

Product Information

LM-SPOT 50 MODULE COB DC



Application Area

- Indoor retail lighting
- Shop, hotel and restaurant
- Museum and Gallery

Standards

- IEC60231, IEC62471, RoHS

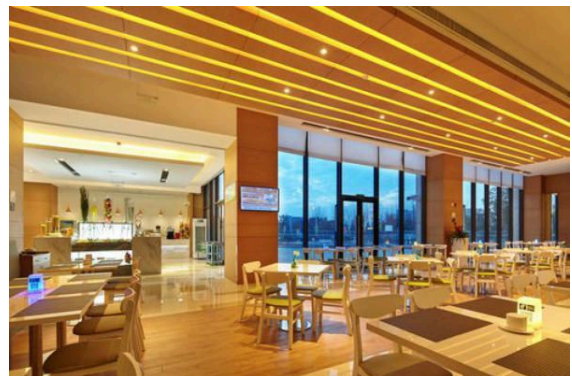
Product Description

- Fits into existing MR16 luminaires
- Luminous flux: Up to 1510lm with CRI80, and 1250lm with CRI90
- Work with constant current LED driver with 350mA rated.
- Average lifetime up to 50,000 hours



Product Feature

- Lumen efficacy up to 122 lm/W for CRI90, 101lm/W for CRI80.
- High color consistency: 3 SDCM
- Ambient temperature $T_a = -20 \sim 40^\circ\text{C}$
- Operating temperature T_c max: 90°C



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Technical Parameter

Model	CRI	CCT (K)	Beam Angle	Lumen Output (lm)	Lumen efficacy (lm/W)	Central Intensity (cd)
LM SPOT 50-900-930-12D DC	90	3000	12°	950	83	8800
LM SPOT 50-900-930-24D DC	90	3000	24°	1150	93	4700
LM SPOT 50-900-930-40D DC	90	3000	40°	1100	89	2400
LM SPOT 50-900-940-12D DC	90	4000	12°	1000	87	9500
LM SPOT 50-900-940-24D DC	90	4000	24°	1250	101	5500
LM SPOT 50-900-940-40D DC	90	4000	40°	1200	97	2700
LM SPOT 50-1200-830-12D DC	80	3000	12°	1100	96	10500
LM SPOT 50-1400-830-24D DC	80	3000	24°	1430	116	6000
LM SPOT 50-1400-830-40D DC	80	3000	40°	1360	110	2900
LM SPOT 50-1200-840-12D DC	80	4000	12°	1150	100	11000
LM SPOT 50-1400-840-24D DC	80	4000	24°	1510	122	6100
LM SPOT 50-1400-840-40D DC	80	4000	40°	1430	116	3000

Note: Above spec is the rated value based on Ta=25°C.

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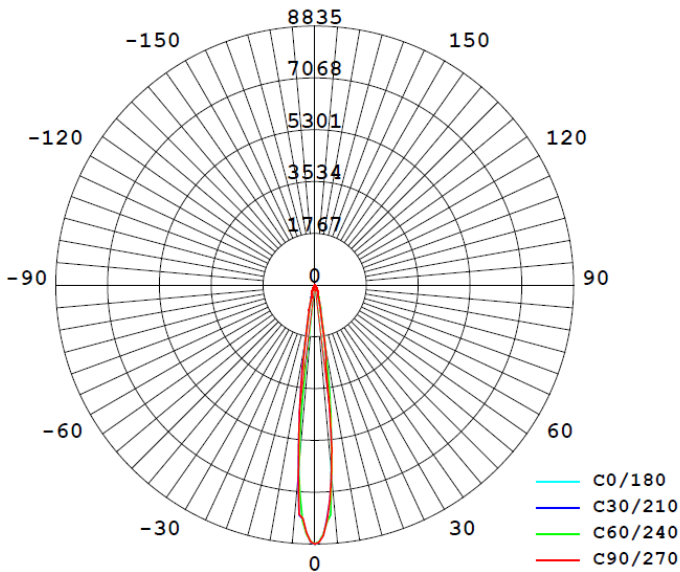
Model	Power (W)	Nominal Current (mA)	Nominal Voltage (V)	Ta (°C)	Tc (°C)	Ave. lifetime (L70B50)
LM SPOT 50-900-930-12D DC	11.4	350	32.6	-20 to 40	90	50,000
LM SPOT 50-900-930-24D DC	12.3	350	35.2	-20 to 40	90	50,000
LM SPOT 50-900-930-40D DC	12.3	350	35.2	-20 to 40	90	50,000
LM SPOT 50-900-940-12D DC	11.4	350	32.6	-20 to 40	90	50,000
LM SPOT 50-900-940-24D DC	12.3	350	35.2	-20 to 40	90	50,000
LM SPOT 50-900-940-40D DC	12.3	350	35.2	-20 to 40	90	50,000
LM SPOT 50-1200-830-12D DC	11.4	350	32.6	-20 to 40	90	50,000
LM SPOT 50-1400-830-24D DC	12.3	350	35.2	-20 to 40	90	50,000
LM SPOT 50-1400-830-40D DC	12.3	350	35.2	-20 to 40	90	50,000
LM SPOT 50-1200-840-12D DC	11.4	350	32.6	-20 to 40	90	50,000
LM SPOT 50-1400-840-24D DC	12.3	350	35.2	-20 to 40	90	50,000
LM SPOT 50-1400-840-40D DC	12.3	350	35.2	-20 to 40	90	50,000

Note: Above spec is the rated value based on Ta=25°C.

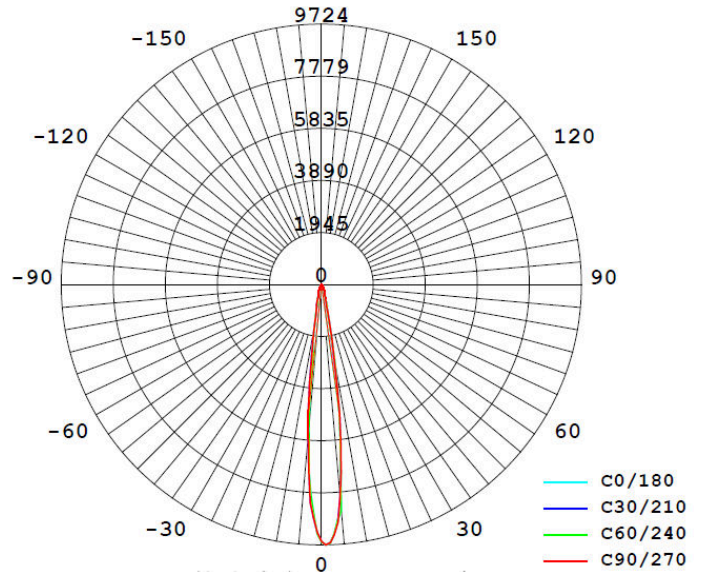
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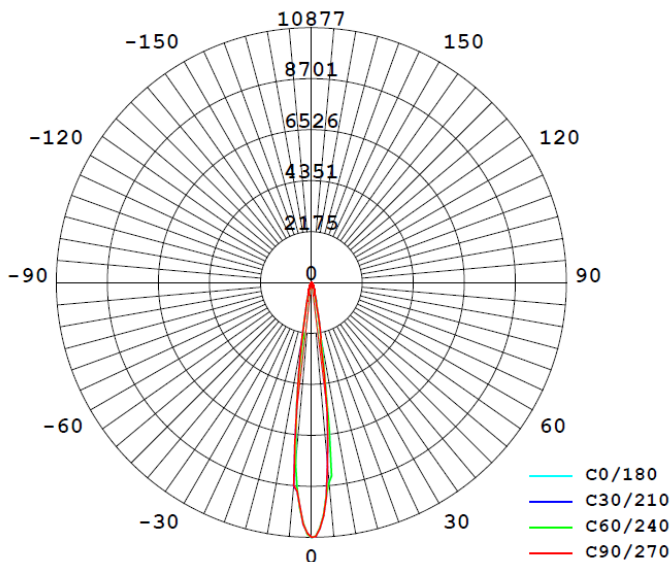
Light Distribution (for 12D Models)



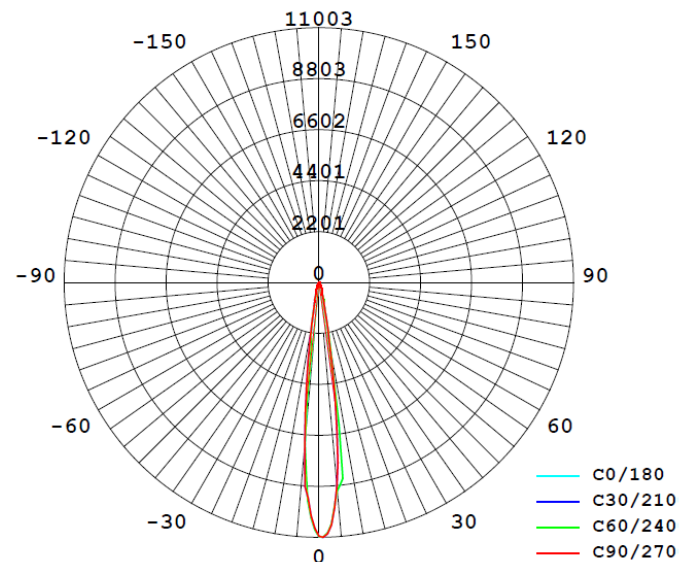
LM SPOT 50-900-930-12D DC



LM SPOT 50-900-940-12D DC



LM SPOT 50-1200-830-12D DC



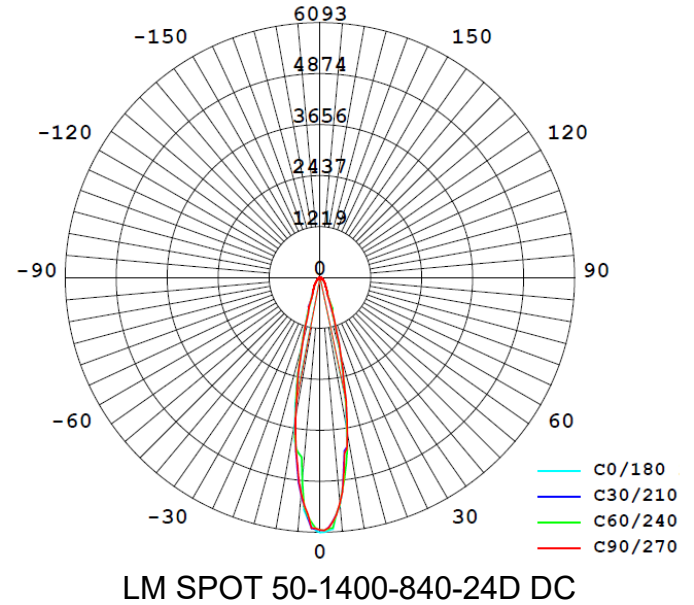
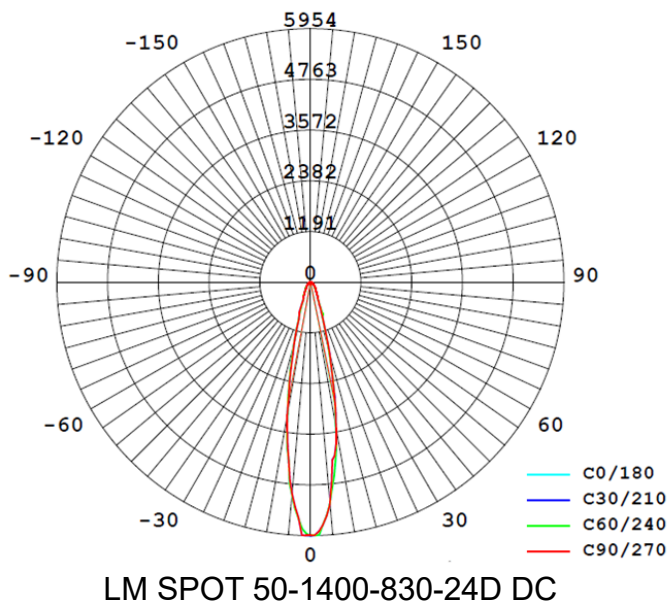
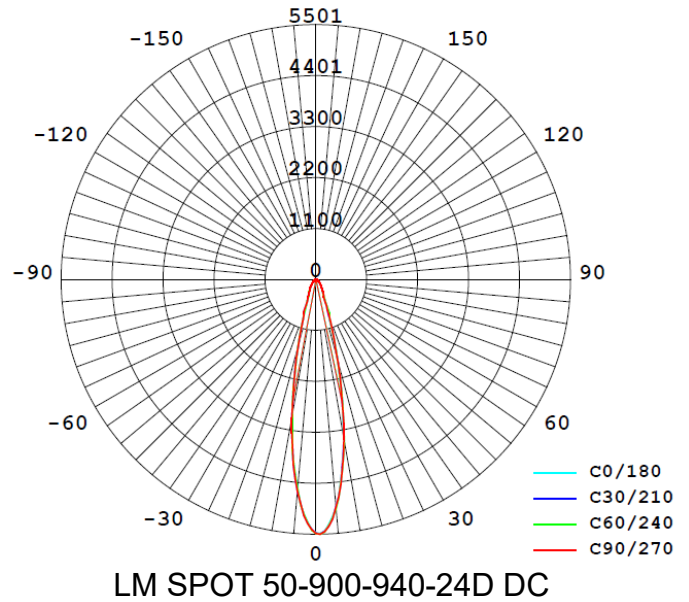
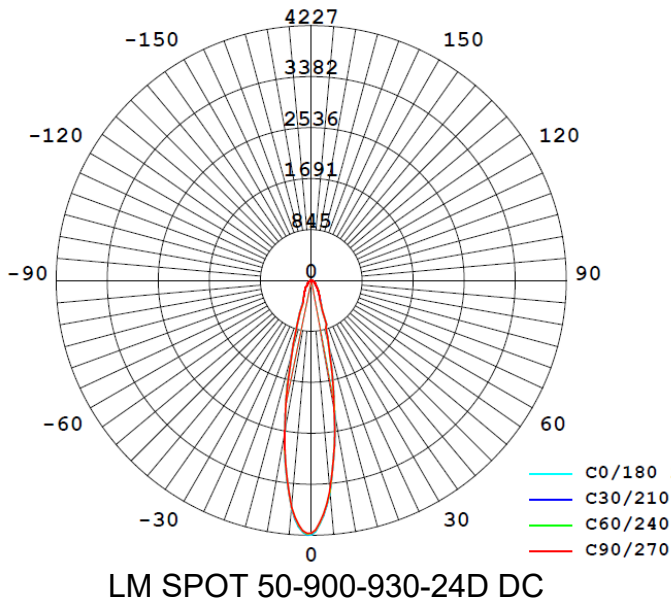
LM SPOT 50-1200-840-12D DC

Note: Above spec is the rated value based on $T_a=25^{\circ}\text{C}$.

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Light Distribution (for 24D Models)

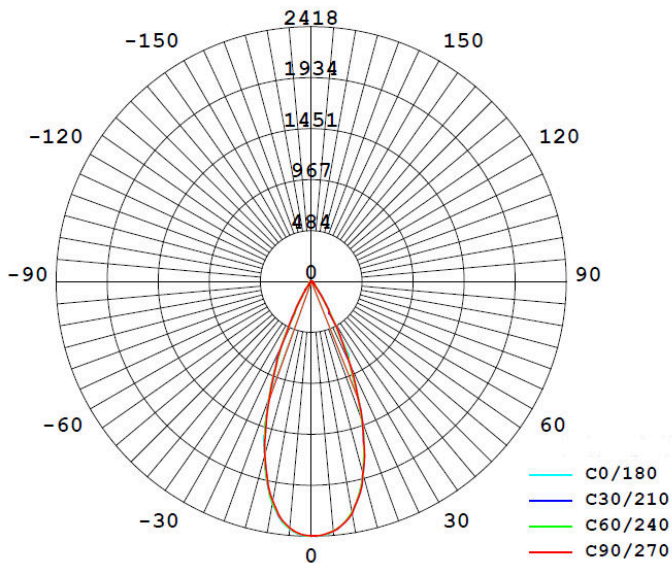


Note: Above spec is the rated value based on $T_a=25^\circ\text{C}$.

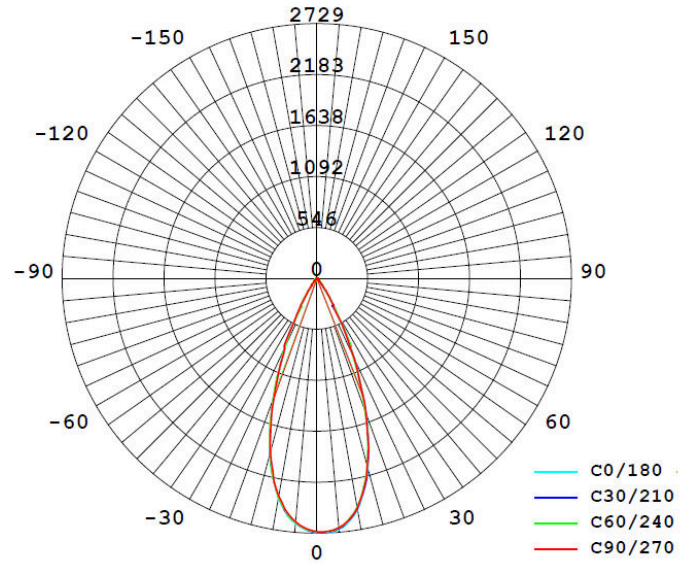
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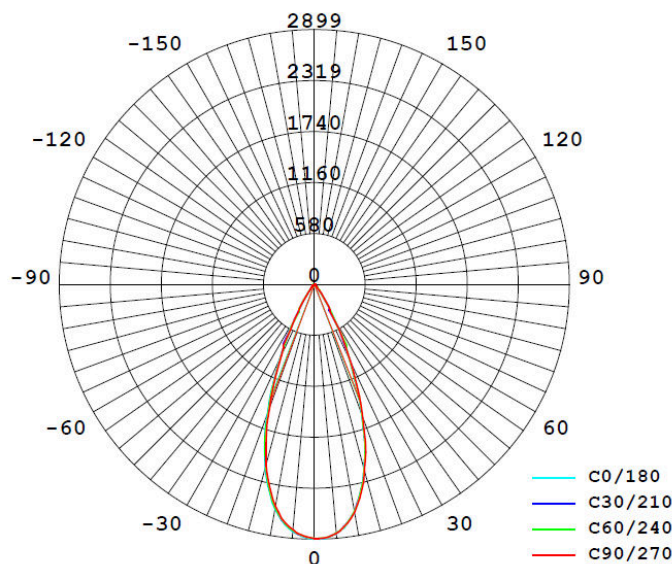
Light Distribution (for 40D Models)



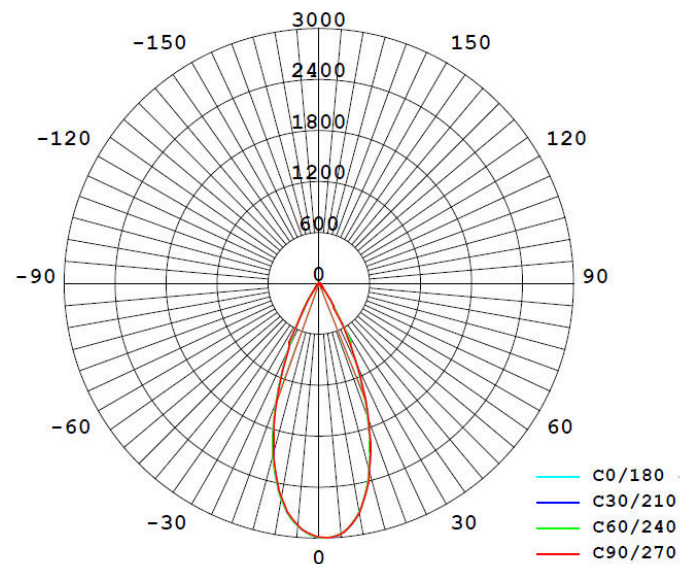
LM SPOT 50-900-930-40D DC



LM SPOT 50-900-940-40D DC



LM SPOT 50-1400-830-40D DC



LM SPOT 50-1400-840-40D DC

Note: Above spec is the rated value based on $T_a=25^\circ\text{C}$.

Product Information

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Ordering codes

EAN10	EAN40	Description	Product weight (g)	Diameter (mm)
4058075258303	4058075258310	LM SPOT 50-900-930-12D DC	95	Φ50*H50
4058075258327	4058075258334	LM SPOT 50-900-930-24D DC	95	Φ50*H50
4058075258341	4058075258358	LM SPOT 50-900-930-40D DC	95	Φ50*H50
4058075258365	4058075258372	LM SPOT 50-900-940-12D DC	95	Φ50*H50
4058075258389	4058075258396	LM SPOT 50-900-940-24D DC	95	Φ50*H50
4058075258402	4058075258419	LM SPOT 50-900-940-40D DC	95	Φ50*H50
4058075258426	4058075258433	LM SPOT 50-1200-830-12D DC	95	Φ50*H50
4058075258440	4058075258457	LM SPOT 50-1400-830-24D DC	95	Φ50*H50
4058075258464	4058075258471	LM SPOT 50-1400-830-40D DC	95	Φ50*H50
4058075258488	4058075258495	LM SPOT 50-1200-840-12D DC	95	Φ50*H50
4058075258501	4058075258518	LM SPOT 50-1400-840-24D DC	95	Φ50*H50
4058075258525	4058075258532	LM SPOT 50-1400-840-40D DC	95	Φ50*H50

Product Information

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Logistics information

Model	Unit per Shipping Box	Packaging Box dimension(mm) 1 PCE	Shipping Box dimension(mm) 20 PCE
LM SPOT 50-900-930-12D DC	20	55*55*60	305*130*153
LM SPOT 50-900-930-24D DC	20	55*55*60	305*130*153
LM SPOT 50-900-930-40D DC	20	55*55*60	305*130*153
LM SPOT 50-900-940-12D DC	20	55*55*60	305*130*153
LM SPOT 50-900-940-24D DC	20	55*55*60	305*130*153
LM SPOT 50-900-940-40D DC	20	55*55*60	305*130*153
LM SPOT 50-1200-830-12D DC	20	55*55*60	305*130*153
LM SPOT 50-1400-830-24D DC	20	55*55*60	305*130*153
LM SPOT 50-1400-830-40D DC	20	55*55*60	305*130*153
LM SPOT 50-1200-840-12D DC	20	55*55*60	305*130*153
LM SPOT 50-1400-840-24D DC	20	55*55*60	305*130*153
LM SPOT 50-1400-840-40D DC	20	55*55*60	305*130*153

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System Solution

Module	Driver			
Module Model	Driver Model	EAN	Output Current (A)	Comment
LM SPOT 50-xxxx	LVED VAL 15W/220-240/350	4058075080522	350mA	Non-dimmable Available
LM SPOT 50-xxxx	LVED PRO 20/220-240/500 CS	4058075240971	DIP switch to set 350mA	Non-dimmable Available
LM SPOT 50-xxxx	LVED PRO 20/220-240/500 CS PC	4058075299733	DIP switch to set 350mA	Phase cut dimmable Coming soon in Apr
LM SPOT 50-xxxx	LVED PRO 20/220-240/550 CS 1-10V	4058075199880	DIP switch to set 350mA	1-10V dimmable Available

Caution:

- 1) This LED Module is basic insulation, **please use with SELV LED Driver.**
- 2) Do not cover the module with any heat insulating or inflammable material during application.
- 3) This module is for indoor use only and the module is not water proof.

