

Lichttechnischer Prüfbefund

Familie
Apollon® 21

Bestell-Nr.: 51MQ11WD2114
EAN: 4058352928103

LP-Nummer
59548_11



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

Bestückung LED 4000 K | CRI ≥ 90

Betriebsgerät EVG-DALI

Bemessungswerte Nettolichtstrom = 4100 lm
Systemleistung = 24.7 W
Lichtausbeute = 166 lm/W

Seriendokumentation
29.01.2024

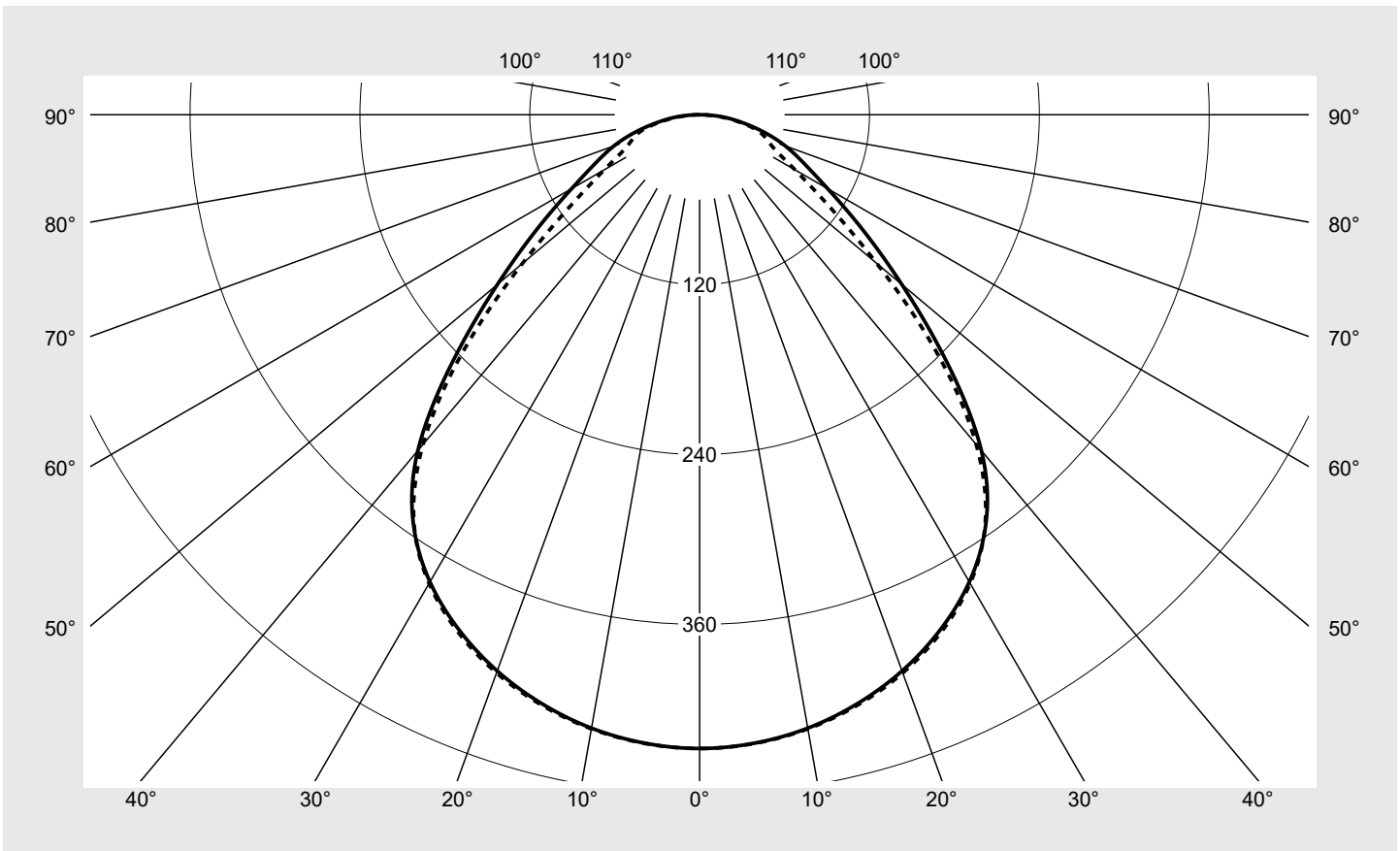
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Lichtstärke in cd/klm

C180-0

C270-90

Imax: 448 cd/klm



Klassifizierungen

DIN 5040 A 5 0
CIE N1=60 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° 180°	15°	30°	45°	60°	75°	90° 270°	Phi-Zone	Summe Phi-Zone
		165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°			
Lichtstärke in cd/klm								Lichtstrom in lm/klm	
γ									
0°	447.7	447.7	447.7	447.7	447.7	447.7	447.7	2.7	2.7
5°	445.6	445.7	445.8	445.8	445.8	445.8	445.8	21.3	24.0
10°	440.0	440.1	440.1	440.3	440.4	440.4	440.5	41.9	65.9
15°	430.7	430.8	431.0	431.2	431.3	431.5	431.7	61.2	127.0
20°	418.1	418.2	418.4	418.7	418.9	419.3	419.6	78.5	205.5
25°	401.8	401.9	402.1	402.3	402.5	403.0	403.5	93.2	298.8
30°	381.0	381.1	381.1	381.3	381.4	381.8	382.3	104.5	403.3
35°	352.6	352.4	352.2	351.8	351.4	351.6	351.9	110.7	513.9
40°	309.7	308.8	307.7	306.1	304.4	304.3	304.0	107.9	621.9
45°	246.9	244.2	241.6	240.8	240.1	238.2	236.2	93.4	715.3
50°	186.5	177.8	169.0	175.7	182.4	172.9	163.4	73.7	789.0
55°	139.5	126.8	114.1	127.5	140.9	125.4	110.0	56.8	845.8
60°	104.5	91.4	78.4	93.2	107.9	92.9	77.8	43.9	889.7
65°	81.4	68.9	56.4	69.2	82.0	70.6	59.2	34.6	924.3
70°	64.4	55.9	47.3	54.3	61.2	55.8	50.4	28.5	952.8
75°	46.6	44.8	42.9	42.8	42.8	42.3	41.8	22.9	975.7
80°	29.3	29.6	30.0	29.8	29.7	28.4	27.2	15.8	991.5
85°	15.1	13.9	12.6	14.5	16.3	14.7	13.0	7.8	999.4
90°	1.7	1.5	1.2	1.2	1.1	0.8	0.5	0.6	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-Tabelle		Standardraum									
		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
Raumabmessungen											
x	y										
2H	2H	15,7	17,3	16,0	17,6	17,9	15,7	17,3	16,1	17,6	17,9
	3H	16,7	18,1	17,1	18,5	18,8	16,6	18,0	17,0	18,4	18,7
	4H	17,3	18,6	17,7	19,0	19,4	17,1	18,4	17,5	18,8	19,1
	6H	17,8	19,0	18,2	19,4	19,8	17,6	18,8	18,0	19,2	19,5
	8H	18,1	19,2	18,5	19,6	20,0	17,8	18,9	18,2	19,3	19,7
	12H	18,2	19,3	18,7	19,7	20,1	17,9	19,0	18,4	19,4	19,8
4H	2H	16,1	17,4	16,5	17,7	18,1	16,2	17,5	16,5	17,8	18,2
	3H	17,3	18,4	17,7	18,8	19,2	17,3	18,4	17,8	18,8	19,2
	4H	18,0	19,0	18,5	19,4	19,9	18,0	19,0	18,4	19,4	19,8
	6H	18,7	19,6	19,2	20,0	20,5	18,6	19,5	19,1	19,9	20,3
	8H	19,0	19,8	19,5	20,2	20,7	18,9	19,6	19,3	20,1	20,6
	12H	19,2	19,9	19,7	20,4	20,9	19,1	19,7	19,5	20,2	20,7
8H	4H	18,4	19,1	18,8	19,6	20,1	18,3	19,1	18,8	19,5	20,0
	6H	19,2	19,8	19,7	20,3	20,8	19,1	19,7	19,6	20,2	20,7
	8H	19,5	20,1	20,0	20,6	21,1	19,4	20,0	19,9	20,5	21,0
	12H	19,9	20,3	20,4	20,8	21,4	19,7	20,2	20,2	20,7	21,2
12H	4H	18,4	19,1	18,9	19,6	20,1	18,4	19,0	18,8	19,5	20,0
	6H	19,3	19,9	19,8	20,3	20,9	19,2	19,7	19,7	20,2	20,7
	8H	19,7	20,2	20,2	20,7	21,2	19,6	20,1	20,1	20,6	21,1

Leuchtdichten-Tabelle	Max. für $\gamma \geq 65^\circ$	Lichttechnische Abmessungen in mm:	L = 554 B = 554
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C- Ebenen	γ	Leuchtdichte in cd/m ²							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		4664.9	4613.9	4564.2	4548.9	4536.8	4500.4	4461.7	
50°		3875.8	3694.4	3513.0	3651.7	3790.5	3593.0	3395.5	
55°		3248.3	2952.3	2656.4	2968.9	3281.5	2921.2	2560.9	
60°		2790.7	2443.3	2095.9	2489.7	2883.6	2481.5	2079.4	
65°		2574.1	2178.6	1783.1	2188.0	2592.9	2231.7	1870.5	
70°		2515.6	2182.3	1849.1	2119.9	2390.7	2180.2	1969.7	
75°		2404.1	2310.5	2211.9	2210.7	2209.4	2182.6	2155.7	
80°		2254.8	2279.9	2305.0	2295.0	2285.0	2184.0	2090.9	
85°		2319.5	2128.8	1938.3	2221.1	2503.9	2248.4	1992.9	

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

