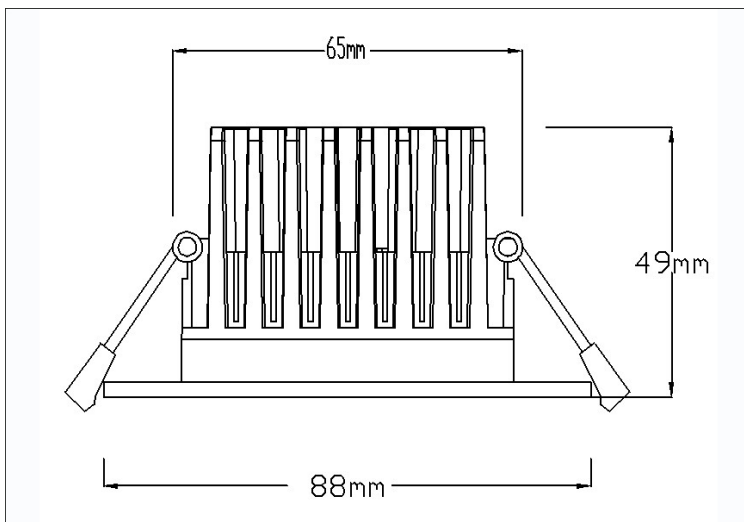


ECO 5600 Specification

Picture:



Drawing Size:



Features:

This 10W budget fitting is suitable for a range of home lighting applications where the application requires the lighting to be dimmable. Suitable for high ceilings under 3M.

Technical Data:

Item No.:	ECO 5600
LED Chip:	Epistar SMD2835 40pcs
Lamp Base:	Wire and plug
Type:	SMD LED Downlight
Weight:	300g
Dimension:	Ø90x49mm
Cutout Size:	70mm
Material:	Aluminum alloy + PC
IP Grade:	IP44(indoor use,dry enviroment)
Power(W):	10W
Power Factor:	>0.93
Input Voltage:	AC100-240V 50/60Hz
Total Lumens:	650lm
CRI:	>80Ra
Dimmable:	Option
Beam Angle:	120
Color Temperature:	Warm White(WW):2700-3200K Nature White(NW):4000-4500K Cool White(CW): 6000-6500K
Packing:	1. 50pcs/CTN 2. Gross Weight: 20kg 3. Carton Size: 58x47x25cm

Delivery Time:

Samples:	3-5 day
Regular Order:	8-15 day

Quality Guarantee:

Certificate:	CE / RoHS / SAA / C-Tick
Waranty:	3 years waranty
Aging Test:	48 working hours aging test

ECOLAMP.COM.AU

AAEC5600 Specification

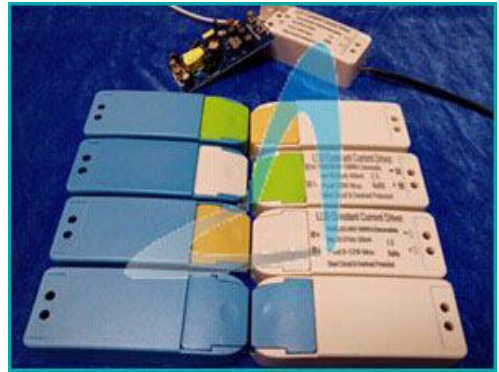
Driver:

The 10W LED Downlight including dimmable driver. The drive can be used with traditional dimmer for dimming 5%-100%. Dimming method of the driver are compatible both leading and trailing edge dimmers.

Driver PCB Board:



Driver case:

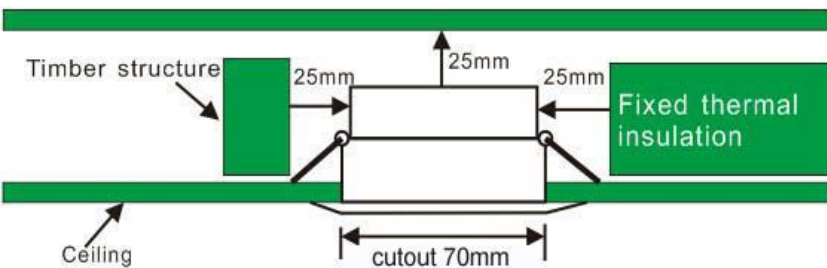


More picture:

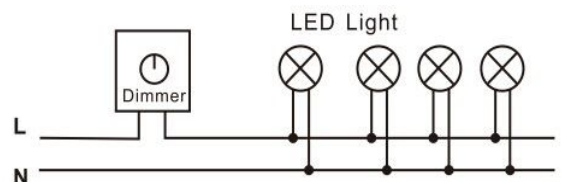


Installation Instructions:

This LED Downlight fitting is fully sealed and generates little heat, therefore this unit can be mounted with the Minimum clearance of 25mm to the structural timbers and thermal insulation that is fixed in position.



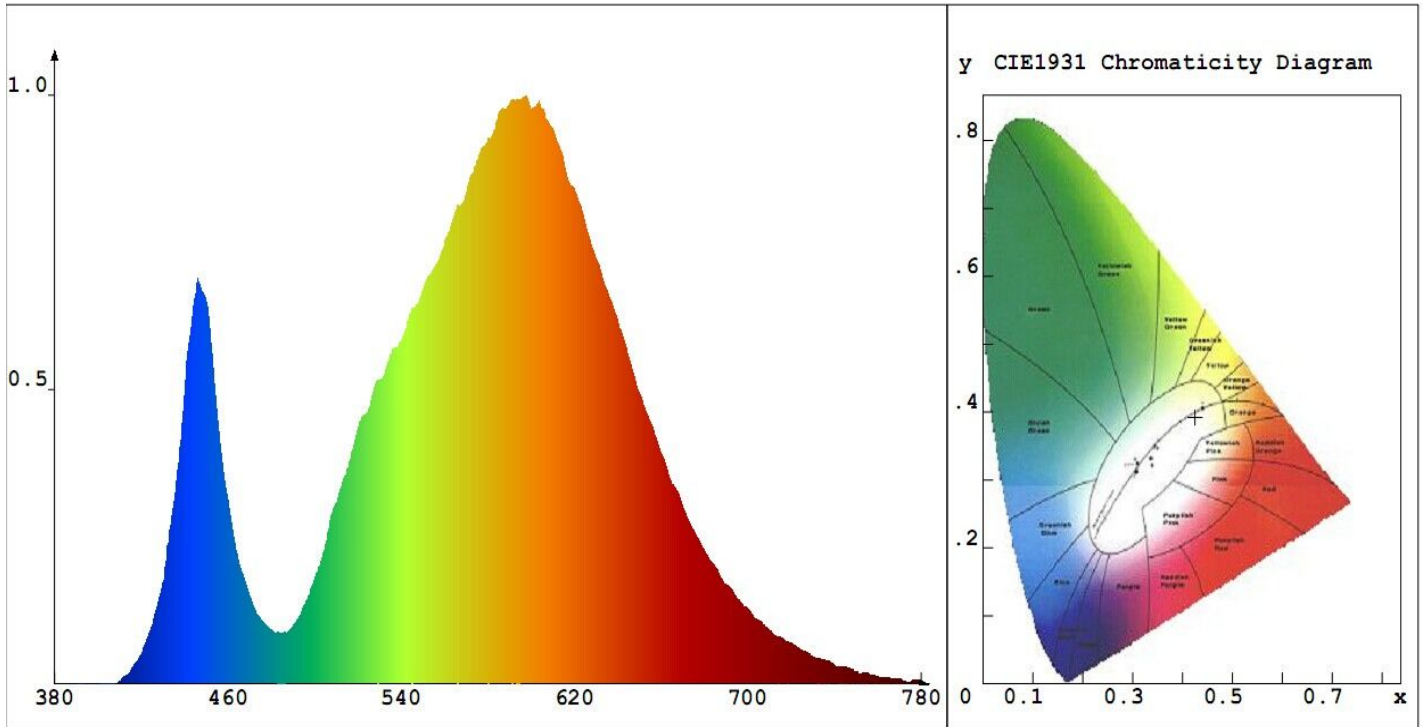
Wire diagram as following:



ECOLAMP.COM.AU

AAEC5600 Specification

Optical & Electrical Test Report



Chroma Parameters

Chro.Coord.: $x=0.4255$ $y=0.3926$ $u=0.2481$ $v=0.3434$

CCT: $T_c=3106K$ Dominant Wave.: 584.6nm Purity: 45.5%

R ratio: $R=21.1$ Peak Wavelength: 597.8nm Half Width: 122.1nm

Rending Index: $R_a=80.2$

$R_1=81.0$ $R_2=82.3$ $R_3=91.0$ $R_4=79.8$ $R_5=69.1$ $R_6=80.0$ $R_7=89.4$

$R_8=49.6$ $R_9=6.9$ $R_{10}=57.8$ $R_{11}=64.7$ $R_{12}=49.4$ $R_{13}=73.0$ $R_{14}=94.6$

Photo Parameters

Flux: 649.2lm Efficiency: 78.4lm Radiant Power: 2959.2mW

Ele. Parameters

Voltage: $U=240.0V$ Current: $I=0.47A$

Power: $P=9.8W$ Power Factor: $PF=0.913$

Instrument state

IntgTime: 110.041ms $V_{peak}=13955$ $V_{dark}=1426$

Scan Range: 380-780nm

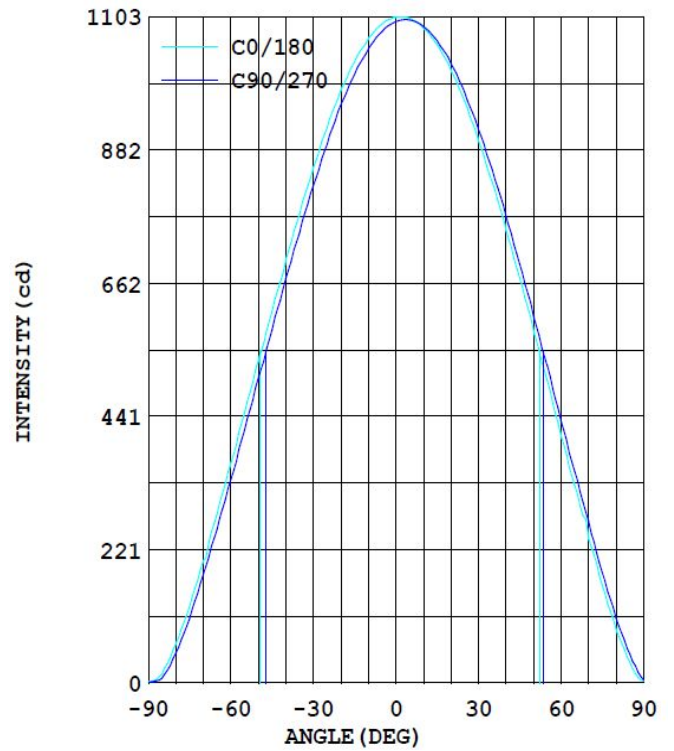
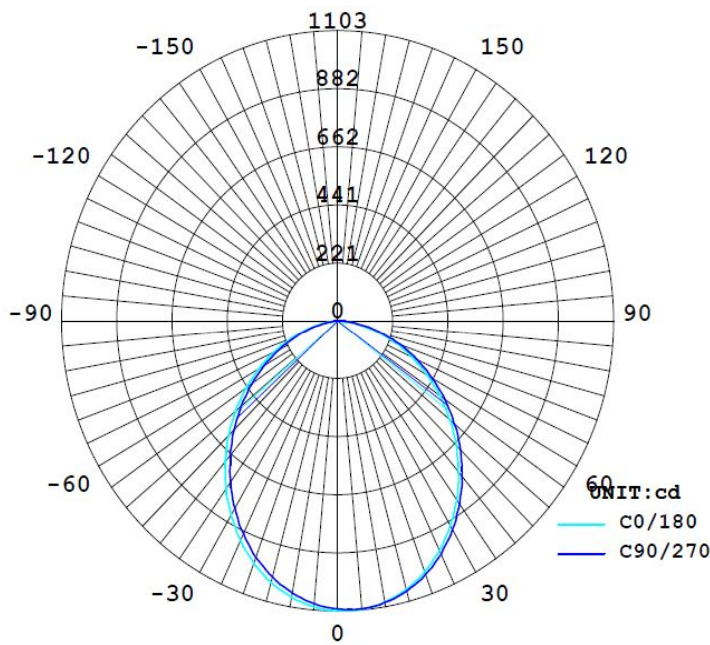
ECOLAMP.COM.AU

AAEC5600 Specification

Luminaire Photometric Test Report

Data of Lamp		Photometric Data			
Model	AAEC5600	I _{max} (cd)	1103	S/MH(C0/180)	1.16
Nominal Power(W)	10	Efficiency(%)	96.9	S/MH(C0/270)	1.13
Rated Voltage(V)	220	Total Flux(lm)	609	η UP(C0-180)	
Nominal Flux(lm)	650	CIE Class	Direct	η DN(C0-180)	
Lamps Inside	1	η up(%)	0	η UP(C180-360)	
Test Voltage(V)	230	η down(%)	96.3	η DN(c180-360)	

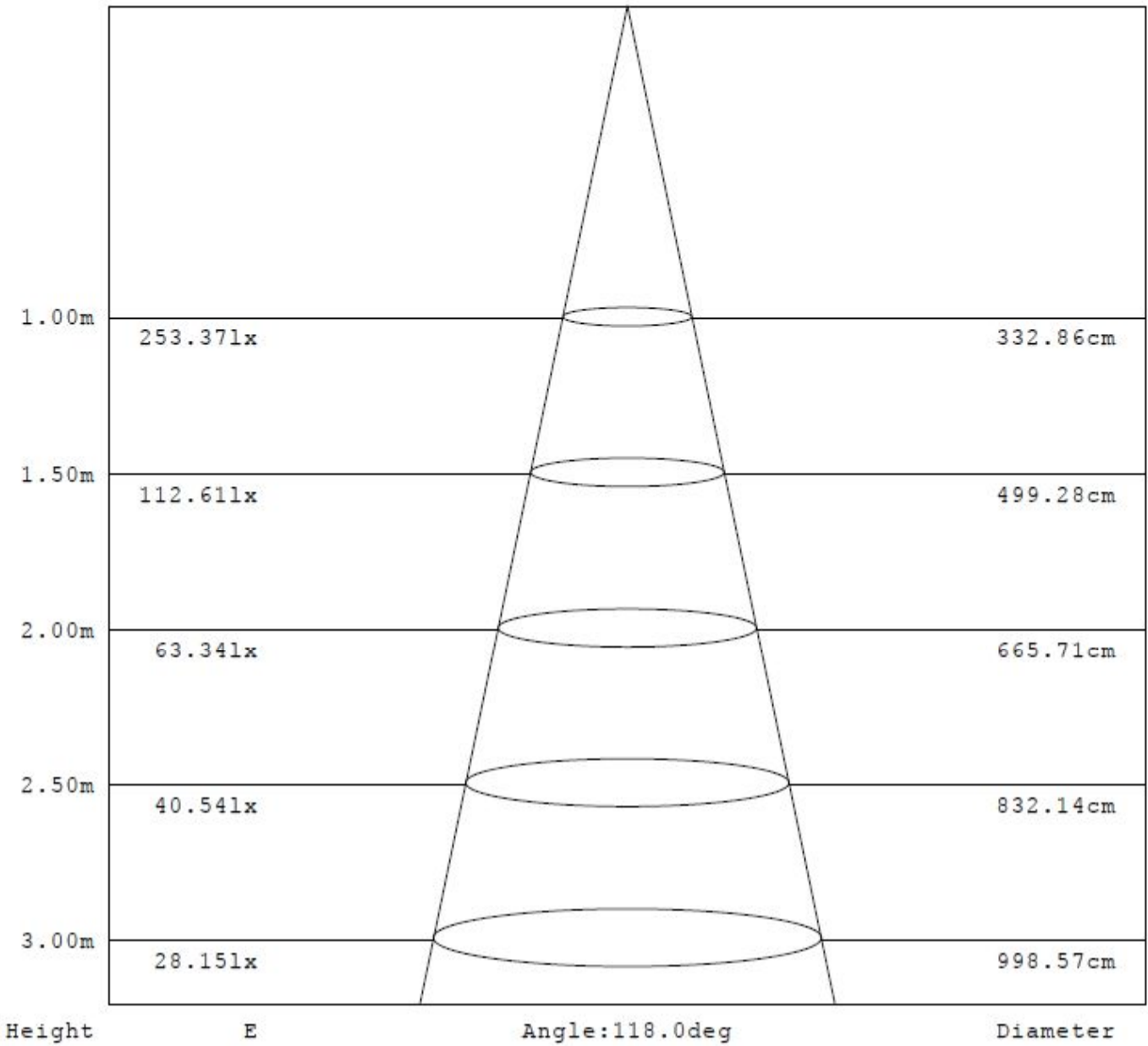
Luminous Intensity Distribution



ECOLAMP.COM.AU

AAEC5600 Specification

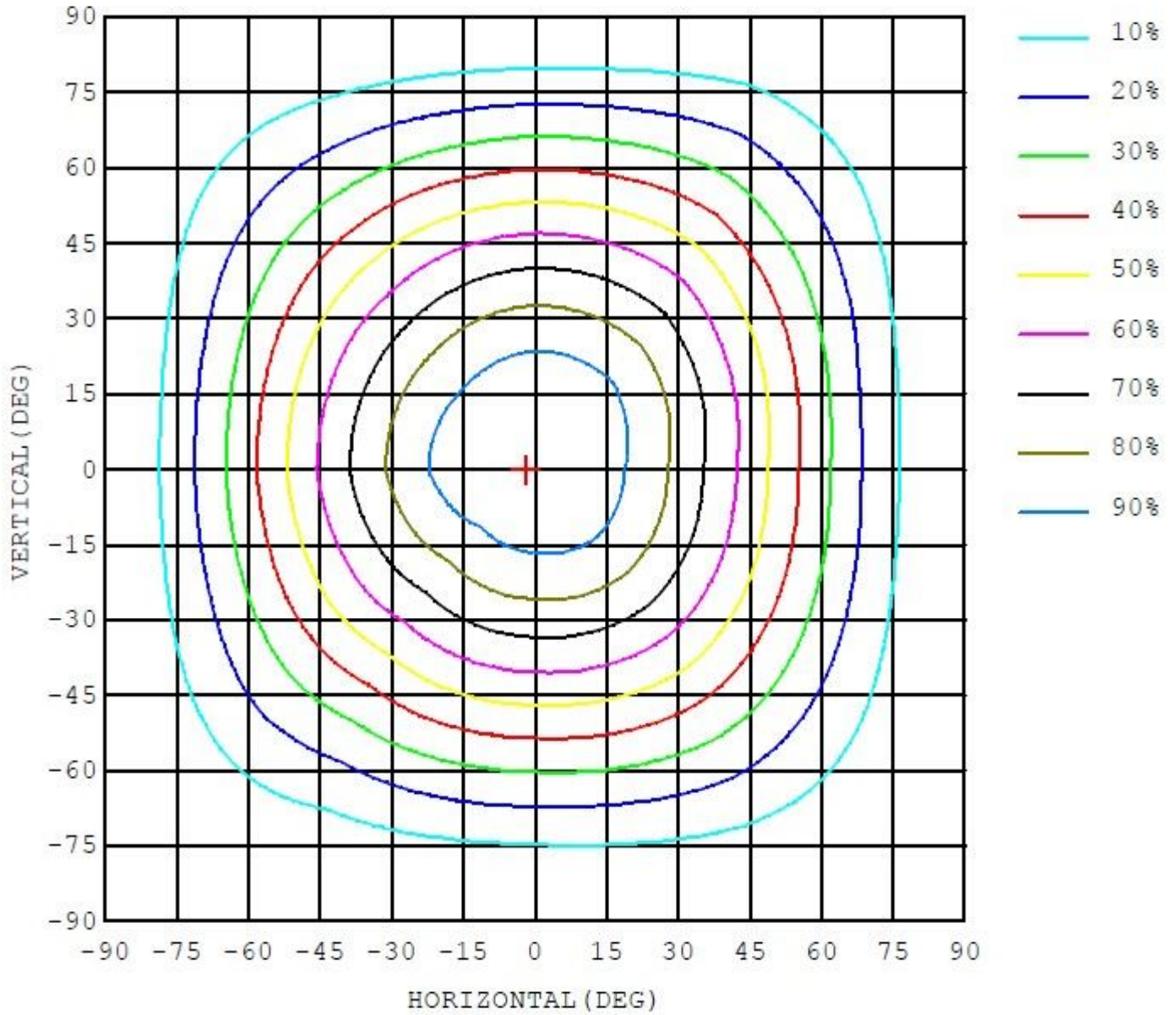
Average E Figure



ECOLAMP.COM.AU

AAEC5600 Specification ISO Candela Diagram

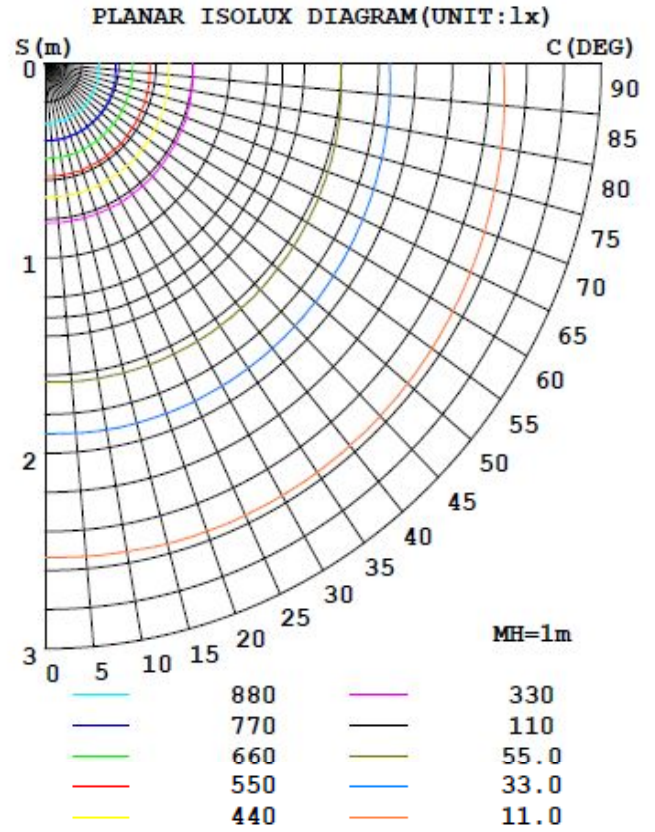
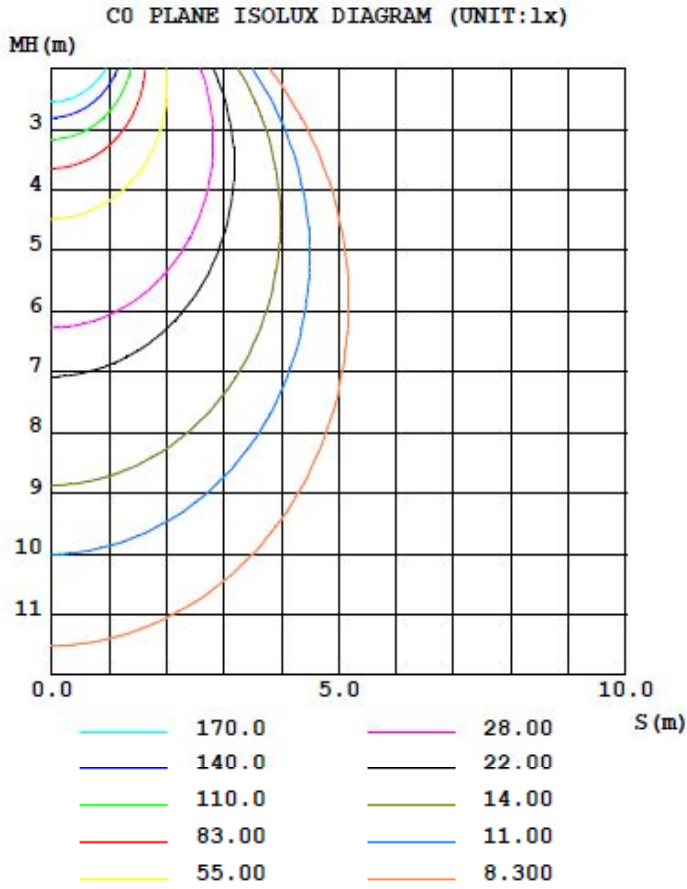
UNIT: cd



ECOLAMP.COM.AU

AAEC5600 Specification

ISOLUX Diagram



ECOLAMP.COM.AU

AAEC5600 Specification

Luminous Distribution Intensity Data

γ (DEG) \ C (DEG)	0	45	90	135	180	225	270	315
0.0	1102	1100	1095	1091	1102	1100	1095	1091
5.0	1090	1089	1078	1075	1100	1097	1097	1095
10.0	1067	1064	1050	1045	1084	1082	1086	1085
15.0	1029	1029	1008	1005	1056	1052	1063	1061
20.0	981	979	956	950	1014	1012	1025	1025
25.0	920	921	892	889	963	957	978	976
30.0	853	851	823	816	898	896	917	919
35.0	776	779	745	743	829	823	850	849
40.0	699	699	669	661	750	747	772	776
45.0	616	620	585	581	671	663	694	694
50.0	533	533	504	494	584	580	608	613
55.0	445	450	417	412	500	490	524	525
60.0	363	364	336	326	410	406	434	441
65.0	279	285	254	247	326	318	349	353
70.0	202	203	179	168	239	236	268	271
75.0	126	131	107	99.5	162	154	183	188
80.0	64.2	64.3	49.1	40.2	89.0	86.0	107	116
85.0	13.9	17.9	8.00	4.70	34.4	32.0	47.7	55.1
90.0	1.98	1.49	1.88	1.80	3.09	3.42	4.45	11.4