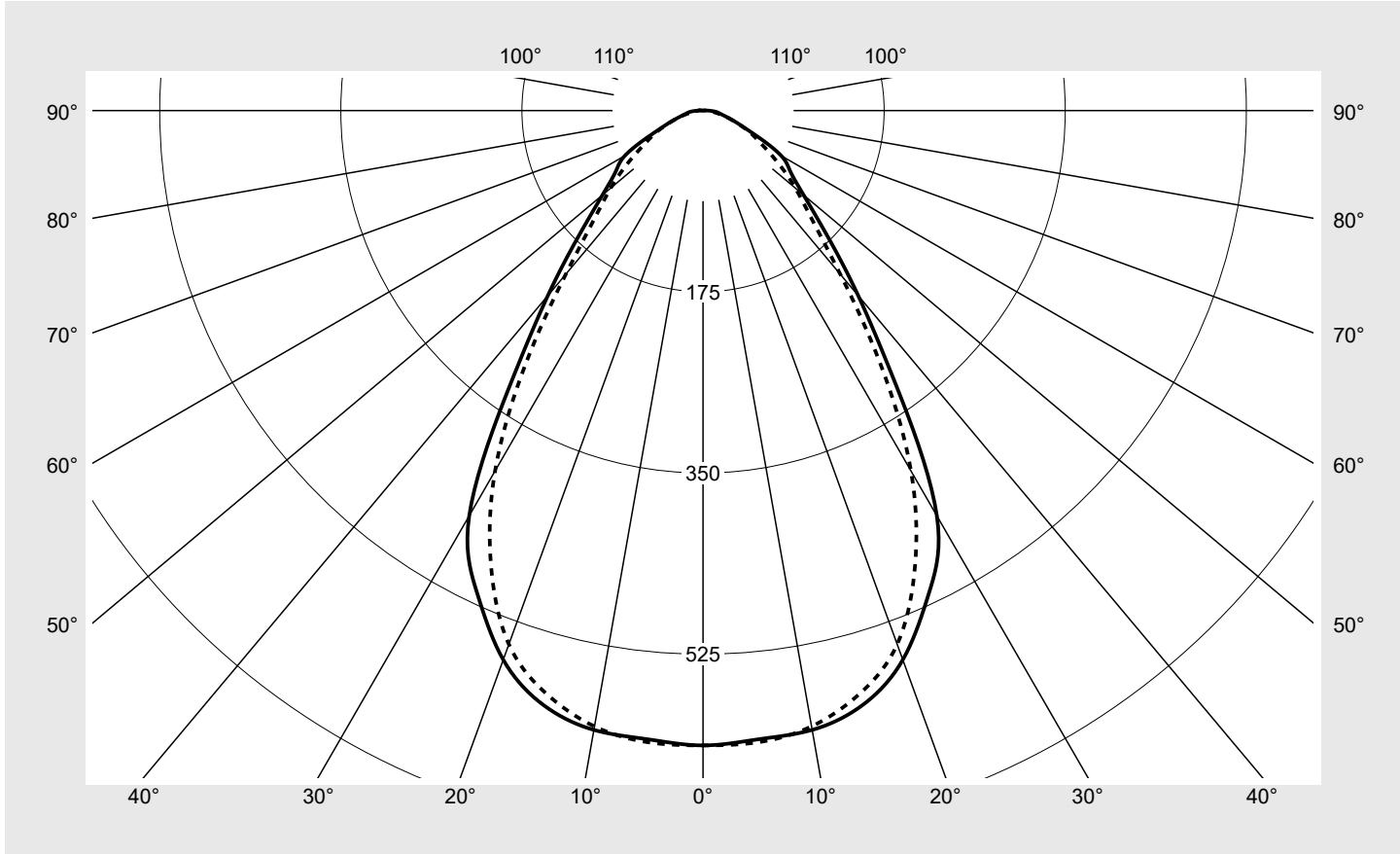


Lichttechnischer Prüfbefund

Familie Highbay 11	Bestell-Nr.: 51HLA2D14GLA + 59HL91004 EAN: 4058352361467 + 4058352341674	LP-Nummer 58927_12
Ausführung	breit strahlend, UGR≤25, Prismenabdeckung, PC, LLD	Seriendokumentation 31.03.2020
Bestückung	LED 4000 K CRI ≥ 80	
Betriebsgerät	EVG-DALI	
Bemessungswerte	Nettolichtstrom = 15090 lm Systemleistung = 94.8 W Lichtausbeute = 159.2 lm/W	

siteco

Lichtstärke in cd/klm C180-0 C270-90 **Imax: 613 cd/klm**



Klassifizierungen	
DIN 5040	A 5 1
CIE	N1=71 N2=92 N3=98 N4=99 N5=100

Leuchtenbetriebswirkungsgrade	
η_{LB}	100,0%
ϕ_u	99,2%
ϕ_o	0,8%

Messbedingungen
DIN EN 13032 und DIN 5032

Lichttechnischer Prüfbefund

Familie Highbay 11	Bestell-Nr.: 51HLA2D14GLA + 59HL91004 EAN: 4058352361467 + 4058352341674	LP-Nummer 58927_12
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°	613.1	613.1	613.1	613.1	613.1	613.1	613.1	3.7	3.7
5°	609.6	611.1	612.7	613.1	612.4	613.5	612.4	29.3	32.9
10°	607.4	608.6	610.2	610.3	606.5	606.0	604.0	57.9	90.8
15°	594.6	597.6	602.3	599.6	593.1	586.2	583.4	84.4	175.1
20°	564.4	569.0	575.3	578.9	566.2	554.6	548.6	106.3	281.4
25°	515.6	519.2	532.1	539.9	522.8	495.8	484.8	120.1	401.5
30°	451.9	458.6	489.1	475.0	449.8	415.9	401.9	124.0	525.5
35°	327.1	344.0	384.2	395.7	355.4	317.3	299.0	110.5	636.0
40°	233.3	244.0	283.0	307.1	269.8	223.2	206.3	90.8	726.9
45°	168.2	173.3	198.5	225.5	193.2	156.5	149.2	71.4	798.3
50°	126.9	129.4	133.3	144.3	131.1	119.6	116.5	54.5	852.8
55°	103.2	99.6	94.5	87.8	94.2	91.0	89.0	42.1	895.0
60°	87.2	78.0	70.2	56.0	68.9	67.5	66.1	33.0	928.0
65°	55.4	55.0	48.9	35.9	50.1	50.3	50.2	24.3	952.2
70°	35.3	34.3	31.3	21.7	32.3	34.6	34.5	16.2	968.5
75°	23.4	22.4	19.9	14.1	19.6	21.8	22.9	10.7	979.2
80°	16.6	15.4	13.9	10.7	12.1	12.4	12.8	7.1	986.3
85°	12.0	10.4	9.7	7.3	6.9	6.7	7.4	4.6	990.9
90°	4.7	4.3	4.8	4.8	4.6	4.2	4.5	2.5	993.4
95°	2.6	2.7	3.5	3.9	3.7	3.3	3.9	1.8	995.3
100°	1.7	1.8	2.2	2.7	2.5	2.3	2.8	1.2	996.5
105°	1.5	1.3	1.3	1.5	1.7	1.9	2.3	0.8	997.3
110°	1.2	1.1	0.9	0.8	1.2	1.2	2.0	0.6	997.9
115°	1.1	1.0	0.8	0.7	1.1	1.0	1.8	0.5	998.4
120°	0.9	0.8	0.7	0.6	0.9	1.0	1.5	0.4	998.8
125°	0.8	0.7	0.6	0.6	0.8	1.0	1.3	0.3	999.2
130°	0.9	0.8	0.8	0.8	0.8	1.0	1.2	0.4	999.6
135°	1.1	1.1	1.1	1.1	1.1	1.1	1.2	0.4	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.: 51HLA2D14GLA + 59HL91004 EAN: 4058352361467 + 4058352341674	LP-Nummer 58927_12
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UGR-Tabelle		Standardraum									
Raumabmessungen		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
x	y										
2H	2H	22,6	24,1	23,0	24,4	24,7	22,1	23,5	22,4	23,8	24,1
	3H	23,2	24,5	23,6	24,8	25,2	22,7	24,0	23,1	24,3	24,7
	4H	23,4	24,6	23,8	25,0	25,3	22,9	24,1	23,3	24,5	24,8
	6H	23,6	24,7	24,0	25,1	25,5	23,1	24,2	23,5	24,5	24,9
	8H	23,8	24,7	24,2	25,1	25,5	23,2	24,2	23,6	24,5	24,9
	12H	23,9	24,8	24,3	25,2	25,6	23,2	24,1	23,6	24,5	24,9
4H	2H	22,8	24,0	23,2	24,3	24,7	22,3	23,4	22,7	23,8	24,2
	3H	23,5	24,5	23,9	24,8	25,3	23,0	24,0	23,5	24,4	24,8
	4H	23,7	24,6	24,2	25,0	25,5	23,3	24,2	23,8	24,6	25,1
	6H	24,0	24,8	24,5	25,2	25,7	23,5	24,3	24,0	24,7	25,2
	8H	24,2	24,9	24,6	25,3	25,8	23,6	24,3	24,1	24,7	25,2
	12H	24,4	25,0	24,9	25,4	25,9	23,7	24,3	24,2	24,8	25,2
8H	4H	23,7	24,4	24,2	24,9	25,4	23,4	24,0	23,8	24,5	25,0
	6H	24,1	24,7	24,6	25,1	25,6	23,6	24,2	24,1	24,7	25,2
	8H	24,3	24,8	24,8	25,3	25,8	23,7	24,2	24,2	24,7	25,2
	12H	24,6	25,0	25,1	25,5	26,0	23,8	24,3	24,4	24,8	25,3
12H	4H	23,8	24,4	24,2	24,8	25,3	23,4	24,0	23,9	24,4	24,9
	6H	24,1	24,6	24,6	25,1	25,6	23,7	24,1	24,2	24,6	25,1
	8H	24,3	24,7	24,9	25,3	25,8	23,8	24,2	24,3	24,7	25,2

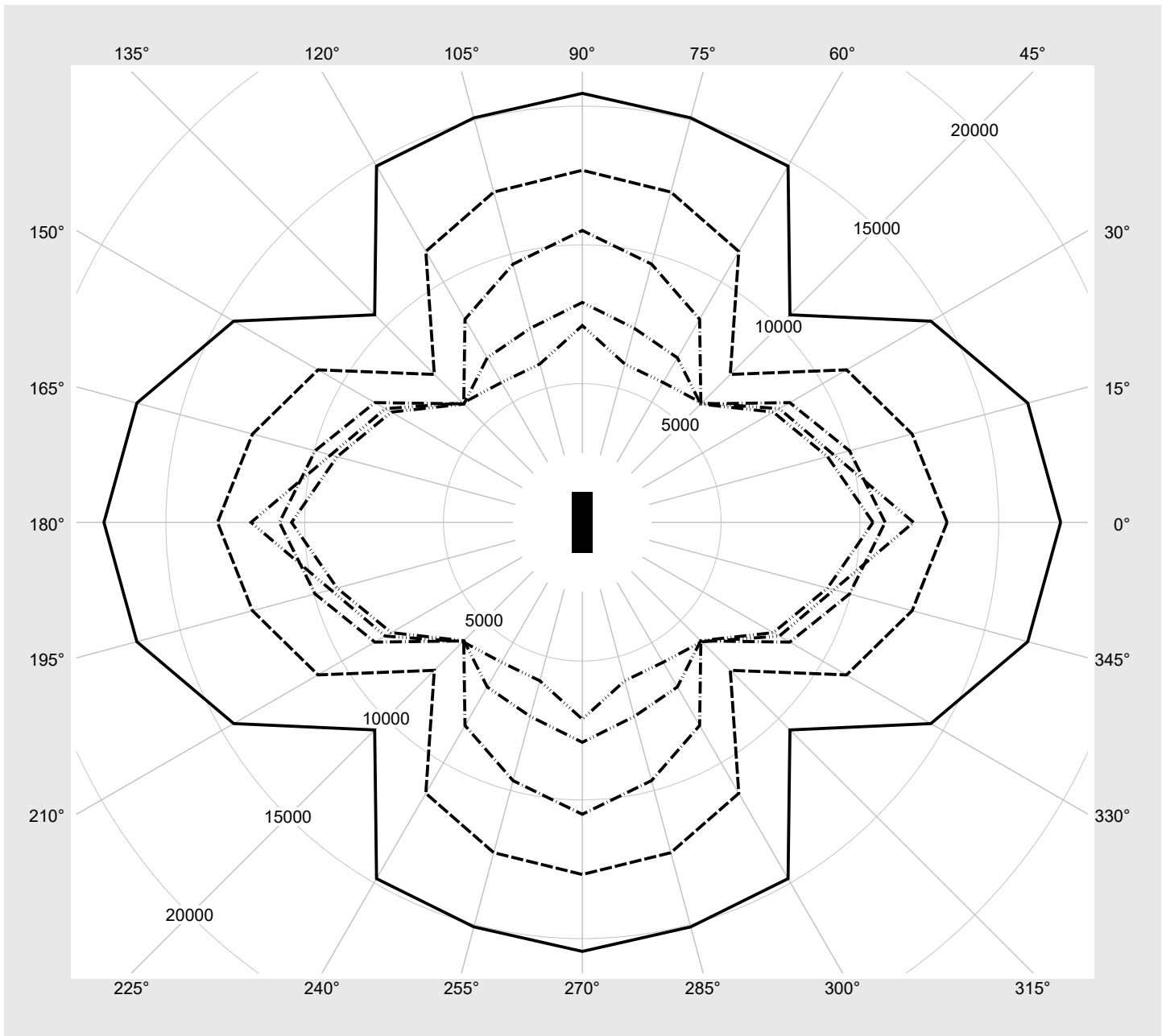
Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$	Lichttechnische Abmessungen in mm: L = 306, B = 330	H(C0) = 21, H(C90) = 21	H(C180) = 21, H(C270) = 21
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C-Ebenen	γ	Leuchtdichte in cd/m ²							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		33416.3	33935.8	38504.6	43576.9	37424.6	30551.6	29506.5	
50°		27420.4	27480.3	27995.6	30192.8	27497.0	25307.5	25036.1	
55°		24650.1	23301.0	21821.3	20185.5	21702.9	21195.1	21108.4	
60°		23479.3	20509.4	18166.4	14397.9	17779.5	17650.3	17645.9	
65°		17232.8	16613.3	14501.3	10578.4	14825.6	15090.9	15460.6	
70°		13142.5	12301.5	10993.4	7539.8	11274.9	12322.9	12688.7	
75°		10910.2	9967.4	8630.3	6040.2	8452.5	9636.0	10519.5	
80°		10473.6	9145.8	7947.0	6031.4	6849.3	7240.1	7926.1	
85°		11934.0	9384.5	8195.9	6084.3	5821.8	5909.6	7092.1	

Lichttechnischer Prüfbefund

Familie Highbay 11	Bestell-Nr.: 51HLA2D14GLA + 59HL91004 EAN: 4058352361467 + 4058352341674	LP-Nummer 58927_12
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Leuchtdichten in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85° **siteco**



Lichttechnischer Prüfbefund

Familie Highbay 11	Bestell-Nr.: 51HLA2D14GLA + 59HL91004 EAN: 4058352361467 + 4058352341674	LP-Nummer 58927_12
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Dimmstufen-Tabelle	Umgebungstemperatur: 25°C	sITeco
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Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W]
100	254	254	15090	94.8
95	240	252	14316	89.5
90	227	250	13588	84.6
85	213	247	12800	79.2
80	200	245	12060	74.2
75	187	243	11313	69.5
70	174	240	10561	64.7
65	161	237	9801	59.9
60	148	234	9037	55.2
55	136	231	8322	50.7
50	123	228	7544	46.0
45	110	224	6760	41.4
40	98	220	6031	37.1
35	86	215	5296	32.8
30	74	210	4554	28.6
25	61	204	3746	24.1
20	49	197	2994	19.8
15	37	188	2237	15.6
10	26	177	1535	11.7
5	14	161	766	7.4