

Lichttechnischer Prüfbefund

Familie
Apollon® 21



Bestell-Nr.: 51MQ14W72414M
EAN: 4058352928332

LP-Nummer
59548_33

Ausführung Einbauleuchte für Einlegemontage, Langfeld, breit strahlend, UGR≤19 (L65≤3000cd/m²)
Bestückung LED 4000 K | CRI ≥ 80
Betriebsgerät EVG
Bemessungswerte Nettolichtstrom = 4200 lm
 Systemleistung = 23.3 W
 Lichtausbeute = 180.3 lm/W

Seriendokumentation
29.01.2024

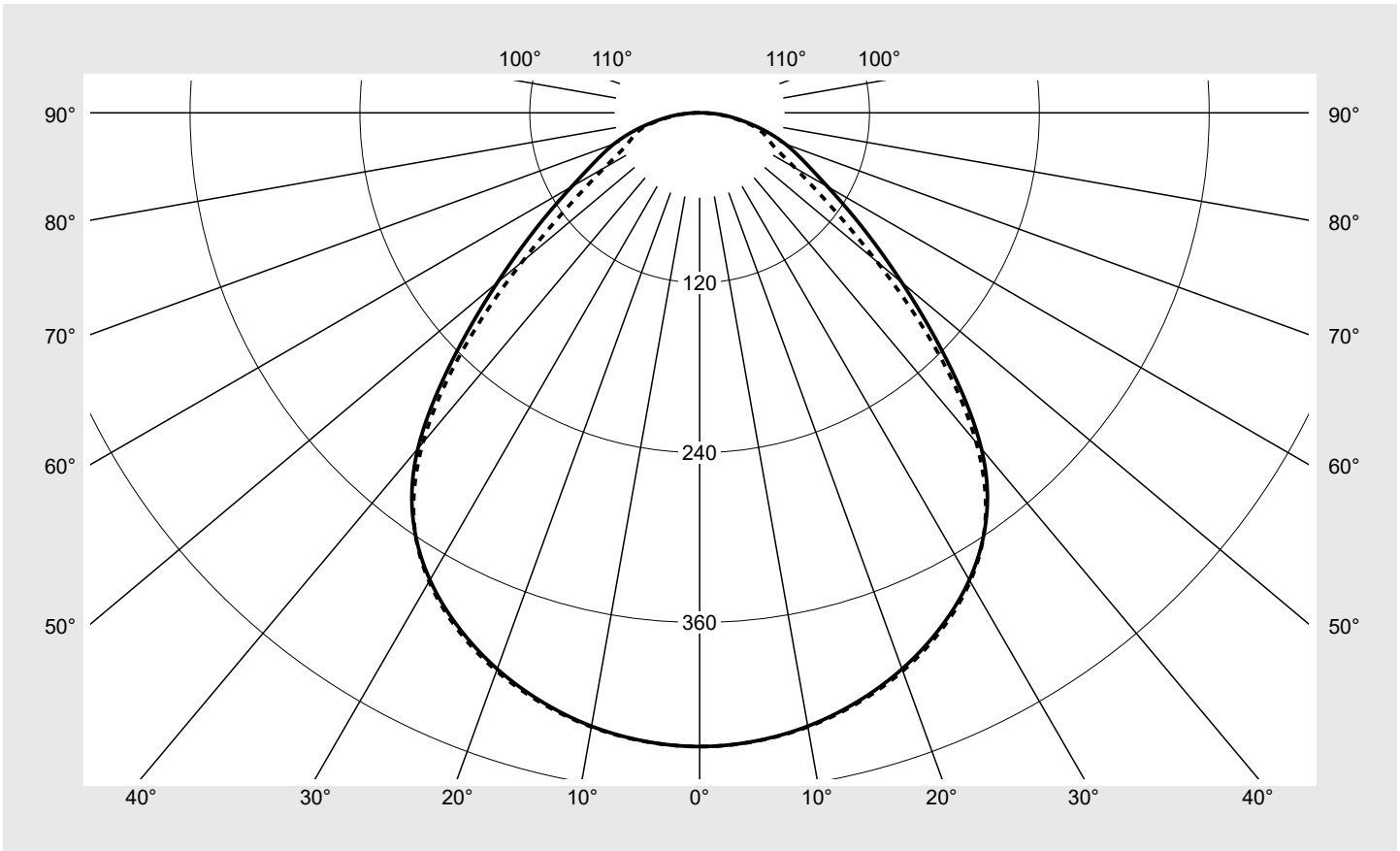
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Lichtstärke in cd/klm

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°			
γ									
Lichtstärke in cd/klm									
Lichtstrom in lm/klm									
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	17,2	16,0	17,5	17,9	15,7	17,3	16,1	17,6	17,9
	3H	16,7	18,1	17,1	18,4	18,8	16,6	18,0	17,0	18,3	18,7
	4H	17,3	18,6	17,7	19,0	19,3	17,1	18,4	17,5	18,7	19,1
	6H	17,8	19,0	18,2	19,4	19,8	17,5	18,8	18,0	19,1	19,5
	8H	18,0	19,2	18,5	19,5	19,9	17,8	18,9	18,2	19,3	19,7
	12H	18,2	19,2	18,6	19,6	20,1	17,9	18,9	18,3	19,3	19,8
4H	2H	16,0	17,4	16,4	17,7	18,1	16,1	17,4	16,5	17,8	18,2
	3H	17,3	18,4	17,7	18,7	19,2	17,3	18,4	17,7	18,8	19,2
	4H	18,0	19,0	18,5	19,4	19,8	18,0	18,9	18,4	19,4	19,8
	6H	18,7	19,6	19,2	20,0	20,4	18,6	19,4	19,0	19,9	20,3
	8H	19,0	19,7	19,4	20,2	20,7	18,8	19,6	19,3	20,0	20,5
	12H	19,2	19,9	19,7	20,3	20,8	19,0	19,7	19,5	20,2	20,7
8H	4H	18,3	19,1	18,8	19,6	20,0	18,3	19,0	18,7	19,5	20,0
	6H	19,2	19,8	19,7	20,3	20,8	19,0	19,7	19,5	20,2	20,7
	8H	19,5	20,1	20,0	20,6	21,1	19,4	20,0	19,9	20,4	21,0
	12H	19,8	20,3	20,3	20,8	21,3	19,7	20,2	20,2	20,7	21,2
12H	4H	18,4	19,1	18,9	19,5	20,0	18,3	19,0	18,8	19,5	20,0
	6H	19,3	19,8	19,8	20,3	20,8	19,2	19,7	19,7	20,2	20,7
	8H	19,7	20,1	20,2	20,6	21,2	19,6	20,0	20,1	20,5	21,1

Leuchtdichten-Tabelle	Max. für $\gamma \geq 65^\circ$	Lichttechnische Abmessungen in mm:	L = 1201 B = 264
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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°		4625.7	4575.2	4525.9	4510.7	4498.7	4462.6	4424.2	
50°		3843.2	3663.4	3483.5	3621.1	3758.7	3562.8	3367.0	
55°		3221.0	2927.5	2634.1	2944.0	3253.9	2896.6	2539.4	
60°		2767.3	2422.8	2078.3	2468.8	2859.4	2460.7	2061.9	
65°		2552.5	2160.3	1768.1	2169.7	2571.2	2213.0	1854.8	
70°		2494.5	2164.0	1833.5	2102.1	2370.6	2161.9	1953.2	
75°		2383.9	2291.1	2193.3	2192.2	2190.8	2164.2	2137.6	
80°		2235.9	2260.7	2285.6	2275.7	2265.8	2165.6	2073.3	
85°		2300.0	2110.9	1922.0	2202.4	2482.9	2229.5	1976.1	

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Leuchtdichten in cd/m²

γ 65°
γ 70°
γ 75°
γ 80°
γ 85°

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