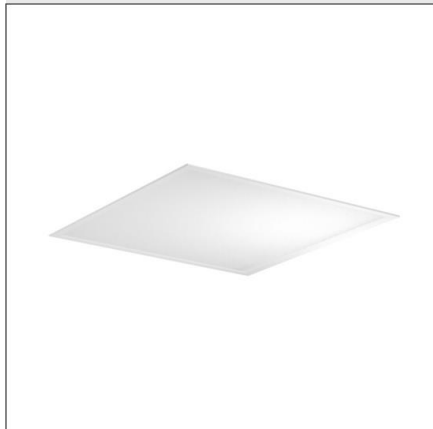


Lichttechnischer Prüfbefund

Familie
Apollon® 31

Bestell-Nr.: 51MP12W72341
EAN: 4058352451458

LP-Nummer
59139_1



Ausführung quadratisch M600, direkt strahlend
Bestückung LED 3000 K | CRI ≥ 80
Betriebsgerät EVG
Bemessungswerte Nettolichtstrom = 3800 lm
Systemleistung = 35.0 W
Lichtausbeute = 108.6 lm/W

Seriendokumentation
23.03.2021

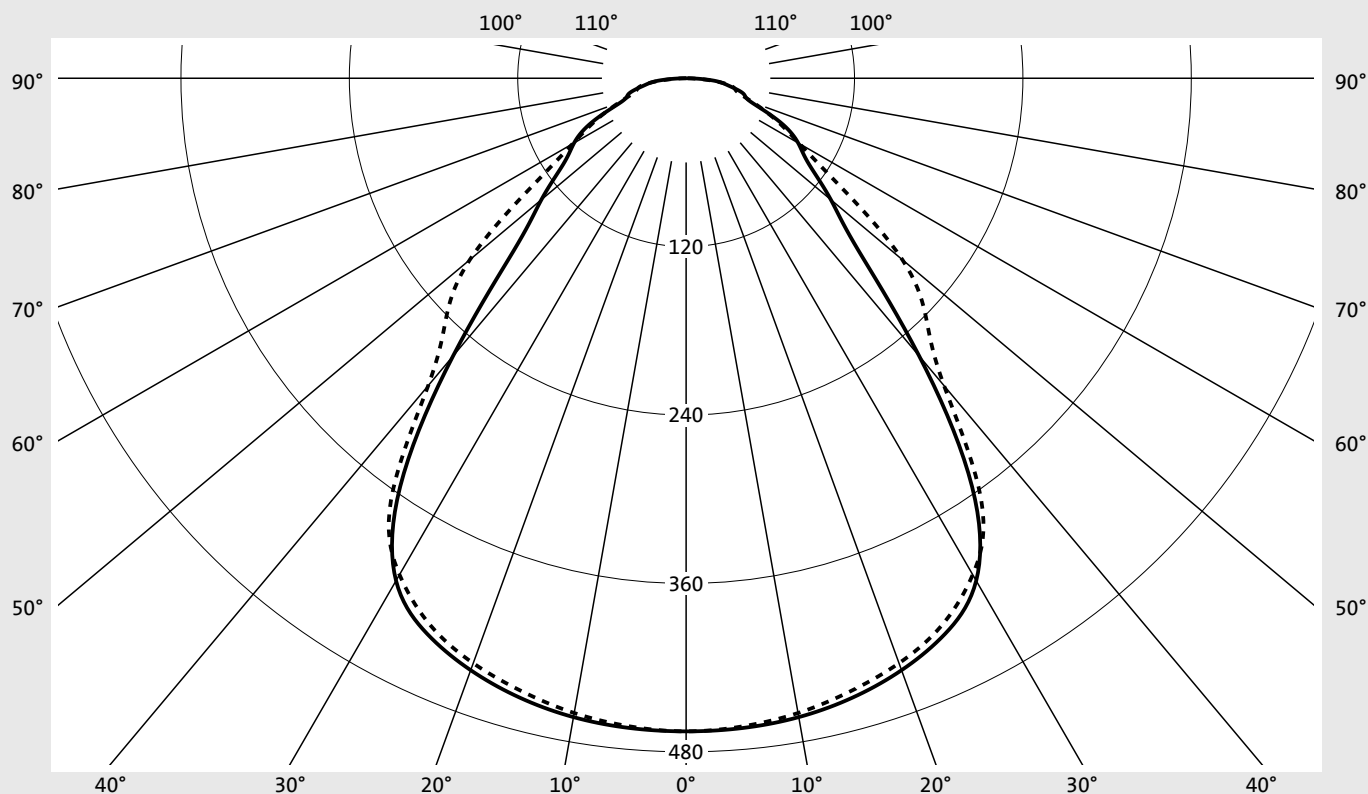
siteco

Lichtstärke in cd/klm

C180-0

C270-90

Imax: 465 cd/klm



Klassifizierungen

DIN 5040 A 5 0
CIE N1=62 N2=86 N3=96
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® 31	Bestell-Nr.: 51MP12W72341 EAN: 4058352451458	LP-Nummer 59139_1
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°	465.4	465.4	465.4	465.4	465.4	465.4	465.4	465.4	465.4	465.4	465.4	465.4	465.4
5°	464.8	464.6	464.4	464.0	463.7	463.6	463.6	463.6	463.7	464.0	464.4	464.6	464.8
10°	462.3	462.0	461.2	460.3	459.6	459.5	459.3	459.5	459.6	460.3	461.2	462.0	462.3
15°	457.1	457.3	456.5	454.6	452.7	452.3	452.3	452.3	452.7	454.6	456.5	457.3	457.1
20°	448.9	449.5	449.6	446.4	442.2	442.6	443.6	442.6	442.2	446.4	449.6	449.5	448.9
25°	436.8	437.0	437.1	433.8	428.8	428.8	430.5	428.8	428.8	433.8	437.1	437.0	436.8
30°	413.4	414.0	415.3	411.5	407.3	405.6	408.5	405.6	407.3	411.5	415.3	414.0	413.4
35°	355.3	360.5	370.5	364.4	359.4	360.7	366.6	360.7	359.4	364.4	370.5	360.5	355.3
40°	258.4	259.3	281.4	269.5	272.3	275.9	286.0	275.9	272.3	269.5	281.4	259.3	258.4
45°	173.8	199.5	239.8	208.0	186.1	209.5	241.9	209.5	186.1	208.0	239.8	199.5	173.8
50°	134.7	151.5	181.1	156.0	148.4	159.0	201.2	159.0	148.4	156.0	181.1	151.5	134.7
55°	106.9	119.7	109.3	118.6	120.2	125.1	133.6	125.1	120.2	118.6	109.3	119.7	106.9
60°	92.2	95.7	77.3	93.3	96.6	98.8	93.4	98.8	96.6	93.3	77.3	95.7	92.2
65°	73.9	73.7	61.2	77.6	83.0	74.4	71.0	74.4	83.0	77.6	61.2	73.7	73.9
70°	48.9	55.5	45.2	61.6	57.8	60.3	51.1	60.3	57.8	61.6	45.2	55.5	48.9
75°	42.2	42.0	38.4	45.7	38.9	48.7	37.8	48.7	38.9	45.7	38.4	42.0	42.2
80°	31.0	33.6	34.8	28.7	24.5	31.5	33.2	31.5	24.5	28.7	34.8	33.6	31.0
85°	20.0	22.6	19.1	20.3	16.6	18.2	17.6	18.2	16.6	20.3	19.1	22.6	20.0
90°	0.6	0.9	0.7	0.6	0.3	0.3	0.2	0.3	0.3	0.6	0.7	0.9	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® 31	Bestell-Nr.: 51MP12W72341 EAN: 4058352451458	LP-Nummer 59139_1
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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°	465.4	465.4	465.4	465.4	465.4	465.4	465.4	465.4	465.4	465.4	465.4	2.8	2.8
5°	464.6	464.4	464.0	463.7	463.6	463.6	463.6	463.7	464.0	464.4	464.6	22.2	25.0
10°	462.0	461.2	460.3	459.6	459.5	459.3	459.5	459.6	460.3	461.2	462.0	43.8	68.8
15°	457.3	456.5	454.6	452.7	452.3	452.3	452.3	452.7	454.6	456.5	457.3	64.5	133.3
20°	449.5	449.6	446.4	442.2	442.6	443.6	442.6	442.2	446.4	449.6	449.5	83.6	216.9
25°	437.0	437.1	433.8	428.8	428.8	430.5	428.8	428.8	433.8	437.1	437.0	100.3	317.3
30°	414.0	415.3	411.5	407.3	405.6	408.5	405.6	407.3	411.5	415.3	414.0	112.6	429.8
35°	360.5	370.5	364.4	359.4	360.7	366.6	360.7	359.4	364.4	370.5	360.5	114.1	543.9
40°	259.3	281.4	269.5	272.3	275.9	286.0	275.9	272.3	269.5	281.4	259.3	95.8	639.7
45°	199.5	239.8	208.0	186.1	209.5	241.9	209.5	186.1	208.0	239.8	199.5	80.8	720.5
50°	151.5	181.1	156.0	148.4	159.0	201.2	159.0	148.4	156.0	181.1	151.5	67.5	787.9
55°	119.7	109.3	118.6	120.2	125.1	133.6	125.1	120.2	118.6	109.3	119.7	53.4	841.3
60°	95.7	77.3	93.3	96.6	98.8	93.4	98.8	96.6	93.3	77.3	95.7	43.9	885.2
65°	73.7	61.2	77.6	83.0	74.4	71.0	74.4	83.0	77.6	61.2	73.7	36.6	921.8
70°	55.5	45.2	61.6	57.8	60.3	51.1	60.3	57.8	61.6	45.2	55.5	28.4	950.2
75°	42.0	38.4	45.7	38.9	48.7	37.8	48.7	38.9	45.7	38.4	42.0	22.4	972.5
80°	33.6	34.8	28.7	24.5	31.5	33.2	31.5	24.5	28.7	34.8	33.6	16.7	989.2
85°	22.6	19.1	20.3	16.6	18.2	17.6	18.2	16.6	20.3	19.1	22.6	10.5	999.7
90°	0.9	0.7	0.6	0.3	0.3	0.2	0.3	0.3	0.6	0.7	0.9	0.3	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® 31	Bestell-Nr.: 51MP12W72341 EAN: 4058352451458	LP-Nummer 59139_1
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UGR-Tabelle	Standardraum	siteco
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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	15,0	16,5	15,3	16,8	17,1	15,3	16,9	15,7	17,2	17,5
	3H	16,0	17,4	16,4	17,8	18,1	16,4	17,8	16,8	18,1	18,5
	4H	16,6	17,9	17,0	18,2	18,6	16,9	18,2	17,3	18,6	18,9
	6H	17,2	18,4	17,6	18,7	19,1	17,5	18,7	17,9	19,1	19,5
	8H	17,5	18,6	17,9	19,0	19,4	17,8	18,9	18,2	19,3	19,7
	12H	17,8	18,9	18,3	19,3	19,7	18,1	19,1	18,5	19,5	19,9
4H	2H	15,5	16,8	15,9	17,1	17,5	15,8	17,1	16,2	17,5	17,8
	3H	16,7	17,8	17,1	18,2	18,6	17,1	18,2	17,5	18,6	19,0
	4H	17,4	18,4	17,8	18,8	19,2	17,8	18,8	18,2	19,2	19,6
	6H	18,2	19,1	18,7	19,5	19,9	18,5	19,4	19,0	19,8	20,3
	8H	18,6	19,4	19,1	19,9	20,3	18,9	19,7	19,4	20,1	20,6
	12H	19,1	19,8	19,6	20,2	20,7	19,2	19,9	19,7	20,4	20,9
8H	4H	17,7	18,5	18,2	18,9	19,4	18,1	18,9	18,5	19,3	19,8
	6H	18,8	19,4	19,3	19,9	20,4	18,9	19,6	19,4	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
	12H	20,0	20,5	20,5	21,0	21,5	19,8	20,3	20,3	20,8	21,3
12H	4H	17,8	18,5	18,3	18,9	19,4	18,2	18,8	18,6	19,3	19,8
	6H	18,9	19,4	19,4	19,9	20,5	19,0	19,6	19,5	20,1	20,6
	8H	19,5	20,0	20,1	20,5	21,1	19,5	20,0	20,0	20,5	21,0

Leuchtdichten-Tabelle	Max. für $\gamma \geq 65^\circ$	Lichttechnische Abmessungen in mm:	L = 553	B = 553
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C-Ebenen	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°	330°
γ	Leuchtdichte in cd/m ²											
45°	3054.0	4213.6	3270.9	4251.7	3270.9	4213.6	3054.0	4213.6	3270.9	4251.7	3270.9	4213.6
50°	2603.3	3501.3	2869.6	3889.4	2869.6	3501.3	2603.3	3501.3	2869.6	3889.4	2869.6	3501.3
55°	2316.7	2368.5	2605.1	2895.3	2605.1	2368.5	2316.7	2368.5	2605.1	2895.3	2605.1	2368.5
60°	2290.3	1920.6	2401.6	2322.0	2401.6	1920.6	2290.3	1920.6	2401.6	2322.0	2401.6	1920.6
65°	2172.4	1798.0	2440.4	2087.6	2440.4	1798.0	2172.4	1798.0	2440.4	2087.6	2440.4	1798.0
70°	1778.4	1643.4	2101.3	1857.0	2101.3	1643.4	1778.4	1643.4	2101.3	1857.0	2101.3	1643.4
75°	2024.9	1842.2	1865.7	1815.2	1865.7	1842.2	2024.9	1842.2	1865.7	1815.2	1865.7	1842.2
80°	2218.1	2493.4	1750.0	2375.8	1750.0	2493.4	2218.1	2493.4	1750.0	2375.8	1750.0	2493.4
85°	2855.3	2721.0	2363.9	2513.8	2363.9	2721.0	2855.3	2721.0	2363.9	2513.8	2363.9	2721.0

Lichttechnischer Prüfbefund

Familie Apollon® 31	Bestell-Nr.: 51MP12W72341 EAN: 4058352451458	LP-Nummer 59139_1
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Leuchtdichten in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85° **siteco**

