

Lichttechnischer Prüfbefund

Familie
Highbay 11

Bestell-Nr.: 51HLA1D34SCA
EAN: 4058352322949

LP-Nummer
58918_5



Ausführung eng strahlend, UGR≤22
Bestückung LED 4000 K | CRI ≥ 80
Betriebsgerät EVG-DALI
Bemessungswerte Nettolichtstrom = 48560 lm
Systemleistung = 284.4 W
Lichtausbeute = 170.7 lm/W

Seriendokumentation
21.05.2019

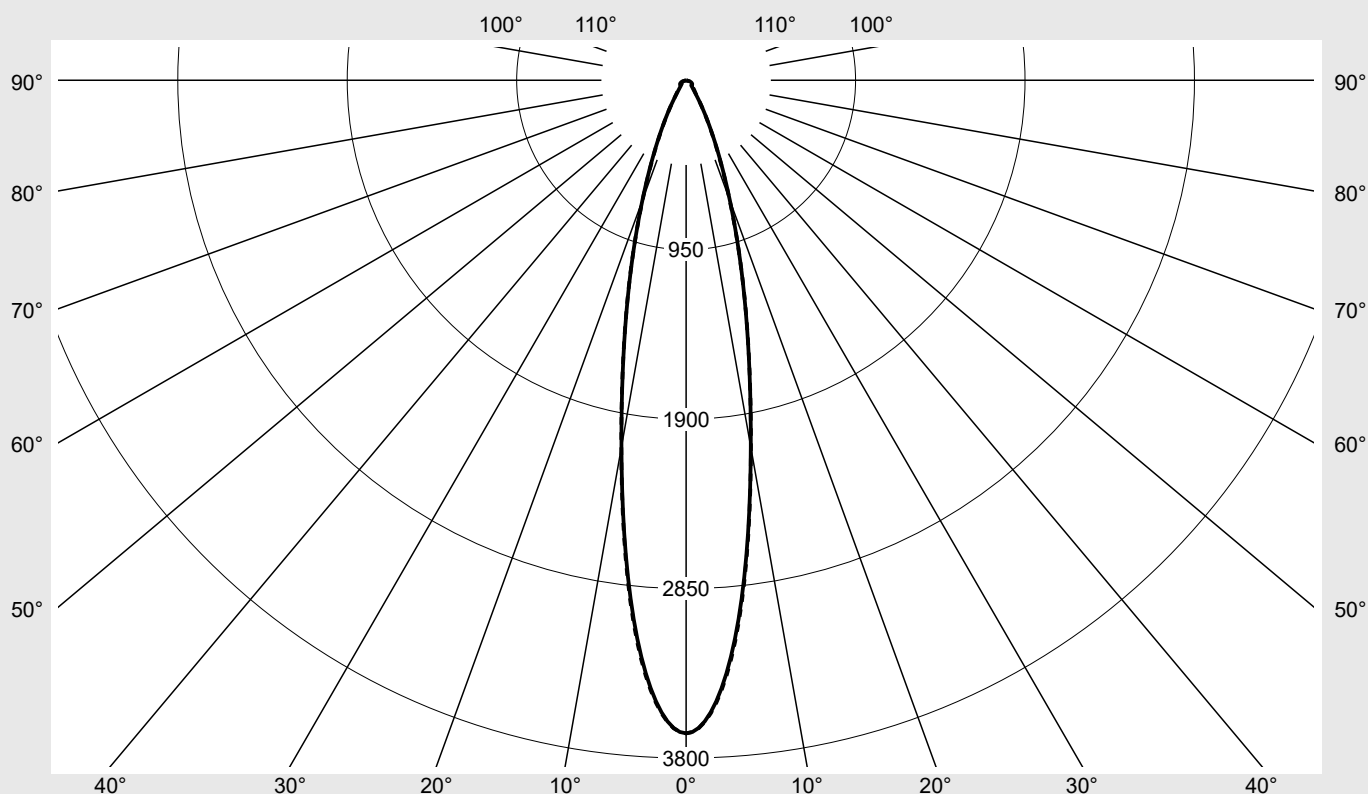
siteco

Lichtstärke in cd/klm

C180-0

C270-90

Imax: 3662 cd/klm



Klassifizierungen

DIN 5040 A 7 0
CIE N1=88 N2=95 N3=99
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 Highbay 11	Bestell-Nr.: 51HLA1D34SCA EAN: 4058352322949	LP-Nummer 58918_5
------------------------------	---	-----------------------------

Wertetabelle Lichtstärkemessung	Maximale Lichtstärke	siteco
--	-----------------------------	---------------

C- Ebenen	0° 180°	15°	30°	45°	60°	75°	90° 270°	Phi-Zone	Summe Phi-Zone
		165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°			
Lichtstärke in cd/klm								Lichtstrom in lm/klm	
γ									
0°	3661.5	3661.5	3661.5	3661.5	3661.5	3661.5	3661.5	21.9	21.9
5°	3142.6	3138.8	3148.7	3152.8	3150.8	3162.1	3157.3	150.5	172.4
10°	2088.2	2082.4	2095.8	2102.6	2097.1	2098.1	2092.4	199.3	371.8
15°	1265.5	1263.0	1272.3	1276.0	1271.9	1272.7	1269.2	180.2	552.0
20°	717.4	718.4	730.4	738.2	732.8	722.5	712.3	136.1	688.1
25°	380.2	383.6	397.1	405.5	395.8	382.2	373.9	90.4	778.5
30°	189.9	192.8	203.8	209.2	205.7	196.2	189.8	54.7	833.2
35°	93.4	93.2	98.1	106.1	108.6	103.6	99.4	31.8	865.0
40°	56.8	57.1	60.0	67.1	71.1	71.1	70.3	22.9	887.9
45°	41.2	40.8	44.9	50.9	50.2	47.6	46.5	18.0	905.9
50°	41.3	41.9	46.2	48.9	40.8	33.1	32.5	17.3	923.2
55°	41.3	42.1	45.2	43.2	36.0	29.8	29.9	17.4	940.6
60°	39.0	39.2	40.5	39.6	33.4	27.4	27.5	16.9	957.4
65°	33.8	33.6	34.5	34.8	29.3	24.3	24.5	15.4	972.8
70°	26.5	26.3	27.0	27.6	23.9	20.0	20.0	12.7	985.5
75°	15.9	16.7	18.0	19.3	17.3	15.5	15.6	9.0	994.6
80°	6.4	6.9	7.9	9.2	9.9	9.6	10.9	4.7	999.3
85°	0.5	0.5	0.6	1.0	1.8	2.4	3.4	0.7	1000.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
95°	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	1000.0
105°	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	1000.0
115°	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	1000.0
125°	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	1000.0
135°	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	1000.0
145°	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	1000.0
155°	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	1000.0
165°	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	1000.0
175°	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	1000.0

Lichttechnischer Prüfbefund

Familie Highbay 11	Bestell-Nr.: 51HLA1D34SCA EAN: 4058352322949	LP-Nummer 58918_5
------------------------------	---	-----------------------------

siteco

UGR-Tabelle		Standardraum									
Raumabmessungen		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
x	y										
2H	2H	17,2	18,3	17,6	18,7	19,0	16,0	17,1	16,3	17,4	17,7
	3H	19,1	20,1	19,5	20,4	20,8	17,6	18,5	17,9	18,9	19,2
	4H	19,7	20,6	20,1	20,9	21,3	18,3	19,2	18,7	19,5	19,9
	6H	19,9	20,7	20,3	21,1	21,5	18,9	19,8	19,3	20,1	20,5
	8H	20,0	20,7	20,4	21,1	21,5	19,3	19,9	19,7	20,3	20,7
	12H	20,0	20,6	20,4	21,0	21,4	19,3	20,0	19,7	20,4	20,8
4H	2H	18,0	18,9	18,4	19,3	19,7	17,1	18,0	17,5	18,4	18,8
	3H	20,0	20,8	20,4	21,2	21,6	18,8	19,6	19,3	20,0	20,4
	4H	20,7	21,4	21,1	21,8	22,2	19,6	20,3	20,1	20,7	21,2
	6H	21,0	21,5	21,4	22,0	22,4	20,3	20,9	20,8	21,3	21,8
	8H	21,0	21,5	21,5	22,0	22,4	20,6	21,1	21,0	21,5	22,0
	12H	21,0	21,4	21,4	21,9	22,4	20,6	21,1	21,1	21,5	22,0
8H	4H	21,0	21,5	21,5	21,9	22,4	20,1	20,6	20,6	21,1	21,5
	6H	21,4	21,7	21,9	22,2	22,7	20,9	21,3	21,4	21,8	22,3
	8H	21,3	21,7	21,8	22,2	22,7	21,1	21,5	21,6	22,0	22,5
	12H	21,3	21,6	21,8	22,1	22,7	21,2	21,5	21,7	22,0	22,5
12H	4H	21,0	21,4	21,5	21,9	22,4	20,1	20,5	20,6	21,0	21,5
	6H	21,3	21,7	21,8	22,2	22,7	20,9	21,2	21,4	21,7	22,2
	8H	21,3	21,7	21,9	22,2	22,7	21,1	21,4	21,6	21,9	22,5

Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$

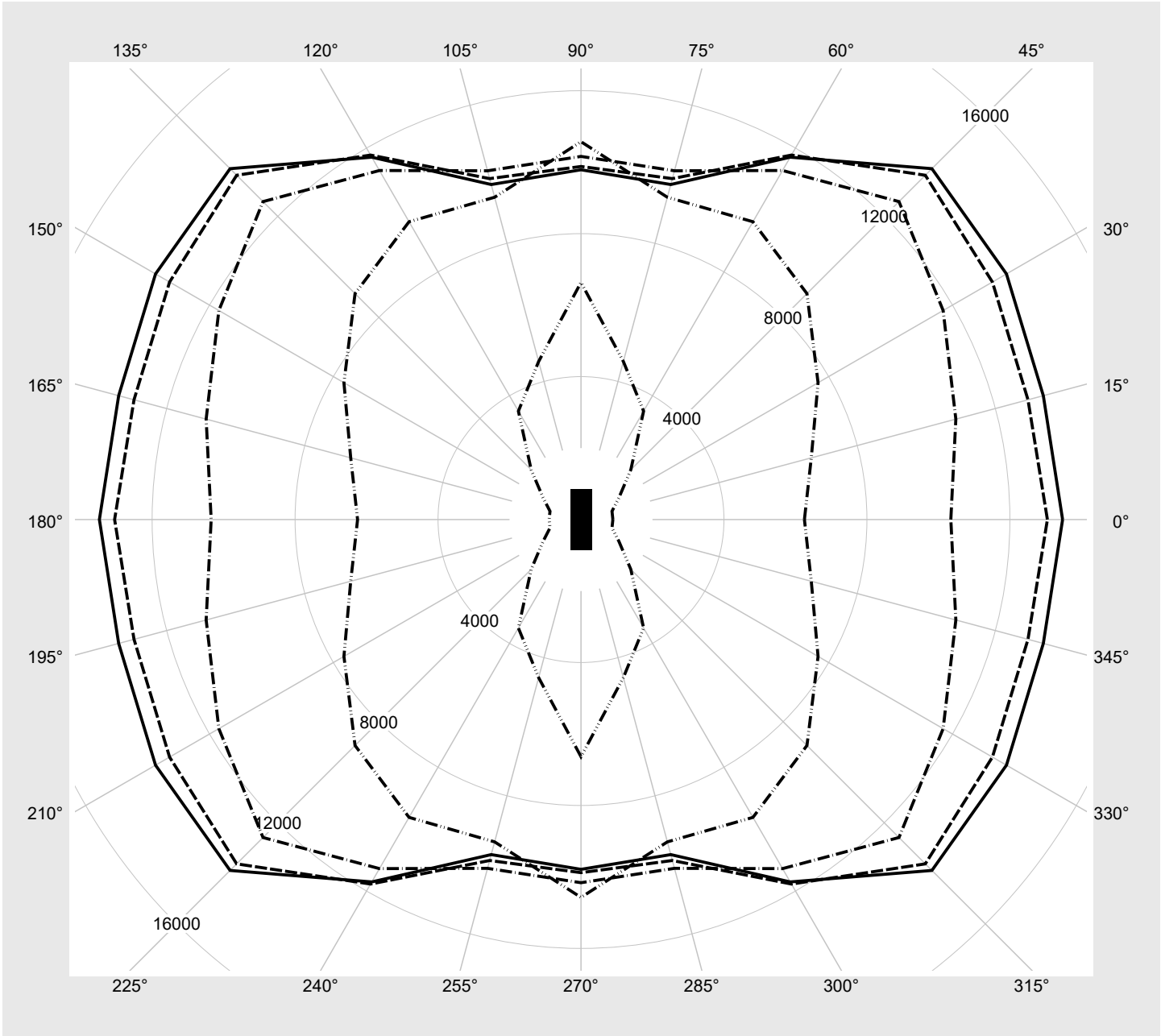
Lichttechnische Abmessungen in mm: L = 900, B = 320

C-Ebenen	γ	Leuchtdichte in cd/m ²						
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
45°		9816.1	9720.7	10714.4	12136.0	11974.1	11353.4	11086.8
50°		10844.5	11000.6	12108.9	12830.7	10694.7	8690.1	8523.3
55°		12150.4	12374.1	13296.3	12686.9	10572.4	8754.9	8802.2
60°		13156.1	13218.1	13644.0	13360.7	11271.7	9240.6	9281.4
65°		13475.1	13392.2	13746.0	13885.3	11708.1	9705.7	9787.5
70°		13049.8	12947.8	13292.4	13624.7	11776.4	9876.5	9879.9
75°		10347.8	10857.9	11700.3	12582.4	11278.1	10103.5	10161.5
80°		6251.3	6670.7	7659.2	8940.9	9622.5	9337.1	10573.1
85°		891.8	897.7	1226.5	1971.4	3503.6	4579.2	6635.7

Lichttechnischer Prüfbefund

Familie Highbay 11	Bestell-Nr.: 51HLA1D34SCA EAN: 4058352322949	LP-Nummer 58918_5
------------------------------	---	-----------------------------

Leuchtdichten in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85° **siteco**



Lichttechnischer Prüfbefund

Familie Highbay 11	Bestell-Nr.: 51HLA1D34SCA EAN: 4058352322949	LP-Nummer 58918_5
------------------------------	---	-----------------------------

Dimmstufen-Tabelle	Umgebungstemperatur: 25°C	sITeco
---------------------------	---------------------------	---------------

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W]
100	254	254	48560	284.4
95	240	252	46132	269.1
90	227	250	43704	253.8
85	213	248	41276	238.4
80	200	245	38848	223.3
75	187	243	36420	209.0
70	174	240	33992	194.4
65	161	237	31564	180.2
60	148	234	29136	166.3
55	135	231	26708	152.2
50	123	227	24280	138.5
45	110	224	21852	124.8
40	98	219	19424	111.5
35	85	214	16996	98.3
30	73	209	14568	85.3
25	61	202	12140	72.7
20	49	194	9712	59.8
15	37	184	7284	47.3
10	25	170	4855	34.6