

Lichttechnischer Prüfbefund

Familie
Apollon® 31

Bestell-Nr.: 51MP11WD2342
EAN: 4058352926178

LP-Nummer
59516_1



Ausführung Einbauleuchte für Einlegemontage, quadratisch M625, breit strahlend, UGR≤19 (L65≤3000cd/m²)

Bestückung LED 3000 K | CRI ≥ 80

Betriebsgerät EVG-DALI

Bemessungswerte Nettolichtstrom = 3800 lm
Systemleistung = 27.5 W
Lichtausbeute = 138.2 lm/W

Seriendokumentation
11.12.2023

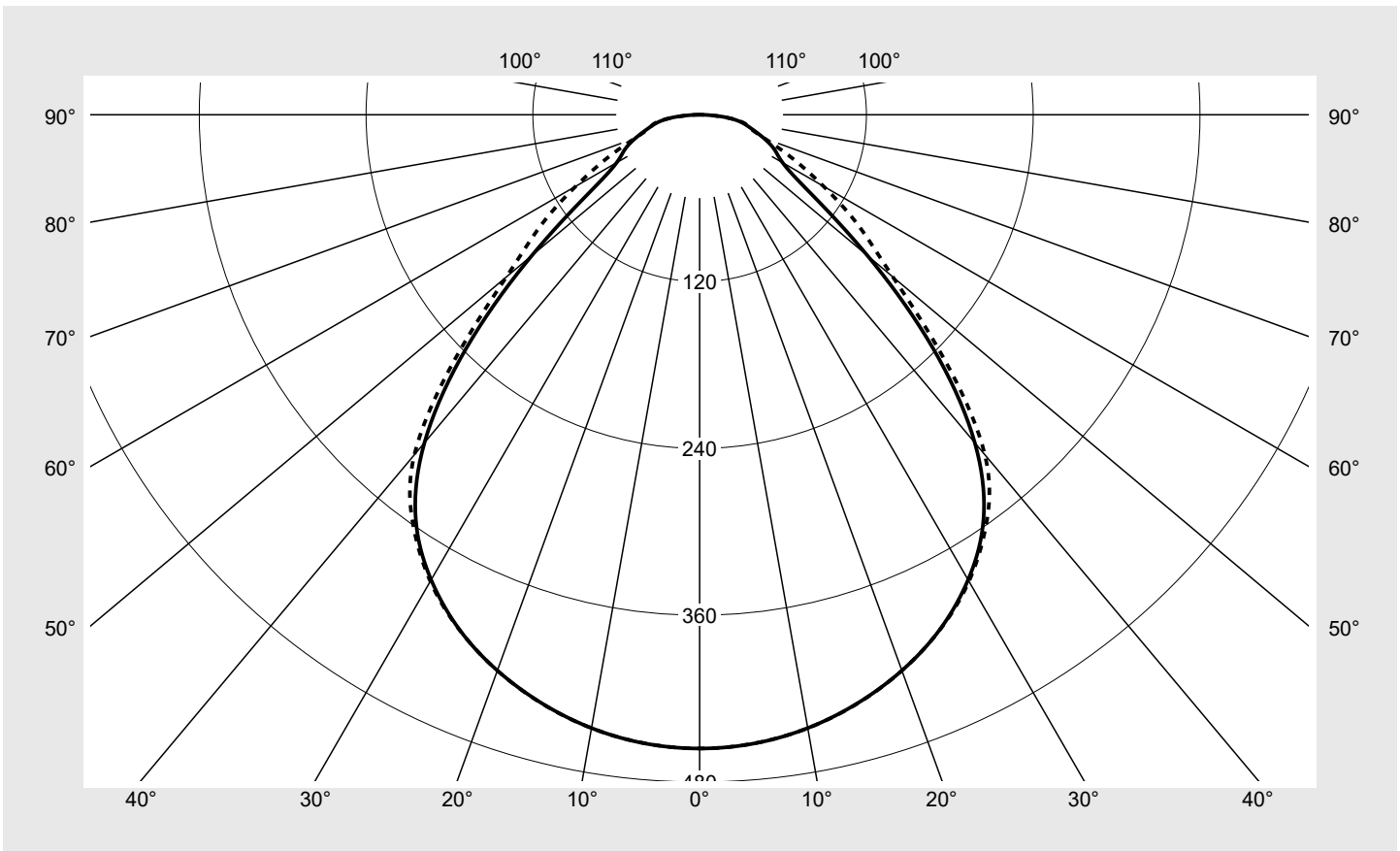
siteco

Lichtstärke in cd/klm

C180-0

C270-90

Imax: 456 cd/klm



Klassifizierungen

DIN 5040 A 5 0
CIE N1=61 N2=87 N3=97
N4=100 N5=100

Leuchtenbetriebswirkungsgrade

η_{LB} 100,0%
 ϕ_u 100,0%
 ϕ_o 0,0%

Messbedingungen

DIN EN 13032 und DIN 5032

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Wertetabelle Lichtstärkemessung		Maximale Lichtstärke
siteco		

C- Ebenen	0°	15° 345°	30° 330°	45° 315°	60° 300°	75° 285°	90° 270°
γ	Lichtstärke in cd/klm						
0°	455.9	455.9	455.9	455.9	455.9	455.9	455.9
5°	454.0	453.9	453.9	453.9	453.9	453.9	453.9
10°	448.0	448.0	448.0	448.1	448.1	448.1	448.1
15°	438.4	438.3	438.4	438.5	438.5	438.6	438.5
20°	425.5	425.3	425.3	425.5	425.7	425.7	425.5
25°	408.8	408.7	408.7	408.8	409.0	409.1	408.9
30°	386.3	386.6	386.8	387.0	387.1	387.3	387.6
35°	356.0	357.3	358.0	358.0	357.9	358.4	359.6
40°	308.0	312.5	314.7	314.8	313.9	315.4	319.3
45°	237.4	240.4	242.0	242.0	242.8	245.2	249.3
50°	157.6	168.1	171.3	167.4	163.5	168.2	181.5
55°	95.3	119.8	128.0	119.9	107.7	114.5	140.2
60°	69.0	89.0	96.4	91.3	79.3	83.2	102.9
65°	59.5	68.4	72.7	72.3	65.8	66.0	72.9
70°	49.1	51.9	54.5	56.9	54.9	52.5	49.7
75°	38.5	40.5	42.0	43.2	41.8	40.0	37.8
80°	30.1	29.9	29.5	28.8	29.4	30.3	31.5
85°	16.8	15.8	15.0	14.4	15.2	15.6	15.7
90°	0.6	0.6	0.5	0.3	0.3	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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Wertetabelle Lichtstärkemessung		Maximale Lichtstärke
		sITeco

C- Ebenen	105° 255°	120° 240°	135° 225°	150° 210°	165° 195°	180°	Phi-Zone	Summe Phi-Zone
γ	Lichtstärke in cd/klm						Lichtstrom in lm/klm	
0°	455.9	455.9	455.9	455.9	455.9	455.9	2.7	2.7
5°	453.9	453.9	453.9	453.9	453.9	454.0	21.7	24.4
10°	448.1	448.1	448.1	448.0	448.0	448.0	42.6	67.1
15°	438.6	438.5	438.5	438.4	438.3	438.4	62.2	129.3
20°	425.7	425.7	425.5	425.3	425.3	425.5	79.8	209.0
25°	409.1	409.0	408.8	408.7	408.7	408.8	94.7	303.7
30°	387.3	387.1	387.0	386.8	386.6	386.3	106.1	409.8
35°	358.4	357.9	358.0	358.0	357.3	356.0	112.5	522.3
40°	315.4	313.9	314.8	314.7	312.5	308.0	110.7	633.0
45°	245.2	242.8	242.0	242.0	240.4	237.4	94.0	727.0
50°	168.2	163.5	167.4	171.3	168.1	157.6	70.5	797.6
55°	114.5	107.7	119.9	128.0	119.8	95.3	53.0	850.5
60°	83.2	79.3	91.3	96.4	89.0	69.0	41.5	892.1
65°	66.0	65.8	72.3	72.7	68.4	59.5	34.1	926.1
70°	52.5	54.9	56.9	54.5	51.9	49.1	27.5	953.6
75°	40.0	41.8	43.2	42.0	40.5	38.5	21.7	975.3
80°	30.3	29.4	28.8	29.5	29.9	30.1	16.1	991.4
85°	15.6	15.2	14.4	15.0	15.8	16.8	8.4	999.8
90°	0.3	0.3	0.3	0.5	0.6	0.6	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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UGR-Tabelle		Standardraum									
		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
Raumabmessungen											
x	y										
Reflexionsgrad Decke	0,7	0,7	0,5	0,5	0,3	0,7	0,7	0,5	0,5	0,3	
Reflexionsgrad Wände	0,5	0,3	0,5	0,3	0,3	0,5	0,3	0,5	0,3	0,3	
Reflexionsgrad Boden	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	
2H	2H	15,2	16,8	15,6	17,1	17,4	15,3	16,8	15,6	17,1	17,5
	3H	16,1	17,5	16,5	17,8	18,2	16,2	17,6	16,6	17,9	18,3
	4H	16,6	17,9	16,9	18,2	18,6	16,6	17,9	17,0	18,3	18,6
	6H	17,1	18,3	17,5	18,6	19,0	17,2	18,4	17,6	18,7	19,1
	8H	17,4	18,5	17,8	18,9	19,3	17,4	18,6	17,9	19,0	19,4
	12H	17,6	18,6	18,0	19,0	19,5	17,7	18,7	18,1	19,1	19,5
4H	2H	15,6	16,9	16,0	17,3	17,7	15,7	17,0	16,1	17,3	17,7
	3H	16,8	17,9	17,2	18,2	18,7	16,8	17,9	17,3	18,3	18,7
	4H	17,4	18,4	17,8	18,8	19,2	17,5	18,4	17,9	18,9	19,3
	6H	18,1	19,0	18,6	19,4	19,9	18,2	19,0	18,6	19,5	19,9
	8H	18,5	19,2	18,9	19,7	20,2	18,5	19,3	19,0	19,7	20,2
	12H	18,8	19,5	19,3	19,9	20,4	18,8	19,5	19,3	20,0	20,4
8H	4H	17,7	18,5	18,2	19,0	19,4	17,8	18,6	18,3	19,0	19,5
	6H	18,6	19,3	19,1	19,7	20,2	18,7	19,3	19,2	19,8	20,3
	8H	19,1	19,6	19,6	20,1	20,6	19,1	19,7	19,6	20,2	20,7
	12H	19,5	19,9	20,0	20,4	21,0	19,5	20,0	20,0	20,5	21,0
12H	4H	17,8	18,5	18,3	18,9	19,4	17,9	18,5	18,3	19,0	19,5
	6H	18,7	19,3	19,2	19,8	20,3	18,8	19,3	19,3	19,8	20,3
	8H	19,2	19,7	19,7	20,2	20,7	19,3	19,7	19,8	20,2	20,8

Leuchtdichten-Tabelle		Lichttechnische Abmessungen in mm: L = 555 B = 555											
Max. für $\gamma \geq 65^\circ$													
C-Ebenen	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	Leuchtdichte in cd/m²												
45°	4141.1	4194.5	4221.7	4222.6	4236.3	4278.5	4349.1	4278.5	4236.3	4222.6	4221.7	4194.5	4141.1
50°	3025.0	3225.3	3287.7	3212.2	3137.1	3227.7	3484.2	3227.7	3137.1	3212.2	3287.7	3225.3	3025.0
55°	2050.4	2577.4	2753.9	2579.9	2316.6	2461.7	3015.1	2461.7	2316.6	2579.9	2753.9	2577.4	2050.4
60°	1701.3	2194.9	2378.4	2251.7	1957.6	2053.6	2539.6	2053.6	1957.6	2251.7	2378.4	2194.9	1701.3
65°	1736.7	1997.4	2121.6	2109.2	1919.7	1926.4	2129.3	1926.4	1919.7	2109.2	2121.6	1997.4	1736.7
70°	1769.4	1872.1	1966.4	2052.6	1981.5	1894.4	1791.1	1894.4	1981.5	2052.6	1966.4	1872.1	1769.4
75°	1836.9	1928.2	2002.7	2060.4	1993.3	1906.6	1800.3	1906.6	1993.3	2060.4	2002.7	1928.2	1836.9
80°	2137.1	2127.4	2096.9	2045.5	2087.1	2150.4	2235.5	2150.4	2087.1	2045.5	2096.9	2127.4	2137.1
85°	2380.8	2242.7	2129.2	2040.3	2144.4	2206.6	2226.7	2206.6	2144.4	2040.3	2129.2	2242.7	2380.8

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Leuchtdichten in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85°

