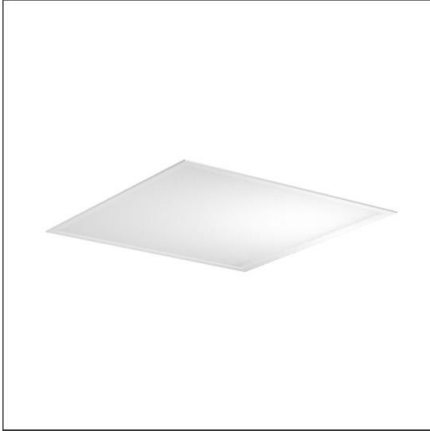


Lichttechnischer Prüfbefund

Familie
Apollon® 31

Bestell-Nr.: 51MP12W72M42
EAN: 4058352926420

LP-Nummer
59515_9



Ausführung Einbauleuchte für Einlegemontage, quadratisch M600, breit strahlend, einstellbare Farbtemperatur: 3000 K | 4000 K, UGR≤19 (L65≤3000cd/m²)

Bestückung LED 3000 K | CRI ≥ 80

Betriebsgerät EVG

Einstellung indiv. Einstellung: Farbtemperatur 3000K

Bemessungswerte Nettolichtstrom = 3800 lm
Systemleistung = 27.5 W
Lichtausbeute = 138.2 lm/W

Seriendokumentation
11.12.2023

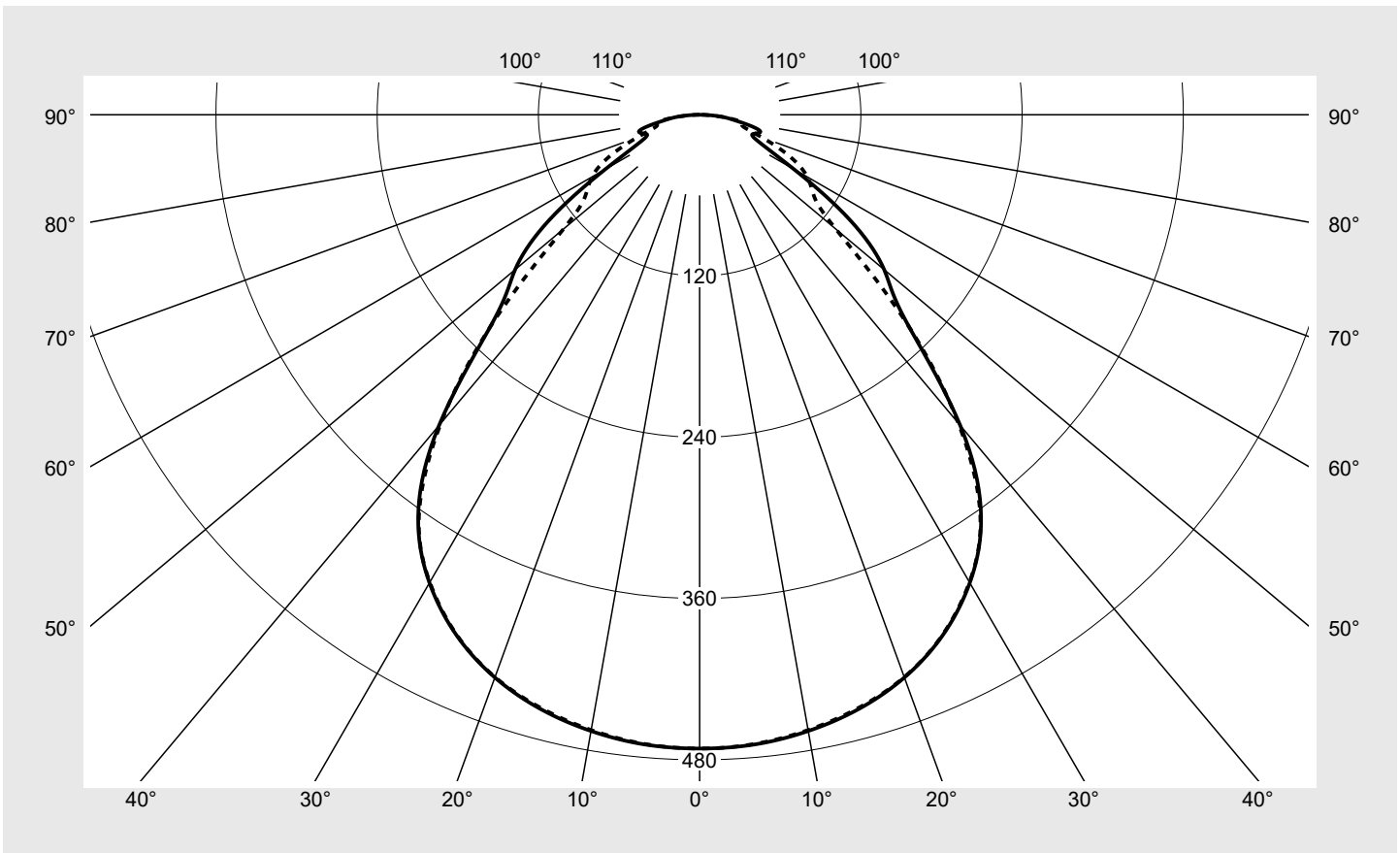
sITeco

Lichtstärke in cd/klm

C180-0

C270-90

Imax: 472 cd/klm



Klassifizierungen

DIN 5040 A 5 0
CIE N1=62 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.: 51MP12W72M42 EAN: 4058352926420	LP-Nummer 59515_9
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°	471.6	471.6	471.6	471.6	471.6	471.6	471.6
5°	470.4	470.1	470.0	470.0	470.0	470.0	470.0
10°	465.6	465.5	465.4	465.1	464.9	464.9	464.9
15°	457.8	457.8	457.6	457.3	456.9	456.8	456.9
20°	445.6	445.7	445.5	445.2	444.7	444.8	445.3
25°	427.7	427.4	427.2	427.1	427.0	427.1	427.3
30°	402.2	401.5	401.3	401.5	401.8	401.9	401.7
35°	365.2	363.5	363.1	364.0	365.5	365.6	364.2
40°	301.7	296.3	295.4	298.8	303.9	304.2	299.6
45°	217.2	205.7	202.8	208.5	217.9	220.2	215.3
50°	179.3	148.1	140.0	155.1	174.5	166.9	132.3
55°	136.8	115.8	111.1	122.8	136.2	129.8	103.4
60°	80.9	88.5	94.7	99.8	96.1	93.7	92.6
65°	49.9	65.2	73.8	75.8	65.2	64.9	74.8
70°	42.0	48.7	53.4	56.3	50.4	48.2	49.6
75°	46.6	41.4	40.0	42.4	43.7	40.7	33.3
80°	29.9	29.2	28.2	26.9	28.8	30.4	31.5
85°	16.1	14.8	14.1	14.0	15.0	15.3	15.1
90°	0.5	0.5	0.4	0.4	0.4	0.3	0.3
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® 31	Bestell-Nr.: 51MP12W72M42 EAN: 4058352926420	LP-Nummer 59515_9
Wertetabelle Lichtstärkemessung		Maximale Lichtstärke
		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°	471.6	471.6	471.6	471.6	471.6	471.6	2.8	2.8
5°	470.0	470.0	470.0	470.0	470.1	470.4	22.5	25.3
10°	464.9	464.9	465.1	465.4	465.5	465.6	44.3	69.6
15°	456.8	456.9	457.3	457.6	457.8	457.8	64.9	134.4
20°	444.8	444.7	445.2	445.5	445.7	445.6	83.5	217.9
25°	427.1	427.0	427.1	427.2	427.4	427.7	99.0	316.9
30°	401.9	401.8	401.5	401.3	401.5	402.2	110.1	426.9
35°	365.6	365.5	364.0	363.1	363.5	365.2	114.6	541.5
40°	304.2	303.9	298.8	295.4	296.3	301.7	105.7	647.2
45°	220.2	217.9	208.5	202.8	205.7	217.2	82.1	729.3
50°	166.9	174.5	155.1	140.0	148.1	179.3	65.8	795.1
55°	129.8	136.2	122.8	111.1	115.8	136.8	55.1	850.2
60°	93.7	96.1	99.8	94.7	88.5	80.9	44.3	894.4
65°	64.9	65.2	75.8	73.8	65.2	49.9	33.7	928.2
70°	48.2	50.4	56.3	53.4	48.7	42.0	26.0	954.1
75°	40.7	43.7	42.4	40.0	41.4	46.6	21.9	976.0
80°	30.4	28.8	26.9	28.2	29.2	29.9	15.7	991.7
85°	15.3	15.0	14.0	14.1	14.8	16.1	8.1	999.8
90°	0.3	0.4	0.4	0.4	0.5	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® 31	Bestell-Nr.: 51MP12W72M42 EAN: 4058352926420	LP-Nummer 59515_9
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UGR-Tabelle		Standardraum									
Raumabmessungen		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
x	y										
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	
2H	2H	15,0	16,5	15,4	16,9	17,2	15,2	16,8	15,6	17,1	17,4
	3H	15,8	17,2	16,2	17,5	17,8	16,1	17,5	16,5	17,8	18,2
	4H	16,4	17,7	16,8	18,0	18,4	16,5	17,8	16,9	18,1	18,5
	6H	17,0	18,2	17,4	18,6	19,0	17,0	18,2	17,5	18,6	19,0
	8H	17,3	18,4	17,7	18,8	19,2	17,3	18,5	17,8	18,8	19,2
	12H	17,5	18,5	17,9	18,9	19,3	17,6	18,6	18,0	19,0	19,4
4H	2H	15,5	16,8	15,9	17,2	17,6	15,7	17,0	16,1	17,3	17,7
	3H	16,6	17,7	17,0	18,0	18,5	16,8	17,8	17,2	18,2	18,6
	4H	17,3	18,3	17,7	18,7	19,1	17,4	18,3	17,8	18,8	19,2
	6H	18,1	18,9	18,5	19,3	19,8	18,1	18,9	18,6	19,4	19,8
	8H	18,4	19,2	18,8	19,6	20,1	18,5	19,2	18,9	19,7	20,1
	12H	18,7	19,3	19,2	19,8	20,3	18,7	19,4	19,2	19,9	20,4
8H	4H	17,6	18,4	18,1	18,8	19,3	17,7	18,5	18,2	18,9	19,4
	6H	18,5	19,2	19,0	19,6	20,1	18,6	19,2	19,1	19,7	20,2
	8H	18,9	19,5	19,4	20,0	20,5	19,0	19,6	19,5	20,1	20,6
	12H	19,3	19,8	19,8	20,3	20,8	19,4	19,9	19,9	20,4	20,9
12H	4H	17,7	18,4	18,2	18,8	19,3	17,8	18,4	18,2	18,9	19,4
	6H	18,6	19,2	19,1	19,7	20,2	18,7	19,2	19,2	19,7	20,2
	8H	19,1	19,6	19,6	20,1	20,6	19,2	19,6	19,7	20,1	20,7

Leuchtdichten-Tabelle		Lichttechnische Abmessungen in mm: L = 555 B = 555												
Max. für $\gamma \geq 65^\circ$		0°	15° 345°	30° 330°	45° 315°	60° 300°	75° 285°	90° 270°	105° 255°	120° 240°	135° 225°	150° 210°	165° 195°	180°
C-Ebenen	γ	Leuchtdichte in cd/m²												
45°	45°	3788.7	3588.3	3537.9	3637.3	3802.5	3842.4	3757.1	3842.4	3802.5	3637.3	3537.9	3588.3	3788.7
50°	50°	3441.2	2842.3	2687.6	2977.0	3349.6	3203.6	2539.0	3203.6	3349.6	2977.0	2687.6	2842.3	3441.2
55°	55°	2941.8	2489.9	2389.8	2641.6	2930.0	2790.8	2224.2	2790.8	2930.0	2641.6	2389.8	2489.9	2941.8
60°	60°	1997.2	2182.4	2337.4	2462.1	2372.1	2312.8	2284.2	2312.8	2372.1	2462.1	2337.4	2182.4	1997.2
65°	65°	1456.0	1901.8	2154.2	2213.0	1903.1	1893.4	2184.0	1893.4	1903.1	2213.0	2154.2	1901.8	1456.0
70°	70°	1515.8	1754.8	1926.4	2030.6	1818.3	1737.9	1789.1	1737.9	1818.3	2030.6	1926.4	1754.8	1515.8
75°	75°	2218.8	1973.0	1906.3	2019.0	2084.4	1940.3	1586.8	1940.3	2084.4	2019.0	1906.3	1973.0	2218.8
80°	80°	2123.1	2072.0	2001.5	1911.5	2048.7	2156.4	2234.6	2156.4	2048.7	1911.5	2001.5	2072.0	2123.1
85°	85°	2275.2	2088.8	1993.1	1987.5	2118.8	2167.2	2133.0	2167.2	2118.8	1987.5	1993.1	2088.8	2275.2

Lichttechnischer Prüfbefund

Familie
Apollon® 31

Bestell-Nr.: 51MP12W72M42
EAN: 4058352926420

LP-Nummer
59515_9

Leuchtdichten in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

