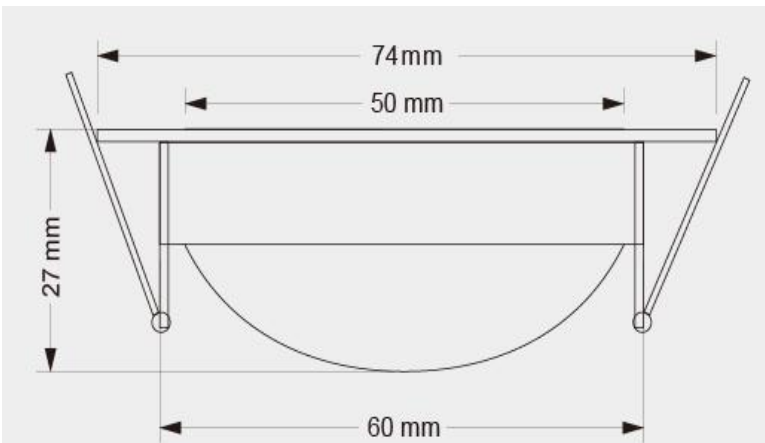


360 Degree Rotatable Fire Rated LED Downlight DL5WCCT Specification

Picture:



Drawing Size:



Features:

This 5W fire rated LED Downlight is fire-rated to 90 minutes, IP65 Waterproof, very low power consumption, Bridgelux COB LED chip inside, Dimmable Driver.

Technical Data:

Item No.:	DL5WCCT
LED Chip:	Bridgelux COB
Lamp Base:	6pole quick connector
Type:	Fire Rated LED Downlight
Weight:	220g
Dimension:	Ø74x27mm
Cutout Size:	60-65mm
Material:	Aluminum alloy + PC
IP Grade:	IP65
Power(W):	5W
Power Factor:	>0.85
Input Voltage:	AC220-240V 50/60Hz
Total Lumens:	500lm
CRI:	>80Ra
Dimmable:	Yes
Beam Angle:	60
Color Temperature:	Warm White(WW):2700K Nature White(NW):4100K Cool White(CW): 5500K
Packing:	1. 50pcs/CTN 2. Gross Weight: 12kg 3. Carton Size: 57x31x20cm

Quality Guarantee:

Certificate:	CE / RoHS / BS476-21:1987
Waranty:	5 years waranty
Aging Test:	48 working hours aging test

360 Degree Rotatable Fire Rated LED Downlight DL5WCCT Specification

Driver:

The 5W Fire Rated LED Downlight including a dimmable Driver proves the perfect power, It is compact size allows for easy installation, as does the 20cm flying leads, .



LED Heat Sink:

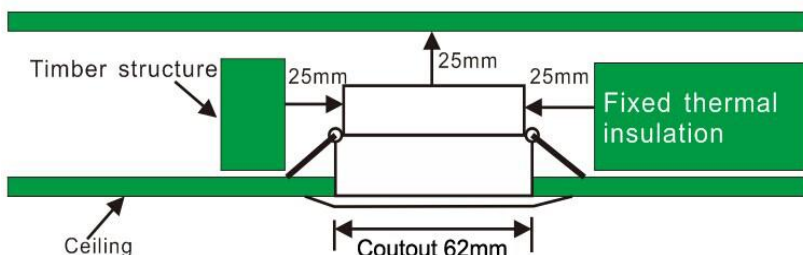
The heat sink is designed to remain in free air, the fire rated LED Downlight can efficiently keep the LED Chip cool ensuring long life and ultimate light output, unlike other fire rated LED fittings where the heat sink is enclosed in a fire cowl or fire hood.

Fire Protection

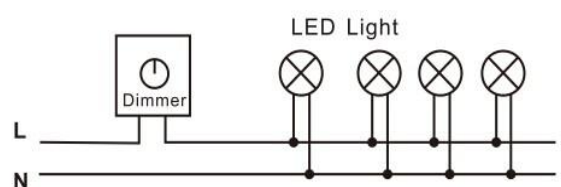
At the heart of fire rated LED Downlight design is a Aluminum fire cowl patent system for efficiently transferring heat from LED to heat sink, whilst ensuring that under fire conditions the fire rated ceiling is maintained for its full rated duration. No fire hoods required, saving installation time and cost, but still ensuring optimum cooling for the LEDs.

Installation:

Being a one-piece design, the fire rated LED Downlight is the easiest and most convenient means of installing downlights into a fire rated ceiling. The product dimensions have been specially designed to fit into a standard range of fitting hole size, allowing easy replacement of existing MR16 or GU10 Fittings.

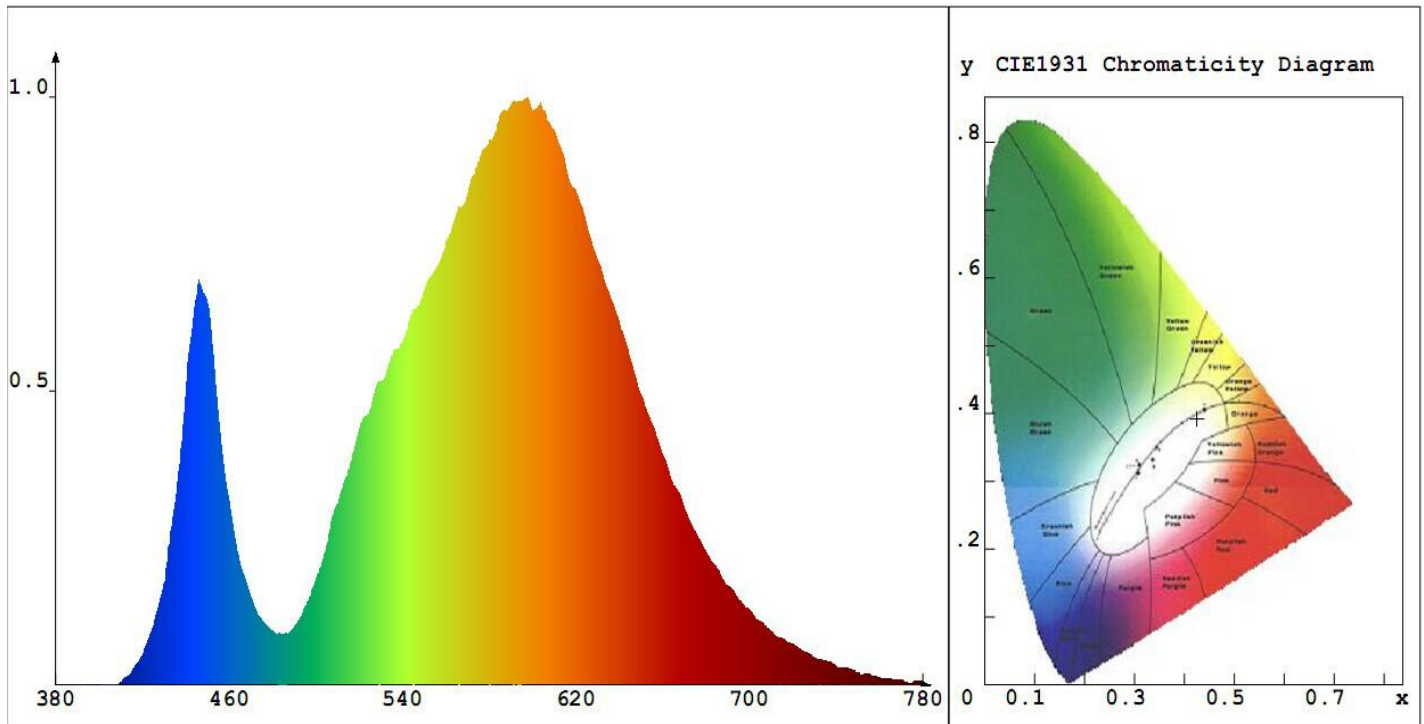


Wire diagram as following:



360 Degree Rotatable Fire Rated LED Downlight DL5WCCT Specification

Optical & Electrical Test Report



Chroma Parameters

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

CCT: $T_c = 4106K$ Dominant Wave.: 584.6nm Purity: 45.5%

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

Rending Index: $R_a = 82.2$

$R_1 = 81.0$ $R_2 = 82.3$ $R_3 = 91.0$ $R_4 = 79.8$ $R_5 = 79.1$ $R_6 = 84.0$ $R_7 = 85.4$

$R_8 = 79.6$ $R_9 = 8.9$ $R_{10} = 67.8$ $R_{11} = 74.7$ $R_{12} = 79.4$ $R_{13} = 78.0$ $R_{14} = 94.6$

Photo Parameters

Flux: 538.05lm Efficiency: 105.5lm Radiant Power: 2959.2mW

Ele. Parameters

Voltage: $U = 230.0V$ Current: $I = 0.35A$

Power: $P = 5.1W$ Power Factor: $PF = 0.882$

Instrument state

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

Scan Range: 380-780nm

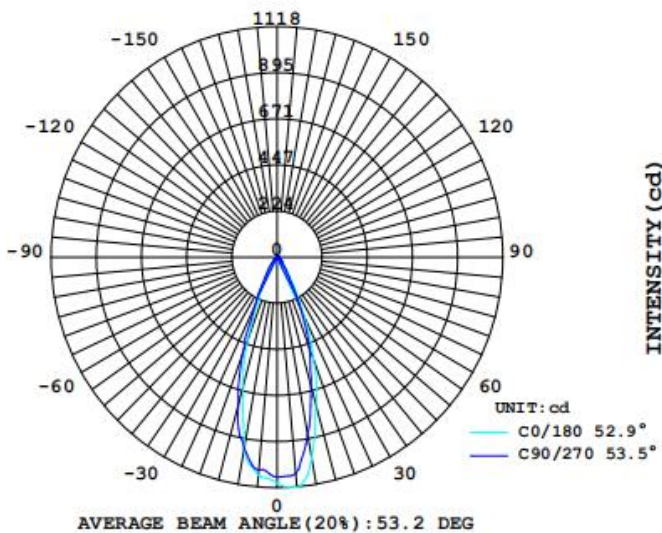
360 Degree Rotatable Fire Rated LED Downlight DL5WCCT Specification

Luminaire Photometric Test Report

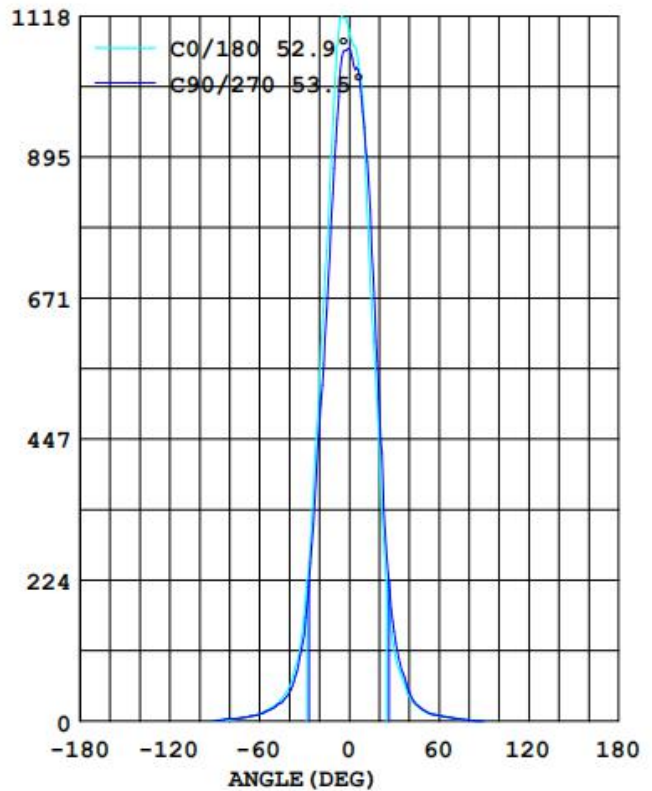
Data of Lamp		Photometric Data			
Model	DL5WCCT	I _{max} (cd)	1163	S/MH(C0/180)	1.16
Mominal Power(W)	5	Efficiency(%)	105	S/MH(C0/270)	1.13
Rated Voltage(V)	230	Total Flux(lm)	538	η UP(C0-180)	
Nominal Flux(lm)	500	CIE Class	Direct	η DN(C0-180)	
Lamps Inside	1	η up(%)	0	η UP(C180-360)	
Test Voltage(V)	230	η down(%)	93	η DN(c180-360)	

Luminous Intensity Distribution

LUMINOUS INTENSITY DISTRIBUTION

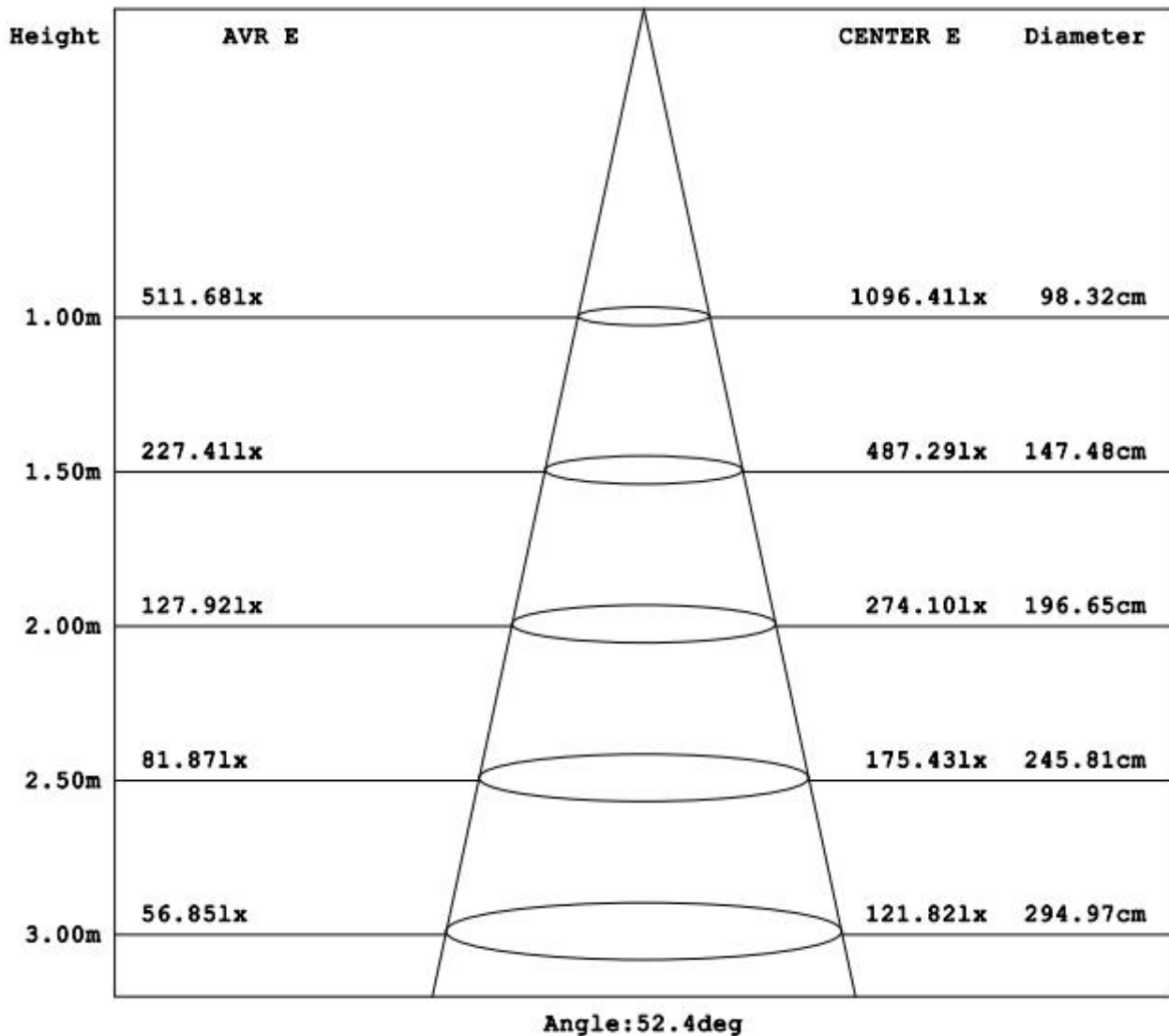


LUMINOUS INTENSITY DISTRIBUTION



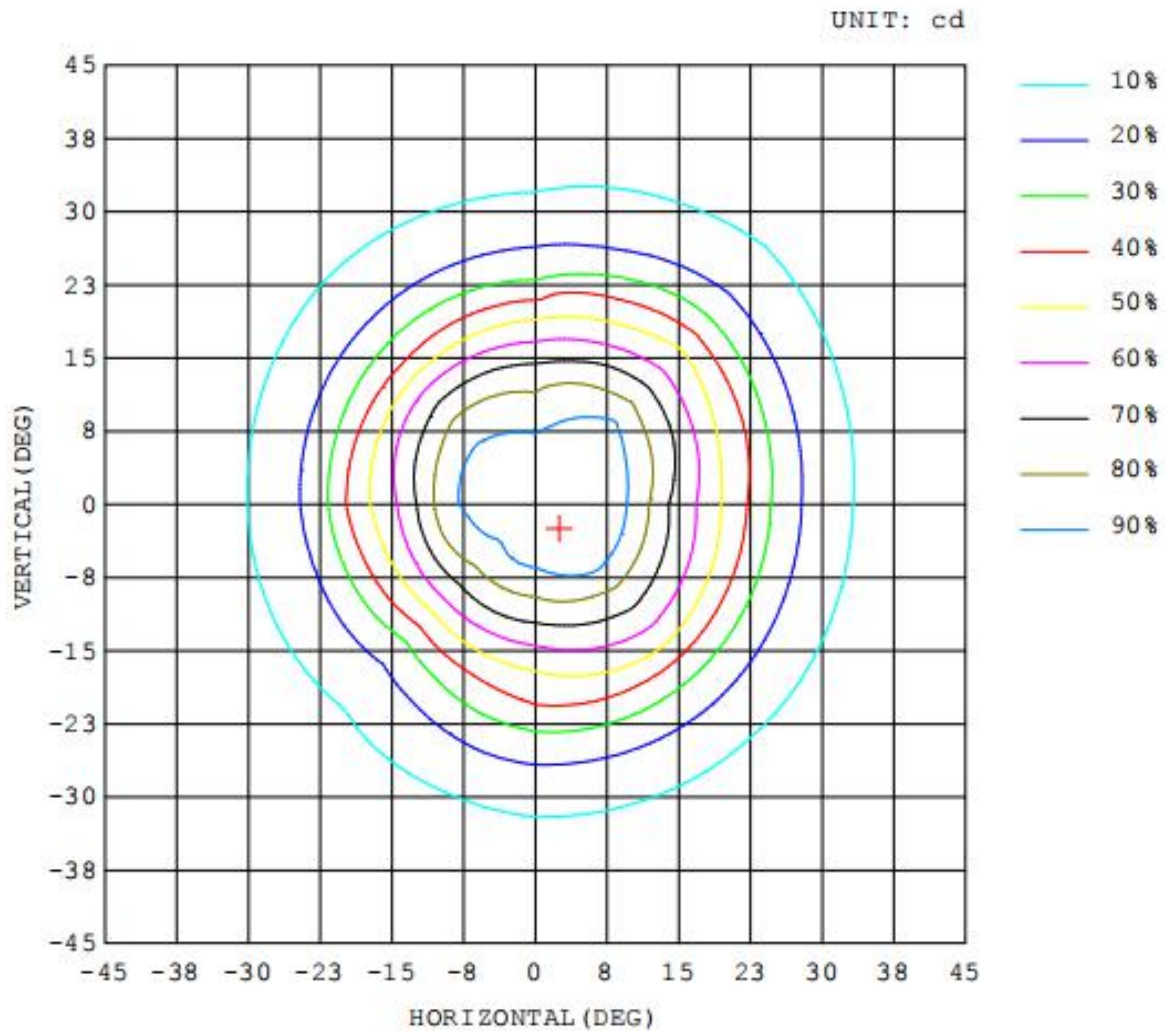
360 Degree Rotatable Fire Rated LED Downlight DL5WCCT Specification

Average E Figure



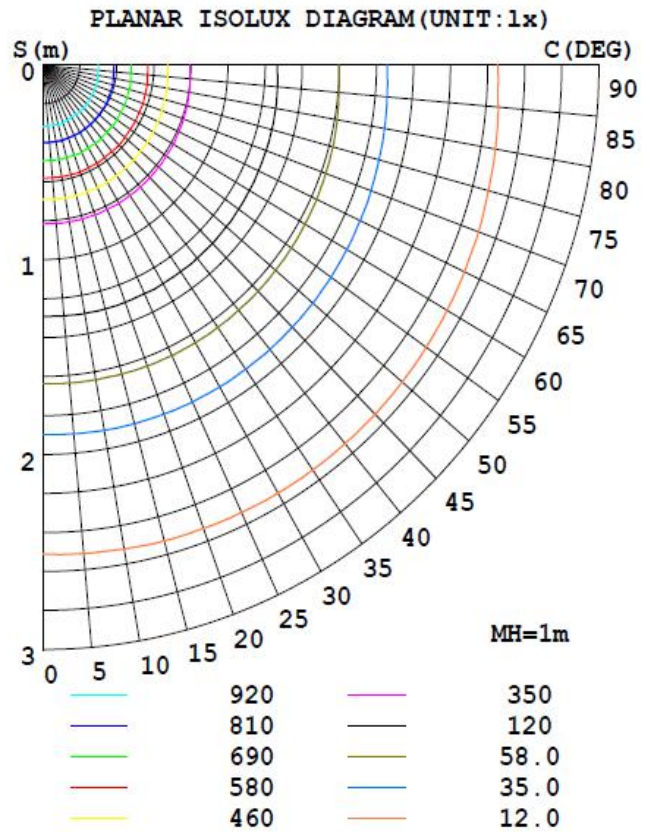
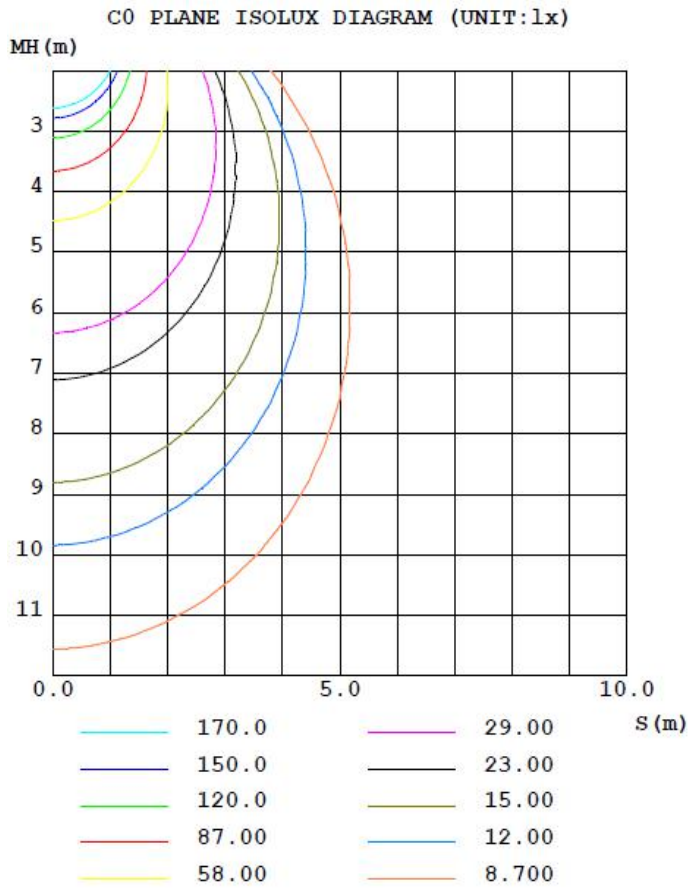
360 Degree Rotatable Fire Rated LED Downlight DL5WCCT Specification

ISOCandela Diagram



360 Degree Rotatable Fire Rated LED Downlight DL5WCCT Specification

ISOLUX Diagram



360 Degree Rotatable Fire Rated LED Downlight DL5WCCT Specification

Luminous Distribution Intensity Data

UNIT: cd

γ (DEG)	C (DEG)							
	0	45	90	135	180	225	270	315
0.0	1096	1096	1067	1064	1096	1096	1067	1064
5.0	1118	1116	1053	1014	1062	1046	1036	1083
10.0	989	986	878	857	943	973	942	1056
15.0	747	775	652	584	650	760	747	883
20.0	526	548	466	312	439	444	513	628
25.0	323	299	279	170	215	234	260	401
30.0	176	160	138	102	114	130	142	203
35.0	94.1	86.1	78.6	65.3	70.5	79.2	81.2	114
40.0	54.8	50.3	44.5	39.4	40.5	44.2	46.3	72.6
45.0	35.6	31.3	29.5	21.7	24.6	23.6	26.3	45.1
50.0	24.4	19.6	21.8	13.4	16.0	16.2	17.3	27.6
55.0	17.3	12.2	15.9	9.18	10.5	12.5	11.3	16.7
60.0	11.8	8.70	11.2	7.12	8.35	10.0	8.78	11.4
65.0	8.23	6.59	8.16	5.26	6.31	7.41	6.65	8.46
70.0	5.92	5.00	5.95	3.61	4.44	5.10	4.87	6.33
75.0	3.83	3.10	4.32	2.36	2.58	2.92	3.07	4.24
80.0	2.16	2.17	4.09	1.28	1.17	1.53	1.43	2.48
85.0	0.91	1.09	2.16	0.56	0.35	0.64	0.48	1.09
90.0	0.47	0.72	1.21	0.48	0.42	0.42	0.28	0.44