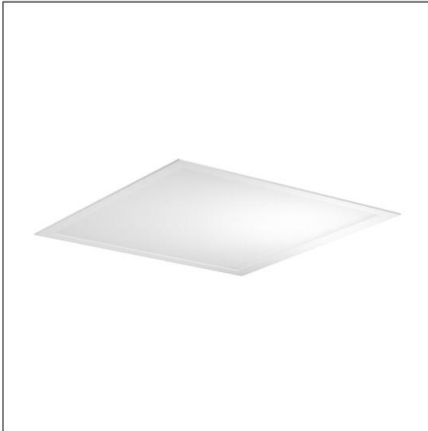


## Lichttechnischer Prüfbefund

**Familie**  
**Apollon® 31**

**Bestell-Nr.: 51MP11WD2N42**  
**EAN: 4058352926246**

**LP-Nummer**  
**59515\_8**



**Ausführung** Einbauleuchte für Einlegemontage, quadratisch M625, breit strahlend, einstellbare Farbtemperatur: 4000 K | 5000 K, UGR≤19 (L65≤3000cd/m<sup>2</sup>)

**Bestückung** LED 5000 K | CRI ≥ 80

**Betriebsgerät** EVG-DALI

**Einstellung** indiv. Einstellung: Farbtemperatur 5000K

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

**Seriendokumentation**  
11.12.2023

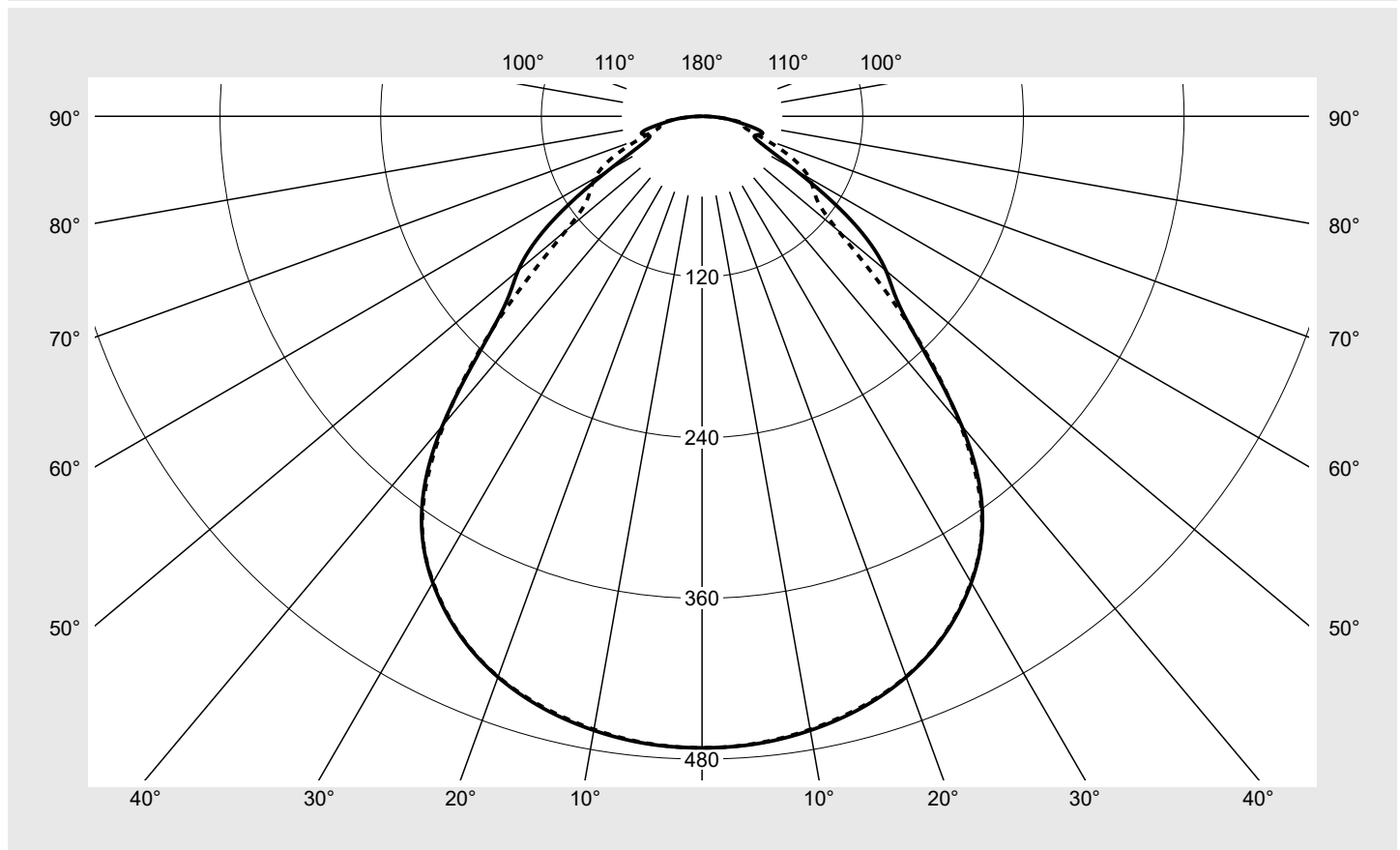
**siteco**

**Lichtstärke in cd/klm**

**C180-0**

**C270-90**

**Imax: 472 cd/klm**



**Klassifizierungen**

DIN 5040 A 5 0  
CIE N1=62 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

<b>Familie</b> <b>Apollon® 31</b>	<b>Bestell-Nr.: 51MP11WD2N42</b> <b>EAN: 4058352926246</b>	<b>LP-Nummer</b> <b>59515_8</b>
<b>Wertetabelle Lichtstärkemessung</b>		<b>Maximale Lichtstärke</b>
<b>siteco</b>		

C- Ebenen	0°	15° 345°	30° 330°	45° 315°	60° 300°	75° 285°	90° 270°
$\gamma$	Lichtstärke in cd/klm						
0°	471.6	471.6	471.6	471.6	471.6	471.6	471.6
5°	470.4	470.1	470.0	470.0	470.0	470.0	470.0
10°	465.6	465.5	465.4	465.1	464.9	464.9	464.9
15°	457.8	457.8	457.6	457.3	456.9	456.8	456.9
20°	445.6	445.7	445.5	445.2	444.7	444.8	445.3
25°	427.7	427.4	427.2	427.1	427.0	427.1	427.3
30°	402.2	401.5	401.3	401.5	401.8	401.9	401.7
35°	365.2	363.5	363.1	364.0	365.5	365.6	364.2
40°	301.7	296.3	295.4	298.8	303.9	304.2	299.6
45°	217.2	205.7	202.8	208.5	217.9	220.2	215.3
50°	179.3	148.1	140.0	155.1	174.5	166.9	132.3
55°	136.8	115.8	111.1	122.8	136.2	129.8	103.4
60°	80.9	88.5	94.7	99.8	96.1	93.7	92.6
65°	49.9	65.2	73.8	75.8	65.2	64.9	74.8
70°	42.0	48.7	53.4	56.3	50.4	48.2	49.6
75°	46.6	41.4	40.0	42.4	43.7	40.7	33.3
80°	29.9	29.2	28.2	26.9	28.8	30.4	31.5
85°	16.1	14.8	14.1	14.0	15.0	15.3	15.1
90°	0.5	0.5	0.4	0.4	0.4	0.3	0.3
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.: 51MP11WD2N42</b> <b>EAN: 4058352926246</b>	<b>LP-Nummer</b> <b>59515_8</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°	471.6	471.6	471.6	471.6	471.6	471.6	2.8	2.8
5°	470.0	470.0	470.0	470.0	470.1	470.4	22.5	25.3
10°	464.9	464.9	465.1	465.4	465.5	465.6	44.3	69.6
15°	456.8	456.9	457.3	457.6	457.8	457.8	64.9	134.4
20°	444.8	444.7	445.2	445.5	445.7	445.6	83.5	217.9
25°	427.1	427.0	427.1	427.2	427.4	427.7	99.0	316.9
30°	401.9	401.8	401.5	401.3	401.5	402.2	110.1	426.9
35°	365.6	365.5	364.0	363.1	363.5	365.2	114.6	541.5
40°	304.2	303.9	298.8	295.4	296.3	301.7	105.7	647.2
45°	220.2	217.9	208.5	202.8	205.7	217.2	82.1	729.3
50°	166.9	174.5	155.1	140.0	148.1	179.3	65.8	795.1
55°	129.8	136.2	122.8	111.1	115.8	136.8	55.1	850.2
60°	93.7	96.1	99.8	94.7	88.5	80.9	44.3	894.4
65°	64.9	65.2	75.8	73.8	65.2	49.9	33.7	928.2
70°	48.2	50.4	56.3	53.4	48.7	42.0	26.0	954.1
75°	40.7	43.7	42.4	40.0	41.4	46.6	21.9	976.0
80°	30.4	28.8	26.9	28.2	29.2	29.9	15.7	991.7
85°	15.3	15.0	14.0	14.1	14.8	16.1	8.1	999.8
90°	0.3	0.4	0.4	0.4	0.5	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.: 51MP11WD2N42</b> <b>EAN: 4058352926246</b>	<b>LP-Nummer</b> 59515_8
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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	
Raumabmessungen	Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)					
x	y										
2H	2H	15,2	16,7	15,5	17,0	17,4	15,4	17,0	15,8	17,3	17,6
	3H	16,0	17,3	16,3	17,7	18,0	16,3	17,6	16,6	18,0	18,3
	4H	16,6	17,9	17,0	18,2	18,6	16,7	18,0	17,1	18,3	18,7
	6H	17,2	18,4	17,6	18,7	19,1	17,2	18,4	17,6	18,8	19,2
	8H	17,4	18,6	17,9	18,9	19,3	17,5	18,6	17,9	19,0	19,4
	12H	17,7	18,7	18,1	19,1	19,5	17,7	18,8	18,2	19,2	19,6
4H	2H	15,7	17,0	16,1	17,4	17,7	15,9	17,2	16,3	17,5	17,9
	3H	16,7	17,8	17,2	18,2	18,6	16,9	18,0	17,4	18,4	18,8
	4H	17,5	18,5	17,9	18,9	19,3	17,6	18,5	18,0	18,9	19,4
	6H	18,2	19,1	18,7	19,5	20,0	18,3	19,1	18,7	19,6	20,0
	8H	18,6	19,3	19,0	19,8	20,2	18,6	19,4	19,1	19,8	20,3
	12H	18,9	19,5	19,3	20,0	20,5	18,9	19,6	19,4	20,0	20,5
8H	4H	17,8	18,6	18,3	19,0	19,5	17,9	18,6	18,3	19,1	19,6
	6H	18,7	19,3	19,2	19,8	20,3	18,8	19,4	19,2	19,9	20,4
	8H	19,1	19,7	19,6	20,2	20,7	19,2	19,8	19,7	20,3	20,8
	12H	19,5	20,0	20,0	20,5	21,0	19,6	20,1	20,1	20,6	21,1
12H	4H	17,9	18,5	18,3	19,0	19,5	17,9	18,6	18,4	19,1	19,6
	6H	18,8	19,4	19,3	19,8	20,4	18,9	19,4	19,4	19,9	20,4
	8H	19,3	19,7	19,8	20,2	20,8	19,4	19,8	19,9	20,3	20,9

<b>Leuchtdichten-Tabelle</b>	<b>Max. für <math>\gamma \geq 65^\circ</math></b>	<b>Lichttechnische</b>	<b>L = 555</b>
		<b>Abmessungen in mm:</b>	<b>B = 555</b>

C-Ebenen	0°	15° 345°	30° 330°	45° 315°	60° 300°	75° 285°	90° 270°	105° 255°	120° 240°	135° 225°	150° 210°	165° 195°	180°
$\gamma$	Leuchtdichte in cd/m²												
45°	3988.1	3777.2	3724.1	3828.7	4002.6	4044.6	3954.9	4044.6	4002.6	3828.7	3724.1	3777.2	3988.1
50°	3622.3	2991.9	2829.0	3133.7	3525.9	3372.2	2672.6	3372.2	3525.9	3133.7	2829.0	2991.9	3622.3
55°	3096.6	2620.9	2515.6	2780.7	3084.2	2937.7	2341.2	2937.7	3084.2	2780.7	2515.6	2620.9	3096.6
60°	2102.3	2297.3	2460.4	2591.7	2496.9	2434.5	2404.5	2434.5	2496.9	2591.7	2460.4	2297.3	2102.3
65°	1532.6	2001.9	2267.5	2329.4	2003.2	1993.0	2298.9	1993.0	2003.2	2329.4	2267.5	2001.9	1532.6
70°	1595.6	1847.2	2027.8	2137.4	1914.0	1829.3	1883.3	1829.3	1914.0	2137.4	2027.8	1847.2	1595.6
75°	2335.6	2076.8	2006.7	2125.3	2194.1	2042.4	1670.3	2042.4	2194.1	2125.3	2006.7	2076.8	2335.6
80°	2234.9	2181.1	2106.8	2012.1	2156.5	2269.9	2352.2	2269.9	2156.5	2012.1	2106.8	2181.1	2234.9
85°	2395.0	2198.8	2098.0	2092.1	2230.3	2281.3	2245.2	2281.3	2230.3	2092.1	2098.0	2198.8	2395.0

**Lichttechnischer Prüfbefund**

**Familie**  
Apollon® 31

**Bestell-Nr.:** 51MP11WD2N42  
**EAN:** 4058352926246

**LP-Nummer**  
59515\_8

**Leuchtdichten in cd/m²**

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

