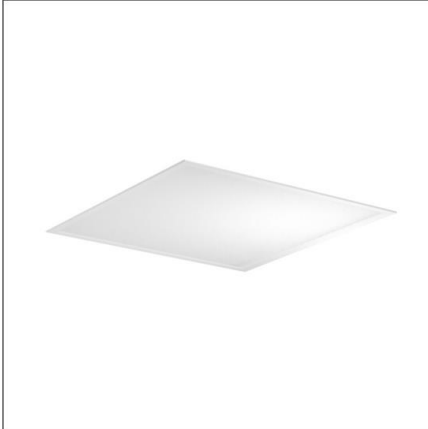


Lichttechnischer Prüfbefund

Familie
Apollon® 31

Bestell-Nr.: 51MP12WD2441
EAN: 4058352451489

LP-Nummer
59140_2



Ausführung quadratisch M600, 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

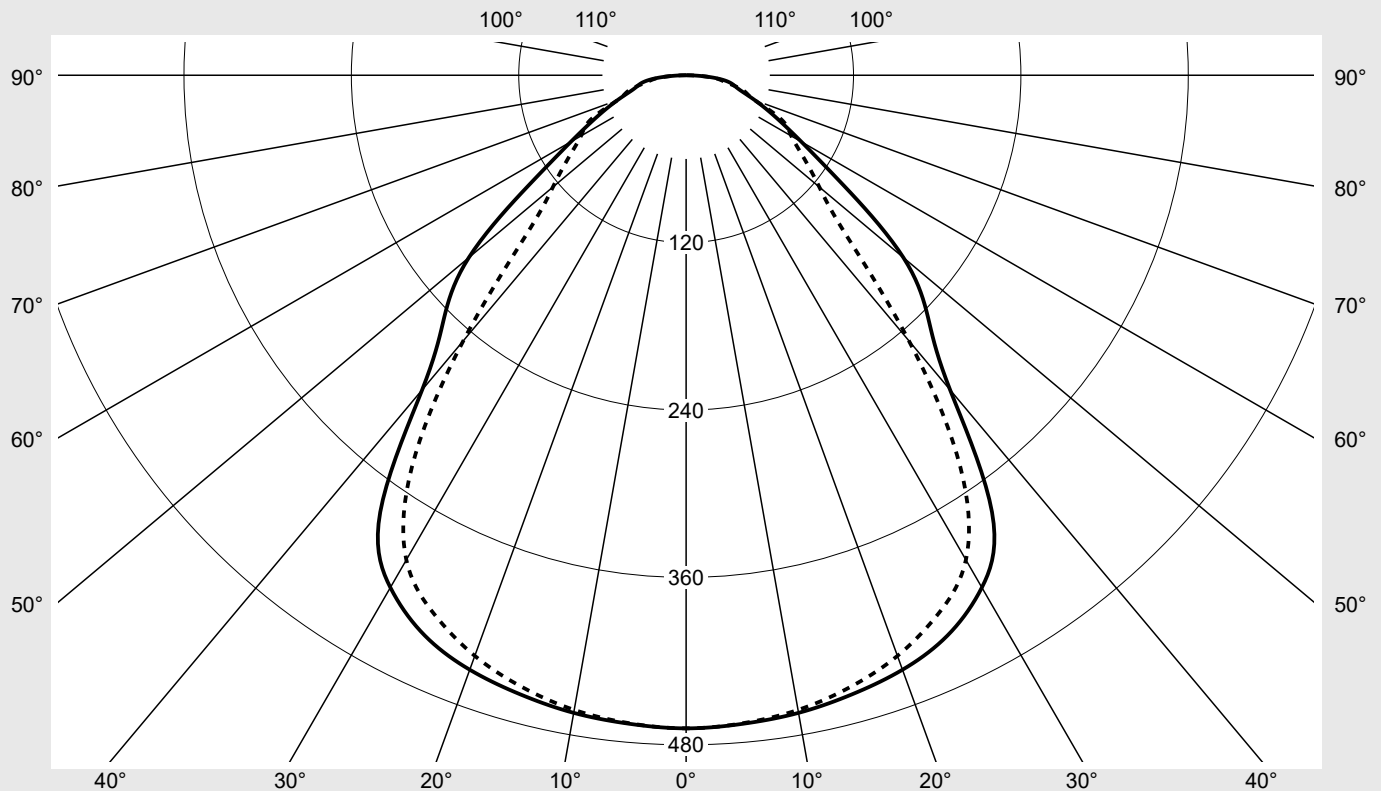
siteco

Lichtstärke in cd/klm

C180-0

C270-90

Imax: 468 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.: 51MP12WD2441 EAN: 4058352451489	LP-Nummer 59140_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°	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2
5°	466.7	466.2	466.1	466.2	466.6	466.3	466.3	466.3	466.6	466.2	466.1	466.2	466.7
10°	464.1	463.4	462.8	462.4	462.2	461.9	462.0	461.9	462.2	462.4	462.8	463.4	464.1
15°	459.5	458.3	457.0	456.4	456.0	454.8	454.1	454.8	456.0	456.4	457.0	458.3	459.5
20°	453.5	451.1	448.1	448.0	447.3	444.5	442.9	444.5	447.3	448.0	448.1	451.1	453.5
25°	443.2	439.9	435.6	434.8	432.8	428.8	426.6	428.8	432.8	434.8	435.6	439.9	443.2
30°	424.1	419.8	415.5	412.4	409.8	403.7	401.2	403.7	409.8	412.4	415.5	419.8	424.1
35°	382.3	373.1	366.4	364.0	363.5	349.4	342.7	349.4	363.5	364.0	366.4	373.1	382.3
40°	294.4	283.5	275.9	271.3	277.8	253.6	248.5	253.6	277.8	271.3	275.9	283.5	294.4
45°	245.2	212.7	181.1	206.2	235.8	190.3	162.7	190.3	235.8	206.2	181.1	212.7	245.2
50°	203.4	157.9	140.3	152.7	187.8	145.6	124.7	145.6	187.8	152.7	140.3	157.9	203.4
55°	138.2	123.9	116.2	117.5	115.8	116.5	102.8	116.5	115.8	117.5	116.2	123.9	138.2
60°	95.5	97.5	95.6	90.3	76.6	94.8	87.0	94.8	76.6	90.3	95.6	97.5	95.5
65°	70.5	74.8	81.2	73.3	60.6	73.9	75.7	73.9	60.6	73.3	81.2	74.8	70.5
70°	52.6	59.9	61.2	61.0	47.3	57.2	52.4	57.2	47.3	61.0	61.2	59.9	52.6
75°	39.3	47.8	40.5	47.7	37.2	43.6	42.6	43.6	37.2	47.7	40.5	47.8	39.3
80°	32.6	33.8	24.7	31.0	33.8	33.8	29.0	33.8	33.8	31.0	24.7	33.8	32.6
85°	19.6	19.9	16.6	20.6	21.2	22.6	19.0	22.6	21.2	20.6	16.6	19.9	19.6
90°	0.8	1.0	0.5	0.8	0.4	0.5	0.3	0.5	0.4	0.8	0.5	1.0	0.8
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.: 51MP12WD2441 EAN: 4058352451489	LP-Nummer 59140_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°	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2	2.8	2.8
5°	466.2	466.1	466.2	466.6	466.3	466.3	466.3	466.6	466.2	466.1	466.2	22.3	25.1
10°	463.4	462.8	462.4	462.2	461.9	462.0	461.9	462.2	462.4	462.8	463.4	44.0	69.1
15°	458.3	457.0	456.4	456.0	454.8	454.1	454.8	456.0	456.4	457.0	458.3	64.8	133.9
20°	451.1	448.1	448.0	447.3	444.5	442.9	444.5	447.3	448.0	448.1	451.1	84.0	217.8
25°	439.9	435.6	434.8	432.8	428.8	426.6	428.8	432.8	434.8	435.6	439.9	100.6	318.5
30°	419.8	415.5	412.4	409.8	403.7	401.2	403.7	409.8	412.4	415.5	419.8	113.0	431.5
35°	373.1	366.4	364.0	363.5	349.4	342.7	349.4	363.5	364.0	366.4	373.1	114.2	545.7
40°	283.5	275.9	271.3	277.8	253.6	248.5	253.6	277.8	271.3	275.9	283.5	95.9	641.6
45°	212.7	181.1	206.2	235.8	190.3	162.7	190.3	235.8	206.2	181.1	212.7	79.5	721.1
50°	157.9	140.3	152.7	187.8	145.6	124.7	145.6	187.8	152.7	140.3	157.9	66.4	787.4
55°	123.9	116.2	117.5	115.8	116.5	102.8	116.5	115.8	117.5	116.2	123.9	53.2	840.6
60°	97.5	95.6	90.3	76.6	94.8	87.0	94.8	76.6	90.3	95.6	97.5	43.2	883.8
65°	74.8	81.2	73.3	60.6	73.9	75.7	73.9	60.6	73.3	81.2	74.8	36.2	920.0
70°	59.9	61.2	61.0	47.3	57.2	52.4	57.2	47.3	61.0	61.2	59.9	29.1	949.1
75°	47.8	40.5	47.7	37.2	43.6	42.6	43.6	37.2	47.7	40.5	47.8	22.7	971.8
80°	33.8	24.7	31.0	33.8	33.8	29.0	33.8	33.8	31.0	24.7	33.8	16.9	988.7
85°	19.9	16.6	20.6	21.2	22.6	19.0	22.6	21.2	20.6	16.6	19.9	10.9	999.7
90°	1.0	0.5	0.8	0.4	0.5	0.3	0.5	0.4	0.8	0.5	1.0	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.: 51MP12WD2441 EAN: 4058352451489	LP-Nummer 59140_2
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UGR-Tabelle		Standardraum									
		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
Raumabmessungen											
x	y										
2H	2H	15,5	17,0	15,8	17,4	17,7	15,0	16,6	15,4	16,9	17,2
	3H	16,6	18,0	16,9	18,3	18,6	16,2	17,6	16,6	17,9	18,3
	4H	17,1	18,4	17,5	18,8	19,1	16,8	18,1	17,2	18,4	18,8
	6H	17,7	18,9	18,1	19,3	19,7	17,4	18,6	17,8	18,9	19,3
	8H	18,0	19,1	18,4	19,5	19,9	17,6	18,8	18,0	19,1	19,5
	12H	18,3	19,3	18,7	19,7	20,1	17,9	19,0	18,4	19,4	19,8
4H	2H	15,9	17,2	16,3	17,6	18,0	15,5	16,8	15,9	17,2	17,5
	3H	17,3	18,4	17,7	18,8	19,2	16,8	17,9	17,3	18,3	18,7
	4H	18,0	19,0	18,4	19,4	19,8	17,6	18,5	18,0	19,0	19,4
	6H	18,8	19,6	19,2	20,1	20,5	18,4	19,2	18,8	19,7	20,1
	8H	19,2	19,9	19,6	20,4	20,9	18,8	19,6	19,2	20,0	20,5
	12H	19,5	20,2	20,0	20,7	21,2	19,2	19,9	19,7	20,3	20,8
8H	4H	18,3	19,1	18,8	19,5	20,0	17,9	18,7	18,4	19,2	19,6
	6H	19,2	19,8	19,6	20,3	20,8	19,0	19,6	19,5	20,1	20,6
	8H	19,6	20,2	20,1	20,7	21,2	19,5	20,1	20,0	20,6	21,1
	12H	20,2	20,6	20,7	21,1	21,7	20,1	20,6	20,6	21,1	21,6
12H	4H	18,4	19,1	18,9	19,5	20,0	18,0	18,7	18,5	19,1	19,6
	6H	19,3	19,8	19,8	20,3	20,8	19,1	19,6	19,6	20,1	20,7
	8H	19,8	20,3	20,3	20,8	21,3	19,7	20,2	20,2	20,7	21,2

Leuchtdichten-Tabelle		Lichttechnische Abmessungen in mm: L = 553 B = 553											
Max. für $\gamma \geq 65^\circ$													
C-Ebenen	γ	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°	330°
		Leuchtdichte in cd/m²											
45°		4535.6	3350.2	4361.0	3009.3	4361.0	3350.2	4535.6	3350.2	4361.0	3009.3	4361.0	3350.2
50°		4138.1	2854.7	3821.9	2536.9	3821.9	2854.7	4138.1	2854.7	3821.9	2536.9	3821.9	2854.7
55°		3152.6	2650.4	2640.4	2344.5	2640.4	2650.4	3152.6	2650.4	2640.4	2344.5	2640.4	2650.4
60°		2497.1	2500.0	2004.7	2276.5	2004.7	2500.0	2497.1	2500.0	2004.7	2276.5	2004.7	2500.0
65°		2183.2	2511.9	1875.9	2341.4	1875.9	2511.9	2183.2	2511.9	1875.9	2341.4	1875.9	2511.9
70°		2010.7	2339.9	1810.7	2002.7	1810.7	2339.9	2010.7	2339.9	1810.7	2002.7	1810.7	2339.9
75°		1988.3	2045.5	1877.9	2153.4	1877.9	2045.5	1988.3	2045.5	1877.9	2153.4	1877.9	2045.5
80°		2457.9	1857.1	2547.6	2183.1	2547.6	1857.1	2457.9	1857.1	2547.6	2183.1	2547.6	1857.1
85°		2937.9	2489.9	3175.5	2849.2	3175.5	2489.9	2937.9	2489.9	3175.5	2849.2	3175.5	2489.9

Lichttechnischer Prüfbefund

Familie Apollon® 31	Bestell-Nr.: 51MP12WD2441 EAN: 4058352451489	LP-Nummer 59140_2
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Leuchtdichten in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85°

