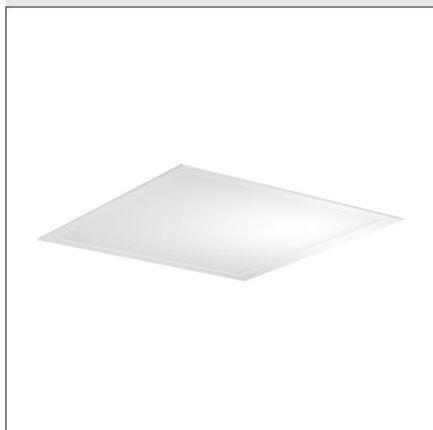


Lichttechnischer Prüfbefund

Familie
Apollon® 31

Bestell-Nr.: 51MP11ND2441
EAN: 4058352451366

LP-Nummer
59146_2



Ausführung quadratisch M625, direkt strahlend, UGR≤22
Bestückung LED 4000 K | CRI ≥ 80
Betriebsgerät EVG-DALI
Bemessungswerte Nettolichtstrom = 4000 lm
 Systemleistung = 35.0 W
 Lichtausbeute = 114.3 lm/W

Seriendokumentation
23.03.2021

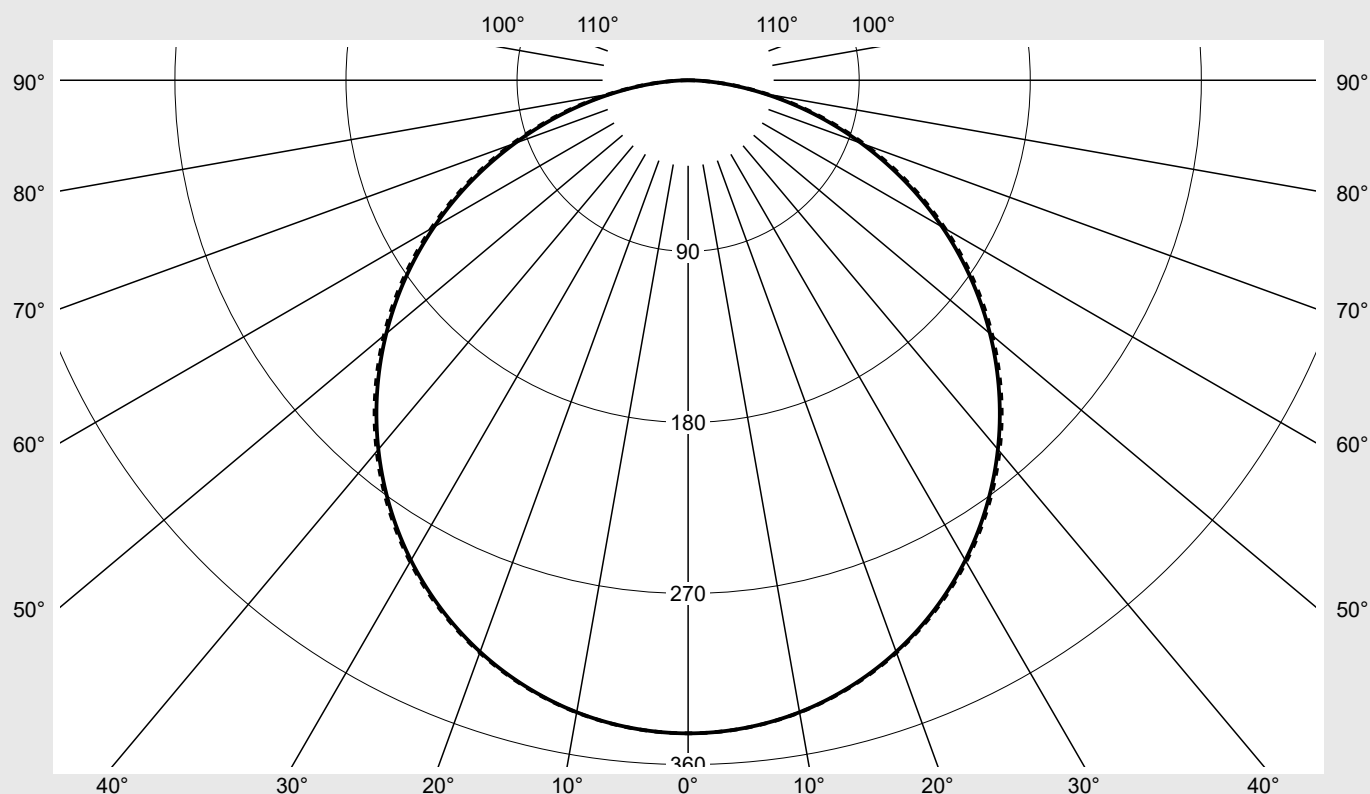
siteco

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

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.: 51MP11ND2441 EAN: 4058352451366	LP-Nummer 59146_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°	343.6	343.6	343.6	343.6	343.6	343.6	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	342.2	342.2	342.1	342.1	342.1	342.0
10°	337.6	337.6	337.7	337.7	337.8	337.8	337.7	337.8	337.8	337.7	337.7	337.6	337.6
15°	330.2	330.3	330.4	330.4	330.5	330.6	330.5	330.6	330.5	330.4	330.4	330.3	330.2
20°	320.0	320.1	320.2	320.3	320.4	320.5	320.5	320.5	320.4	320.3	320.2	320.1	320.0
25°	307.1	307.1	307.3	307.5	307.6	307.8	307.8	307.8	307.6	307.5	307.3	307.1	307.1
30°	291.6	291.7	291.9	292.1	292.3	292.5	292.5	292.5	292.3	292.1	291.9	291.7	291.6
35°	273.7	273.8	274.0	274.3	274.5	274.8	274.8	274.8	274.5	274.3	274.0	273.8	273.7
40°	253.5	253.6	253.9	254.2	254.5	254.8	254.9	254.8	254.5	254.2	253.9	253.6	253.5
45°	231.3	231.4	231.7	232.0	232.4	232.8	232.8	232.8	232.4	232.0	231.7	231.4	231.3
50°	207.3	207.3	207.6	208.0	208.5	208.8	209.0	208.8	208.5	208.0	207.6	207.3	207.3
55°	181.6	181.6	181.9	182.3	182.8	183.2	183.3	183.2	182.8	182.3	181.9	181.6	181.6
60°	154.3	154.4	154.7	155.1	155.6	156.0	156.2	156.0	155.6	155.1	154.7	154.4	154.3
65°	126.0	126.1	126.4	126.8	127.4	127.8	128.0	127.8	127.4	126.8	126.4	126.1	126.0
70°	97.1	97.2	97.5	97.9	98.5	98.9	99.0	98.9	98.5	97.9	97.5	97.2	97.1
75°	68.4	68.5	68.8	69.3	69.8	70.1	70.3	70.1	69.8	69.3	68.8	68.5	68.4
80°	41.1	41.2	41.6	42.0	42.2	42.5	42.6	42.5	42.2	42.0	41.6	41.2	41.1
85°	17.1	17.2	17.4	17.5	17.8	17.9	18.0	17.9	17.8	17.5	17.4	17.2	17.1
90°	0.5	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.4	0.4	0.5
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.: 51MP11ND2441 EAN: 4058352451366	LP-Nummer 59146_2
Wertetabelle Lichtstärkemessung		Maximale Lichtstärke
		siteco

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°	343.6	343.6	343.6	343.6	343.6	343.6	343.6	343.6	343.6	343.6	343.6	2.1	2.1
5°	342.1	342.1	342.1	342.2	342.2	342.1	342.2	342.2	342.1	342.1	342.1	16.3	18.4
10°	337.6	337.7	337.7	337.8	337.8	337.7	337.8	337.8	337.7	337.7	337.6	32.1	50.5
15°	330.3	330.4	330.4	330.5	330.6	330.5	330.6	330.5	330.4	330.4	330.3	46.9	97.4
20°	320.1	320.2	320.3	320.4	320.5	320.5	320.5	320.4	320.3	320.2	320.1	60.0	157.5
25°	307.1	307.3	307.5	307.6	307.8	307.8	307.8	307.6	307.5	307.3	307.1	71.2	228.7
30°	291.7	291.9	292.1	292.3	292.5	292.5	292.5	292.3	292.1	291.9	291.7	80.1	308.7
35°	273.8	274.0	274.3	274.5	274.8	274.8	274.8	274.5	274.3	274.0	273.8	86.2	395.0
40°	253.6	253.9	254.2	254.5	254.8	254.9	254.8	254.5	254.2	253.9	253.6	89.6	484.5
45°	231.4	231.7	232.0	232.4	232.8	232.8	232.8	232.4	232.0	231.7	231.4	89.9	574.5
50°	207.3	207.6	208.0	208.5	208.8	209.0	208.8	208.5	208.0	207.6	207.3	87.4	661.8
55°	181.6	181.9	182.3	182.8	183.2	183.3	183.2	182.8	182.3	181.9	181.6	81.9	743.7
60°	154.4	154.7	155.1	155.6	156.0	156.2	156.0	155.6	155.1	154.7	154.4	73.7	817.4
65°	126.1	126.4	126.8	127.4	127.8	128.0	127.8	127.4	126.8	126.4	126.1	63.1	880.4
70°	97.2	97.5	97.9	98.5	98.9	99.0	98.9	98.5	97.9	97.5	97.2	50.5	930.9
75°	68.5	68.8	69.3	69.8	70.1	70.3	70.1	69.8	69.3	68.8	68.5	36.7	967.6
80°	41.2	41.6	42.0	42.2	42.5	42.6	42.5	42.2	42.0	41.6	41.2	22.6	990.2
85°	17.2	17.4	17.5	17.8	17.9	18.0	17.9	17.8	17.5	17.4	17.2	9.6	999.8
90°	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.4	0.4	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® 31	Bestell-Nr.: 51MP11ND2441 EAN: 4058352451366	LP-Nummer 59146_2
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siteco

UGR-Tabelle		Standardraum									
Raumabmessungen		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
x	y										
2H	2H	17,1	18,8	17,4	19,1	19,4	17,1	18,8	17,5	19,1	19,4
	3H	18,7	20,3	19,1	20,6	20,9	18,8	20,3	19,2	20,7	21,0
	4H	19,4	20,8	19,8	21,2	21,5	19,5	20,9	19,9	21,3	21,6
	6H	19,9	21,2	20,3	21,6	22,0	20,0	21,3	20,4	21,7	22,1
	8H	20,1	21,3	20,5	21,7	22,1	20,2	21,5	20,6	21,8	22,2
	12H	20,2	21,4	20,6	21,8	22,2	20,3	21,5	20,8	21,9	22,3
4H	2H	17,8	19,3	18,2	19,6	20,0	17,9	19,3	18,3	19,7	20,1
	3H	19,7	20,9	20,1	21,3	21,7	19,7	21,0	20,2	21,4	21,8
	4H	20,5	21,6	20,9	22,0	22,4	20,6	21,7	21,0	22,1	22,5
	6H	21,1	22,1	21,5	22,5	22,9	21,2	22,2	21,7	22,6	23,1
	8H	21,3	22,2	21,8	22,6	23,1	21,4	22,3	21,9	22,8	23,2
	12H	21,5	22,3	22,0	22,7	23,2	21,6	22,4	22,1	22,8	23,3
8H	4H	20,8	21,7	21,3	22,2	22,6	20,9	21,8	21,4	22,2	22,7
	6H	21,6	22,3	22,1	22,8	23,3	21,7	22,4	22,2	22,9	23,4
	8H	21,9	22,5	22,4	23,0	23,5	22,0	22,6	22,5	23,1	23,6
	12H	22,1	22,6	22,6	23,1	23,7	22,2	22,8	22,7	23,3	23,8
12H	4H	20,9	21,7	21,4	22,1	22,6	21,0	21,8	21,4	22,2	22,7
	6H	21,7	22,3	22,2	22,8	23,3	21,8	22,4	22,3	22,9	23,4
	8H	22,0	22,6	22,5	23,0	23,6	22,1	22,7	22,6	23,2	23,7

Leuchtdichten-Tabelle		Lichttechnische Abmessungen in mm: L = 573 B = 573											
Max. für $\gamma \geq 65^\circ$													
C-Ebenen	γ	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°	330°
		Leuchtdichte in cd/m ²											
45°		3985.9	3991.8	4004.7	4011.6	4004.7	3991.8	3985.9	3991.8	4004.7	4011.6	4004.7	3991.8
50°		3929.2	3935.2	3950.8	3960.3	3950.8	3935.2	3929.2	3935.2	3950.8	3960.3	3950.8	3935.2
55°		3856.4	3862.8	3881.9	3893.6	3881.9	3862.8	3856.4	3862.8	3881.9	3893.6	3881.9	3862.8
60°		3760.6	3768.4	3790.6	3805.7	3790.6	3768.4	3760.6	3768.4	3790.6	3805.7	3790.6	3768.4
65°		3633.6	3644.3	3671.7	3689.9	3671.7	3644.3	3633.6	3644.3	3671.7	3689.9	3671.7	3644.3
70°		3457.6	3471.9	3507.2	3528.2	3507.2	3471.9	3457.6	3471.9	3507.2	3528.2	3507.2	3471.9
75°		3219.9	3239.7	3286.4	3308.1	3286.4	3239.7	3219.9	3239.7	3286.4	3308.1	3286.4	3239.7
80°		2883.9	2917.6	2963.3	2986.4	2963.3	2917.6	2883.9	2917.6	2963.3	2986.4	2963.3	2917.6
85°		2390.2	2427.9	2483.9	2510.5	2483.9	2427.9	2390.2	2427.9	2483.9	2510.5	2483.9	2427.9

Lichttechnischer Prüfbefund

Familie
Apollon® 31

Bestell-Nr.: 51MP11ND2441
EAN: 4058352451366

LP-Nummer
59146_2

Leuchtdichten in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

