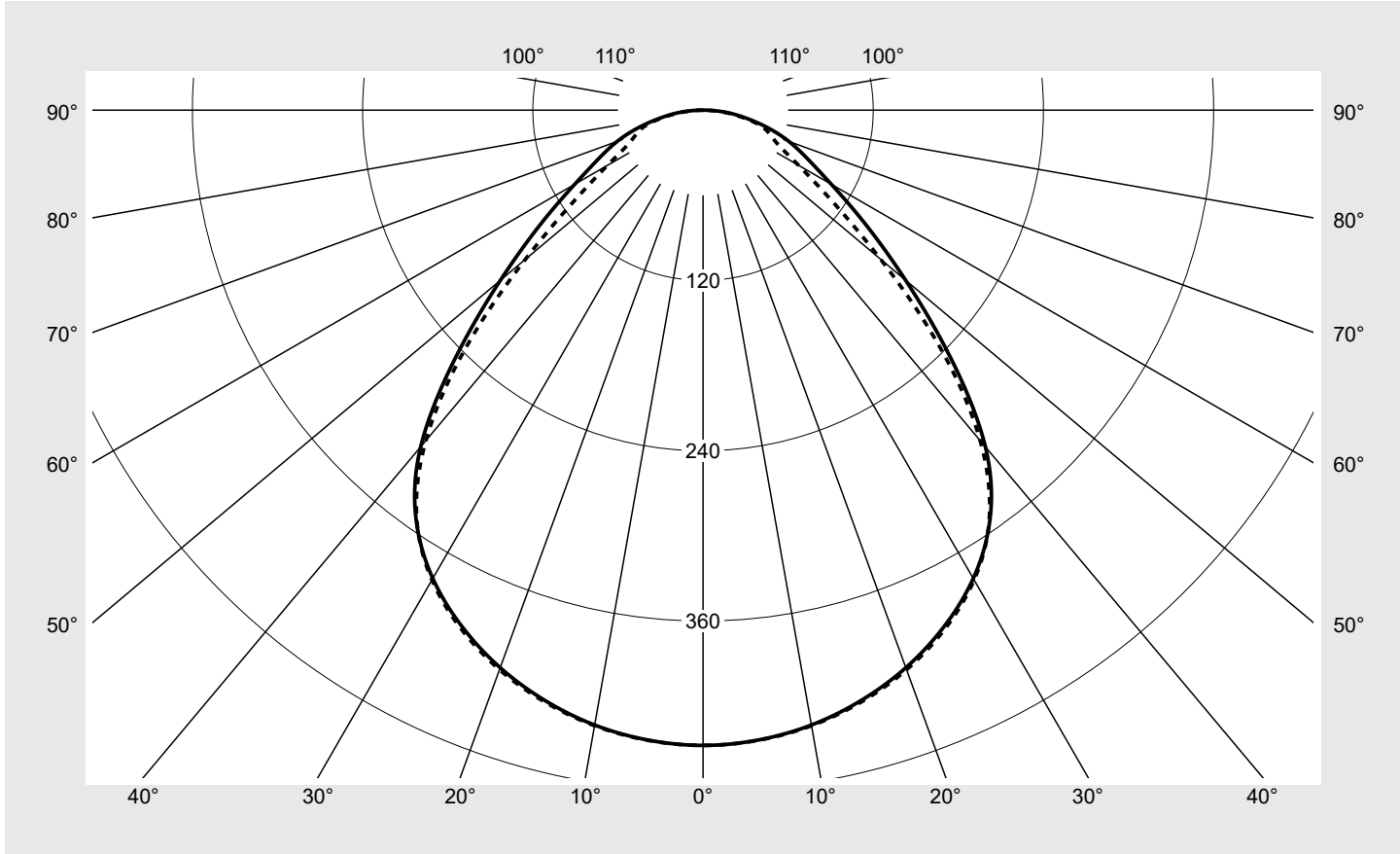


Lichttechnischer Prüfbefund

Familie Apollon® 21	Bestell-Nr.: 51MQ12WD2114 EAN: 4058352928233	LP-Nummer 59548_24
	Ausführung Einbauleuchte für Einlegemontage, quadratisch M600, breit strahlend, UGR≤19 (L65≤3000cd/m²)	Seriendokumentation 29.01.2024
	Bestückung LED 4000 K CRI ≥ 90 Betriebsgerät EVG-DALI Bemessungswerte Nettolichtstrom = 4100 lm Systemleistung = 24.7 W Lichtausbeute = 166 lm/W	

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

Lichttechnischer Prüfbefund

Familie Apollon® 21	Bestell-Nr.: 51MQ12WD2114 EAN: 4058352928233	LP-Nummer 59548_24
-------------------------------	---	------------------------------

Wertetabelle Lichtstärkemessung	Maximale Lichtstärke	sITeco
--	-----------------------------	---------------

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

Lichttechnischer Prüfbefund

Familie Apollon® 21	Bestell-Nr.: 51MQ12WD2114 EAN: 4058352928233	LP-Nummer 59548_24
-------------------------------	---	------------------------------

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
------------------------------	---------------------------------	------------------------------------	--------------------

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	

Lichttechnischer Prüfbefund

Familie Apollon® 21	Bestell-Nr.: 51MQ12WD2114 EAN: 4058352928233	LP-Nummer 59548_24
--------------------------------------	---	-------------------------------------

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

