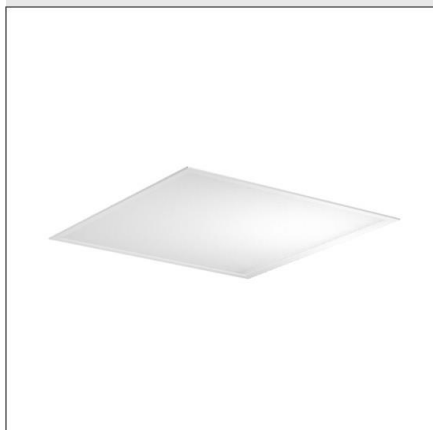


## Lichttechnischer Prüfbefund

**Familie**  
**Apollon® 31**

**Bestell-Nr.: 51MP12N72442**  
**EAN: 4058352926338**

**LP-Nummer**  
**59514\_2**



**Ausführung** Einbauleuchte für Einlegemontage, quadratisch  
M600, opal, extrem breit strahlend

**Bestückung** LED 4000 K | CRI ≥ 80

**Betriebsgerät** EVG

**Bemessungswerte** Nettolichtstrom = 4000 lm  
Systemleistung = 27.5 W  
Lichtausbeute = 145.5 lm/W

**Seriendokumentation**  
11.12.2023

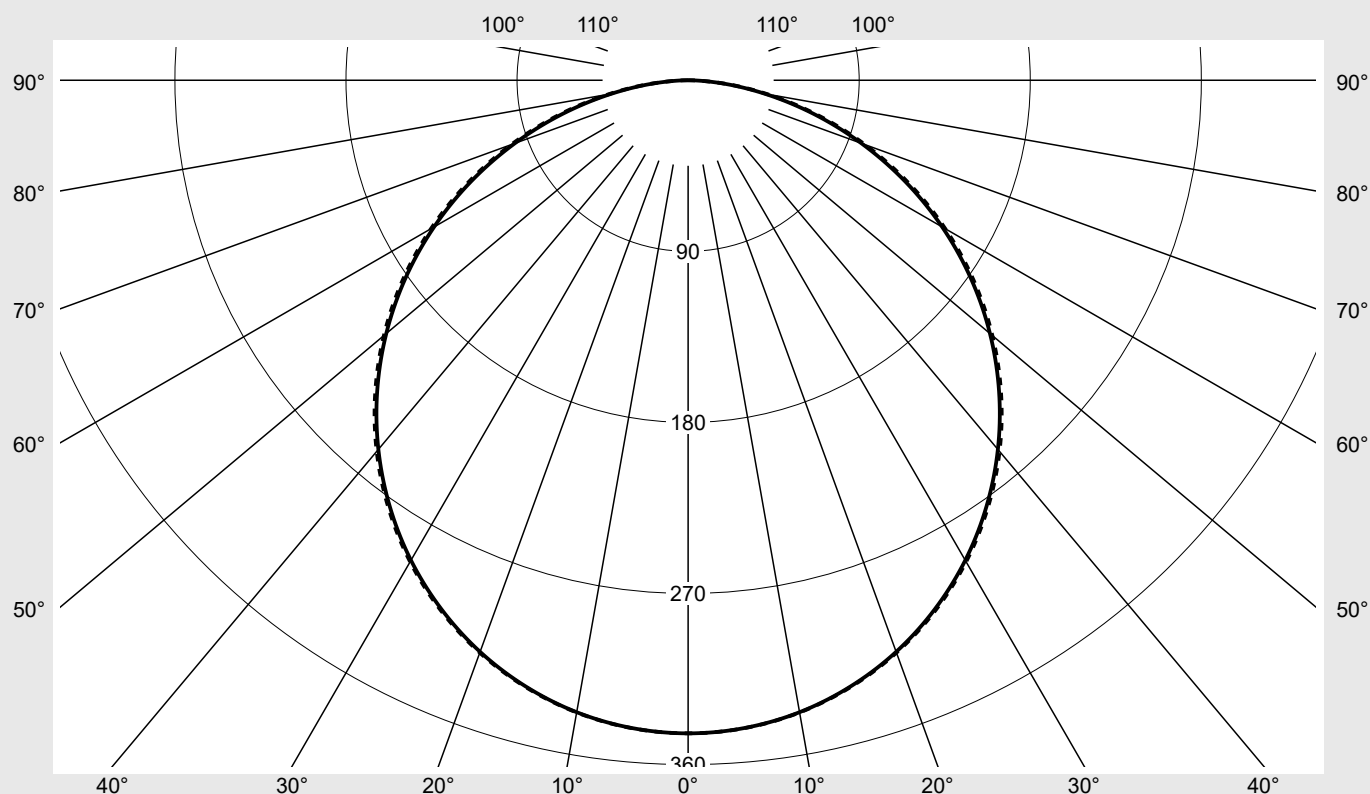
**sITeco**

**Lichtstärke in cd/klm**

**C180-0**

**C270-90**

**Imax: 344 cd/klm**



**Klassifizierungen**

DIN 5040 A 4 0  
CIE N1=47 N2=78 N3=95  
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

<b>Familie</b> <b>Apollon® 31</b>	<b>Bestell-Nr.: 51MP12N72442</b> <b>EAN: 4058352926338</b>	<b>LP-Nummer</b> <b>59514_2</b>
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<b>Wertetabelle Lichtstärkemessung</b>	<b>Maximale Lichtstärke</b>	<b>siteco</b>
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C- Ebenen	0°	15° 345°	30° 330°	45° 315°	60° 300°	75° 285°	90° 270°
$\gamma$	Lichtstärke in cd/klm						
0°	343.6	343.6	343.6	343.6	343.6	343.6	343.6
5°	342.0	342.1	342.1	342.1	342.2	342.2	342.1
10°	337.6	337.6	337.7	337.7	337.8	337.8	337.7
15°	330.2	330.3	330.4	330.4	330.5	330.6	330.5
20°	320.0	320.1	320.2	320.3	320.4	320.5	320.5
25°	307.1	307.1	307.3	307.5	307.6	307.8	307.8
30°	291.6	291.7	291.9	292.1	292.3	292.5	292.5
35°	273.7	273.8	274.0	274.3	274.5	274.8	274.8
40°	253.5	253.6	253.9	254.2	254.5	254.8	254.9
45°	231.3	231.4	231.7	232.0	232.4	232.8	232.8
50°	207.3	207.3	207.6	208.0	208.5	208.8	209.0
55°	181.6	181.6	181.9	182.3	182.8	183.2	183.3
60°	154.3	154.4	154.7	155.1	155.6	156.0	156.2
65°	126.0	126.1	126.4	126.8	127.4	127.8	128.0
70°	97.1	97.2	97.5	97.9	98.5	98.9	99.0
75°	68.4	68.5	68.8	69.3	69.8	70.1	70.3
80°	41.1	41.2	41.6	42.0	42.2	42.5	42.6
85°	17.1	17.2	17.4	17.5	17.8	17.9	18.0
90°	0.5	0.4	0.4	0.3	0.3	0.2	0.2
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

## Lichttechnischer Prüfbefund

<b>Familie</b> <b>Apollon® 31</b>	<b>Bestell-Nr.: 51MP12N72442</b> <b>EAN: 4058352926338</b>	<b>LP-Nummer</b> <b>59514_2</b>
<b>Wertetabelle Lichtstärkemessung</b>		<b>Maximale Lichtstärke</b>
		<b>siteco</b>

C- Ebenen	105° 255°	120° 240°	135° 225°	150° 210°	165° 195°	180°	Phi-Zone	Summe Phi-Zone
$\gamma$	Lichtstärke in cd/klm						Lichtstrom in lm/klm	
0°	343.6	343.6	343.6	343.6	343.6	343.6	2.1	2.1
5°	342.2	342.2	342.1	342.1	342.1	342.0	16.3	18.4
10°	337.8	337.8	337.7	337.7	337.6	337.6	32.1	50.5
15°	330.6	330.5	330.4	330.4	330.3	330.2	46.9	97.4
20°	320.5	320.4	320.3	320.2	320.1	320.0	60.0	157.5
25°	307.8	307.6	307.5	307.3	307.1	307.1	71.2	228.7
30°	292.5	292.3	292.1	291.9	291.7	291.6	80.1	308.7
35°	274.8	274.5	274.3	274.0	273.8	273.7	86.2	395.0
40°	254.8	254.5	254.2	253.9	253.6	253.5	89.6	484.5
45°	232.8	232.4	232.0	231.7	231.4	231.3	89.9	574.5
50°	208.8	208.5	208.0	207.6	207.3	207.3	87.4	661.8
55°	183.2	182.8	182.3	181.9	181.6	181.6	81.9	743.7
60°	156.0	155.6	155.1	154.7	154.4	154.3	73.7	817.4
65°	127.8	127.4	126.8	126.4	126.1	126.0	63.1	880.4
70°	98.9	98.5	97.9	97.5	97.2	97.1	50.5	930.9
75°	70.1	69.8	69.3	68.8	68.5	68.4	36.7	967.6
80°	42.5	42.2	42.0	41.6	41.2	41.1	22.6	990.2
85°	17.9	17.8	17.5	17.4	17.2	17.1	9.6	999.8
90°	0.2	0.3	0.3	0.4	0.4	0.5	0.2	1000.0
95°	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	1000.0
105°	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	1000.0
115°	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	1000.0
125°	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	1000.0
135°	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	1000.0
145°	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	1000.0
155°	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	1000.0
165°	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	1000.0
175°	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	1000.0

## Lichttechnischer Prüfbefund

<b>Familie</b> Apollon® 31	<b>Bestell-Nr.: 51MP12N72442</b> <b>EAN: 4058352926338</b>	<b>LP-Nummer</b> 59514_2
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<b>UGR-Tabelle</b>	<b>Standardraum</b>	<b>siteco</b>
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Reflexionsgrad Decke	0,7	0,7	0,5	0,5	0,3	0,7	0,7	0,5	0,5	0,3	
Reflexionsgrad Wände	0,5	0,3	0,5	0,3	0,3	0,5	0,3	0,5	0,3	0,3	
Reflexionsgrad Boden	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	
<b>Raumabmessungen</b>	<b>Blickrichtung quer zur Leuchte (C0)</b>					<b>Blickrichtung längs zur Leuchte (C90)</b>					
x	y										
2H	2H	17,3	19,0	17,6	19,3	19,6	17,3	19,0	17,7	19,3	19,7
	3H	18,9	20,5	19,3	20,8	21,2	19,0	20,6	19,4	20,9	21,2
	4H	19,6	21,1	20,0	21,4	21,8	19,7	21,1	20,1	21,5	21,9
	6H	20,1	21,4	20,5	21,8	22,2	20,2	21,6	20,6	21,9	22,3
	8H	20,3	21,6	20,7	21,9	22,3	20,4	21,7	20,8	22,1	22,5
	12H	20,4	21,6	20,8	22,0	22,4	20,5	21,7	21,0	22,1	22,5
4H	2H	18,1	19,5	18,5	19,9	20,2	18,1	19,6	18,5	19,9	20,3
	3H	19,9	21,1	20,3	21,5	21,9	20,0	21,2	20,4	21,6	22,0
	4H	20,7	21,8	21,1	22,2	22,6	20,8	21,9	21,2	22,3	22,7
	6H	21,3	22,3	21,8	22,7	23,2	21,4	22,4	21,9	22,8	23,3
	8H	21,5	22,4	22,0	22,9	23,3	21,6	22,5	22,1	23,0	23,5
	12H	21,7	22,5	22,2	22,9	23,4	21,8	22,6	22,3	23,1	23,6
8H	4H	21,1	21,9	21,5	22,4	22,9	21,1	22,0	21,6	22,5	22,9
	6H	21,8	22,5	22,3	23,0	23,5	21,9	22,6	22,4	23,1	23,6
	8H	22,1	22,7	22,6	23,2	23,7	22,2	22,9	22,7	23,3	23,8
	12H	22,3	22,9	22,8	23,4	23,9	22,4	23,0	22,9	23,5	24,0
12H	4H	21,1	21,9	21,6	22,4	22,9	21,2	22,0	21,7	22,4	22,9
	6H	21,9	22,5	22,4	23,0	23,5	22,0	22,6	22,5	23,1	23,6
	8H	22,2	22,8	22,7	23,3	23,8	22,3	22,9	22,8	23,4	23,9

<b>Leuchtdichten-Tabelle</b>	<b>Max. für <math>\gamma \geq 65^\circ</math></b>	<b>Lichttechnische Abmessungen in mm:</b>	<b>L = 555</b>	<b>B = 555</b>
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<b>C-Ebenen</b>	<b>0°</b>	<b>15°</b>	<b>30°</b>	<b>45°</b>	<b>60°</b>	<b>75°</b>	<b>90°</b>	<b>105°</b>	<b>120°</b>	<b>135°</b>	<b>150°</b>	<b>165°</b>	<b>180°</b>
	<b>345°</b>	<b>330°</b>	<b>315°</b>	<b>300°</b>	<b>285°</b>	<b>270°</b>	<b>255°</b>	<b>240°</b>	<b>225°</b>	<b>210°</b>	<b>195°</b>		
$\gamma$	<b>Leuchtdichte in cd/m²</b>												
45°	4248.6	4249.6	4254.9	4261.0	4268.7	4274.9	4276.0	4274.9	4268.7	4261.0	4254.9	4249.6	4248.6
50°	4188.2	4188.6	4194.6	4201.9	4211.2	4218.7	4221.3	4218.7	4211.2	4201.9	4194.6	4188.6	4188.2
55°	4110.6	4111.7	4117.4	4126.4	4137.8	4147.3	4150.2	4147.3	4137.8	4126.4	4117.4	4111.7	4110.6
60°	4008.5	4010.6	4016.8	4028.0	4040.5	4052.5	4056.6	4052.5	4040.5	4028.0	4016.8	4010.6	4008.5
65°	3873.2	3875.9	3884.5	3896.5	3913.8	3926.7	3933.1	3926.7	3913.8	3896.5	3884.5	3875.9	3873.2
70°	3685.5	3689.3	3700.7	3718.5	3738.3	3755.0	3760.7	3755.0	3738.3	3718.5	3700.7	3689.3	3685.5
75°	3432.1	3436.7	3453.3	3477.9	3503.0	3519.0	3526.1	3519.0	3503.0	3477.9	3453.3	3436.7	3432.1
80°	3074.0	3083.7	3109.9	3138.3	3158.6	3177.3	3183.3	3177.3	3158.6	3138.3	3109.9	3083.7	3074.0
85°	2547.7	2567.1	2587.9	2614.8	2647.7	2668.5	2676.0	2668.5	2647.7	2614.8	2587.9	2567.1	2547.7

**Lichttechnischer Prüfbefund**

**Familie**  
**Apollon® 31**

**Bestell-Nr.: 51MP12N72442**  
**EAN: 4058352926338**

**LP-Nummer**  
**59514\_2**

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

$\gamma$  65°   
   $\gamma$  70°   
   $\gamma$  75°   
   $\gamma$  80°   
   $\gamma$  85°

