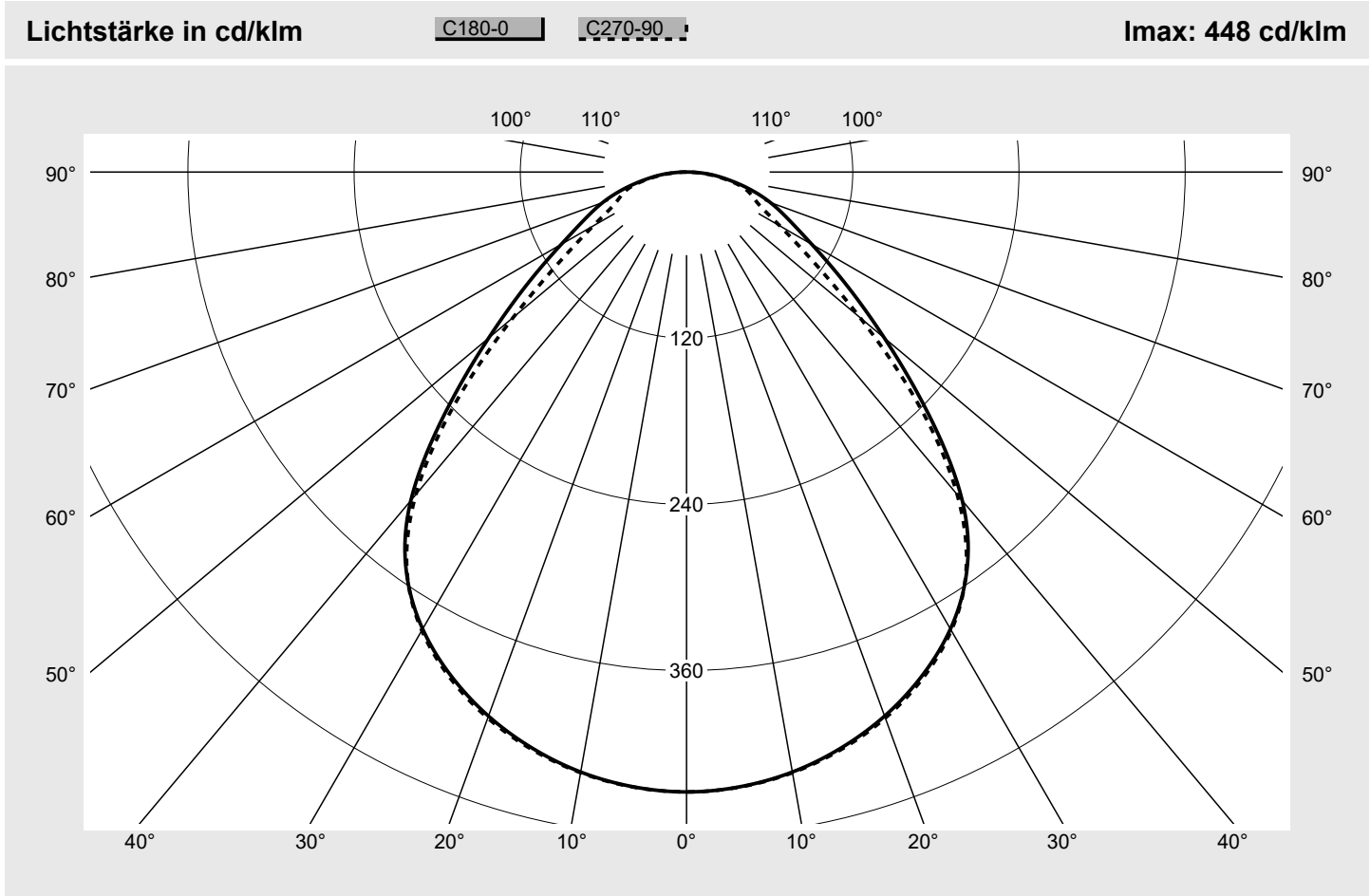


Lichttechnischer Prüfbefund

Familie Apollon® 21 	Bestell-Nr.: 51MQ18W72414 EAN: 4058352928400	LP-Nummer 59548_40
	Ausführung Einbauleuchte für Einlegemontage, Langfeld, breit strahlend, UGR≤19 (L65≤3000cd/m²) Bestückung LED 4000 K CRI ≥ 80 Betriebsgerät EVG Bemessungswerte Nettolichtstrom = 3820 lm Systemleistung = 21.9 W Lichtausbeute = 174.4 lm/W	Seriendokumentation 29.01.2024



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.: 51MQ18W72414 EAN: 4058352928400	LP-Nummer 59548_40
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Wertetabelle Lichtstärkemessung	Maximale Lichtstärke	sITeco
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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

Lichttechnischer Prüfbefund

Familie Apollon® 21	Bestell-Nr.: 51MQ18W72414 EAN: 4058352928400	LP-Nummer 59548_40
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UGR-Tabelle		Standardraum									
		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
Raumabmessungen											
x	y										
2H	2H	15,6	17,2	16,0	17,5	17,8	15,6	17,2	16,0	17,5	17,8
	3H	16,7	18,1	17,0	18,4	18,7	16,5	17,9	16,9	18,3	18,6
	4H	17,2	18,6	17,6	18,9	19,3	17,0	18,3	17,4	18,7	19,1
	6H	17,8	19,0	18,2	19,3	19,7	17,5	18,7	17,9	19,1	19,5
	8H	18,0	19,1	18,4	19,5	19,9	17,7	18,8	18,1	19,2	19,6
	12H	18,1	19,2	18,6	19,6	20,0	17,8	18,9	18,3	19,3	19,7
4H	2H	16,0	17,3	16,4	17,7	18,0	16,1	17,4	16,5	17,7	18,1
	3H	17,2	18,3	17,6	18,7	19,1	17,3	18,4	17,7	18,7	19,2
	4H	18,0	18,9	18,4	19,4	19,8	17,9	18,9	18,3	19,3	19,7
	6H	18,6	19,5	19,1	19,9	20,4	18,5	19,4	19,0	19,8	20,3
	8H	18,9	19,7	19,4	20,1	20,6	18,8	19,5	19,2	20,0	20,5
	12H	19,1	19,8	19,6	20,3	20,8	19,0	19,7	19,5	20,1	20,6
8H	4H	18,3	19,0	18,7	19,5	20,0	18,2	19,0	18,7	19,4	19,9
	6H	19,1	19,8	19,6	20,2	20,7	19,0	19,6	19,5	20,1	20,6
	8H	19,5	20,0	20,0	20,5	21,0	19,3	19,9	19,8	20,4	20,9
	12H	19,8	20,2	20,3	20,7	21,3	19,6	20,1	20,2	20,6	21,2
12H	4H	18,3	19,0	18,8	19,5	20,0	18,3	18,9	18,7	19,4	19,9
	6H	19,2	19,8	19,7	20,2	20,8	19,1	19,6	19,6	20,1	20,7
	8H	19,6	20,1	20,1	20,6	21,1	19,5	20,0	20,0	20,5	21,0

Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$	Lichttechnische Abmessungen in mm: L = 1154 B = 254
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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°		4550.9	4501.2	4452.8	4437.8	4426.0	4390.5	4352.7	
50°		3781.1	3604.1	3427.1	3562.5	3697.9	3505.2	3312.5	
55°		3168.9	2880.2	2591.5	2896.4	3201.3	2849.8	2498.3	
60°		2722.5	2383.6	2044.7	2428.9	2813.1	2420.9	2028.6	
65°		2511.3	2125.4	1739.6	2134.6	2529.6	2177.2	1824.8	
70°		2454.2	2129.0	1803.9	2068.1	2332.3	2126.9	1921.6	
75°		2345.4	2254.0	2157.8	2156.7	2155.4	2129.2	2103.1	
80°		2199.7	2224.2	2248.7	2238.9	2229.2	2130.6	2039.8	
85°		2262.8	2076.8	1891.0	2166.8	2442.7	2193.5	1944.2	

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

