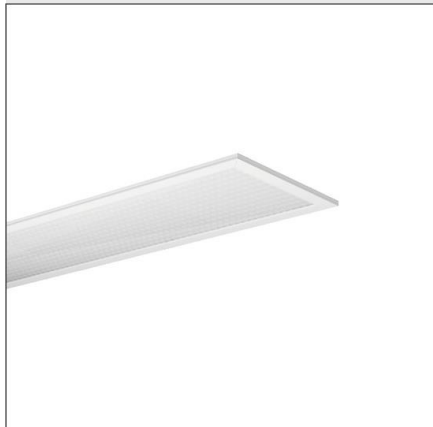


Lichttechnischer Prüfbefund

Familie
Apollon® 21

Bestell-Nr.: 51MQ14WD2T12
EAN: 4058352390610

LP-Nummer
59147_2



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

Seriendokumentation
23.03.2021

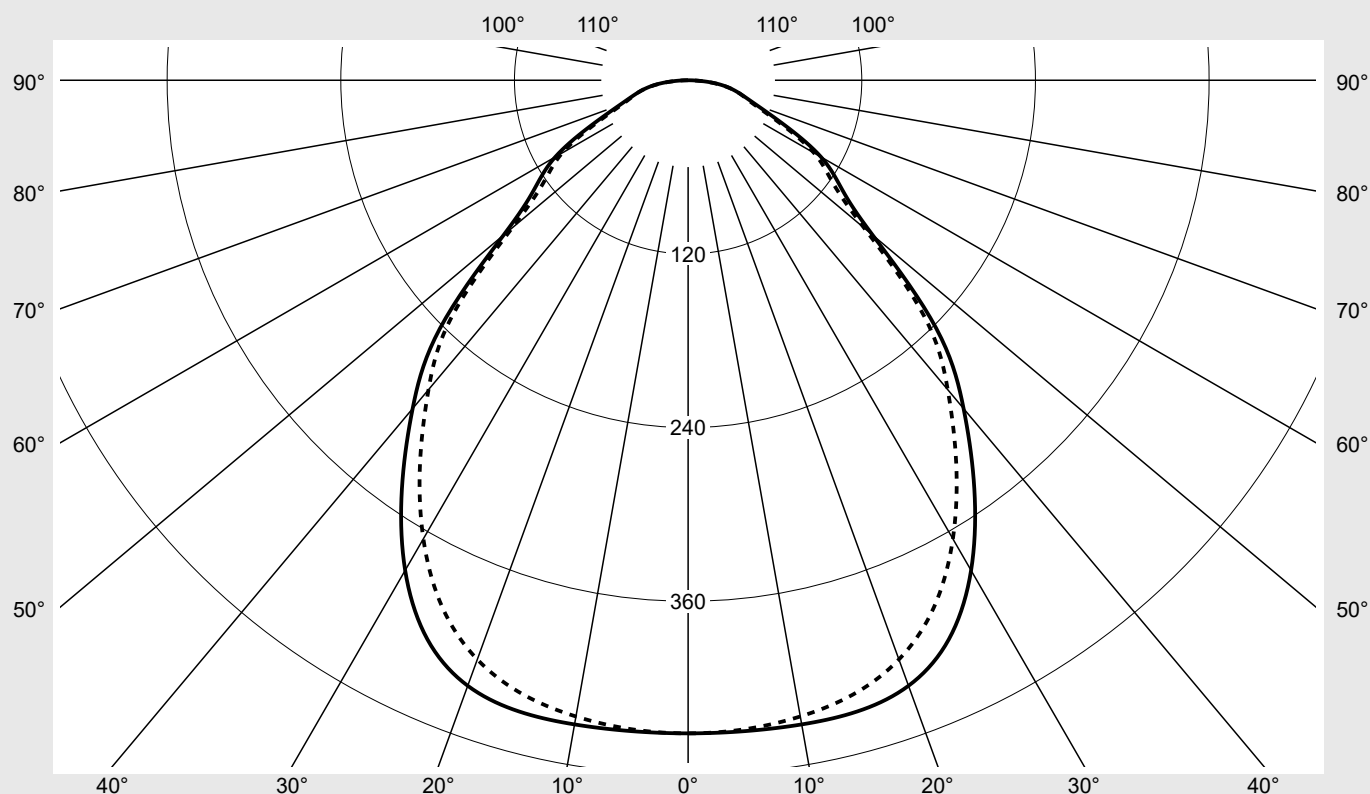
siteco

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

η_{LB} 100,0%
 ϕ_u 100,0%
 ϕ_o 0,0%

Messbedingungen

DIN EN 13032 und DIN 5032

Lichttechnischer Prüfbefund

Familie Apollon® 21	Bestell-Nr.: 51MQ14WD2T12 EAN: 4058352390610	LP-Nummer 59147_2
Wertetabelle Lichtstärkemessung		Maximale Lichtstärke
		siteco

C- Ebenen	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°	165°	180°
γ	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

Familie Apollon® 21	Bestell-Nr.: 51MQ14WD2T12 EAN: 4058352390610	LP-Nummer 59147_2
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Wertetabelle Lichtstärkemessung	Maximale Lichtstärke	sITeco
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C- Ebenen	195°	210°	225°	240°	255°	270°	285°	300°	315°	330°	345°	Phi-Zone	Summe Phi-Zone
γ	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

Familie Apollon® 21	Bestell-Nr.: 51MQ14WD2T12 EAN: 4058352390610	LP-Nummer 59147_2
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UGR-Tabelle		Standardraum									
Raumabmessungen		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
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

Leuchtdichten-Tabelle		Lichttechnische Abmessungen in mm: L = 1198, B = 260											
C-Ebenen		Leuchtdichte in cd/m²											
γ		0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°	330°
45°	Max. für γ >= 65°	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

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Leuchtdichten in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85° **siteco**

