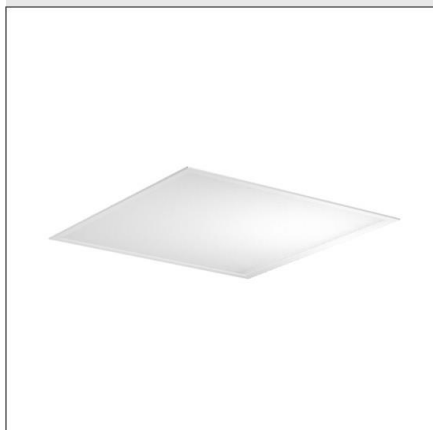


## Lichttechnischer Prüfbefund

**Familie**  
**Apollon® 21**

**Bestell-Nr.: 51MQ12W72313**  
**EAN: 4058352467206**

**LP-Nummer**  
**59189\_9**



**Ausführung** Einbauleuchte für Einlegemontage, quadratisch M600, breit strahlend, UGR≤19 (L65≤3000cd/m<sup>2</sup>)

**Bestückung** LED 3000 K | CRI ≥ 80

**Betriebsgerät** EVG

**Bemessungswerte**  
Nettolichtstrom = 4000 lm  
Systemleistung = 33.0 W  
Lichtausbeute = 121.2 lm/W

**Seriendokumentation**  
**30.07.2021**

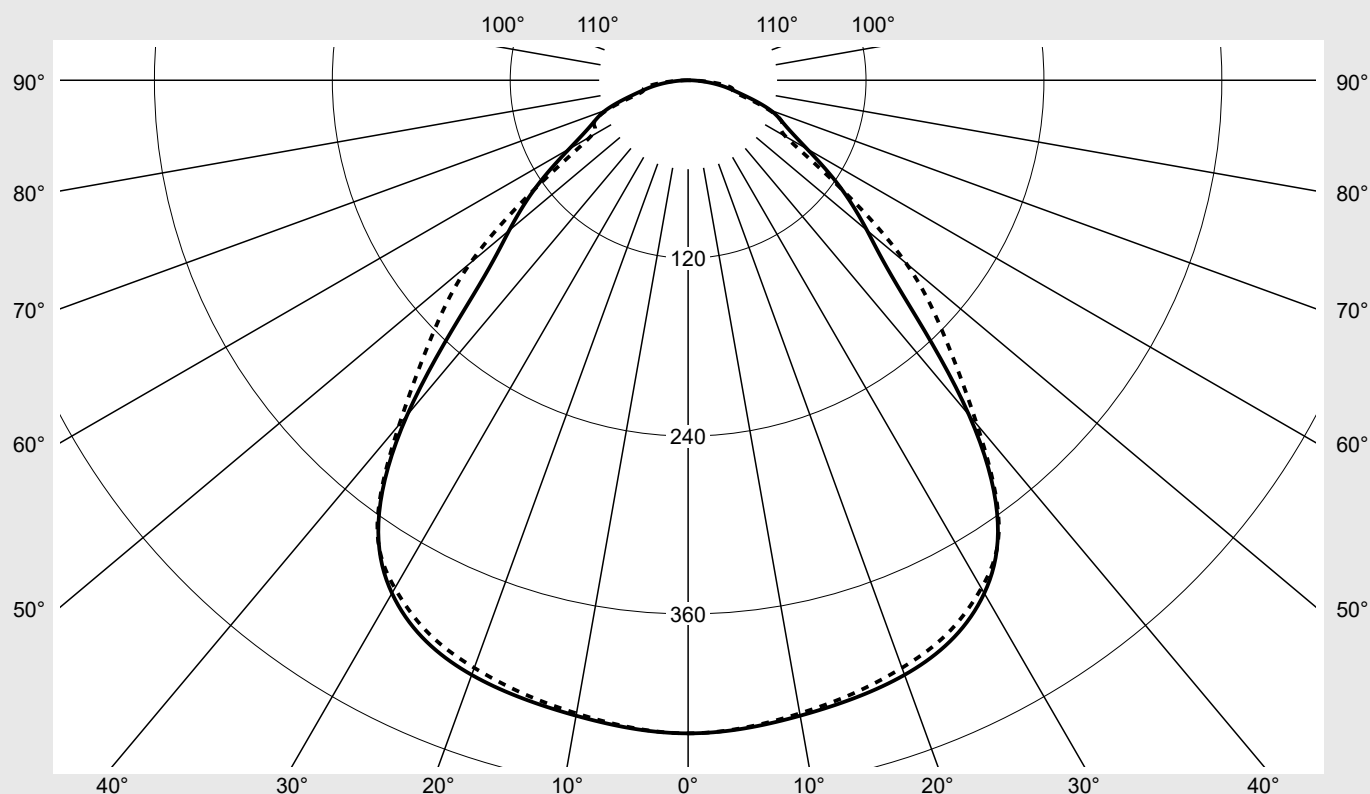
**sitEco**

**Lichtstärke in cd/klm**

**C180-0**

**C270-90**

**Imax: 441 cd/klm**



**Klassifizierungen**

DIN 5040 A 5 0  
CIE N1=61 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

## Lichttechnischer Prüfbefund

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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°			
Lichtstärke in cd/klm								Lichtstrom in lm/klm	
0°	440.5	440.5	440.5	440.5	440.5	440.5	440.5	2.6	2.6
5°	438.8	438.8	438.6	438.5	438.5	438.3	438.3	21.0	23.6
10°	435.2	435.1	434.7	434.4	434.1	433.8	433.7	41.3	64.9
15°	431.6	431.4	430.4	429.9	429.6	429.0	428.4	61.0	125.9
20°	426.8	426.3	425.0	424.1	423.4	422.6	421.8	79.5	205.5
25°	417.7	417.7	416.7	414.8	413.3	412.5	412.4	96.1	301.6
30°	399.5	400.5	401.0	397.6	394.4	394.6	395.6	109.0	410.6
35°	364.2	367.4	370.3	365.2	360.1	362.1	365.4	114.8	525.4
40°	294.8	297.9	307.7	297.1	292.2	294.7	303.1	105.0	630.4
45°	205.1	222.7	247.3	222.6	200.5	217.8	244.8	86.3	716.7
50°	157.5	177.3	190.7	176.7	153.0	173.1	191.8	73.2	789.8
55°	124.7	136.0	121.5	132.7	125.1	133.7	122.3	57.8	847.6
60°	92.7	98.6	77.8	97.8	93.3	98.2	76.0	43.5	891.2
65°	72.5	74.6	71.4	73.3	71.5	72.7	70.1	36.0	927.2
70°	59.2	55.7	56.1	55.6	60.5	55.5	57.5	29.3	956.5
75°	38.8	40.1	34.7	40.4	39.9	39.1	33.8	20.3	976.8
80°	24.7	28.1	28.6	29.3	23.8	29.2	29.9	15.0	991.8
85°	11.2	14.7	15.9	14.6	10.8	15.0	16.0	7.7	999.5
90°	0.9	1.5	1.3	1.2	0.5	0.6	0.3	0.5	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

<b>Familie</b> Apollon® 21	<b>Bestell-Nr.: 51MQ12W72313</b> <b>EAN: 4058352467206</b>	<b>LP-Nummer</b> 59189_9
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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	16,1	17,6	17,9	15,6	17,1	15,9	17,5	17,8
	3H	16,7	18,1	17,1	18,4	18,8	16,6	18,0	17,0	18,3	18,7
	4H	17,2	18,5	17,6	18,8	19,2	17,0	18,3	17,4	18,7	19,0
	6H	17,6	18,8	18,0	19,1	19,5	17,5	18,7	17,9	19,0	19,4
	8H	17,8	18,9	18,2	19,2	19,6	17,8	18,9	18,2	19,3	19,7
	12H	17,9	18,9	18,3	19,3	19,7	18,0	19,0	18,4	19,4	19,8
4H	2H	16,1	17,4	16,5	17,8	18,2	16,0	17,3	16,4	17,7	18,1
	3H	17,3	18,4	17,8	18,8	19,2	17,3	18,4	17,7	18,8	19,2
	4H	17,9	18,9	18,4	19,3	19,7	17,9	18,8	18,3	19,3	19,7
	6H	18,5	19,3	18,9	19,8	20,2	18,5	19,3	18,9	19,8	20,2
	8H	18,7	19,5	19,2	19,9	20,4	18,8	19,6	19,3	20,0	20,5
	12H	18,9	19,6	19,4	20,0	20,5	19,1	19,8	19,6	20,2	20,7
8H	4H	18,2	19,0	18,6	19,4	19,9	18,1	18,9	18,6	19,3	19,8
	6H	18,9	19,6	19,4	20,0	20,5	18,9	19,5	19,3	20,0	20,5
	8H	19,3	19,8	19,8	20,3	20,8	19,2	19,8	19,7	20,3	20,8
	12H	19,6	20,0	20,1	20,5	21,1	19,6	20,1	20,1	20,6	21,1
12H	4H	18,2	18,9	18,7	19,4	19,9	18,2	18,9	18,7	19,3	19,8
	6H	19,0	19,6	19,5	20,1	20,6	19,0	19,5	19,5	20,0	20,5
	8H	19,4	19,9	19,9	20,4	20,9	19,4	19,9	19,9	20,4	20,9

## Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$

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°	3863.8	4195.1	4657.8	4192.6	3776.6	4101.9	4610.8	
	50°	3264.4	3674.6	3952.5	3661.3	3171.4	3587.2	3975.0	
	55°	2894.7	3158.0	2820.9	3082.6	2904.2	3103.8	2840.5	
	60°	2468.3	2627.6	2073.1	2605.5	2484.3	2616.1	2025.1	
	65°	2284.4	2351.7	2251.3	2310.6	2252.9	2291.4	2210.9	
	70°	2304.4	2168.2	2184.2	2165.9	2355.1	2162.3	2240.0	
	75°	1997.1	2061.5	1787.8	2077.5	2051.2	2010.0	1739.8	
	80°	1891.6	2153.7	2195.9	2251.2	1821.8	2238.2	2295.8	
	85°	1714.6	2247.3	2426.4	2229.0	1647.2	2285.5	2449.4	

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**Leuchtdichten in cd/m<sup>2</sup>**

γ 65°
γ 70°
γ 75°
γ 80°
γ 85°

