Photometric test report

Family
Apollon® 31



Order number: 51MP11WD2K43
EAN: 4069025542922

LP number
59818_210

serial documentation
02.07.2026

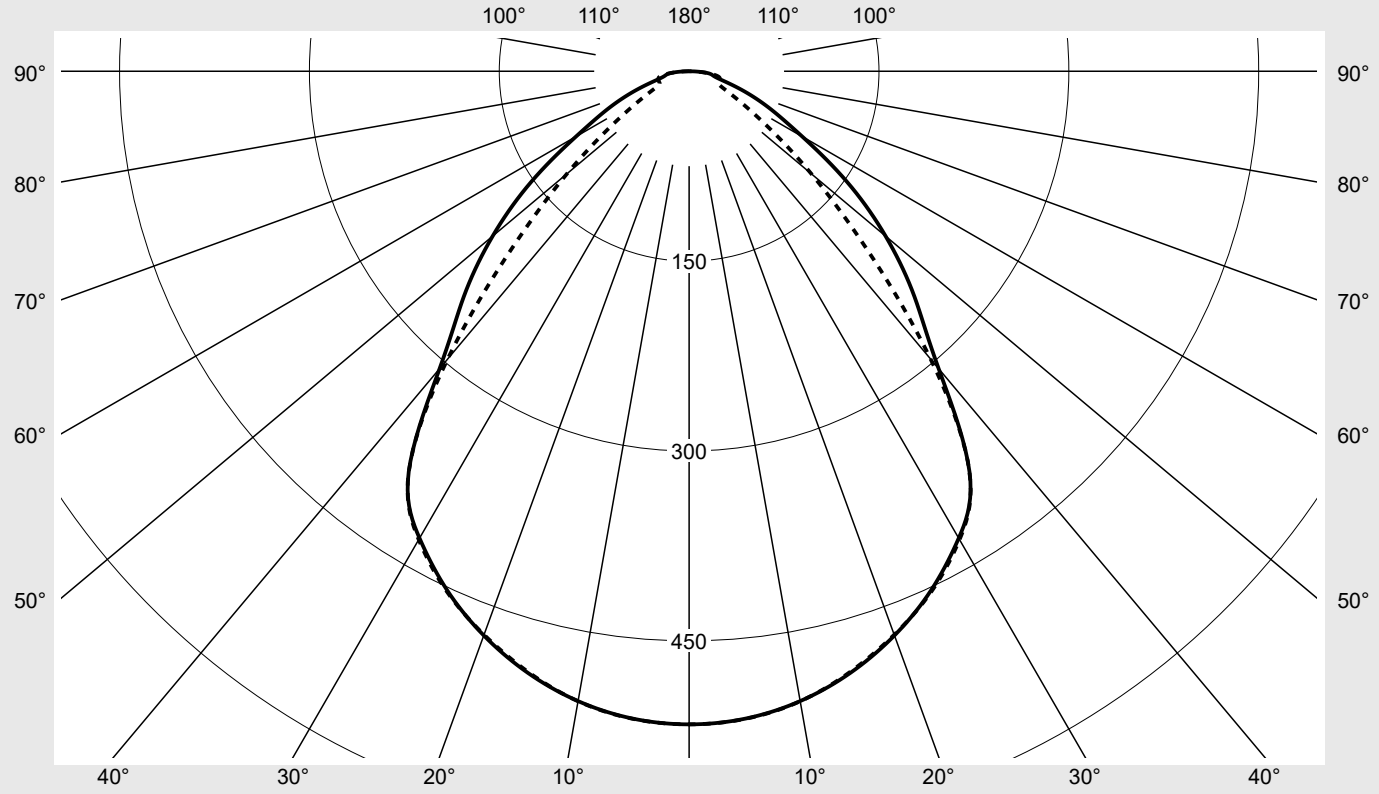
Version	recessed luminaire for lay-in mounting, square M625, wide distribution, UGR≤19 (L65≤3000cd/m²), adjustable color temperature: 3000K | 4000K | 5000K
Lamps	LED 4000 K | CRI ≥ 80
Controlgear	ECG-DALI-Multilumen
Setting	factory setting: DIP-Step=15, colour temperature 4000K
Rated values	Net luminous flux = 3840 lm Power consumption = 27.6 W Luminous efficacy = 139.1 lm/W

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Luminous intensity in cd/klm

C180-0 C270-90

Imax: 516 cd/klm



Classifications

DIN 5040	A 5 0
CIE	N1=66 N2=91 N3=97 N4=100 N5=100

Luminaire light output ratios

ηLB	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

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°	516.0	516.0	516.0	516.0	516.0	516.0	516.0	3.1	3.1
5°	513.4	513.4	513.6	513.4	513.9	513.6	513.5	24.5	27.6
10°	505.3	505.3	505.6	505.3	505.7	505.3	505.4	48.1	75.7
15°	492.1	492.0	492.0	491.8	492.0	491.7	491.3	69.8	145.5
20°	474.4	474.2	473.9	473.5	473.9	473.8	473.7	88.8	234.4
25°	452.4	452.9	452.9	451.7	452.0	452.8	453.3	104.8	339.2
30°	426.0	426.7	426.7	424.4	424.8	426.0	427.3	116.7	455.9
35°	386.2	386.6	387.0	382.5	382.5	384.2	386.1	121.0	576.9
40°	306.7	305.0	301.7	300.2	301.5	298.7	296.8	106.2	683.1
45°	251.7	228.7	212.0	224.1	237.2	214.4	198.2	86.7	769.8
50°	202.6	172.2	139.6	166.0	189.8	152.6	126.0	68.9	838.7
55°	152.2	114.4	83.4	112.2	145.8	97.1	74.5	49.9	888.5
60°	103.3	69.1	47.6	69.2	105.6	58.8	43.1	33.5	922.0
65°	71.5	44.6	28.0	45.9	71.7	40.4	27.2	23.2	945.2
70°	46.4	39.5	24.6	40.3	46.2	37.1	25.1	19.2	964.4
75°	26.4	35.4	24.1	35.0	24.6	35.6	25.0	15.9	980.3
80°	19.1	24.0	22.5	23.8	21.7	25.4	23.2	12.5	992.8
85°	13.5	12.5	12.3	12.2	14.2	13.2	12.9	7.1	999.8
90°	0.4	0.4	0.3	0.3	0.2	0.3	0.3	0.2	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

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UGR-Table

Standard room

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 x	y	View crosswise (C0)					View endwise (C90)				
2H	2H	15.0	16.5	15.3	16.8	17.1	14.8	16.3	15.2	16.6	16.9
	3H	15.6	16.9	16.0	17.3	17.6	15.2	16.5	15.5	16.8	17.2
	4H	16.0	17.2	16.4	17.6	17.9	15.5	16.8	15.9	17.1	17.5
	6H	16.3	17.4	16.7	17.8	18.2	16.0	17.1	16.4	17.5	17.9
	8H	16.5	17.5	16.9	17.9	18.3	16.3	17.3	16.7	17.7	18.1
	12H	16.7	17.6	17.1	18.0	18.5	16.4	17.4	16.9	17.8	18.2
4H	2H	15.2	16.4	15.6	16.8	17.2	15.1	16.3	15.5	16.7	17.0
	3H	15.9	16.9	16.3	17.3	17.7	15.7	16.8	16.1	17.2	17.6
	4H	16.4	17.3	16.8	17.7	18.2	16.2	17.1	16.7	17.6	18.0
	6H	17.0	17.8	17.4	18.2	18.7	16.9	17.7	17.4	18.1	18.6
	8H	17.2	17.9	17.7	18.4	18.9	17.2	18.0	17.7	18.4	18.9
	12H	17.5	18.1	18.0	18.6	19.1	17.5	18.1	18.0	18.6	19.1
8H	4H	16.6	17.4	17.1	17.8	18.3	16.4	17.2	16.9	17.6	18.1
	6H	17.3	17.9	17.8	18.4	18.9	17.3	17.9	17.7	18.3	18.8
	8H	17.7	18.2	18.2	18.7	19.2	17.7	18.2	18.2	18.7	19.2
	12H	18.1	18.5	18.6	19.0	19.6	18.1	18.5	18.6	19.0	19.6
12H	4H	16.7	17.3	17.2	17.8	18.3	16.5	17.1	17.0	17.6	18.1
	6H	17.5	18.0	18.0	18.4	19.0	17.4	17.9	17.9	18.4	18.9
	8H	17.9	18.3	18.4	18.8	19.3	17.9	18.3	18.4	18.8	19.3

Luminance table

Max. for $\gamma >= 65°$

Photometric dimensions in mm: L = 555, B = 555

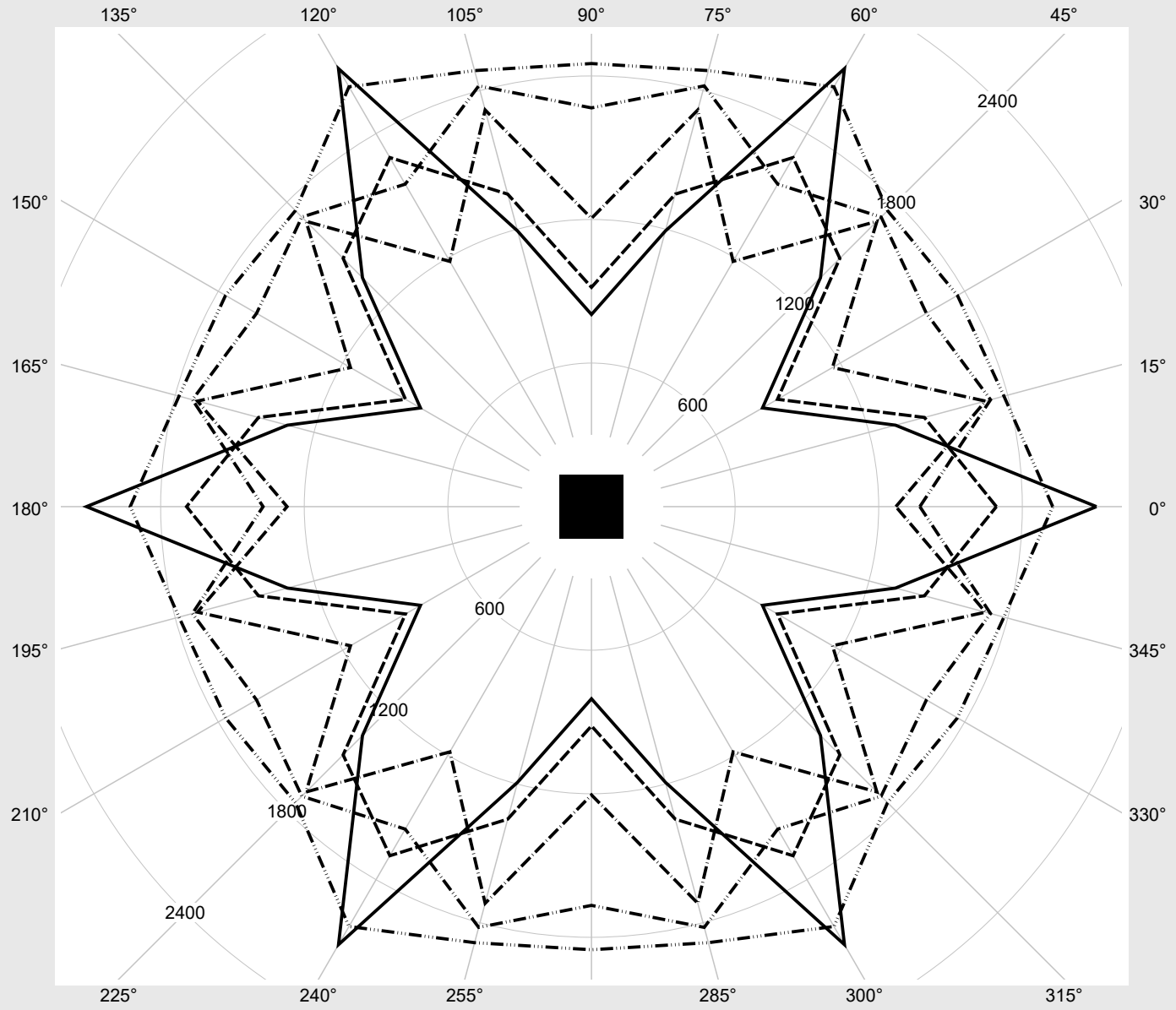
C-planes	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
γ	Luminance in cd/m²						
45°	4438.4	4031.6	3737.9	3951.7	4182.4	3780.3	3494.8
50°	3930.2	3340.5	2706.7	3218.6	3680.8	2960.1	2444.2
55°	3308.8	2486.1	1813.1	2439.0	3167.9	2110.7	1620.0
60°	2574.7	1721.9	1187.5	1725.7	2632.0	1466.4	1074.5
65°	2109.9	1315.2	824.9	1353.1	2113.8	1192.6	803.1
70°	1691.8	1440.2	897.3	1467.4	1684.7	1352.2	916.7
75°	1271.8	1704.3	1162.7	1686.6	1183.5	1716.4	1204.9
80°	1371.9	1726.1	1615.7	1711.4	1556.3	1820.5	1666.6
85°	1927.1	1784.1	1765.5	1749.5	2026.3	1886.7	1851.9

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Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85°

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Multilumen Table

environmental temperature: 25°C

DIP-Step	Switch Setting 1	2	3	4	Luminous flux [lm]	Power consumption [W]
15	ON	ON	ON	ON	3840	27.6
14	OFF	ON	ON	ON	3590	25.7
13	ON	OFF	ON	ON	3320	23.6
12	OFF	OFF	ON	ON	3050	21.7
11	ON	ON	OFF	ON	2780	19.7
10	OFF	ON	OFF	ON	2510	17.7
9	ON	OFF	OFF	ON	2240	15.8
8	OFF	OFF	OFF	ON	1960	13.9
7	ON	ON	ON	OFF	1690	12.0
6	OFF	ON	ON	OFF	1410	10.2
5	ON	OFF	ON	OFF	1130	8.3
4	OFF	OFF	ON	OFF	840	6.4