Photometric test report

Family
Apollon® 31



Order number: 51MP11WD2K43
EAN: 4069025542922

Version	recessed luminaire for lay-in mounting, square M625, wide distribution, UGR≤19 (L65≤3000cd/m²), adjustable color temperature: 3000K | 4000K | 5000K
Lamps	LED 5000 K | CRI ≥ 80
Controlgear	ECG-DALI-Multilumen
Setting	individual position: DIP-Step=15, colour temperature 5000K
Rated values	Net luminous flux = 3740 lm Power consumption = 26.9 W Luminous efficacy = 139 lm/W

LP number
59818_212

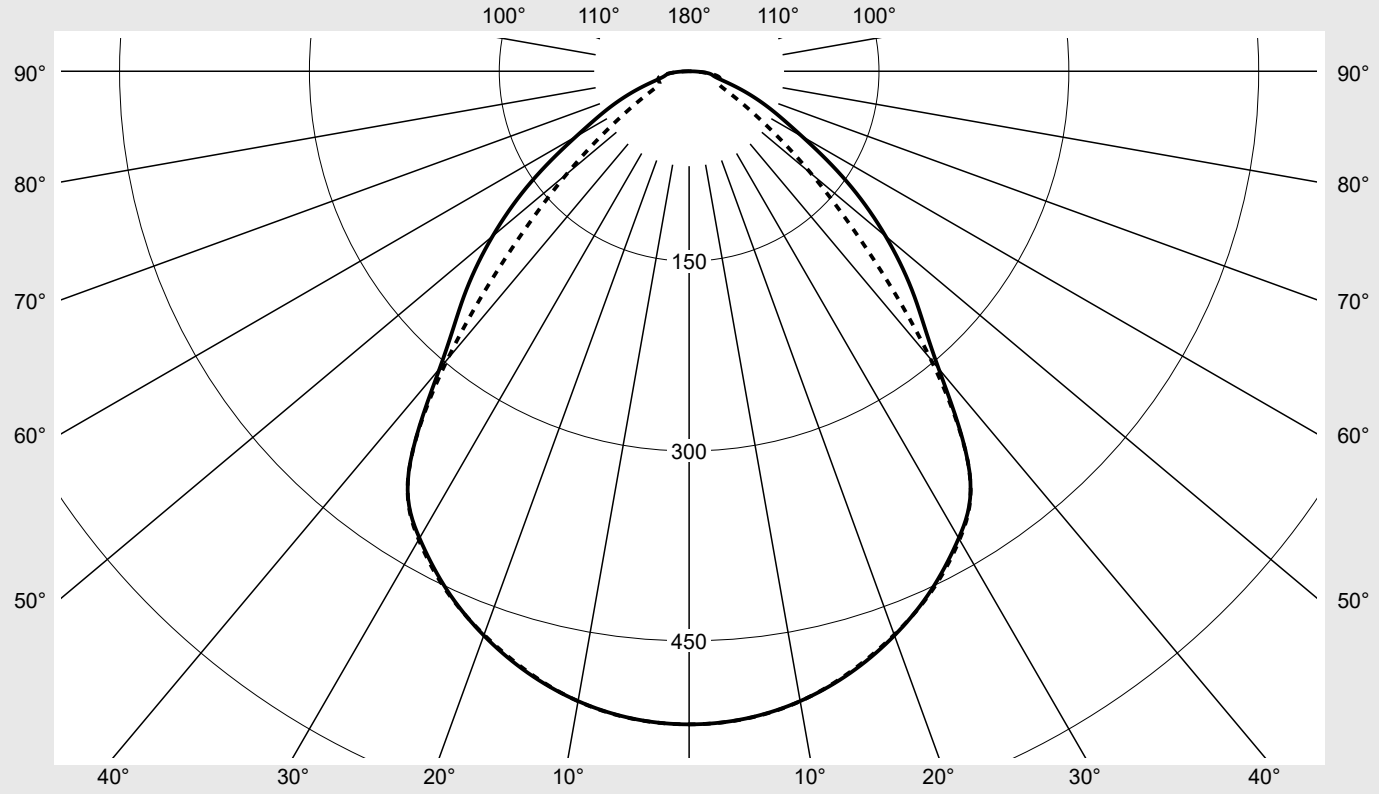
serial documentation
02.07.2026

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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			View crosswise (C0)					View endwise (C90)			
x	y										
2H	2H	14.9	16.4	15.2	16.7	17.0	14.7	16.2	15.1	16.5	16.8
	3H	15.5	16.9	15.9	17.2	17.5	15.1	16.4	15.4	16.7	17.1
	4H	15.9	17.1	16.3	17.5	17.9	15.4	16.7	15.8	17.0	17.4
	6H	16.2	17.3	16.6	17.7	18.1	15.9	17.0	16.3	17.4	17.8
	8H	16.4	17.4	16.8	17.8	18.2	16.2	17.2	16.6	17.6	18.0
	12H	16.6	17.5	17.0	17.9	18.4	16.3	17.3	16.8	17.7	18.1
4H	2H	15.1	16.3	15.5	16.7	17.1	15.0	16.2	15.4	16.6	16.9
	3H	15.8	16.8	16.2	17.2	17.6	15.6	16.7	16.1	17.1	17.5
	4H	16.3	17.2	16.7	17.6	18.1	16.1	17.1	16.6	17.5	17.9
	6H	16.9	17.7	17.3	18.1	18.6	16.8	17.6	17.3	18.0	18.5
	8H	17.1	17.8	17.6	18.3	18.8	17.1	17.9	17.6	18.3	18.8
	12H	17.4	18.0	17.9	18.5	19.0	17.4	18.0	17.9	18.5	19.0
8H	4H	16.5	17.3	17.0	17.7	18.2	16.3	17.1	16.8	17.5	18.0
	6H	17.2	17.9	17.7	18.3	18.8	17.2	17.8	17.7	18.2	18.7
	8H	17.6	18.1	18.1	18.6	19.2	17.6	18.1	18.1	18.6	19.1
	12H	18.0	18.4	18.5	18.9	19.5	18.0	18.5	18.5	19.0	19.5
12H	4H	16.6	17.2	17.1	17.7	18.2	16.4	17.0	16.9	17.5	18.0
	6H	17.4	17.9	17.9	18.4	18.9	17.3	17.8	17.8	18.3	18.8
	8H	17.8	18.2	18.3	18.7	19.2	17.8	18.2	18.3	18.7	19.3

Luminance table

Max. for $\gamma >= 65°$

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

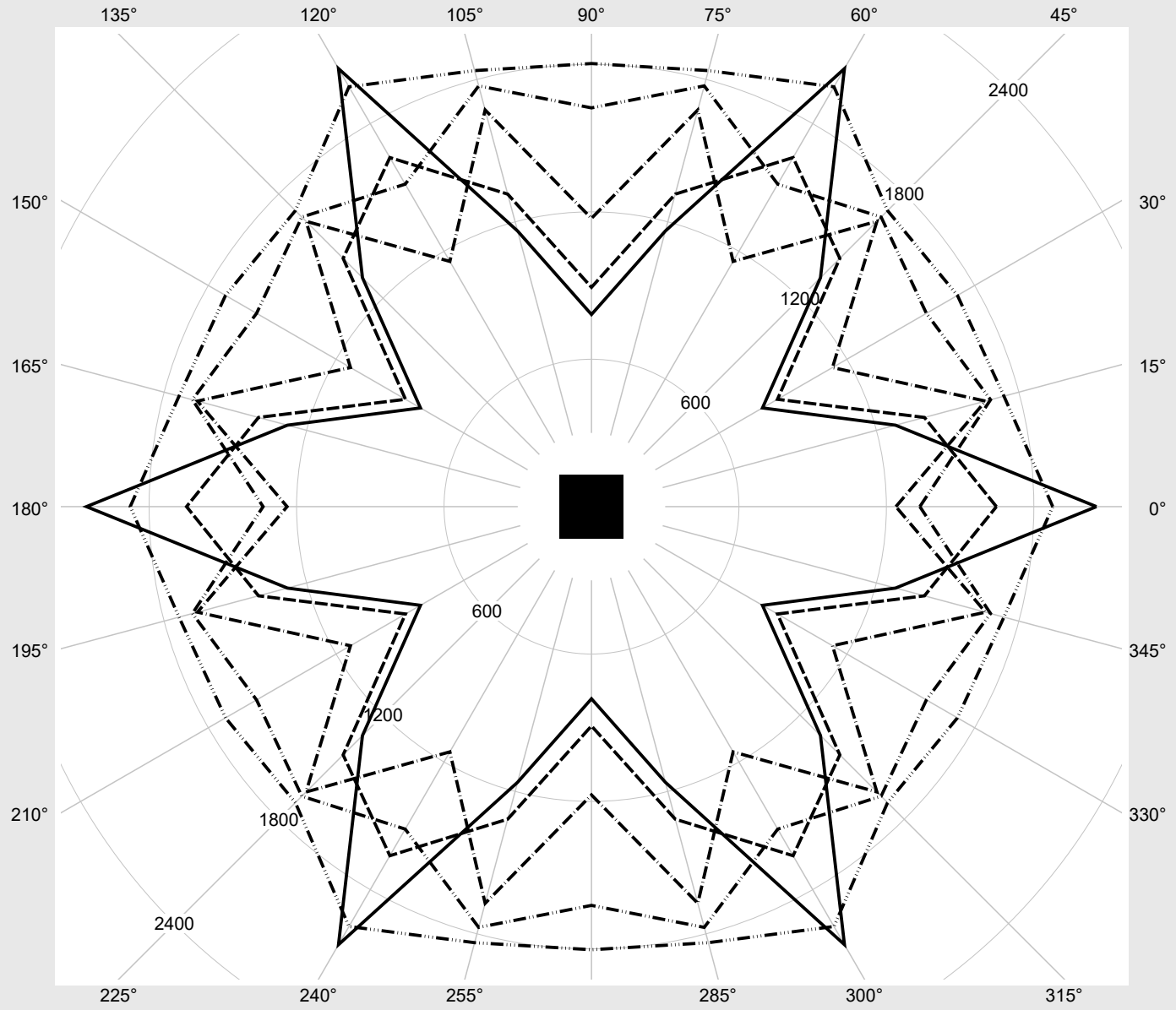
C-planes	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
γ	Luminance in cd/m²						
45°	4322.8	3926.6	3640.6	3848.8	4073.5	3681.9	3403.8
50°	3827.8	3253.5	2636.3	3134.8	3584.9	2883.0	2380.6
55°	3222.6	2421.4	1765.9	2375.4	3085.4	2055.7	1577.8
60°	2507.7	1677.0	1156.6	1680.8	2563.4	1428.2	1046.5
65°	2054.9	1281.0	803.5	1317.9	2058.8	1161.6	782.2
70°	1647.8	1402.7	873.9	1429.2	1640.8	1317.0	892.8
75°	1238.6	1660.0	1132.5	1642.7	1152.6	1671.7	1173.5
80°	1336.2	1681.1	1573.7	1666.9	1515.8	1773.1	1623.2
85°	1877.0	1737.6	1719.5	1703.9	1973.5	1837.5	1803.7

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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	3740	26.9
14	OFF	ON	ON	ON	3480	25.0
13	ON	OFF	ON	ON	3220	23.0
12	OFF	OFF	ON	ON	2950	21.1
11	ON	ON	OFF	ON	2690	19.2
10	OFF	ON	OFF	ON	2420	17.3
9	ON	OFF	OFF	ON	2150	15.4
8	OFF	OFF	OFF	ON	1880	13.6
7	ON	ON	ON	OFF	1620	11.8
6	OFF	ON	ON	OFF	1350	10.0
5	ON	OFF	ON	OFF	1080	8.1
4	OFF	OFF	ON	OFF	800	6.3