

Specification

Product: COB LENS

MODEL: AHCOB6838D60G

DATE: 2013-8-25

ASAHI OPTICS LIMITED



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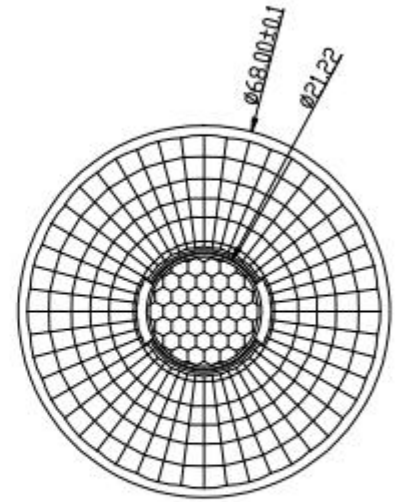
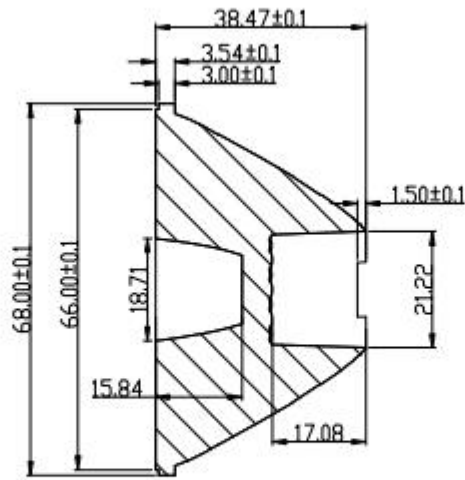
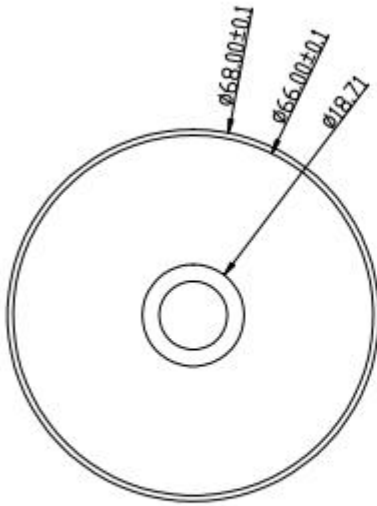
Prepared by	Checked by	Approved by
T.C.SUN	H.J.HU	Z.Y.LIU

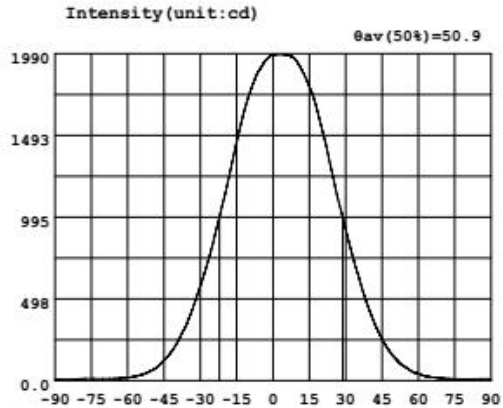
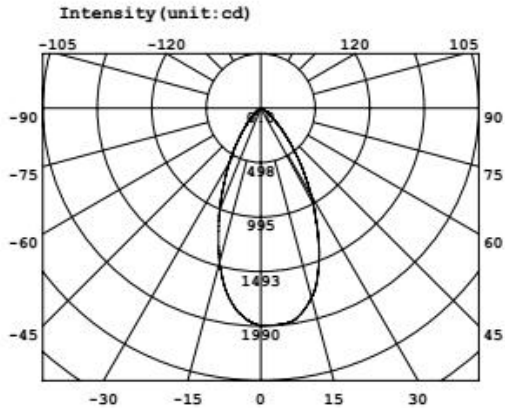


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Part Number	AHCOB6838D60G
Picture	
Dimension	68.0*38.50mm
LED Type	
Beam Angle	60°
Efficiency	90%
Material	PMMA





Intensity data:(deg , cd) C0-180

A	I	A	I	A	I	A	I	A	I	A	I
-90.0	10.29	-58.0	23.00	-26.0	768.8	6.0	1981	38.0	504.1	70.0	14.92
-88.0	9.527	-56.0	29.55	-24.0	885.0	8.0	1971	40.0	421.7	72.0	13.07
-86.0	8.883	-54.0	36.77	-22.0	1002	10.0	1939	42.0	345.8	74.0	11.57
-84.0	9.089	-52.0	48.84	-20.0	1123	12.0	1888	44.0	283.2	76.0	10.62
-82.0	9.419	-50.0	62.83	-18.0	1252	14.0	1826	46.0	227.5	78.0	10.00
-80.0	10.59	-48.0	80.77	-16.0	1387	16.0	1756	48.0	181.0	80.0	9.709
-78.0	12.47	-46.0	108.7	-14.0	1517	18.0	1660	50.0	142.9	82.0	10.02
-76.0	13.19	-44.0	138.5	-12.0	1634	20.0	1546	52.0	111.5	84.0	10.63
-74.0	12.70	-42.0	175.0	-10.0	1735	22.0	1427	54.0	88.42	86.0	11.03
-72.0	12.10	-40.0	220.4	-8.0	1815	24.0	1291	56.0	69.04	88.0	11.28
-70.0	12.34	-38.0	275.6	-6.0	1883	26.0	1158	58.0	51.40	90.0	10.57
-68.0	12.49	-36.0	331.1	-4.0	1929	28.0	1041	60.0	43.27		
-66.0	13.26	-34.0	405.3	-2.0	1965	30.0	921.6	62.0	31.26		
-64.0	14.52	-32.0	488.4	0.0	1983	32.0	806.3	64.0	24.66		
-62.0	16.30	-30.0	576.5	2.0	1984	34.0	699.2	66.0	21.03		
-60.0	19.05	-28.0	667.9	4.0	1985	36.0	600.4	68.0	17.59		

Electricity Parameter:

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

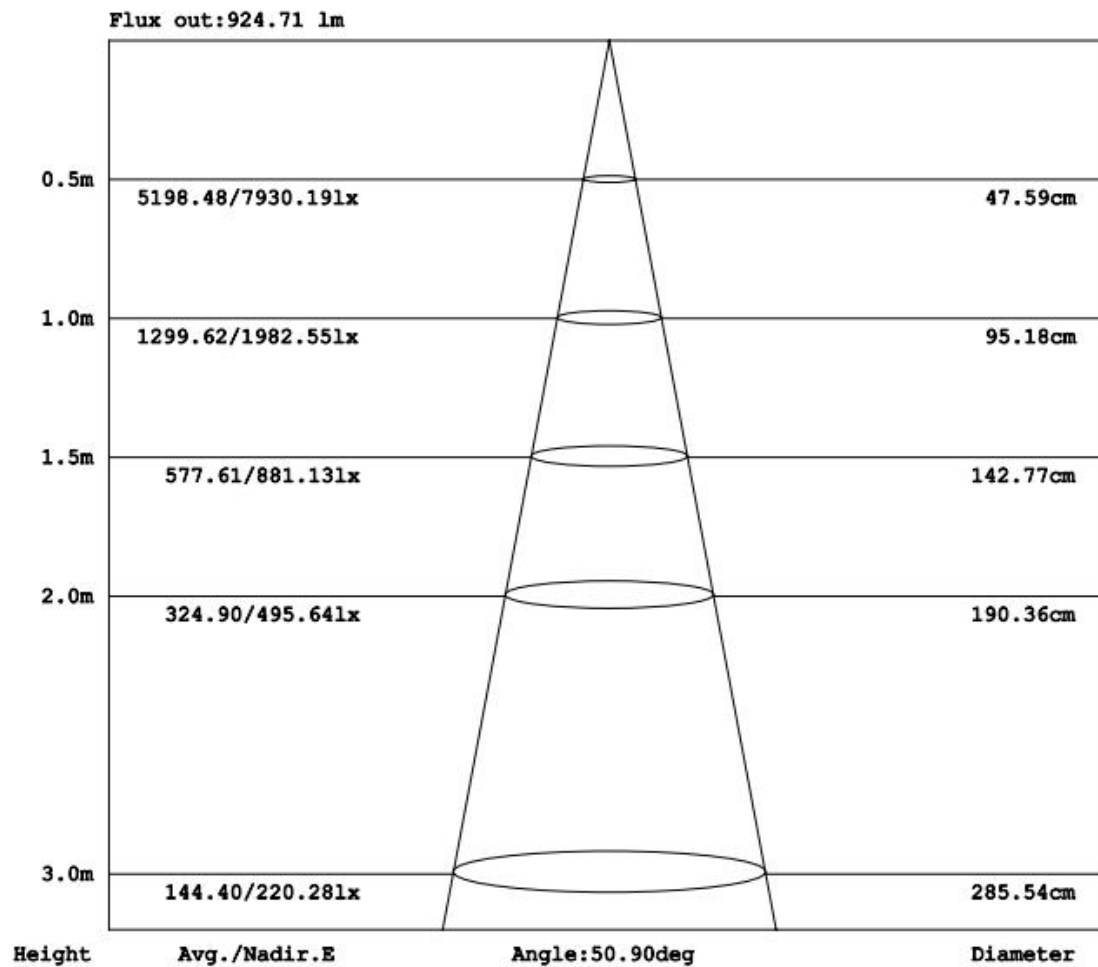
Optical Parameter (Distance=3.000m) :

Equivalent Luminous flux: $\Phi_{eff} = 1664lm$ Efficiency: $Eff=0.00lm/W$
Diffuse angle: @ (25%): 69.9deg @ (50%): 50.9deg @ (75%): 35.3deg @ (50%): 50.9deg
Diffuse angle: @ (25%): 69.9deg @ (50%): 50.9deg @ (75%): 35.3deg @ (50%): 50.9deg
Imax=1986cd (C=0.0deg,G=1.0deg) C0-180Plane Imax= 1986cd(G=1.0deg)
C0-180Plane IO= 1983cd

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

Luminaires Type: CREE CXA2530
Test Date:2013-08-17
Humidity:65%
Remarks:AHCOB6838D60G

Average Illuminance Figure



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

Luminaires Type: CREE CXA2530
 Test Date:2013-08-17
 Humidity:65%
 Remarks:AHCOB6838D60G



15-9-30

UL Certification

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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	RTI		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^X ohm-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	-	-