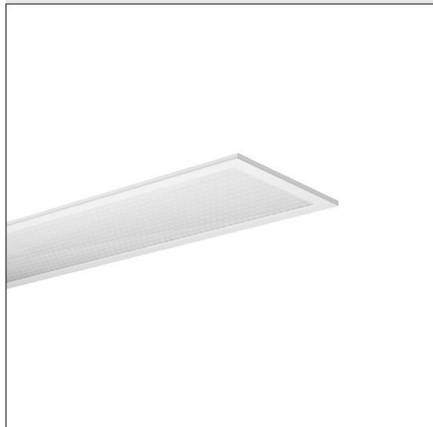


## Lichttechnischer Prüfbefund

Familie  
Apollon® 21

Bestell-Nr.: 51MQ14WD2T12  
EAN: 4058352390610

LP-Nummer  
59147\_1



**Ausführung** Langfeld, direkt strahlend  
**Bestückung** LED 2700 K ... 6500 K | CRI ≥ 80  
**Betriebsgerät** EVG-DALI  
**Einstellung** indiv. Einstellung: Farbtemperatur 2700K  
**Bemessungswerte** bei 2700 K  
 Nettolichtstrom = 4200 lm  
 Systemleistung = 44.0 W  
 Lichtausbeute = 95.5 lm/W

Seriendokumentation  
23.03.2021

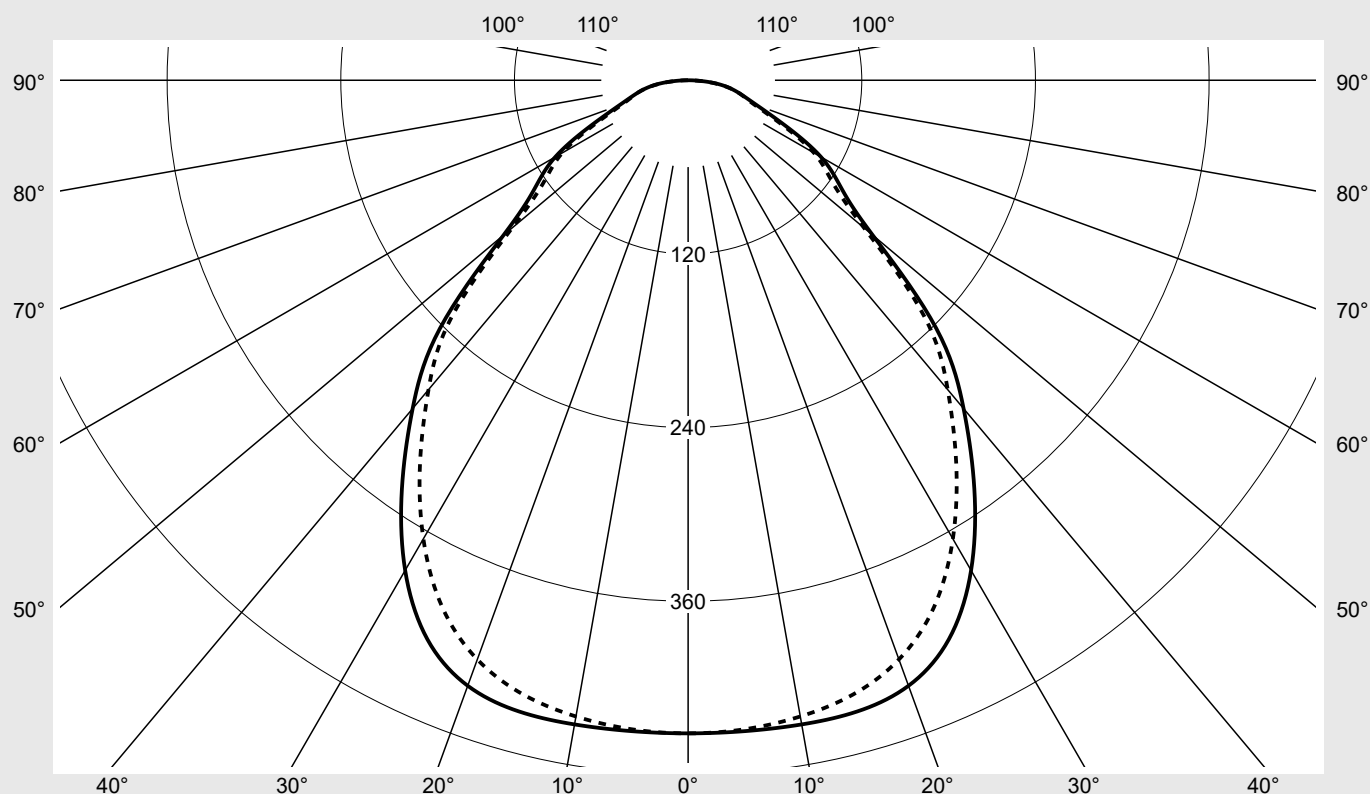
siteco

Lichtstärke in cd/klm

C180-0

C270-90

Imax: 452 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

## Lichttechnischer Prüfbefund

<b>Familie</b> Apollon® 21	<b>Bestell-Nr.: 51MQ14WD2T12</b> <b>EAN: 4058352390610</b>	<b>LP-Nummer</b> 59147_1
<b>Wertetabelle Lichtstärkemessung</b>		<b>Maximale Lichtstärke</b>
		<b>siteco</b>

C- Ebenen	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°	165°	180°
$\gamma$	Lichtstärke in cd/klm												
0°	451.3	451.3	451.3	451.3	451.3	451.3	451.3	451.3	451.3	451.3	451.3	451.3	451.3
5°	451.5	451.4	451.1	450.7	450.4	450.1	450.1	450.1	450.4	450.7	451.1	451.4	451.5
10°	452.0	451.4	450.4	448.9	447.6	446.6	446.4	446.6	447.6	448.9	450.4	451.4	452.0
15°	451.5	450.5	447.9	444.7	441.8	439.9	439.5	439.9	441.8	444.7	447.9	450.5	451.5
20°	445.3	443.4	439.0	434.1	429.5	426.6	425.9	426.6	429.5	434.1	439.0	443.4	445.3
25°	426.3	423.9	418.7	412.5	406.4	402.7	401.9	402.7	406.4	412.5	418.7	423.9	426.3
30°	391.1	389.6	385.6	379.6	372.6	367.7	365.9	367.7	372.6	379.6	385.6	389.6	391.1
35°	344.8	345.0	342.7	338.1	331.7	325.9	323.0	325.9	331.7	338.1	342.7	345.0	344.8
40°	296.1	296.9	296.0	292.0	288.1	282.3	279.1	282.3	288.1	292.0	296.0	296.9	296.1
45°	242.5	243.2	245.5	242.5	240.4	233.7	230.9	233.7	240.4	242.5	245.5	243.2	242.5
50°	166.5	183.0	191.3	188.4	187.7	176.6	158.7	176.6	187.7	188.4	191.3	183.0	166.5
55°	128.8	131.7	137.7	136.9	135.5	125.6	121.1	125.6	135.5	136.9	137.7	131.7	128.8
60°	106.0	91.0	98.2	98.7	97.2	86.3	100.4	86.3	97.2	98.7	98.2	91.0	106.0
65°	73.9	62.2	75.5	73.1	75.1	59.7	69.9	59.7	75.1	73.1	75.5	62.2	73.9
70°	50.6	50.8	57.5	55.3	57.1	49.2	48.1	49.2	57.1	55.3	57.5	50.8	50.6
75°	38.0	42.1	40.6	38.4	39.9	40.6	37.8	40.6	39.9	38.4	40.6	42.1	38.0
80°	27.9	26.8	29.3	30.1	29.5	25.8	27.8	25.8	29.5	30.1	29.3	26.8	27.9
85°	14.7	13.7	15.9	16.0	15.7	13.2	13.9	13.2	15.7	16.0	15.9	13.7	14.7
90°	0.6	0.6	0.5	0.5	0.4	0.3	0.2	0.3	0.4	0.5	0.5	0.6	0.6
95°	0.0	0.0	0.0	0.0	0.0	0.0	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	0.0	0.0	0.0	0.0	0.0	0.0

## Lichttechnischer Prüfbefund

<b>Familie</b> Apollon® 21	<b>Bestell-Nr.: 51MQ14WD2T12</b> <b>EAN: 4058352390610</b>	<b>LP-Nummer</b> 59147_1
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<b>Wertetabelle Lichtstärkemessung</b>	<b>Maximale Lichtstärke</b>	<b>sitEco</b>
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C- Ebenen	195°	210°	225°	240°	255°	270°	285°	300°	315°	330°	345°	Phi-Zone	Summe Phi-Zone
$\gamma$	Lichtstärke in cd/klm											Lichtstrom in lm/klm	
0°	451.3	451.3	451.3	451.3	451.3	451.3	451.3	451.3	451.3	451.3	451.3	2.7	2.7
5°	451.4	451.1	450.7	450.4	450.1	450.1	450.1	450.4	450.7	451.1	451.4	21.5	24.2
10°	451.4	450.4	448.9	447.6	446.6	446.4	446.6	447.6	448.9	450.4	451.4	42.7	67.0
15°	450.5	447.9	444.7	441.8	439.9	439.5	439.9	441.8	444.7	447.9	450.5	63.1	130.1
20°	443.4	439.0	434.1	429.5	426.6	425.9	426.6	429.5	434.1	439.0	443.4	81.5	211.6
25°	423.9	418.7	412.5	406.4	402.7	401.9	402.7	406.4	412.5	418.7	423.9	95.7	307.3
30°	389.6	385.6	379.6	372.6	367.7	365.9	367.7	372.6	379.6	385.6	389.6	103.9	411.1
35°	345.0	342.7	338.1	331.7	325.9	323.0	325.9	331.7	338.1	342.7	345.0	105.7	516.8
40°	296.9	296.0	292.0	288.1	282.3	279.1	282.3	288.1	292.0	296.0	296.9	102.4	619.2
45°	243.2	245.5	242.5	240.4	233.7	230.9	233.7	240.4	242.5	245.5	243.2	93.1	712.3
50°	183.0	191.3	188.4	187.7	176.6	158.7	176.6	187.7	188.4	191.3	183.0	76.3	788.6
55°	131.7	137.7	136.9	135.5	125.6	121.1	125.6	135.5	136.9	137.7	131.7	59.3	847.9
60°	91.0	98.2	98.7	97.2	86.3	100.4	86.3	97.2	98.7	98.2	91.0	45.5	893.3
65°	62.2	75.5	73.1	75.1	59.7	69.9	59.7	75.1	73.1	75.5	62.2	34.6	927.9
70°	50.8	57.5	55.3	57.1	49.2	48.1	49.2	57.1	55.3	57.5	50.8	27.4	955.3
75°	42.1	40.6	38.4	39.9	40.6	37.8	40.6	39.9	38.4	40.6	42.1	21.1	976.5
80°	26.8	29.3	30.1	29.5	25.8	27.8	25.8	29.5	30.1	29.3	26.8	15.2	991.7
85°	13.7	15.9	16.0	15.7	13.2	13.9	13.2	15.7	16.0	15.9	13.7	8.1	999.8
90°	0.6	0.5	0.5	0.4	0.3	0.2	0.3	0.4	0.5	0.5	0.6	0.2	1000.0
95°	0.0	0.0	0.0	0.0	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	0.0	0.0	0.0	0.0	1000.0

## Lichttechnischer Prüfbefund

<b>Familie</b> Apollon® 21	<b>Bestell-Nr.: 51MQ14WD2T12</b> <b>EAN: 4058352390610</b>	<b>LP-Nummer</b> 59147_1
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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	15,9	17,5	16,3	17,8	18,1	15,7	17,2	16,0	17,5	17,8
	3H	16,7	18,1	17,1	18,4	18,8	16,4	17,8	16,8	18,2	18,5
	4H	17,1	18,4	17,5	18,8	19,2	16,9	18,2	17,3	18,5	18,9
	6H	17,6	18,8	18,0	19,1	19,5	17,3	18,5	17,8	18,9	19,3
	8H	17,8	18,9	18,2	19,3	19,7	17,6	18,7	18,0	19,1	19,5
	12H	18,0	19,0	18,4	19,4	19,8	17,8	18,8	18,2	19,2	19,6
4H	2H	16,3	17,6	16,7	18,0	18,4	16,1	17,5	16,5	17,8	18,2
	3H	17,4	18,5	17,8	18,9	19,3	17,2	18,3	17,6	18,7	19,1
	4H	18,0	19,0	18,4	19,4	19,8	17,8	18,8	18,2	19,2	19,6
	6H	18,6	19,4	19,0	19,8	20,3	18,4	19,2	18,8	19,7	20,1
	8H	18,8	19,6	19,3	20,0	20,5	18,6	19,4	19,1	19,9	20,3
	12H	19,1	19,7	19,5	20,2	20,7	18,9	19,5	19,3	20,0	20,5
8H	4H	18,2	19,0	18,7	19,5	19,9	18,1	18,9	18,5	19,3	19,8
	6H	19,0	19,7	19,5	20,1	20,6	18,8	19,5	19,3	20,0	20,5
	8H	19,4	19,9	19,9	20,4	20,9	19,2	19,8	19,7	20,3	20,8
	12H	19,7	20,1	20,2	20,6	21,2	19,5	20,0	20,0	20,5	21,0
12H	4H	18,3	19,0	18,8	19,5	19,9	18,1	18,8	18,6	19,3	19,8
	6H	19,1	19,7	19,6	20,2	20,7	19,0	19,5	19,5	20,0	20,5
	8H	19,5	20,0	20,0	20,5	21,0	19,4	19,9	19,9	20,4	20,9

<b>Leuchtdichten-Tabelle</b>	<b>Max. für <math>\gamma \geq 65^\circ</math></b>	<b>Lichttechnische Abmessungen in mm:</b>	<b>L = 1198</b>	<b>B = 260</b>
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<b>C-Ebenen</b>	<b>0°</b>	<b>30°</b>	<b>60°</b>	<b>90°</b>	<b>120°</b>	<b>150°</b>	<b>180°</b>	<b>210°</b>	<b>240°</b>	<b>270°</b>	<b>300°</b>	<b>330°</b>
$\gamma$	<b>Leuchtdichte in cd/m²</b>											
45°	4624.7	4680.9	4584.0	4402.4	4584.0	4680.9	4624.7	4680.9	4584.0	4402.4	4584.0	4680.9
50°	3491.7	4012.4	3938.4	3330.1	3938.4	4012.4	3491.7	4012.4	3938.4	3330.1	3938.4	4012.4
55°	3028.2	3236.4	3184.9	2846.7	3184.9	3236.4	3028.2	3236.4	3184.9	2846.7	3184.9	3236.4
60°	2859.0	2649.4	2620.7	2708.5	2620.7	2649.4	2859.0	2649.4	2620.7	2708.5	2620.7	2649.4
65°	2356.9	2407.3	2394.9	2230.0	2394.9	2407.3	2356.9	2407.3	2394.9	2230.0	2394.9	2407.3
70°	1995.6	2266.5	2250.3	1897.7	2250.3	2266.5	1995.6	2266.5	2250.3	1897.7	2250.3	2266.5
75°	1981.6	2113.2	2080.3	1968.6	2080.3	2113.2	1981.6	2113.2	2080.3	1968.6	2080.3	2113.2
80°	2167.9	2272.9	2290.0	2159.3	2290.0	2272.9	2167.9	2272.9	2290.0	2159.3	2290.0	2272.9
85°	2270.5	2459.6	2422.3	2149.6	2422.3	2459.6	2270.5	2459.6	2422.3	2149.6	2422.3	2459.6

**Lichttechnischer Prüfbefund**

<b>Familie</b> Apollon® 21	<b>Bestell-Nr.:</b> 51MQ14WD2T12 <b>EAN:</b> 4058352390610	<b>LP-Nummer</b> 59147_1
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**Leuchtdichten in cd/m<sup>2</sup>**

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

