.1	363.5	365.2	114.6	541.5
40°	304.2	303.9	298.8	295.4	296.3	301.7	105.7	647.2
45°	220.2	217.9	208.5	202.8	205.7	217.2	82.1	729.3
50°	166.9	174.5	155.1	140.0	148.1	179.3	65.8	795.1
55°	129.8	136.2	122.8	111.1	115.8	136.8	55.1	850.2
60°	93.7	96.1	99.8	94.7	88.5	80.9	44.3	894.4
65°	64.9	65.2	75.8	73.8	65.2	49.9	33.7	928.2
70°	48.2	50.4	56.3	53.4	48.7	42.0	26.0	954.1
75°	40.7	43.7	42.4	40.0	41.4	46.6	21.9	976.0
80°	30.4	28.8	26.9	28.2	29.2	29.9	15.7	991.7
85°	15.3	15.0	14.0	14.1	14.8	16.1	8.1	999.8
90°	0.3	0.4	0.4	0.4	0.5	0.5	0.2	1000.0
95°	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	1000.0
105°	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	1000.0
115°	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	1000.0
125°	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	1000.0
135°	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	1000.0
145°	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	1000.0
155°	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	1000.0
165°	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	1000.0
175°	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	1000.0

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Family Apollon® 31	Order number: 51MP11WD2N42 EAN: 4058352926246	LP number 59515_7
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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	15.2	16.7	15.5	17.0	17.4	15.4	17.0	15.8	17.3	17.6
	3H	16.0	17.3	16.3	17.7	18.0	16.3	17.6	16.6	18.0	18.3
	4H	16.6	17.9	17.0	18.2	18.6	16.7	18.0	17.1	18.3	18.7
	6H	17.2	18.4	17.6	18.7	19.1	17.2	18.4	17.6	18.8	19.2
	8H	17.4	18.6	17.9	18.9	19.3	17.5	18.6	17.9	19.0	19.4
	12H	17.7	18.7	18.1	19.1	19.5	17.7	18.8	18.2	19.2	19.6
4H	2H	15.7	17.0	16.1	17.4	17.7	15.9	17.2	16.3	17.5	17.9
	3H	16.7	17.8	17.2	18.2	18.6	16.9	18.0	17.4	18.4	18.8
	4H	17.5	18.5	17.9	18.9	19.3	17.6	18.5	18.0	18.9	19.4
	6H	18.2	19.1	18.7	19.5	20.0	18.3	19.1	18.7	19.6	20.0
	8H	18.6	19.3	19.0	19.8	20.2	18.6	19.4	19.1	19.8	20.3
	12H	18.9	19.5	19.3	20.0	20.5	18.9	19.6	19.4	20.0	20.5
8H	4H	17.8	18.6	18.3	19.0	19.5	17.9	18.6	18.3	19.1	19.6
	6H	18.7	19.3	19.2	19.8	20.3	18.8	19.4	19.2	19.9	20.4
	8H	19.1	19.7	19.6	20.2	20.7	19.2	19.8	19.7	20.3	20.8
	12H	19.5	20.0	20.0	20.5	21.0	19.6	20.1	20.1	20.6	21.1
12H	4H	17.9	18.5	18.3	19.0	19.5	17.9	18.6	18.4	19.1	19.6
	6H	18.8	19.4	19.3	19.8	20.4	18.9	19.4	19.4	19.9	20.4
	8H	19.3	19.7	19.8	20.2	20.8	19.4	19.8	19.9	20.3	20.9

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 555 B = 555
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C-planes	0°	15° 345°	30° 330°	45° 315°	60° 300°	75° 285°	90° 270°	105° 255°	120° 240°	135° 225°	150° 210°	165° 195°	180°
γ	Luminance in cd/m ²												
45°	3988.1	3777.2	3724.1	3828.7	4002.6	4044.6	3954.9	4044.6	4002.6	3828.7	3724.1	3777.2	3988.1
50°	3622.3	2991.9	2829.0	3133.7	3525.9	3372.2	2672.6	3372.2	3525.9	3133.7	2829.0	2991.9	3622.3
55°	3096.6	2620.9	2515.6	2780.7	3084.2	2937.7	2341.2	2937.7	3084.2	2780.7	2515.6	2620.9	3096.6
60°	2102.3	2297.3	2460.4	2591.7	2496.9	2434.5	2404.5	2434.5	2496.9	2591.7	2460.4	2297.3	2102.3
65°	1532.6	2001.9	2267.5	2329.4	2003.2	1993.0	2298.9	1993.0	2003.2	2329.4	2267.5	2001.9	1532.6
70°	1595.6	1847.2	2027.8	2137.4	1914.0	1829.3	1883.3	1829.3	1914.0	2137.4	2027.8	1847.2	1595.6
75°	2335.6	2076.8	2006.7	2125.3	2194.1	2042.4	1670.3	2042.4	2194.1	2125.3	2006.7	2076.8	2335.6
80°	2234.9	2181.1	2106.8	2012.1	2156.5	2269.9	2352.2	2269.9	2156.5	2012.1	2106.8	2181.1	2234.9
85°	2395.0	2198.8	2098.0	2092.1	2230.3	2281.3	2245.2	2281.3	2230.3	2092.1	2098.0	2198.8	2395.0

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Family
Apollon® 31

Order number: 51MP11WD2N42
EAN: 4058352926246

LP number
59515_7

Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

