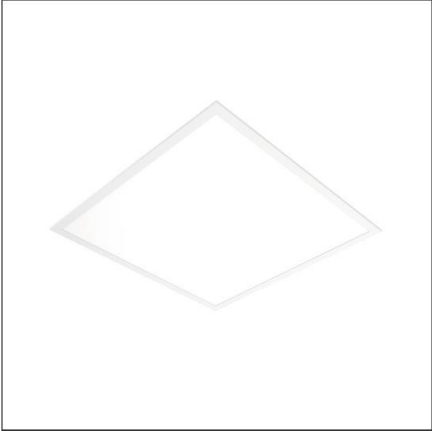
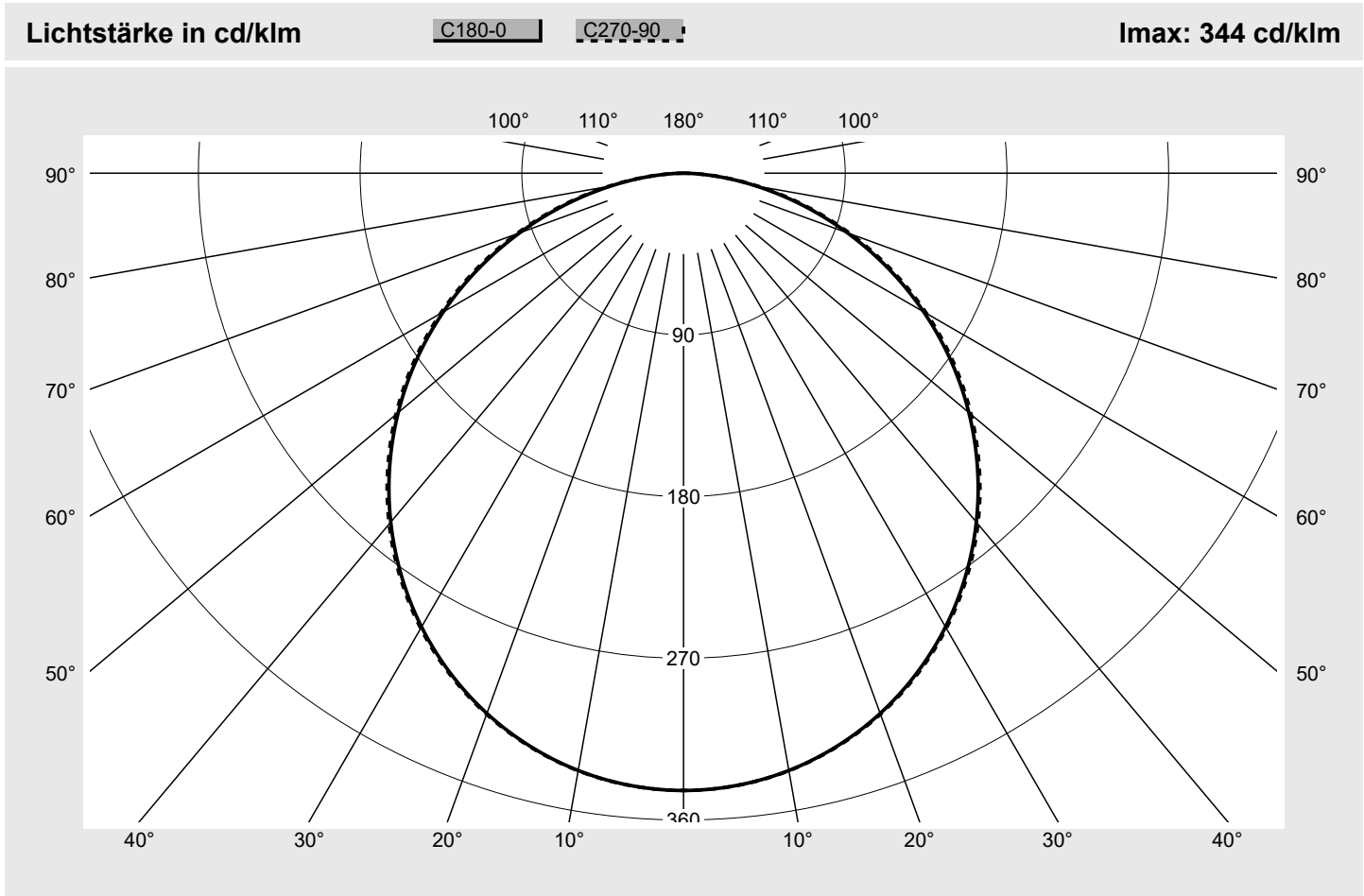


Lichttechnischer Prüfbefund

Familie Apollon® 41	Bestell-Nr.: 51MH12H72443 EAN: 4058352930915	LP-Nummer 59514_5
	Ausführung	Einbauleuchte für Einlegemontage, quadratisch M600, opal, extrem breit strahlend, UGR≤22
	Bestückung	LED 4000 K CRI ≥ 80
	Betriebsgerät	EVG
	Bemessungswerte	Nettolichtstrom = 5000 lm Systemleistung = 38.5 W Lichtausbeute = 129.9 lm/W
		Seriendokumentation 20.01.2026
		



Klassifizierungen		Leuchtenbetriebswirkungsgrade	
DIN 5040	A 4 0	η_{LB}	100,0%
CIE	N1=47 N2=78 N3=95	ϕ_u	100,0%
	N4=100 N5=100	ϕ_o	0,0%

Messbedingungen
DIN EN 13032 und DIN 5032

Lichttechnischer Prüfbefund

Familie Apollon® 41	Bestell-Nr.: 51MH12H72443 EAN: 4058352930915	LP-Nummer 59514_5
Wertetabelle Lichtstärkemessung		Maximale Lichtstärke siteco

C- Ebenen	0°	15° 345°	30° 330°	45° 315°	60° 300°	75° 285°	90° 270°
γ	Lichtstärke in cd/klm						
0°	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
10°	337.6	337.6	337.7	337.7	337.8	337.8	337.7
15°	330.2	330.3	330.4	330.4	330.5	330.6	330.5
20°	320.0	320.1	320.2	320.3	320.4	320.5	320.5
25°	307.1	307.1	307.3	307.5	307.6	307.8	307.8
30°	291.6	291.7	291.9	292.1	292.3	292.5	292.5
35°	273.7	273.8	274.0	274.3	274.5	274.8	274.8
40°	253.5	253.6	253.9	254.2	254.5	254.8	254.9
45°	231.3	231.4	231.7	232.0	232.4	232.8	232.8
50°	207.3	207.3	207.6	208.0	208.5	208.8	209.0
55°	181.6	181.6	181.9	182.3	182.8	183.2	183.3
60°	154.3	154.4	154.7	155.1	155.6	156.0	156.2
65°	126.0	126.1	126.4	126.8	127.4	127.8	128.0
70°	97.1	97.2	97.5	97.9	98.5	98.9	99.0
75°	68.4	68.5	68.8	69.3	69.8	70.1	70.3
80°	41.1	41.2	41.6	42.0	42.2	42.5	42.6
85°	17.1	17.2	17.4	17.5	17.8	17.9	18.0
90°	0.5	0.4	0.4	0.3	0.3	0.2	0.2
95°	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
105°	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
115°	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
125°	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
135°	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
145°	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
155°	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
165°	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
175°	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

Lichttechnischer Prüfbefund

Familie Apollon® 41			Bestell-Nr.: 51MH12H72443 EAN: 4058352930915				LP-Nummer 59514_5	
Wertetabelle Lichtstärkemessung							sITeco	
C- Ebenen	105° 255°	120° 240°	135° 225°	150° 210°	165° 195°	180°	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	2.1	2.1
5°	342.2	342.2	342.1	342.1	342.1	342.0	16.3	18.4
10°	337.8	337.8	337.7	337.7	337.6	337.6	32.1	50.5
15°	330.6	330.5	330.4	330.4	330.3	330.2	46.9	97.4
20°	320.5	320.4	320.3	320.2	320.1	320.0	60.0	157.5
25°	307.8	307.6	307.5	307.3	307.1	307.1	71.2	228.7
30°	292.5	292.3	292.1	291.9	291.7	291.6	80.1	308.7
35°	274.8	274.5	274.3	274.0	273.8	273.7	86.2	395.0
40°	254.8	254.5	254.2	253.9	253.6	253.5	89.6	484.5
45°	232.8	232.4	232.0	231.7	231.4	231.3	89.9	574.5
50°	208.8	208.5	208.0	207.6	207.3	207.3	87.4	661.8
55°	183.2	182.8	182.3	181.9	181.6	181.6	81.9	743.7
60°	156.0	155.6	155.1	154.7	154.4	154.3	73.7	817.4
65°	127.8	127.4	126.8	126.4	126.1	126.0	63.1	880.4
70°	98.9	98.5	97.9	97.5	97.2	97.1	50.5	930.9
75°	70.1	69.8	69.3	68.8	68.5	68.4	36.7	967.6
80°	42.5	42.2	42.0	41.6	41.2	41.1	22.6	990.2
85°	17.9	17.8	17.5	17.4	17.2	17.1	9.6	999.8
90°	0.2	0.3	0.3	0.4	0.4	0.5	0.2	1000.0
95°	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	1000.0
105°	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	1000.0
115°	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	1000.0
125°	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	1000.0
135°	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	1000.0
145°	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	1000.0
155°	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	1000.0
165°	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	1000.0
175°	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	1000.0

Lichttechnischer Prüfbefund

Familie Apollon® 41			Bestell-Nr.: 51MH12H72443 EAN: 4058352930915						LP-Nummer 59514_5		
UGR-Tabelle			Standardraum						siteco		
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	18,1	19,8	18,4	20,1	20,4	18,1	19,8	18,5	20,1	20,4
	3H	19,7	21,2	20,1	21,6	21,9	19,8	21,3	20,2	21,7	22,0
	4H	20,4	21,8	20,8	22,2	22,5	20,5	21,9	20,9	22,3	22,6
	6H	20,9	22,2	21,3	22,6	23,0	21,0	22,3	21,4	22,7	23,1
	8H	21,1	22,3	21,5	22,7	23,1	21,2	22,5	21,6	22,8	23,2
	12H	21,2	22,4	21,6	22,8	23,2	21,3	22,5	21,8	22,9	23,3
4H	2H	18,8	20,3	19,2	20,6	21,0	18,9	20,3	19,3	20,7	21,1
	3H	20,7	21,9	21,1	22,3	22,7	20,7	22,0	21,2	22,4	22,8
	4H	21,5	22,6	21,9	23,0	23,4	21,6	22,7	22,0	23,1	23,5
	6H	22,1	23,1	22,5	23,5	23,9	22,2	23,2	22,6	23,6	24,0
	8H	22,3	23,2	22,8	23,6	24,1	22,4	23,3	22,9	23,8	24,2
	12H	22,5	23,3	22,9	23,7	24,2	22,6	23,4	23,1	23,8	24,3
8H	4H	21,8	22,7	22,3	23,2	23,6	21,9	22,8	22,4	23,2	23,7
	6H	22,6	23,3	23,1	23,8	24,3	22,7	23,4	23,2	23,9	24,4
	8H	22,9	23,5	23,4	24,0	24,5	23,0	23,6	23,5	24,1	24,6
	12H	23,1	23,6	23,6	24,1	24,7	23,2	23,8	23,7	24,3	24,8
12H	4H	21,9	22,7	22,4	23,1	23,6	22,0	22,8	22,4	23,2	23,7
	6H	22,7	23,3	23,2	23,8	24,3	22,8	23,4	23,3	23,9	24,4
	8H	23,0	23,5	23,5	24,0	24,6	23,1	23,7	23,6	24,1	24,7

Leuchtdichten-Tabelle		Max. für $\gamma \geq 65^\circ$												Lichttechnische Abmessungen in mm:		L = 555 B = 555
C- Ebenen		0°	15° 345°	30° 330°	45° 315°	60° 300°	75° 285°	90° 270°	105° 255°	120° 240°	135° 225°	150° 210°	165° 195°	180°		
γ		Leuchtdichte in cd/m²														
45°		5310.8	5311.9	5318.6	5326.2	5335.8	5343.7	5345.0	5343.7	5335.8	5326.2	5318.6	5311.9	5310.8		
50°		5235.2	5235.7	5243.3	5252.4	5264.0	5273.4	5276.7	5273.4	5264.0	5252.4	5243.3	5235.7	5235.2		
55°		5138.2	5139.6	5146.7	5158.1	5172.2	5184.1	5187.8	5184.1	5172.2	5158.1	5146.7	5139.6	5138.2		
60°		5010.6	5013.2	5021.1	5035.0	5050.6	5065.6	5070.8	5065.6	5050.6	5035.0	5021.1	5013.2	5010.6		
65°		4841.4	4844.9	4855.7	4870.7	4892.2	4908.4	4916.4	4908.4	4892.2	4870.7	4855.7	4844.9	4841.4		
70°		4606.8	4611.6	4625.9	4648.2	4672.9	4693.8	4700.9	4693.8	4672.9	4648.2	4625.9	4611.6	4606.8		
75°		4290.2	4295.9	4316.6	4347.3	4378.7	4398.8	4407.7	4398.8	4378.7	4347.3	4316.6	4295.9	4290.2		
80°		3842.5	3854.6	3887.4	3922.9	3948.3	3971.6	3979.1	3971.6	3948.3	3922.9	3887.4	3854.6	3842.5		
85°		3184.6	3208.8	3234.9	3268.4	3309.6	3335.7	3345.0	3335.7	3309.6	3268.4	3234.9	3208.8	3184.6		

Lichttechnischer Prüfbefund

Familie Apollon® 41	Bestell-Nr.: 51MH12H72443 EAN: 4058352930915	LP-Nummer 59514_5	
Leuchtdichten in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85°			sit eco

