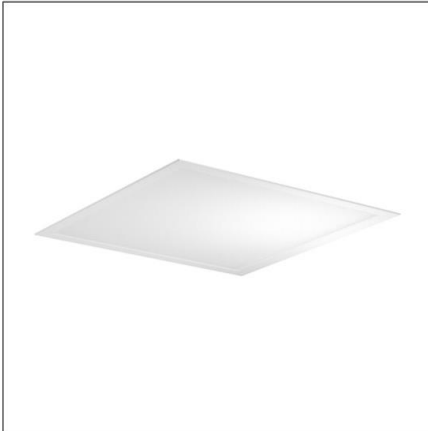


Lichttechnischer Prüfbefund

Familie
Apollon® 31

Bestell-Nr.: 51MP11WD2441
EAN: 4058352451403

LP-Nummer
59142_2



Ausführung quadratisch M625, direkt strahlend
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

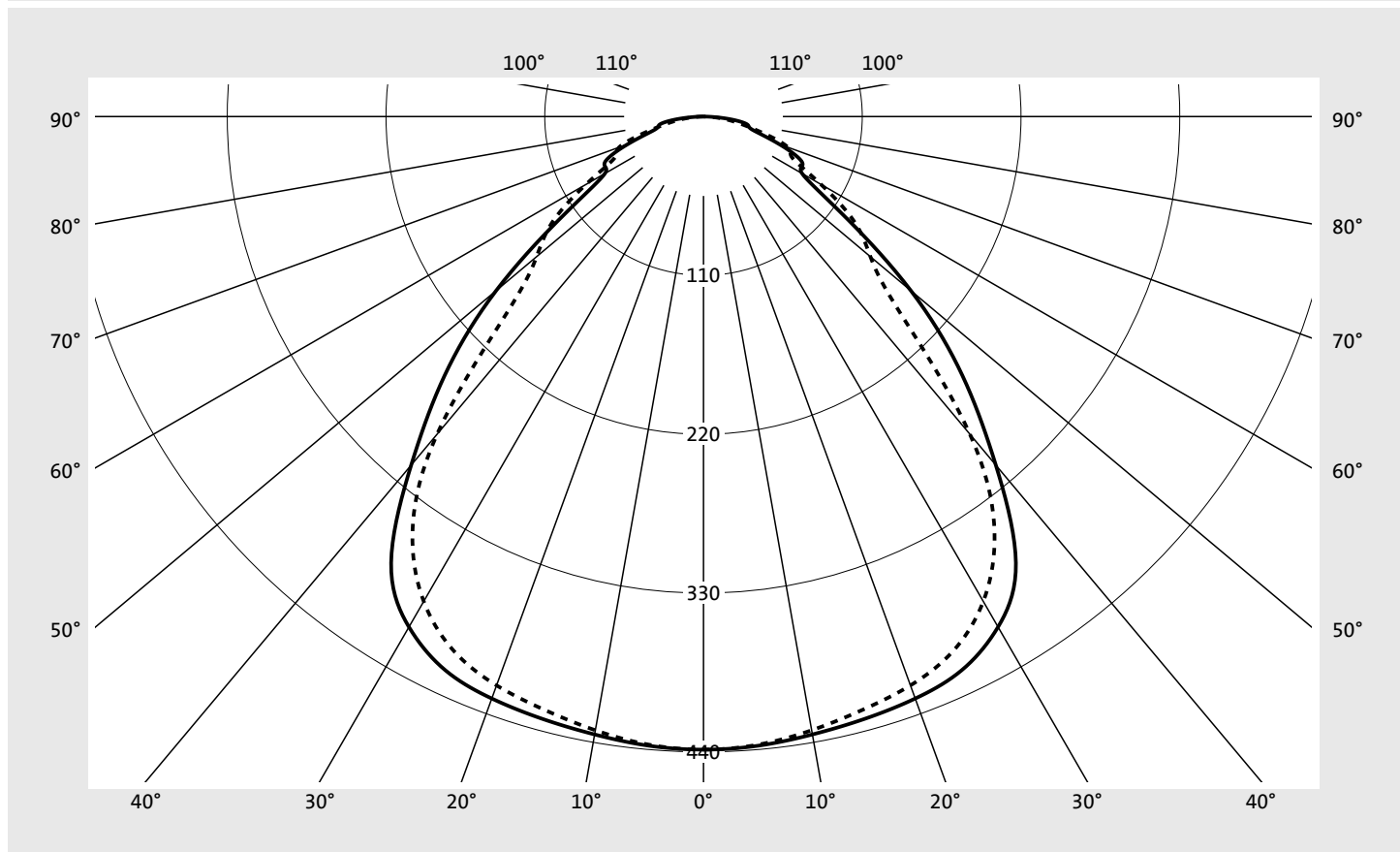
siteco

Lichtstärke in cd/klm

C180-0

C270-90

Imax: 438 cd/klm



Klassifizierungen

DIN 5040 A 5 0
CIE N1=61 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® 31	Bestell-Nr.: 51MP11WD2441 EAN: 4058352451403	LP-Nummer 59142_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°	438.4	438.4	438.4	438.4	438.4	438.4	438.4	438.4	438.4	438.4	438.4	438.4	438.4
5°	437.4	437.3	437.2	437.0	436.8	436.6	436.6	436.6	436.8	437.0	437.2	437.3	437.4
10°	434.6	434.5	434.0	433.3	432.4	431.7	431.6	431.7	432.4	433.3	434.0	434.5	434.6
15°	431.8	431.6	430.7	429.1	427.1	425.8	425.4	425.8	427.1	429.1	430.7	431.6	431.8
20°	428.9	428.3	427.2	424.4	421.6	419.5	419.3	419.5	421.6	424.4	427.2	428.3	428.9
25°	423.2	420.9	418.2	415.6	413.1	409.6	408.7	409.6	413.1	415.6	418.2	420.9	423.2
30°	408.2	404.2	399.0	396.6	395.5	390.5	387.7	390.5	395.5	396.6	399.0	404.2	408.2
35°	377.4	371.2	363.0	362.3	363.4	356.6	351.6	356.6	363.4	362.3	363.0	371.2	377.4
40°	315.1	302.5	294.3	293.8	302.3	293.0	287.2	293.0	302.3	293.8	294.3	302.5	315.1
45°	253.7	227.8	204.4	217.7	244.9	217.9	193.4	217.9	244.9	217.7	204.4	227.8	253.7
50°	187.6	180.3	161.3	178.4	190.7	174.0	151.0	174.0	190.7	178.4	161.3	180.3	187.6
55°	116.8	135.7	127.0	139.5	121.2	131.1	128.2	131.1	121.2	139.5	127.0	135.7	116.8
60°	78.9	100.0	92.5	99.5	76.3	96.9	94.0	96.9	76.3	99.5	92.5	100.0	78.9
65°	75.6	75.3	73.1	74.2	71.7	72.0	68.1	72.0	71.7	74.2	73.1	75.3	75.6
70°	55.7	54.9	60.4	55.7	58.0	55.1	62.2	55.1	58.0	55.7	60.4	54.9	55.7
75°	34.9	39.7	39.0	38.0	33.3	39.2	40.6	39.2	33.3	38.0	39.0	39.7	34.9
80°	30.5	29.5	24.6	27.8	29.3	30.0	23.1	30.0	29.3	27.8	24.6	29.5	30.5
85°	16.1	14.3	11.3	14.6	15.6	14.7	10.4	14.7	15.6	14.6	11.3	14.3	16.1
90°	0.4	0.4	0.3	0.3	0.2	0.2	0.1	0.2	0.2	0.3	0.3	0.4	0.4
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.: 51MP11WD2441 EAN: 4058352451403	LP-Nummer 59142_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°	438.4	438.4	438.4	438.4	438.4	438.4	438.4	438.4	438.4	438.4	438.4	2.6	2.6
5°	437.3	437.2	437.0	436.8	436.6	436.6	436.6	436.8	437.0	437.2	437.3	20.9	23.5
10°	434.5	434.0	433.3	432.4	431.7	431.6	431.7	432.4	433.3	434.0	434.5	41.2	64.7
15°	431.6	430.7	429.1	427.1	425.8	425.4	425.8	427.1	429.1	430.7	431.6	60.8	125.6
20°	428.3	427.2	424.4	421.6	419.5	419.3	419.5	421.6	424.4	427.2	428.3	79.5	205.1
25°	420.9	418.2	415.6	413.1	409.6	408.7	409.6	413.1	415.6	418.2	420.9	96.3	301.4
30°	404.2	399.0	396.6	395.5	390.5	387.7	390.5	395.5	396.6	399.0	404.2	108.9	410.2
35°	371.2	363.0	362.3	363.4	356.6	351.6	356.6	363.4	362.3	363.0	371.2	114.3	524.5
40°	302.5	294.3	293.8	302.3	293.0	287.2	293.0	302.3	293.8	294.3	302.5	104.9	629.5
45°	227.8	204.4	217.7	244.9	217.9	193.4	217.9	244.9	217.7	204.4	227.8	86.3	715.8
50°	180.3	161.3	178.4	190.7	174.0	151.0	174.0	190.7	178.4	161.3	180.3	73.8	789.6
55°	135.7	127.0	139.5	121.2	131.1	128.2	131.1	121.2	139.5	127.0	135.7	58.1	847.7
60°	100.0	92.5	99.5	76.3	96.9	94.0	96.9	76.3	99.5	92.5	100.0	43.6	891.3
65°	75.3	73.1	74.2	71.7	72.0	68.1	72.0	71.7	74.2	73.1	75.3	36.3	927.6
70°	54.9	60.4	55.7	58.0	55.1	62.2	55.1	58.0	55.7	60.4	54.9	29.5	957.1
75°	39.7	39.0	38.0	33.3	39.2	40.6	39.2	33.3	38.0	39.0	39.7	20.0	977.1
80°	29.5	24.6	27.8	29.3	30.0	23.1	30.0	29.3	27.8	24.6	29.5	15.1	992.2
85°	14.3	11.3	14.6	15.6	14.7	10.4	14.7	15.6	14.6	11.3	14.3	7.6	999.8
90°	0.4	0.3	0.3	0.2	0.2	0.1	0.2	0.2	0.3	0.3	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.: 51MP11WD2441 EAN: 4058352451403	LP-Nummer 59142_2
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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	15,4	17,0	15,8	17,3	17,6	15,3	16,9	15,7	17,2	17,5
	3H	16,4	17,8	16,8	18,1	18,5	16,3	17,7	16,7	18,0	18,4
	4H	16,8	18,1	17,2	18,5	18,8	16,8	18,1	17,2	18,5	18,8
	6H	17,3	18,5	17,7	18,8	19,2	17,2	18,4	17,6	18,8	19,2
	8H	17,5	18,7	18,0	19,0	19,4	17,3	18,5	17,8	18,9	19,3
	12H	17,8	18,8	18,2	19,2	19,6	17,5	18,5	17,9	18,9	19,3
4H	2H	15,8	17,2	16,2	17,5	17,9	15,8	17,1	16,2	17,4	17,8
	3H	17,1	18,2	17,5	18,6	19,0	17,0	18,1	17,4	18,5	18,9
	4H	17,6	18,6	18,1	19,0	19,5	17,6	18,6	18,0	19,0	19,4
	6H	18,3	19,1	18,7	19,5	20,0	18,2	19,0	18,6	19,4	19,9
	8H	18,6	19,4	19,1	19,8	20,3	18,4	19,2	18,9	19,6	20,1
	12H	18,9	19,5	19,3	20,0	20,5	18,6	19,2	19,1	19,7	20,2
8H	4H	17,9	18,6	18,3	19,1	19,6	17,8	18,6	18,3	19,0	19,5
	6H	18,6	19,3	19,1	19,7	20,2	18,6	19,2	19,1	19,7	20,2
	8H	19,0	19,6	19,5	20,1	20,6	18,9	19,5	19,4	20,0	20,5
	12H	19,4	19,8	19,9	20,3	20,9	19,2	19,7	19,8	20,2	20,7
12H	4H	17,9	18,6	18,4	19,1	19,6	17,9	18,5	18,3	19,0	19,5
	6H	18,7	19,3	19,2	19,8	20,3	18,7	19,2	19,2	19,7	20,2
	8H	19,1	19,6	19,7	20,1	20,7	19,1	19,6	19,6	20,1	20,6

Leuchtdichten-Tabelle	Max. für $\gamma \geq 65^\circ$	Lichttechnische Abmessungen in mm:	L = 573	B = 573
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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°	4371.8	3521.3	4219.4	3331.8	4219.4	3521.3	4371.8	3521.3	4219.4	3331.8	4219.4	3521.3
50°	3554.9	3057.1	3614.0	2861.8	3614.0	3057.1	3554.9	3057.1	3614.0	2861.8	3614.0	3057.1
55°	2480.1	2698.2	2573.7	2722.0	2573.7	2698.2	2480.1	2698.2	2573.7	2722.0	2573.7	2698.2
60°	1922.3	2254.2	1858.8	2291.5	1858.8	2254.2	1922.3	2254.2	1858.8	2291.5	1858.8	2254.2
65°	2178.1	2107.0	2066.3	1961.8	2066.3	2107.0	2178.1	2107.0	2066.3	1961.8	2066.3	2107.0
70°	1985.6	2152.9	2065.9	2217.2	2065.9	2152.9	1985.6	2152.9	2065.9	2217.2	2065.9	2152.9
75°	1641.3	1837.9	1567.3	1912.9	1567.3	1837.9	1641.3	1837.9	1567.3	1912.9	1567.3	1837.9
80°	2140.6	1725.3	2057.7	1624.1	2057.7	1725.3	2140.6	1725.3	2057.7	1624.1	2057.7	1725.3
85°	2244.5	1573.8	2187.0	1460.3	2187.0	1573.8	2244.5	1573.8	2187.0	1460.3	2187.0	1573.8

Lichttechnischer Prüfbefund

Familie Apollon® 31	Bestell-Nr.: 51MP11WD2441 EAN: 4058352451403	LP-Nummer 59142_2
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Leuchtdichten in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85° **siteco**

