

Lichttechnischer Prüfbefund

Familie
Apollon® 31

Bestell-Nr.: 51MP11WD2N42
EAN: 4058352926246

LP-Nummer
59515_7



Ausführung Einbauleuchte für Einlegemontage, quadratisch M625, breit strahlend, einstellbare Farbtemperatur: 4000 K | 5000 K, UGR≤19 (L65≤3000cd/m²)

Bestückung LED 4000 K | CRI ≥ 80

Betriebsgerät EVG-DALI

Einstellung Werkseinstellung: Farbtemperatur 4000K

Bemessungswerte Nettolichtstrom = 4000 lm
Systemleistung = 27.5 W
Lichtausbeute = 145.5 lm/W

Seriendokumentation
11.12.2023

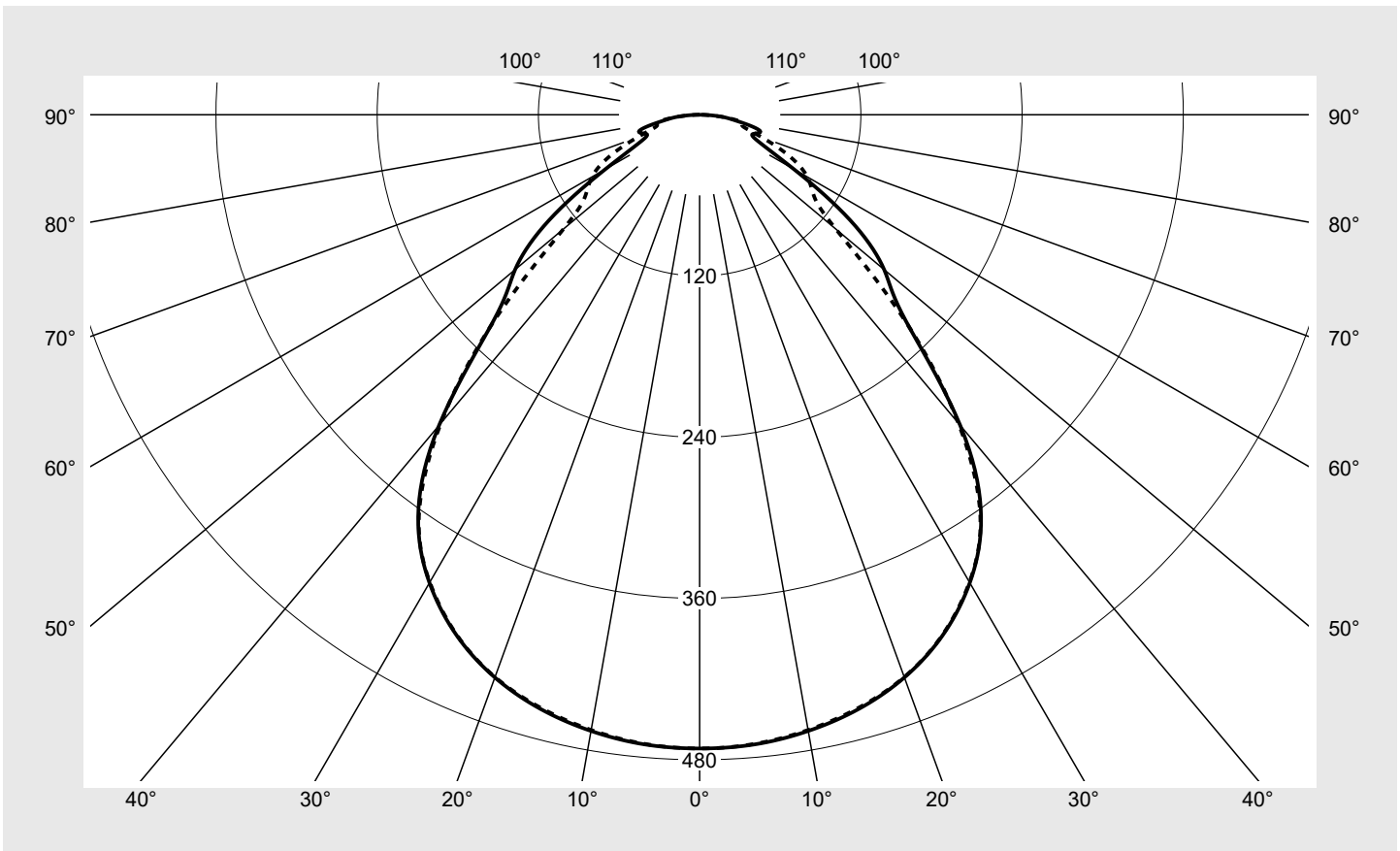
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Lichtstärke in cd/klm

C180-0

C270-90

Imax: 472 cd/klm



Klassifizierungen

DIN 5040 A 5 0
CIE N1=62 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
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C- Ebenen	0°	15° 345°	30° 330°	45° 315°	60° 300°	75° 285°	90° 270°
γ	Lichtstärke in cd/klm						
0°	471.6	471.6	471.6	471.6	471.6	471.6	471.6
5°	470.4	470.1	470.0	470.0	470.0	470.0	470.0
10°	465.6	465.5	465.4	465.1	464.9	464.9	464.9
15°	457.8	457.8	457.6	457.3	456.9	456.8	456.9
20°	445.6	445.7	445.5	445.2	444.7	444.8	445.3
25°	427.7	427.4	427.2	427.1	427.0	427.1	427.3
30°	402.2	401.5	401.3	401.5	401.8	401.9	401.7
35°	365.2	363.5	363.1	364.0	365.5	365.6	364.2
40°	301.7	296.3	295.4	298.8	303.9	304.2	299.6
45°	217.2	205.7	202.8	208.5	217.9	220.2	215.3
50°	179.3	148.1	140.0	155.1	174.5	166.9	132.3
55°	136.8	115.8	111.1	122.8	136.2	129.8	103.4
60°	80.9	88.5	94.7	99.8	96.1	93.7	92.6
65°	49.9	65.2	73.8	75.8	65.2	64.9	74.8
70°	42.0	48.7	53.4	56.3	50.4	48.2	49.6
75°	46.6	41.4	40.0	42.4	43.7	40.7	33.3
80°	29.9	29.2	28.2	26.9	28.8	30.4	31.5
85°	16.1	14.8	14.1	14.0	15.0	15.3	15.1
90°	0.5	0.5	0.4	0.4	0.4	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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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°	471.6	471.6	471.6	471.6	471.6	471.6	2.8	2.8
5°	470.0	470.0	470.0	470.0	470.1	470.4	22.5	25.3
10°	464.9	464.9	465.1	465.4	465.5	465.6	44.3	69.6
15°	456.8	456.9	457.3	457.6	457.8	457.8	64.9	134.4
20°	444.8	444.7	445.2	445.5	445.7	445.6	83.5	217.9
25°	427.1	427.0	427.1	427.2	427.4	427.7	99.0	316.9
30°	401.9	401.8	401.5	401.3	401.5	402.2	110.1	426.9
35°	365.6	365.5	364.0	363.1	363.5	365.2	114.6	541.5
40°	304.2	303.9	298.8	295.4	296.3	301.7	105.7	647.2
45°	220.2	217.9	208.5	202.8	205.7	217.2	82.1	729.3
50°	166.9	174.5	155.1	140.0	148.1	179.3	65.8	795.1
55°	129.8	136.2	122.8	111.1	115.8	136.8	55.1	850.2
60°	93.7	96.1	99.8	94.7	88.5	80.9	44.3	894.4
65°	64.9	65.2	75.8	73.8	65.2	49.9	33.7	928.2
70°	48.2	50.4	56.3	53.4	48.7	42.0	26.0	954.1
75°	40.7	43.7	42.4	40.0	41.4	46.6	21.9	976.0
80°	30.4	28.8	26.9	28.2	29.2	29.9	15.7	991.7
85°	15.3	15.0	14.0	14.1	14.8	16.1	8.1	999.8
90°	0.3	0.4	0.4	0.4	0.5	0.5	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										
2H	2H	15,2	16,7	15,5	17,0	17,4	15,4	17,0	15,8	17,3	17,6
	3H	16,0	17,3	16,3	17,7	18,0	16,3	17,6	16,6	18,0	18,3
	4H	16,6	17,9	17,0	18,2	18,6	16,7	18,0	17,1	18,3	18,7
	6H	17,2	18,4	17,6	18,7	19,1	17,2	18,4	17,6	18,8	19,2
	8H	17,4	18,6	17,9	18,9	19,3	17,5	18,6	17,9	19,0	19,4
	12H	17,7	18,7	18,1	19,1	19,5	17,7	18,8	18,2	19,2	19,6
4H	2H	15,7	17,0	16,1	17,4	17,7	15,9	17,2	16,3	17,5	17,9
	3H	16,7	17,8	17,2	18,2	18,6	16,9	18,0	17,4	18,4	18,8
	4H	17,5	18,5	17,9	18,9	19,3	17,6	18,5	18,0	18,9	19,4
	6H	18,2	19,1	18,7	19,5	20,0	18,3	19,1	18,7	19,6	20,0
	8H	18,6	19,3	19,0	19,8	20,2	18,6	19,4	19,1	19,8	20,3
	12H	18,9	19,5	19,3	20,0	20,5	18,9	19,6	19,4	20,0	20,5
8H	4H	17,8	18,6	18,3	19,0	19,5	17,9	18,6	18,3	19,1	19,6
	6H	18,7	19,3	19,2	19,8	20,3	18,8	19,4	19,2	19,9	20,4
	8H	19,1	19,7	19,6	20,2	20,7	19,2	19,8	19,7	20,3	20,8
	12H	19,5	20,0	20,0	20,5	21,0	19,6	20,1	20,1	20,6	21,1
12H	4H	17,9	18,5	18,3	19,0	19,5	17,9	18,6	18,4	19,1	19,6
	6H	18,8	19,4	19,3	19,8	20,4	18,9	19,4	19,4	19,9	20,4
	8H	19,3	19,7	19,8	20,2	20,8	19,4	19,8	19,9	20,3	20,9

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°	3988.1	3777.2	3724.1	3828.7	4002.6	4044.6	3954.9	4044.6	4002.6	3828.7	3724.1	3777.2	3988.1
50°	3622.3	2991.9	2829.0	3133.7	3525.9	3372.2	2672.6	3372.2	3525.9	3133.7	2829.0	2991.9	3622.3
55°	3096.6	2620.9	2515.6	2780.7	3084.2	2937.7	2341.2	2937.7	3084.2	2780.7	2515.6	2620.9	3096.6
60°	2102.3	2297.3	2460.4	2591.7	2496.9	2434.5	2404.5	2434.5	2496.9	2591.7	2460.4	2297.3	2102.3
65°	1532.6	2001.9	2267.5	2329.4	2003.2	1993.0	2298.9	1993.0	2003.2	2329.4	2267.5	2001.9	1532.6
70°	1595.6	1847.2	2027.8	2137.4	1914.0	1829.3	1883.3	1829.3	1914.0	2137.4	2027.8	1847.2	1595.6
75°	2335.6	2076.8	2006.7	2125.3	2194.1	2042.4	1670.3	2042.4	2194.1	2125.3	2006.7	2076.8	2335.6
80°	2234.9	2181.1	2106.8	2012.1	2156.5	2269.9	2352.2	2269.9	2156.5	2012.1	2106.8	2181.1	2234.9
85°	2395.0	2198.8	2098.0	2092.1	2230.3	2281.3	2245.2	2281.3	2230.3	2092.1	2098.0	2198.8	2395.0

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Leuchtdichten in cd/m²

γ 65°	γ 70°	γ 75°	γ 80°	γ 85°
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