



Specification

Product: COB LENS

MODEL: ADCOB4322D24G

DATE: 2013-8-16

ASAHI OPTICS LIMITED

2/F SHALING BUILDING, SHAJING, BAO'AN SHENZHEN' CHINA
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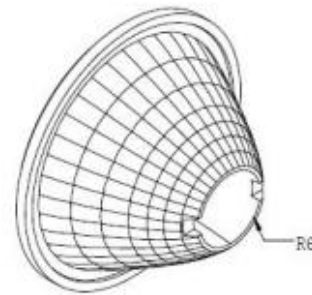
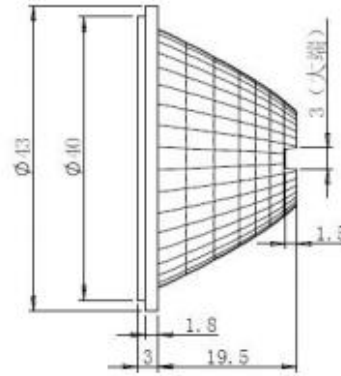
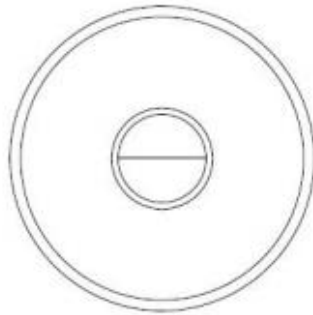
Prepared by	Checked by	Approved by
T.C.SUN	H.J.HU	Z.Y.LIU



Index

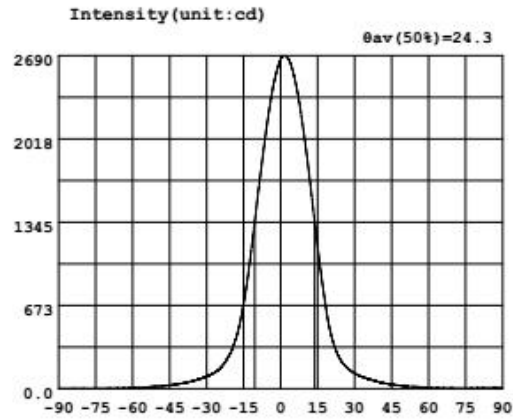
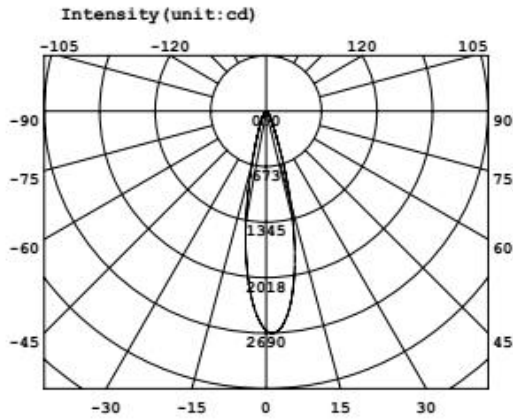
1. Cover
2. Index
3. Product description
4. Drawing
5. Test report
6. Material certificate

Part Number	ADCOB4322D24G												
Picture													
Dimension	43.0*22.2mm												
LED Type	<table border="0"> <tr> <td>CREE LED Solution Provider</td> <td>CXA1304/1512</td> </tr> <tr> <td>CITIZEN Optical Components</td> <td>CCL010/020</td> </tr> <tr> <td>PHILIPS LUMILEDS</td> <td>LHC1-1202/3</td> </tr> <tr> <td>bridgelux</td> <td>VERO13/10</td> </tr> <tr> <td>LUMINUS</td> <td>CXM6/7</td> </tr> <tr> <td>NICHIA</td> <td>036A/066A</td> </tr> </table>	CREE LED Solution Provider	CXA1304/1512	CITIZEN Optical Components	CCL010/020	PHILIPS LUMILEDS	LHC1-1202/3	bridgelux	VERO13/10	LUMINUS	CXM6/7	NICHIA	036A/066A
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bridgelux	VERO13/10												
LUMINUS	CXM6/7												
NICHIA	036A/066A												
Beam Angle	24°												
Efficiency	90%												
Material	PMMA												





GO1900L GONIOPHOTOMETER Test Report Page 1 Of 2



Intensity data: (deg , cd) C0-180

A	I	A	I	A	I	A	I	A	I	A	I
-90.0	2.822	-58.0	9.833	-26.0	140.4	6.0	2479	38.0	65.19	70.0	5.429
-88.0	3.009	-56.0	11.46	-24.0	176.2	8.0	2259	40.0	54.06	72.0	4.935
-86.0	3.154	-54.0	13.54	-22.0	230.5	10.0	1981	42.0	44.91	74.0	5.017
-84.0	3.402	-52.0	17.72	-20.0	301.0	12.0	1660	44.0	37.96	76.0	5.324
-82.0	3.857	-50.0	20.07	-18.0	412.0	14.0	1317	46.0	32.20	78.0	5.953
-80.0	3.490	-48.0	21.83	-16.0	577.1	16.0	988.0	48.0	27.00	80.0	6.934
-78.0	3.154	-46.0	25.74	-14.0	806.9	18.0	706.5	50.0	22.30	82.0	7.994
-76.0	3.318	-44.0	30.99	-12.0	1099	20.0	476.3	52.0	19.04	84.0	9.018
-74.0	3.649	-42.0	36.80	-10.0	1430	22.0	334.8	54.0	18.18	86.0	8.616
-72.0	4.041	-40.0	43.48	-8.0	1758	24.0	244.2	56.0	15.19	88.0	6.798
-70.0	4.394	-38.0	51.11	-6.0	2065	26.0	188.9	58.0	11.62	90.0	5.351
-68.0	4.951	-36.0	60.62	-4.0	2331	28.0	152.2	60.0	9.820		
-66.0	5.777	-34.0	72.02	-2.0	2532	30.0	124.5	62.0	8.661		
-64.0	6.646	-32.0	84.64	0.0	2659	32.0	104.6	64.0	7.825		
-62.0	7.620	-30.0	99.09	2.0	2688	34.0	90.29	66.0	6.925		
-60.0	8.634	-28.0	117.3	4.0	2627	36.0	76.92	68.0	6.121		

Electricity Parameter:

Current I: 0.6800A Power: 0.0W
Voltage V: 36.00V PF: 0.000

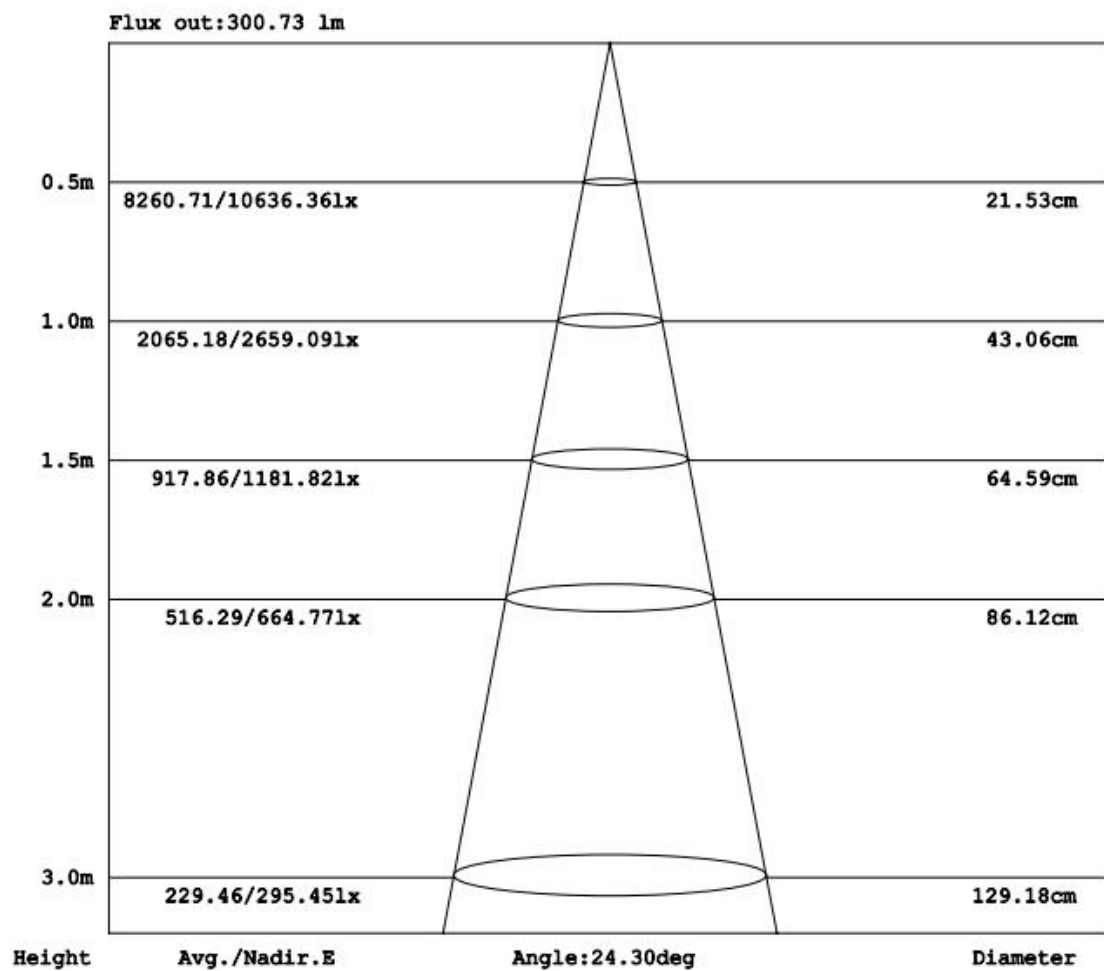
Optical Parameter (Distance=3.000m) :

Equivalent Luminous flux: $\Phi_{eff} = 653.1lm$ Efficiency: $Eff=0.001lm/W$
Diffuse angle: @ (25%): 33.3deg @ (50%): 24.3deg @ (75%): 16.0deg @ (50%): 24.3deg
Diffuse angle: @ (25%): 33.4deg @ (50%): 24.4deg @ (75%): 16.3deg @ (50%): 24.4deg
 $I_{max}=2688cd$ (C=0.0deg,G=2.0deg) C0-180Plane $I_{max}= 2688cd$ (G=2.0deg)
C0-180Plane $I_0= 2659cd$

Lamp Type: COB LENS
Tester:ASAHI
Temperature:25.3deg
Manufacturer: ASAHI

Luminaires Type:CREE CXA1512
Test Date:2013-08-16
Humidity:65%
Remarks:AKCOB4322D24G

Average Illuminance Figure





15-9-30

UL Certification

iq.ul.com

Component - Plastics [guide info]

E256044

MITSUBISHI RAYON POLYMER NANTONG CO LTD

NANTONG ECONOMIC & TECH DEV AREA, 6 GUANGZHOU RD, NANTONG JIANGSU 226009 CN

VH(ww)(f1), VH(f1), VHM(f1), VHS(f1)

Polymethyl Methacrylate (PMMA), "Shinkolite-P, Acrypet", furnished as pellets

Color	Min Thk (mm)	Flame Class	HWI		RTI		RTI Str
			HWI	HAI	Elec	Imp	
ALL	1.5	HB	4	0	50	50	50
	3.0	HB	3	0	50	50	50

Comparative Tracking Index (CTI): -

Inclined Plane Tracking (IPT): -

Dielectric Strength (kV/mm): -

Volume Resistivity (10^Xohm-cm): -

High-Voltage Arc Tracking Rate (HVTR): -

High Volt, Low Current Arc Resis (D495): -

Dimensional Stability (%): -

(f1) - Suitable for outdoor use with respect to exposure to Ultraviolet Light, Water Exposure and Immersion in accordance with UL 746C.

(ww) - With or without a digit 0-3,5,7-9 incl.

ANSI/UL 94 small-scale test data does not pertain to building materials, furnishings and related contents. ANSI/UL 94 small-scale test data is intended solely for determining the flammability of plastic materials used in the components and parts of end-product devices and appliances, where the acceptability of the combination is determined by UL.

Report Date: 2013-01-02

Last Revised: 2013-01-23

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IEC and ISO Test Methods

Test Name	Test Method	Units	Thk (mm)	Value
Flammability	IEC 60695-11-10	Class (color)	1.5	HB75 (ALL)
			3.0	HB40 (ALL)
Glow-Wire Flammability (GWFI)	IEC 60695-2-12	C	-	-
Glow-Wire Ignition (GWIT)	IEC 60695-2-13	C	-	-
IEC Comparative Tracking Index	IEC 60112	Volts (Max)	-	-
IEC Ball Pressure	IEC 60695-10-2	C	-	-
ISO Heat Deflection (1.80 MPa)	ISO 75-2	C	-	-
ISO Tensile Strength	ISO 527-2	MPa	-	-
ISO Flexural Strength	ISO 178	MPa	-	-
ISO Tensile Impact	ISO 8256	kJ/m ²	-	-
ISO Izod Impact	ISO 180	kJ/m ²	-	-
ISO Charpy Impact	ISO 179-2	kJ/m ²	-	-