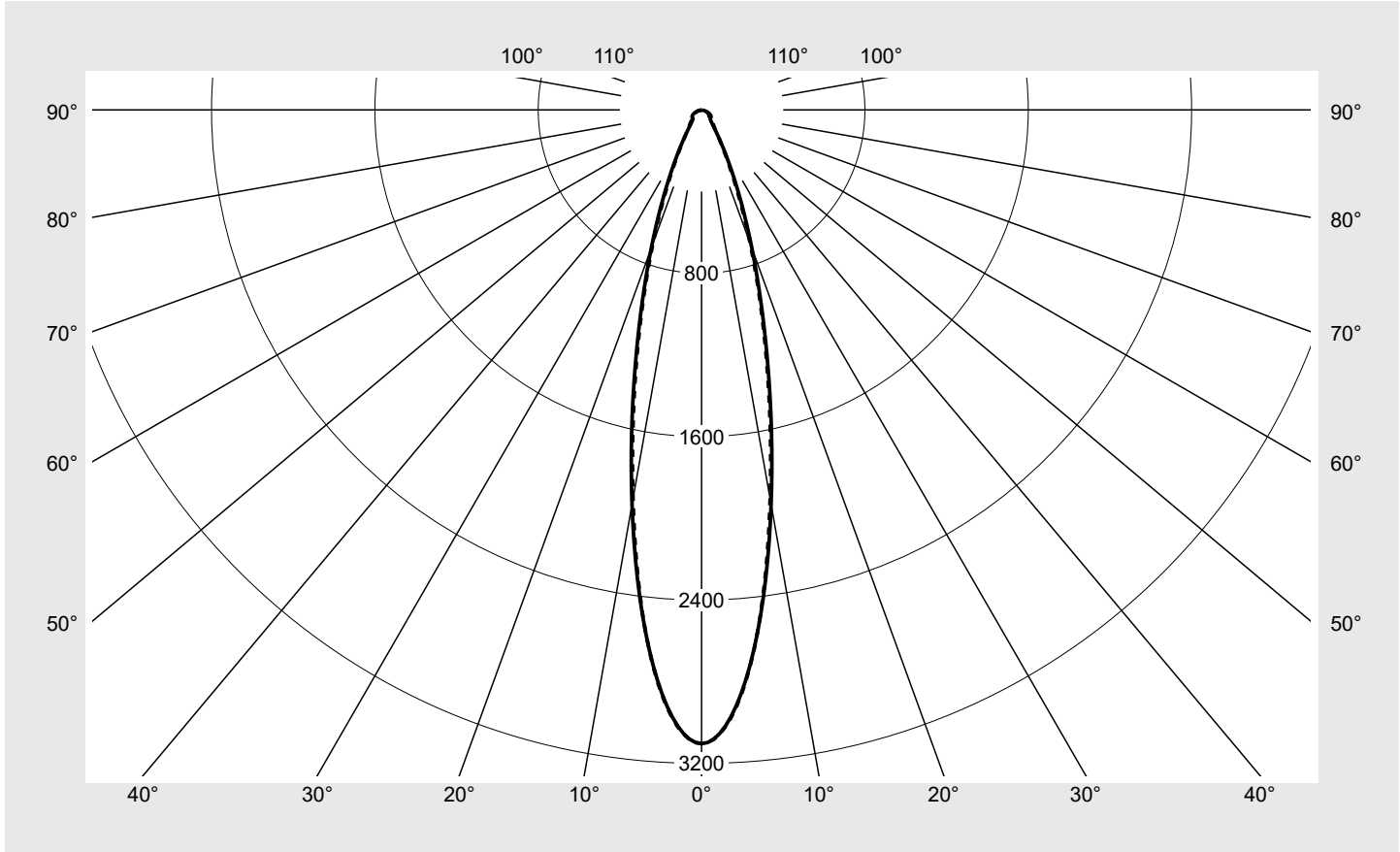


### Lichttechnischer Prüfbefund

<b>Familie</b> Highbay 11	<b>Bestell-Nr.:</b> 51HLA1D14GLA + 59HL91002 <b>EAN:</b> 4058352361429 + 4058352341650	<b>LP-Nummer</b> 58920_22
<b>Ausführung</b>	eng strahlend, UGR≤22, Abdeckscheibe, PC	<b>Seriendokumentation</b> 31.03.2020
<b>Bestückung</b>	LED 4000 K   CRI ≥ 80	
<b>Betriebsgerät</b>	EVG-DALI	
<b>Bemessungswerte</b>	Nettolichtstrom = 14730 lm Systemleistung = 94.8 W Lichtausbeute = 155.4 lm/W	



Lichtstärke in cd/klm C180-0 C270-90 Imax: 3103 cd/klm



Klassifizierungen	
DIN 5040	A 7 0
CIE	N1=85 N2=94 N3=99 N4=100 N5=100

Leuchtenbetriebswirkungsgrade	
$\eta_{LB}$	100,0%
$\phi_u$	100,0%
$\phi_o$	0,0%

Messbedingungen
DIN EN 13032 und DIN 5032

## Lichttechnischer Prüfbefund

<b>Familie</b> Highbay 11	<b>Bestell-Nr.: 51HLA1D14GLA + 59HL91002</b> <b>EAN: 4058352361429 + 4058352341650</b>	<b>LP-Nummer</b> 58920_22
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<b>Wertetabelle Lichtstärkemessung</b>	<b>Maximale Lichtstärke</b>	<b>siteco</b>
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C- Ebenen	0° 180°	15°	30°	45°	60°	75°	90° 270°	Phi-Zone	Summe	
		165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°			Phi-Zone	Phi-Zone
γ		Lichtstärke in cd/klm						Lichtstrom in lm/klm		
0°	3103.3	3103.3	3103.3	3103.3	3103.3	3103.3	3103.3	18.6	18.6	
5°	2728.1	2725.7	2734.5	2735.8	2731.2	2739.6	2732.7	130.6	149.1	
10°	1961.3	1955.1	1962.7	1959.8	1944.6	1940.4	1933.3	185.8	334.9	
15°	1234.5	1231.5	1237.4	1233.6	1223.5	1217.2	1209.8	174.2	509.0	
20°	720.2	721.2	730.7	731.8	720.5	706.3	696.1	134.9	644.0	
25°	391.5	395.5	407.7	412.0	396.6	377.5	368.6	91.5	735.4	
30°	203.6	206.8	216.0	219.0	212.4	200.7	194.3	57.3	792.7	
35°	109.3	109.5	113.4	118.8	120.5	117.6	115.6	36.3	829.0	
40°	71.8	72.6	76.4	83.5	87.0	87.1	87.3	28.5	857.5	
45°	59.8	60.1	64.9	71.1	68.6	64.2	62.9	25.2	882.8	
50°	58.8	60.0	64.4	66.4	57.1	49.4	48.5	24.6	907.3	
55°	56.5	57.6	60.7	58.9	51.3	43.9	43.6	24.1	931.5	
60°	50.4	50.7	52.1	52.2	45.2	38.5	38.0	22.4	953.8	
65°	40.7	40.4	41.4	42.5	37.1	32.0	31.7	19.0	972.8	
70°	28.4	28.2	29.2	30.2	27.5	24.4	24.3	14.2	987.1	
75°	15.1	15.6	16.5	18.0	16.8	16.4	16.8	8.8	995.8	
80°	5.3	5.6	6.2	6.9	7.4	7.5	9.1	3.7	999.5	
85°	0.5	0.5	0.6	0.8	1.1	1.3	1.8	0.5	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

<b>Familie</b> Highbay 11	<b>Bestell-Nr.: 51HLA1D14GLA + 59HL91002</b> <b>EAN: 4058352361429 + 4058352341650</b>	<b>LP-Nummer</b> 58920_22
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**siteco**

UGR-Tabelle		Standardraum									
Raumabmessungen		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
x	y										
2H	2H	18,8	20,0	19,2	20,3	20,6	17,8	18,9	18,1	19,2	19,6
	3H	20,3	21,3	20,7	21,6	22,0	19,1	20,2	19,5	20,5	20,9
	4H	20,6	21,6	21,0	21,9	22,3	19,7	20,6	20,1	21,0	21,4
	6H	20,7	21,6	21,2	22,0	22,3	20,0	20,9	20,4	21,2	21,6
	8H	20,8	21,5	21,2	21,9	22,3	20,2	20,9	20,6	21,3	21,7
	12H	20,8	21,4	21,2	21,8	22,2	20,2	20,8	20,6	21,2	21,6
4H	2H	19,5	20,5	19,9	20,8	21,2	18,8	19,7	19,2	20,1	20,5
	3H	21,1	21,9	21,5	22,3	22,7	20,2	21,0	20,7	21,4	21,8
	4H	21,5	22,2	21,9	22,6	23,1	20,8	21,5	21,3	21,9	22,4
	6H	21,6	22,2	22,1	22,7	23,1	21,1	21,7	21,6	22,2	22,7
	8H	21,6	22,1	22,1	22,6	23,1	21,2	21,7	21,7	22,2	22,7
	12H	21,6	22,0	22,1	22,5	23,0	21,2	21,7	21,7	22,1	22,6
8H	4H	21,7	22,2	22,1	22,6	23,1	21,1	21,6	21,5	22,0	22,5
	6H	21,8	22,2	22,3	22,7	23,2	21,4	21,9	21,9	22,3	22,8
	8H	21,8	22,2	22,3	22,7	23,2	21,5	21,9	22,0	22,4	22,9
	12H	21,7	22,1	22,3	22,6	23,1	21,5	21,8	22,0	22,3	22,9
12H	4H	21,7	22,1	22,1	22,6	23,1	21,0	21,5	21,5	21,9	22,4
	6H	21,8	22,2	22,3	22,6	23,2	21,4	21,8	21,9	22,3	22,8
	8H	21,8	22,1	22,3	22,6	23,1	21,5	21,8	22,0	22,3	22,8

<b>Leuchtdichten-Tabelle</b> Max. für $\gamma \geq 65^\circ$	<b>Lichttechnische Abmessungen in mm:</b> L = 295 B = 312
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C-Ebenen	$\gamma$	Leuchtdichte in cd/m <sup>2</sup>							
		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°		13534.3	13612.8	14685.6	16088.6	15523.3	14539.2	14229.1	
50°		14633.9	14933.6	16023.9	16537.0	14225.5	12311.1	12071.4	
55°		15761.5	16059.5	16945.4	16441.8	14300.3	12250.4	12172.5	
60°		16115.9	16241.1	16688.9	16698.5	14473.9	12318.5	12159.5	
65°		15395.8	15312.1	15693.1	16093.3	14042.8	12111.9	11994.8	
70°		13307.7	13204.8	13647.9	14129.4	12844.5	11430.4	11392.5	
75°		9319.7	9619.0	10226.8	11131.4	10408.0	10143.9	10408.0	
80°		4926.1	5131.6	5705.8	6329.7	6827.4	6887.3	8346.3	
85°		844.7	848.3	1039.3	1428.6	2045.6	2467.9	3354.8	

**Lichttechnischer Prüfbefund**

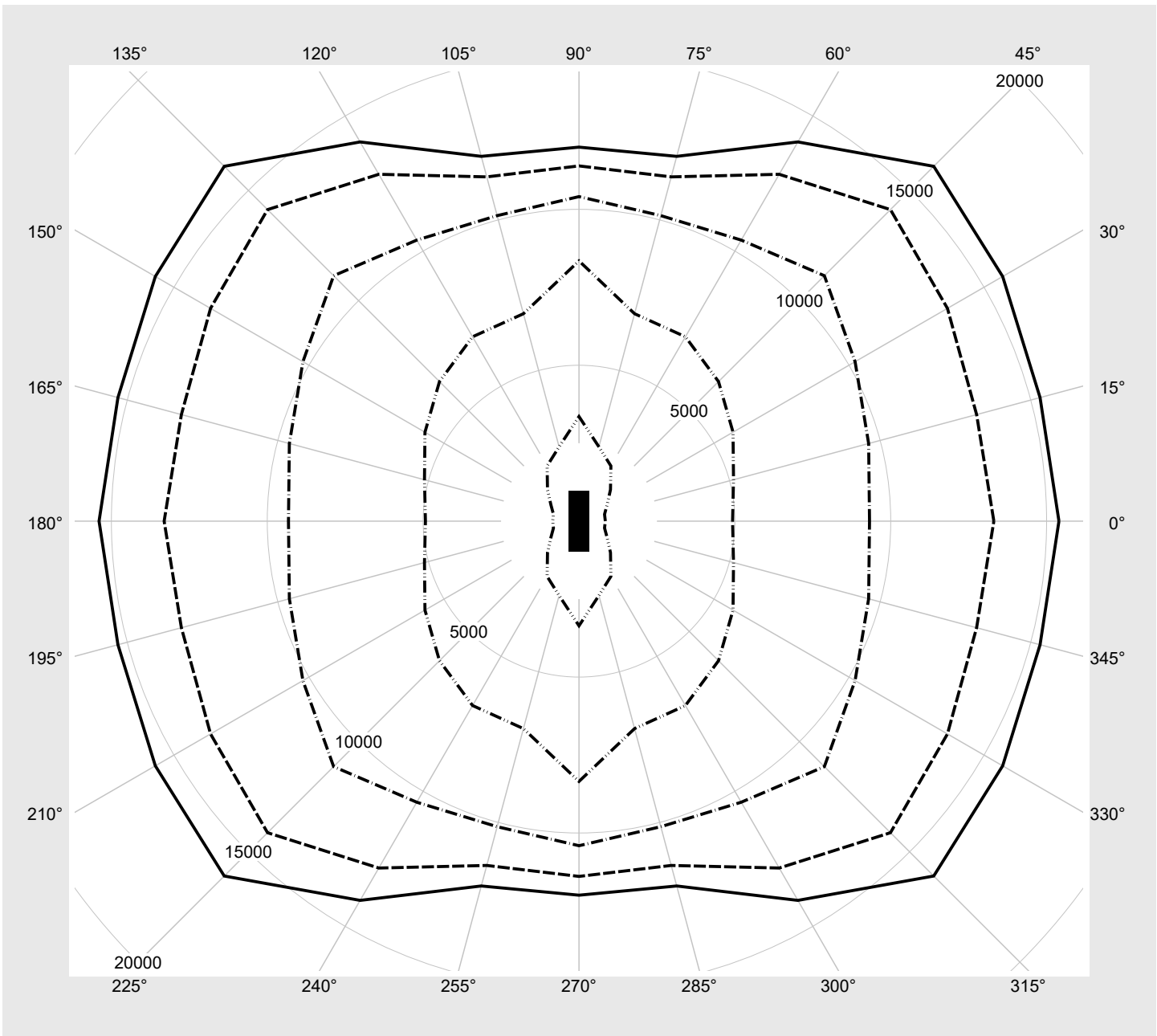
**Familie**  
Highbay 11

**Bestell-Nr.:** 51HLA1D14GLA + 59HL91002  
**EAN:** 4058352361429 + 4058352341650

**LP-Nummer**  
58920\_22

**Leuchtdichten in cd/m<sup>2</sup>**

γ 65°
γ 70°
γ 75°
γ 80°
γ 85°



## Lichttechnischer Prüfbefund

<b>Familie</b> Highbay 11	<b>Bestell-Nr.: 51HLA1D14GLA + 59HL91002</b> <b>EAN: 4058352361429 + 4058352341650</b>	<b>LP-Nummer</b> 58920_22
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<b>Dimmstufen-Tabelle</b>	Umgebungstemperatur: 25°C	<b>sITeco</b>
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Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W]
100	254	254	14730	94.8
95	240	252	13974	89.5
90	227	250	13264	84.6
85	213	247	12495	79.2
80	200	245	11773	74.2
75	187	243	11043	69.5
70	174	240	10309	64.7
65	161	237	9567	59.9
60	148	234	8822	55.2
55	136	231	8123	50.7
50	123	228	7364	46.0
45	110	224	6599	41.4
40	98	220	5887	37.1
35	86	215	5169	32.8
30	74	210	4445	28.6
25	61	204	3656	24.1
20	49	197	2923	19.8
15	37	188	2183	15.6
10	26	177	1498	11.7
5	14	161	748	7.4