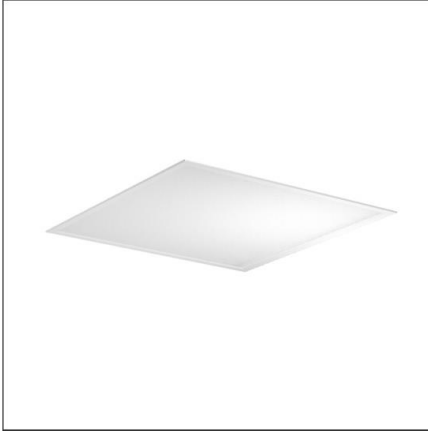


Photometric test report

Family
Apollon® 31

Order number: 51MP12W72341
EAN: 4058352451458

LP number
59139_1



Version square M600, direct distribution
Lamps LED 3000 K | CRI ≥ 80
Controlgear ECG
Rated values Net luminous flux = 3800 lm
Power consumption = 35.0 W
Luminous efficacy = 108.6 lm/W

serial
documentation
23.03.2021

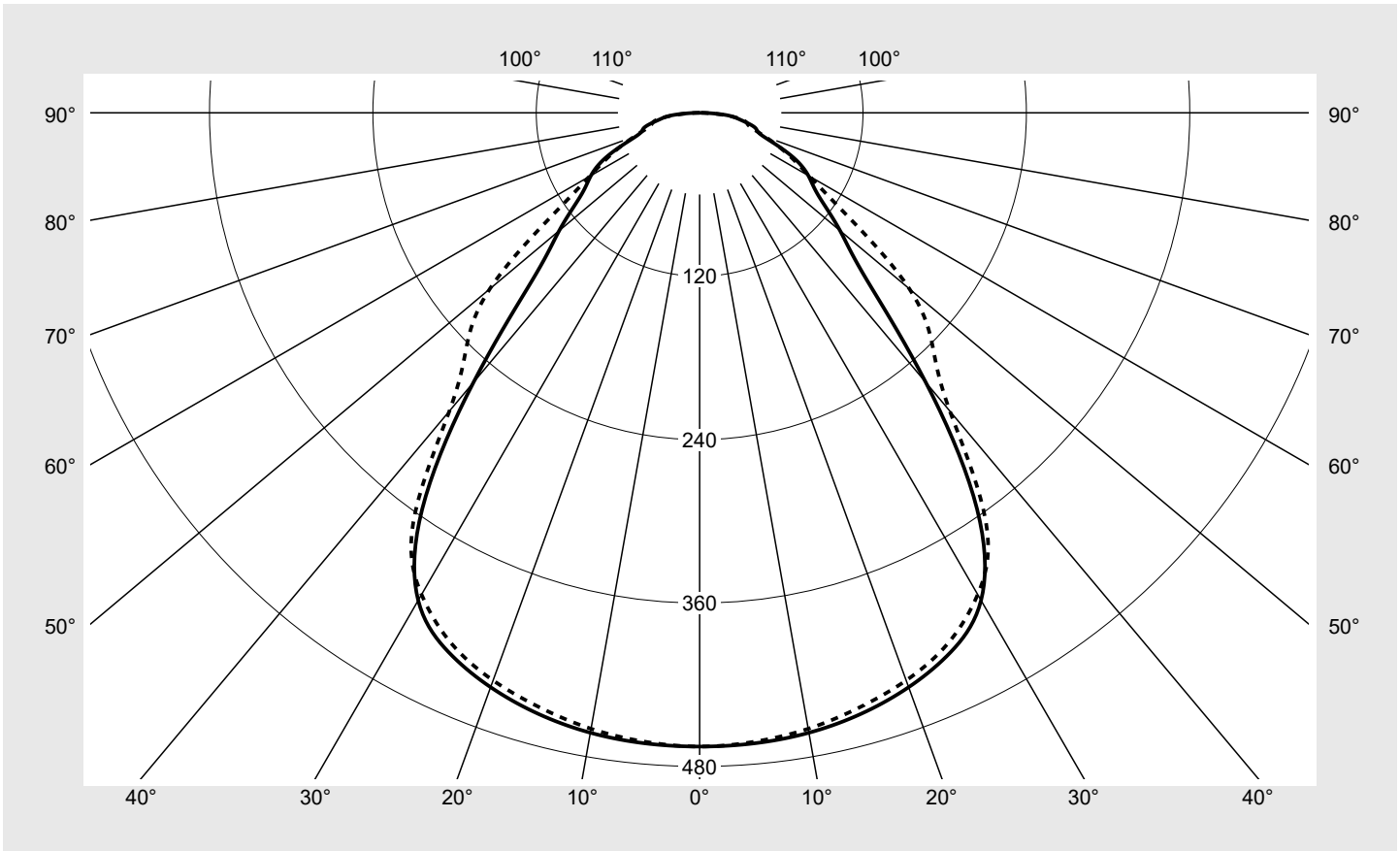
siteco

Luminous intensity in cd/klm

C180-0

C270-90

Imax: 465 cd/klm



Classifications

DIN 5040 A 5 0
CIE N1=62 N2=86 N3=96
N4=100 N5=100

Luminaire light output ratios

η_{LB} 100.0%
 ϕ_u 100.0%
 ϕ_o 0.0%

Measurement conditions

DIN EN 13032 and DIN 5032

Photometric test report

Family Apollon® 31	Order number: 51MP12W72341 EAN: 4058352451458	LP number 59139_1
Table of values for luminous intensities		Maximum luminous intensity
		siteco

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

Photometric test report

Family Apollon® 31	Order number: 51MP12W72341 EAN: 4058352451458	LP number 59139_1
Table of values for luminous intensities		Maximum luminous intensity
		sITeco

C-planes	195°	210°	225°	240°	255°	270°	285°	300°	315°	330°	345°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm											Luminous flux 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

Photometric test report

Family Apollon® 31	Order number: 51MP12W72341 EAN: 4058352451458	LP number 59139_1
------------------------------	--	-----------------------------

UGR-Table	Standard room	siteco
------------------	----------------------	---------------

Reflection factor of ceiling	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
Reflection factor of walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
Reflection factor of floor	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions	View crosswise (C0)					View endwise (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

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 553	B = 553
------------------------	---	--------------------------------------	----------------	----------------

C-planes	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°	330°
γ	Luminance in cd/m²											
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

Photometric test report

Family Apollon® 31	Order number: 51MP12W72341 EAN: 4058352451458	LP number 59139_1
-------------------------------------	--	------------------------------------



Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

