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 3000 K | CRI ≥ 80
Controlgear	ECG-DALI-Multilumen
Setting	individual position: DIP-Step=15, colour temperature 3000K
Rated values	Net luminous flux = 3560 lm Power consumption = 26.9 W Luminous efficacy = 132.3 lm/W

LP number
59818_211

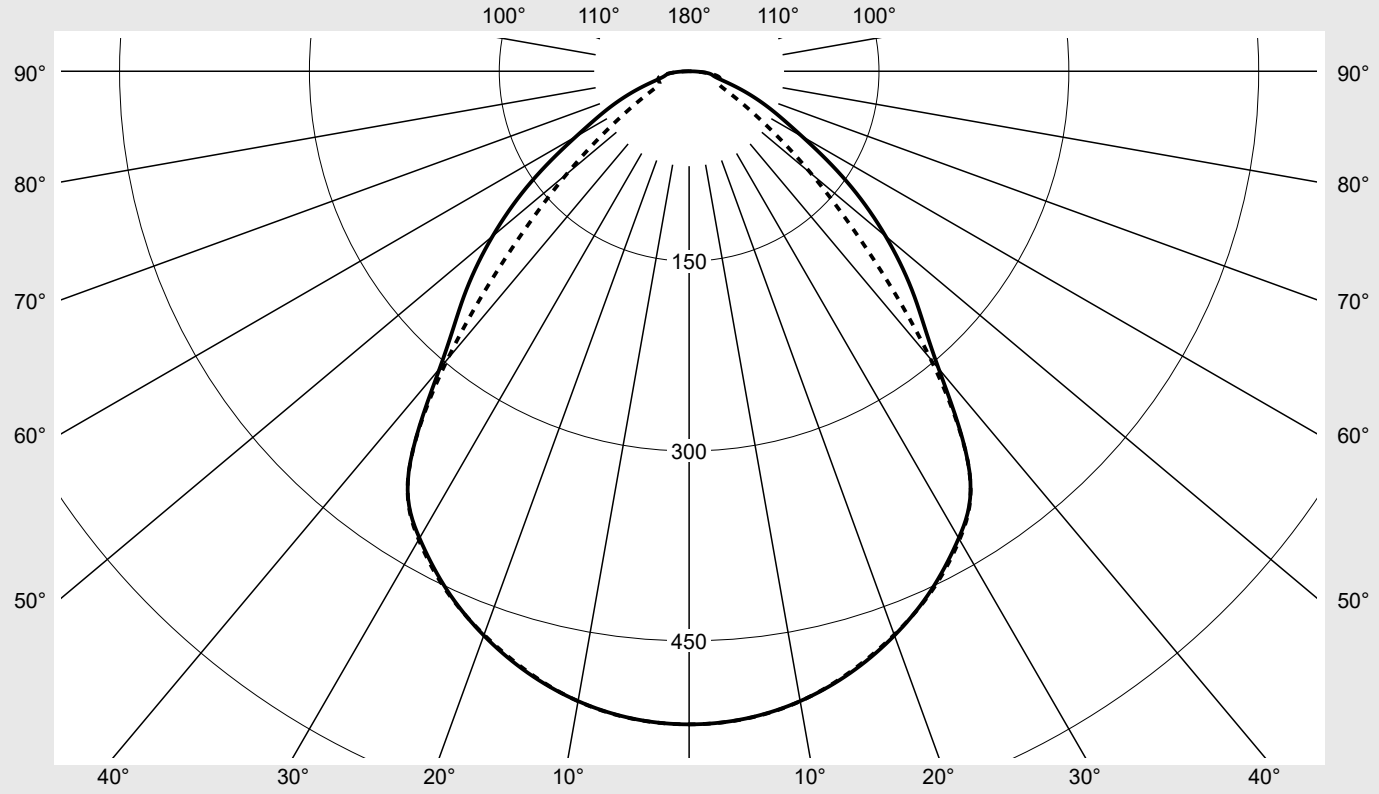
serial documentation
02.07.2026

siteco

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

Photometric test report

Family	Order number: 51MP11WD2K43	LP number
Apollon® 31	EAN: 4069025542922	59818_211

siteco

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

Photometric test report

Family	Order number: 51MP11WD2K43	LP number
Apollon® 31	EAN: 4069025542922	59818_211

siteco

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	14.7	16.2	15.1	16.5	16.8	14.5	16.0	14.9	16.3	16.7
	3H	15.4	16.7	15.7	17.0	17.4	14.9	16.2	15.3	16.6	16.9
	4H	15.7	17.0	16.1	17.3	17.7	15.2	16.5	15.6	16.8	17.2
	6H	16.0	17.2	16.5	17.5	17.9	15.7	16.9	16.1	17.2	17.6
	8H	16.2	17.3	16.7	17.7	18.1	16.0	17.0	16.4	17.4	17.8
	12H	16.4	17.4	16.8	17.8	18.2	16.2	17.2	16.6	17.5	18.0
4H	2H	14.9	16.2	15.3	16.5	16.9	14.8	16.0	15.2	16.4	16.8
	3H	15.6	16.7	16.0	17.1	17.5	15.5	16.5	15.9	16.9	17.3
	4H	16.1	17.1	16.6	17.5	17.9	16.0	16.9	16.4	17.3	17.7
	6H	16.7	17.5	17.2	17.9	18.4	16.6	17.4	17.1	17.9	18.3
	8H	16.9	17.7	17.4	18.1	18.6	17.0	17.7	17.4	18.1	18.6
	12H	17.2	17.9	17.7	18.3	18.8	17.2	17.9	17.7	18.3	18.8
8H	4H	16.4	17.1	16.8	17.5	18.0	16.2	16.9	16.6	17.3	17.8
	6H	17.1	17.7	17.6	18.2	18.7	17.0	17.6	17.5	18.1	18.6
	8H	17.4	18.0	17.9	18.5	19.0	17.4	18.0	17.9	18.5	19.0
	12H	17.8	18.3	18.3	18.8	19.3	17.8	18.3	18.4	18.8	19.3
12H	4H	16.4	17.0	16.9	17.5	18.0	16.2	16.9	16.7	17.3	17.8
	6H	17.2	17.7	17.7	18.2	18.7	17.1	17.6	17.6	18.1	18.6
	8H	17.6	18.0	18.1	18.5	19.1	17.6	18.0	18.1	18.5	19.1

Luminance table

Max. for $\gamma >= 65°$

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

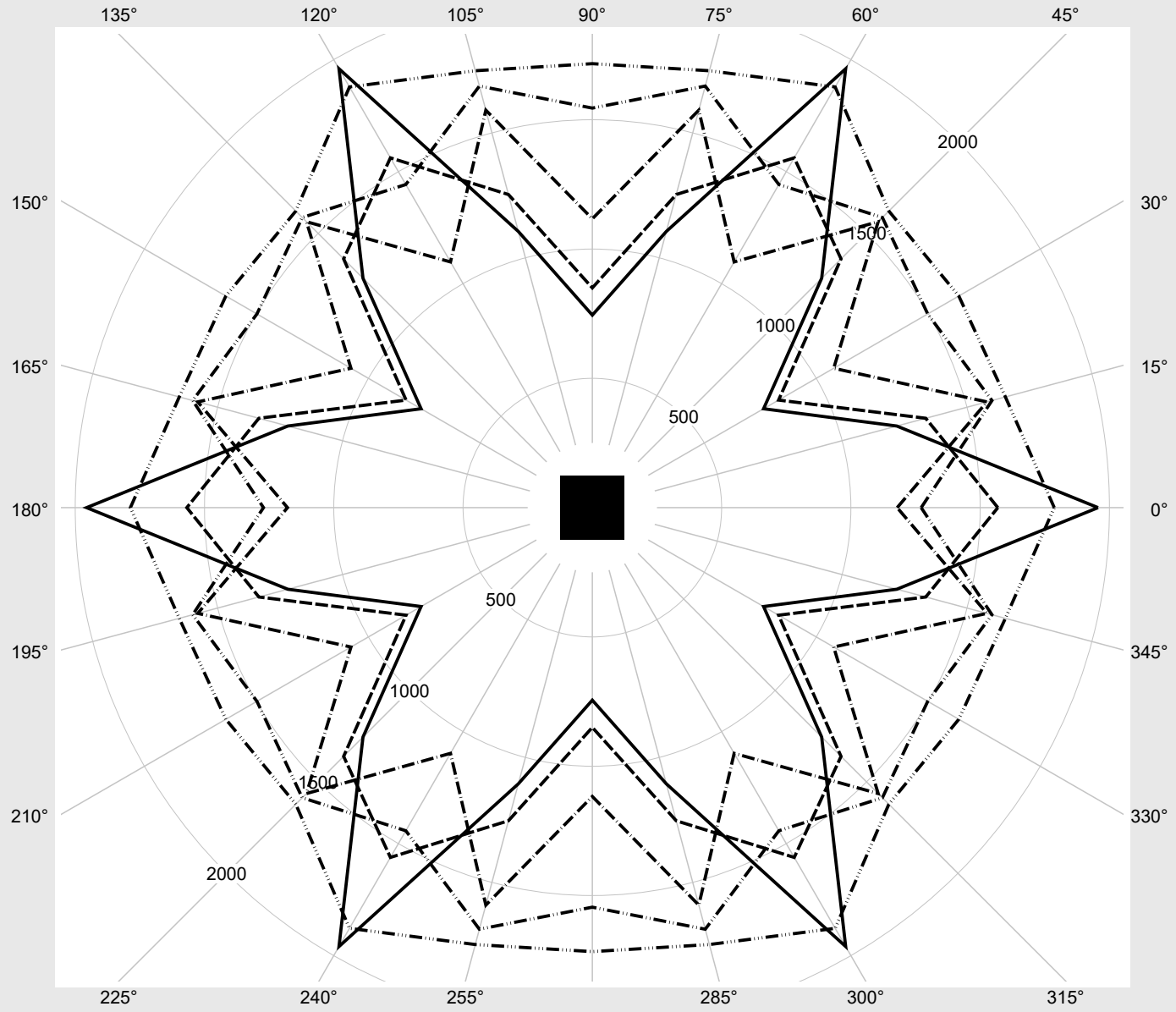
C-planes	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
γ	Luminance in cd/m²						
45°	4114.8	3737.6	3465.4	3663.5	3877.4	3504.7	3240.0
50°	3643.6	3096.9	2509.4	2983.9	3412.4	2744.2	2266.0
55°	3067.5	2304.8	1680.9	2261.1	2936.9	1956.8	1501.9
60°	2387.0	1596.3	1100.9	1599.9	2440.1	1359.5	996.2
65°	1956.0	1219.3	764.8	1254.5	1959.7	1105.7	744.5
70°	1568.5	1335.2	831.9	1360.4	1561.9	1253.6	849.8
75°	1179.0	1580.1	1078.0	1563.6	1097.2	1591.2	1117.0
80°	1271.9	1600.2	1497.9	1586.7	1442.8	1687.8	1545.1
85°	1786.6	1654.0	1636.8	1621.9	1878.5	1749.1	1716.9

Photometric test report

Family	Order number: 51MP11WD2K43	LP number
Apollon® 31	**EAN: 4069025542922**	**59818_211**

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

siteco



Photometric test report

Family	Order number: 51MP11WD2K43	LP number
Apollon® 31	EAN: 4069025542922	59818_211

siteco

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	3560	26.9
14	OFF	ON	ON	ON	3310	25.0
13	ON	OFF	ON	ON	3060	23.0
12	OFF	OFF	ON	ON	2810	21.1
11	ON	ON	OFF	ON	2560	19.2
10	OFF	ON	OFF	ON	2300	17.3
9	ON	OFF	OFF	ON	2050	15.4
8	OFF	OFF	OFF	ON	1790	13.6
7	ON	ON	ON	OFF	1540	11.8
6	OFF	ON	ON	OFF	1280	10.0
5	ON	OFF	ON	OFF	1020	8.1
4	OFF	OFF	ON	OFF	770	6.3