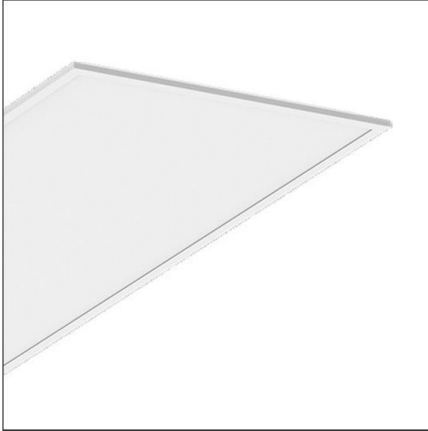


## Lichttechnischer Prüfbefund

**Familie**  
**Apollon® 21**



**Bestell-Nr.: 51MQ1AWD2M14**  
**EAN: 4058352928479**

**LP-Nummer**  
**59548\_49**

**Seriendokumentation**  
**31.01.2024**

**Ausführung** Einbauleuchte für Einlegemontage, Langfeld, breit strahlend, einstellbare Farbtemperatur: 3000 K | 4000 K, UGR≤19 (L65≤3000cd/m<sup>2</sup>)

**Bestückung** LED 3000 K | CRI ≥ 80

**Betriebsgerät** EVG-DALI

**Einstellung** indiv. Einstellung

**Bemessungswerte** Nettolichtstrom = 7000 lm  
Systemleistung = 44.5 W  
Lichtausbeute = 157.3 lm/W

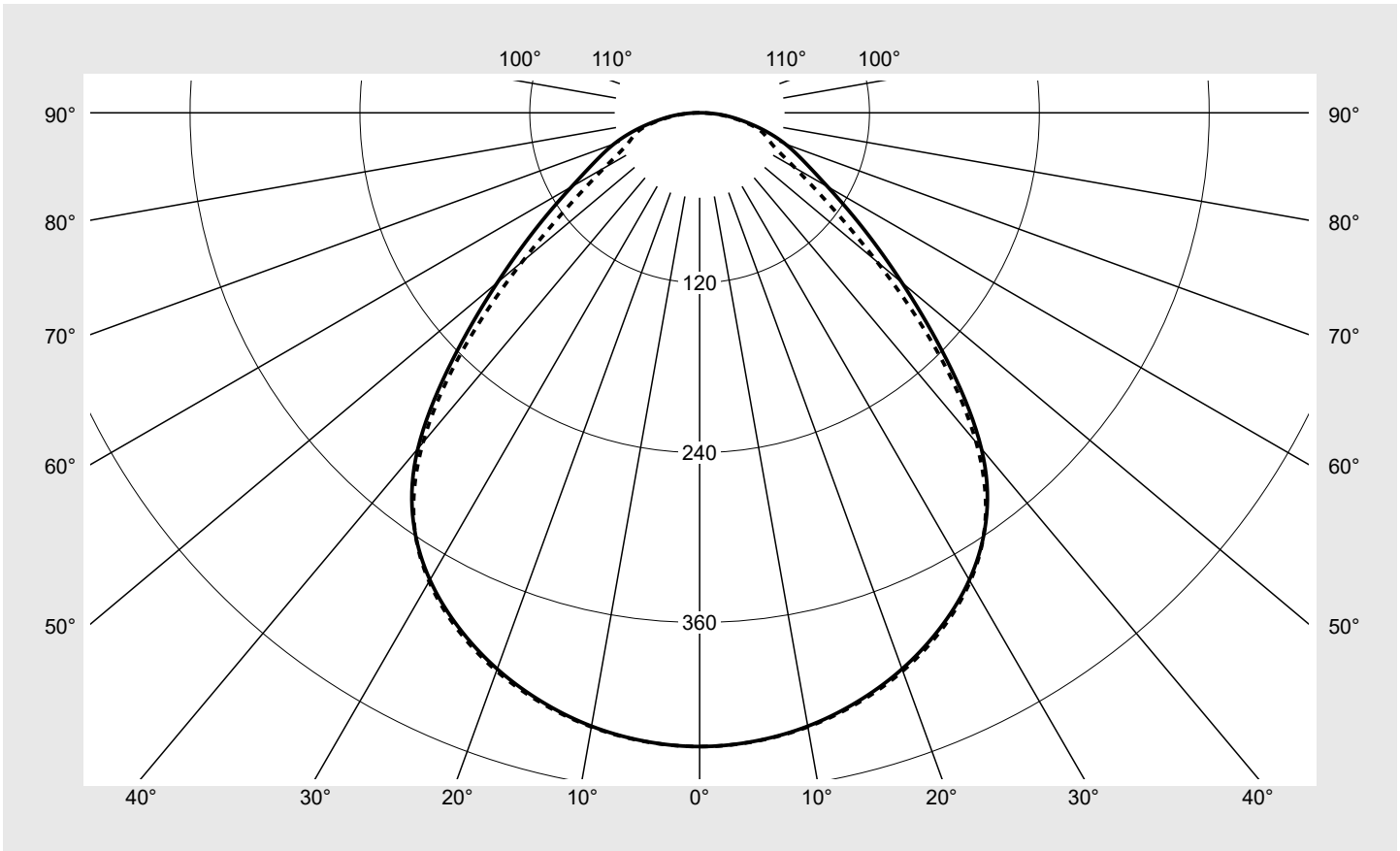
**siteco**

**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**

$\eta_{LB}$  100,0%  
 $\phi_u$  100,0%  
 $\phi_o$  0,0%

**Messbedingungen**

DIN EN 13032 und DIN 5032

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<b>Wertetabelle Lichtstärkemessung</b>	<b>Maximale Lichtstärke</b>	<b>sITeco</b>
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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	15,0	16,6	15,4	16,9	17,2	15,0	16,6	15,4	16,9	17,2
	3H	16,0	17,4	16,4	17,8	18,1	15,9	17,3	16,3	17,7	18,0
	4H	16,6	17,9	17,0	18,3	18,7	16,4	17,7	16,8	18,1	18,5
	6H	17,1	18,3	17,6	18,7	19,1	16,9	18,1	17,3	18,5	18,9
	8H	17,4	18,5	17,8	18,9	19,3	17,1	18,2	17,5	18,6	19,0
	12H	17,5	18,6	18,0	19,0	19,4	17,2	18,3	17,7	18,7	19,1
4H	2H	15,4	16,7	15,8	17,0	17,4	15,5	16,8	15,9	17,1	17,5
	3H	16,6	17,7	17,0	18,1	18,5	16,6	17,7	17,1	18,1	18,5
	4H	17,4	18,3	17,8	18,7	19,2	17,3	18,3	17,7	18,7	19,1
	6H	18,0	18,9	18,5	19,3	19,8	17,9	18,8	18,4	19,2	19,7
	8H	18,3	19,1	18,8	19,5	20,0	18,2	18,9	18,6	19,4	19,9
	12H	18,5	19,2	19,0	19,7	20,2	18,4	19,1	18,9	19,5	20,0
8H	4H	17,7	18,4	18,1	18,9	19,4	17,6	18,4	18,1	18,8	19,3
	6H	18,5	19,1	19,0	19,6	20,1	18,4	19,0	18,9	19,5	20,0
	8H	18,9	19,4	19,3	19,9	20,4	18,7	19,3	19,2	19,8	20,3
	12H	19,2	19,6	19,7	20,1	20,7	19,0	19,5	19,5	20,0	20,6
12H	4H	17,7	18,4	18,2	18,9	19,4	17,7	18,3	18,1	18,8	19,3
	6H	18,6	19,2	19,1	19,6	20,2	18,5	19,0	19,0	19,5	20,0
	8H	19,0	19,5	19,5	20,0	20,5	18,9	19,4	19,4	19,9	20,4

<b>Leuchtdichten-Tabelle</b> Max. für $\gamma \geq 65^\circ$	<b>Lichttechnische Abmessungen in mm:</b> L = 1154 B = 554
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C-Ebenen	$\gamma$	Leuchtdichte in cd/m <sup>2</sup>							
		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°		3823.5	3781.7	3741.0	3728.5	3718.5	3688.7	3656.9	
50°		3176.7	3028.0	2879.3	2993.1	3106.8	2944.9	2783.0	
55°		2662.4	2419.8	2177.3	2433.4	2689.6	2394.3	2099.0	
60°		2287.3	2002.6	1717.9	2040.7	2363.5	2033.9	1704.3	
65°		2109.8	1785.7	1461.5	1793.4	2125.3	1829.2	1533.1	
70°		2061.9	1788.7	1515.5	1737.5	1959.5	1787.0	1614.4	
75°		1970.5	1893.7	1812.9	1812.0	1810.9	1788.9	1766.9	
80°		1848.1	1868.7	1889.2	1881.0	1872.8	1790.0	1713.7	
85°		1901.1	1744.8	1588.7	1820.5	2052.3	1842.8	1633.4	

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Leuchtdichten in cd/m<sup>2</sup>      γ 65°    γ 70°    γ 75°    γ 80°    γ 85°      **siteco**

