

Photometric test report

Family
Apollon® 31

Order number: 51MP11HM2443
EAN: 4069025542861

LP number
59818_209

serial
documentation
02.07.2026

siteco

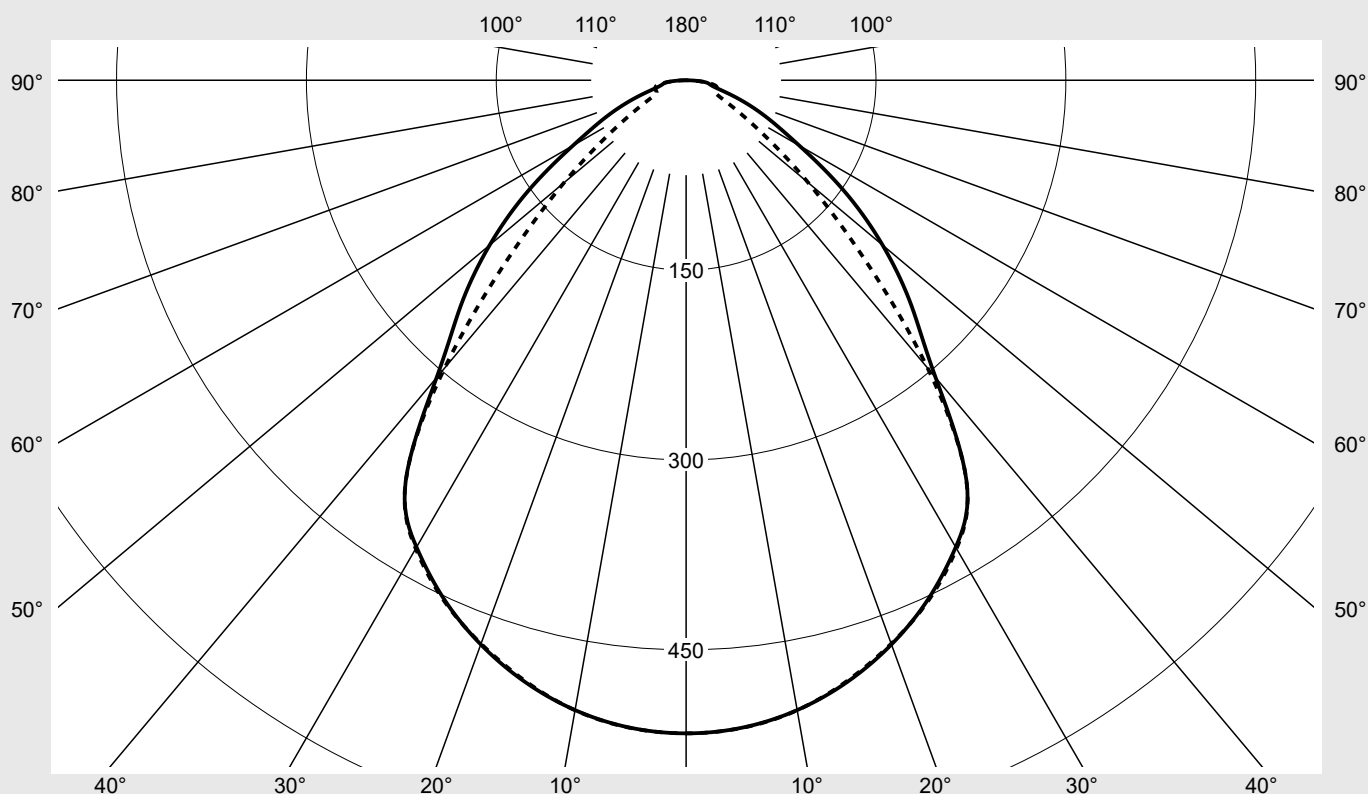
Version recessed luminaire for lay-in mounting, square M625, wide distribution, UGR≤19
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG Multilumen
Setting factory setting: DIP-Step=7
Rated values Net luminous flux = 5800 lm
Power consumption = 40.2 W
Luminous efficacy = 144.3 lm/W

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

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
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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	siteco

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	16.4	17.9	16.8	18.2	18.5	16.2	17.7	16.6	18.0	18.4
	3H	17.0	18.4	17.4	18.7	19.1	16.6	17.9	17.0	18.3	18.6
	4H	17.4	18.7	17.8	19.0	19.4	16.9	18.2	17.3	18.5	18.9
	6H	17.7	18.9	18.1	19.2	19.6	17.4	18.5	17.8	18.9	19.3
	8H	17.9	19.0	18.4	19.3	19.8	17.7	18.7	18.1	19.1	19.5
	12H	18.1	19.1	18.5	19.5	19.9	17.9	18.9	18.3	19.2	19.7
4H	2H	16.6	17.9	17.0	18.2	18.6	16.5	17.7	16.9	18.1	18.5
	3H	17.3	18.4	17.7	18.8	19.2	17.2	18.2	17.6	18.6	19.0
	4H	17.8	18.8	18.3	19.2	19.6	17.6	18.6	18.1	19.0	19.4
	6H	18.4	19.2	18.8	19.6	20.1	18.3	19.1	18.8	19.6	20.0
	8H	18.6	19.4	19.1	19.8	20.3	18.6	19.4	19.1	19.8	20.3
	12H	18.9	19.6	19.4	20.0	20.5	18.9	19.6	19.4	20.0	20.5
8H	4H	18.1	18.8	18.5	19.2	19.7	17.9	18.6	18.3	19.0	19.5
	6H	18.8	19.4	19.3	19.8	20.4	18.7	19.3	19.2	19.8	20.3
	8H	19.1	19.7	19.6	20.2	20.7	19.1	19.7	19.6	20.1	20.7
	12H	19.5	20.0	20.0	20.5	21.0	19.5	20.0	20.1	20.5	21.0
12H	4H	18.1	18.7	18.6	19.2	19.7	17.9	18.6	18.4	19.0	19.5
	6H	18.9	19.4	19.4	19.9	20.4	18.8	19.3	19.3	19.8	20.3
	8H	19.3	19.7	19.8	20.2	20.8	19.3	19.7	19.8	20.2	20.8

Luminance table		Max. for $\gamma \geq 65^\circ$		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°	6703.8	6089.4	5645.8	5968.7	6317.2	5709.8	5278.7
50°	5936.2	5045.5	4088.3	4861.4	5559.5	4471.0	3691.8
55°	4997.6	3755.1	2738.6	3683.8	4784.8	3188.0	2446.9
60°	3888.9	2600.7	1793.7	2606.6	3975.4	2214.9	1623.0
65°	3186.8	1986.5	1246.0	2043.8	3192.7	1801.3	1213.0
70°	2555.3	2175.3	1355.3	2216.4	2544.6	2042.3	1384.6
75°	1920.9	2574.3	1756.2	2547.5	1787.5	2592.4	1819.9
80°	2072.2	2607.1	2440.5	2585.0	2350.7	2749.7	2517.2
85°	2910.8	2694.7	2666.7	2642.5	3060.5	2849.6	2797.1

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Luminance values in cd/m²

γ 65°

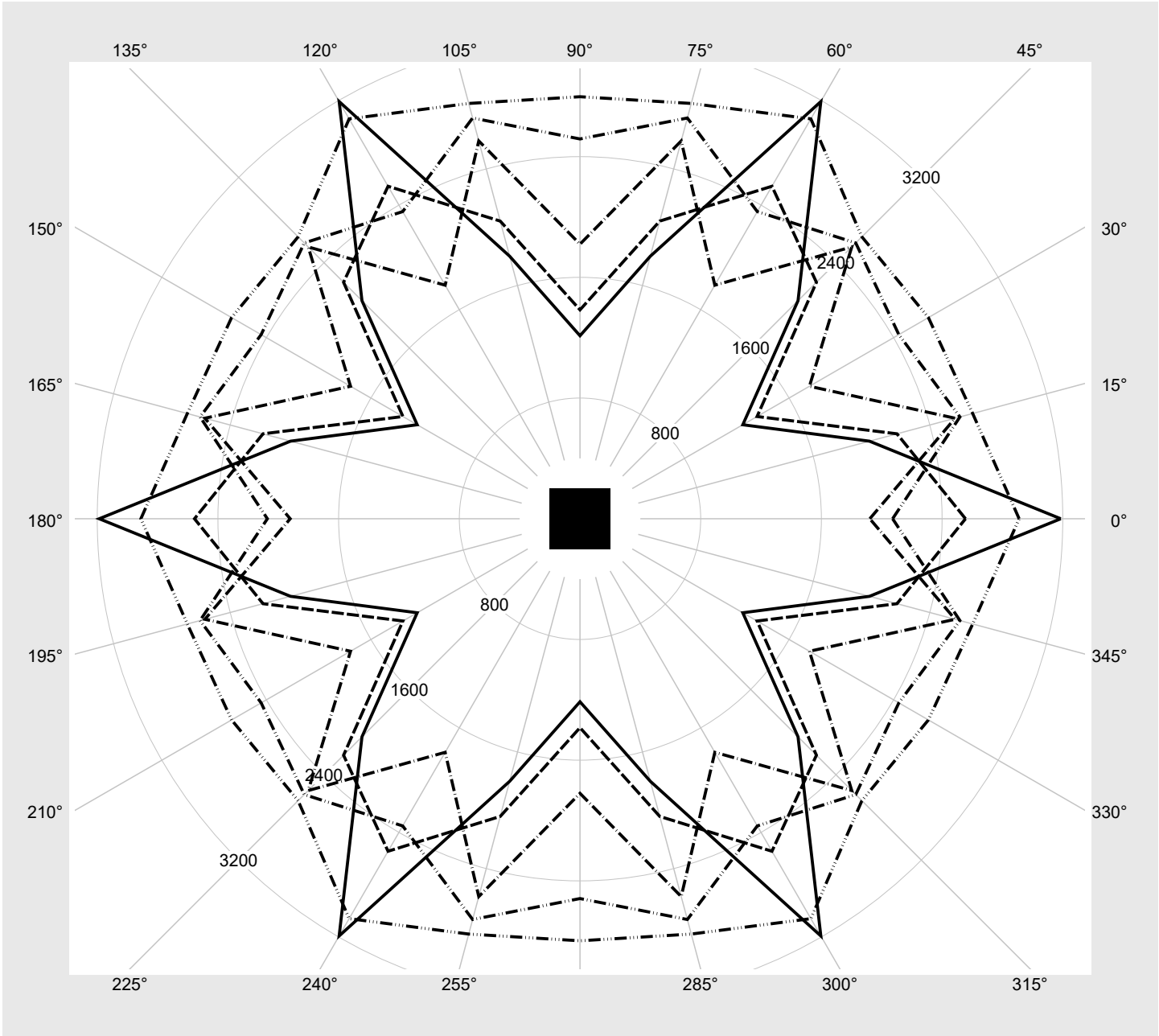
γ 70°

γ 75°

γ 80°

γ 85°

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Multilumen Table

environmental temperature: 25°C

sITeco

DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
7	ON	ON	ON	5800	40.2
6	OFF	ON	ON	5640	38.1
5	ON	OFF	ON	5380	36.1
4	OFF	OFF	ON	5110	34.0
3	ON	ON	OFF	4840	31.9
2	OFF	ON	OFF	4570	29.9
1	ON	OFF	OFF	4300	27.9
0	OFF	OFF	OFF	4000	25.9