

Infinite System Specification

— Curve series



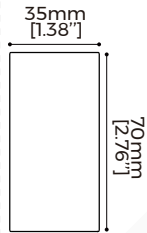
MS3570D-A180
MS5070D-A180
MS7070D-A180
MS3570P-A180
MS5070P-A180
MS7070P-A180



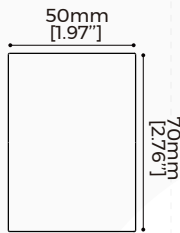
Optical: Diffuser



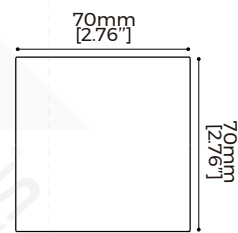
Optical: Prismatic



Model:
MS3570D-A180
MS3570P-A180



Model:
MS5070D-A180
MS5070P-A180



Model:
MS7070D-A180
MS7070P-A180

Basic Information

Light efficiency

MS3570D-A180 100LM/W(Regular), 120LM/W(High-Efficiency)	MS3570P-A180 85LM/W(Regular), 105LM/W(High-Efficiency)
MS5070D-A180 100LM/W(Regular), 120LM/W(High-Efficiency)	MS5070P-A180 90LM/W(Regular), 105LM/W(High-Efficiency)
MS7070D-A180 110LM/W(Regular), 135LM/W(High-Efficiency)	MS7070P-A180 100LM/W(Regular), 120LM/W(High-Efficiency)

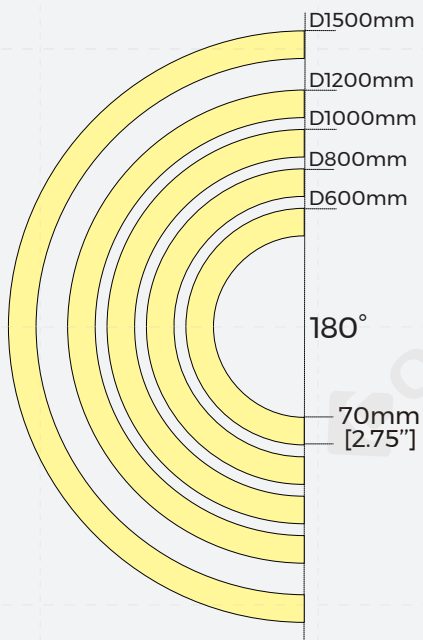
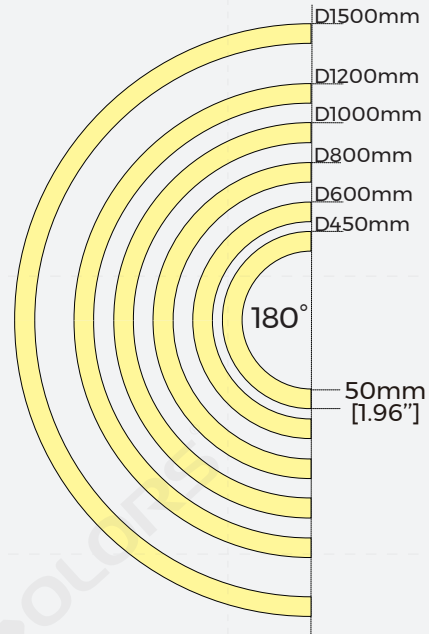
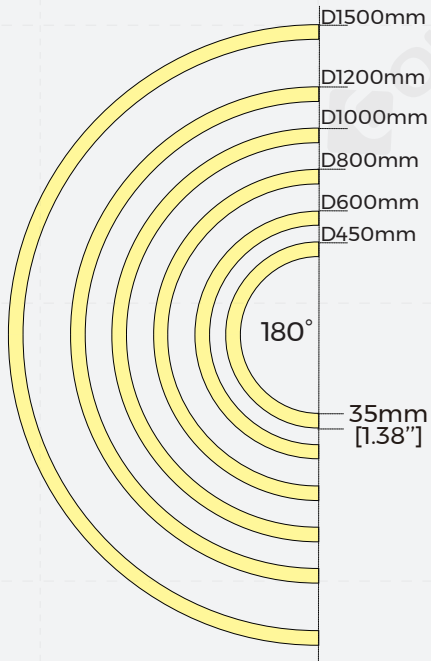
Diameter

MS3570D-A180/MS3570P-A180/MS5070D-A180/MS5070P-A180 D450/600/800/1000/1200/1500 mm	MS7070D-A180/MS7070P-A180 600/800/1000/1200/1500 mm
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Common information

· Material:	AL6063-T5, spraying surface
· Color:	Black/White/Silver/Orange/Blue/Green /Rose gold/Champagne gold
· IP grade:	IP20
· CCT:	2700/3000/3500/4000/5000/6500K optional
· CRI:	>80/>90
· SDCM:	≤3 Step
· Dimming method:	Non-dimming, 1-10V, DALI2+PUSH
· Application:	Indoor
· Installation:	Ceiling/Pendant
· Certification:	CE, UKCA, ROHS, REACH, CB, ENEC, ETL, LM-80
· Warranty:	5 years

© Product Dimension Information



*The yellow fill means luminous surface.

© Luminaire Parameters

Model	Version	Diameter (mm)	Angle (°)	Type Power (W/PCS)	Input Voltage (V)	Input Current (A)	CRI	Lumens (LM/PCS)	CCT
MS3570D-A180	Regular	D450 [1.48ft]	180°	13	DC36V	0.325	>80	1285	2700K 3000K 3500K 4000K 5000K 6500K
							>90	1105	
		D600 [1.97ft]	180°	18	DC36V	0.45	>80	1779	
							>90	1530	
		D800 [2.62ft]	180°	24	DC36V	0.6	>80	2372	
							>90	2040	
		D1000 [3.28ft]	180°	30	DC36V	0.75	>80	2965	
							>90	2550	
		D1200 [3.94ft]	180°	36	DC36V	0.9	>80	3558	
							>90	3060	
		D1500 [4.92ft]	180°	47	DC36V	1.2	>80	4744	
							>90	4080	
	High-Efficiency	D450 [1.48ft]	180°	13	DC36V	0.325	>80	1542	
							>90	1326	
		D600 [1.97ft]	180°	18	DC36V	0.45	>80	2135	
							>90	1836	
		D800 [2.62ft]	180°	24	DC36V	0.6	>80	2847	
							>90	2448	
	D1000 [3.28ft]	180°	30	DC36V	0.75	>80	3558		
						>90	3060		
	D1200 [3.94ft]	180°	36	DC36V	0.9	>80	4270		
						>90	3672		
	D1500 [4.92ft]	180°	47	DC36V	1.2	>80	5693		
						>90	4896		

Model	Version	Diameter (mm)	Angle (°)	Type Power (W/PCS)	Input Voltage (V)	Input Current (A)	CRI	Lumens (LM/PCS)	CCT
MS3570P-A180	Regular	D450 [1.48ft]	180°	13	DC36V	0.325	>80	1092	2700K 3000K 3500K 4000K 5000K 6500K
							>90	939	
		D600 [1.97ft]	180°	18	DC36V	0.45	>80	1512	
							>90	1301	
		D800 [2.62ft]	180°	24	DC36V	0.6	>80	2016	
							>90	1734	
	D1000 [3.28ft]	180°	30	DC36V	0.75	>80	2520		
						>90	2168		
	D1200 [3.94ft]	180°	36	DC36V	0.9	>80	3024		
						>90	2601		
	D1500 [4.92ft]	180°	47	DC36V	1.2	>80	4033		
						>90	3468		
	High-Efficiency	D450 [1.48ft]	180°	13	DC36V	0.325	>80	1349	
							>90	1160	
D600 [1.97ft]		180°	18	DC36V	0.45	>80	1868		
						>90	1607		
D800 [2.62ft]		180°	24	DC36V	0.6	>80	2491		
						>90	2142		
D1000 [3.28ft]	180°	30	DC36V	0.75	>80	3113			
					>90	2678			
D1200 [3.94ft]	180°	36	DC36V	0.9	>80	3736			
					>90	3213			
D1500 [4.92ft]	180°	47	DC36V	1.2	>80	4981			
					>90	4284			

Model	Version	Diameter (mm)	Angle (°)	Type Power (W/PCS)	Input Voltage (V)	Input Current (A)	CRI	Lumens (LM/PCS)	CCT
MS5070D-A180	Regular	D450 [1.48ft]	180°	15	DC36V	0.375	>80	1483	2700K 3000K 3500K 4000K 5000K 6500K
							>90	1275	
		D600 [1.97ft]	180°	22	DC36V	0.56	>80	2214	
							>90	1904	
		D800 [2.62ft]	180°	28	DC36V	0.7	>80	2767	
							>90	2380	
		D1000 [3.28ft]	180°	36	DC36V	0.9	>80	3558	
							>90	3060	
		D1200 [3.94ft]	180°	44	DC36V	1.125	>80	4448	
							>90	3825	
		D1500 [4.92ft]	180°	55	DC36V	1.4	>80	5535	
							>90	4760	
	High-Efficiency	D450 [1.48ft]	180°	15	DC36V	0.375	>80	1779	
							>90	1530	
		D600 [1.97ft]	180°	22	DC36V	0.56	>80	2657	
							>90	2285	
		D800 [2.62ft]	180°	28	DC36V	0.7	>80	3321	
							>90	2856	
		D1000 [3.28ft]	180°	36	DC36V	0.9	>80	4270	
							>90	3672	
		D1200 [3.94ft]	180°	44	DC36V	1.125	>80	5337	
							>90	4590	
		D1500 [4.92ft]	180°	55	DC36V	1.4	>80	6642	
							>90	5712	

Model	Version	Diameter (mm)	Angle (°)	Type Power (W/PCS)	Input Voltage (V)	Input Current (A)	CRI	Lumens (LM/PCS)	CCT
MS5070P-A180	Regular	D450 [1.48ft]	180°	15	DC36V	0.375	>80	1334	2700K 3000K 3500K 4000K 5000K 6500K
							>90	1148	
		D600 [1.97ft]	180°	22	DC36V	0.56	>80	1993	
							>90	1714	
		D800 [2.62ft]	180°	28	DC36V	0.7	>80	2491	
							>90	2142	
	D1000 [3.28ft]	180°	36	DC36V	0.9	>80	3202		
						>90	2754		
	D1200 [3.94ft]	180°	44	DC36V	1.125	>80	4003		
						>90	3443		
	D1500 [4.92ft]	180°	55	DC36V	1.4	>80	4981		
						>90	4284		
	High-Efficiency	D450 [1.48ft]	180°	15	DC36V	0.375	>80	1557	
							>90	1339	
D600 [1.97ft]		180°	22	DC36V	0.56	>80	2325		
						>90	1999		
D800 [2.62ft]		180°	28	DC36V	0.7	>80	2906		
						>90	2499		
D1000 [3.28ft]	180°	36	DC36V	0.9	>80	3736			
					>90	3213			
D1200 [3.94ft]	180°	44	DC36V	1.125	>80	4670			
					>90	4016			
D1500 [4.92ft]	180°	55	DC36V	1.4	>80	5812			
					>90	4998			

Model	Version	Diameter (mm)	Angle (°)	Type Power (W/PCS)	Input Voltage (V)	Input Current (A)	CRI	Lumens (LM/PCS)	CCT
MS7070D-A180	Regular	D600 [1.97ft]	180°	28	DC36V	0.7	>80	3044	2700K 3000K 3500K 4000K 5000K 6500K
							>90	2618	
		D800 [2.62ft]	180°	44	DC36V	1.12	>80	4871	
							>90	4189	
		D1000 [3.28ft]	180°	47	DC36V	1.2	>80	5219	
							>90	4488	
		D1200 [3.94ft]	180°	59	DC36V	1.5	>80	6523	
							>90	5610	
		D1500 [4.92ft]	180°	75	DC36V	1.9	>80	8263	
							>90	7106	
	High-Efficiency	D600 [1.97ft]	180°	28	DC36V	0.7	>80	3736	
							>90	3213	
		D800 [2.62ft]	180°	44	DC36V	1.12	>80	5978	
							>90	5141	
		D1000 [3.28ft]	180°	47	DC36V	1.2	>80	6405	
							>90	5508	
		D1200 [3.94ft]	180°	59	DC36V	1.5	>80	8006	
							>90	6885	
D1500 [4.92ft]	180°	75	DC36V	1.9	>80	10141			
					>90	8721			

Model	Version	Diameter (mm)	Angle (°)	Type Power (W/PCS)	Input Voltage (V)	Input Current (A)	CRI	Lumens (LM/PCS)	CCT
MS7070P-A180	Regular	D600 [1.97ft]	180°	28	DC36V	0.7	>80	2767	2700K 3000K 3500K 4000K 5000K 6500K
							>90	2380	
		D800 [2.62ft]	180°	44	DC36V	1.12	>80	4428	
							>90	3808	
		D1000 [3.28ft]	180°	47	DC36V	1.2	>80	4744	
							>90	4080	
		D1200 [3.94ft]	180°	59	DC36V	1.5	>80	5930	
							>90	5100	
		D1500 [4.92ft]	180°	75	DC36V	1.9	>80	7512	
							>90	6460	
	High-Efficiency	D600 [1.97ft]	180°	28	DC36V	0.7	>80	3321	
							>90	2856	
		D800 [2.62ft]	180°	44	DC36V	1.12	>80	5313	
							>90	4570	
		D1000 [3.28ft]	180°	47	DC36V	1.2	>80	5693	
							>90	4896	
		D1200 [3.94ft]	180°	59	DC36V	1.5	>80	7116	
							>90	6120	
D1500 [4.92ft]	180°	75	DC36V	1.9	>80	9014			
					>90	7752			

Note:

1. The output data is based on white coated luminaire with Ra80,4000K.
2. The above Lumens data are at 4000K color temperature.
3. High-efficiency version does not do 3500K and 5000K.
4. The tolerance of output data can be vary up to 15%.
5. The type power is with the power supply, the input current is the current of the light source.
6. The output data is typical value.
7. The following is an example of lumen conversion instructions:

CCT	RA	Ratio of lumens (white coated luminaire)	Ratio of lumens (Other coated colors of luminaire)
2700K	80	90%	Calculate white coated luminaire lumens first, then multiply by 90 %
	90	77%	
3000K	80	93%	
	90	80%	
3500K	80	97%	
	90	83%	
4000K	80	100%	
	90	86%	
5000K	80	100%	
	90	86%	
6500K	80	100%	
	90	86%	

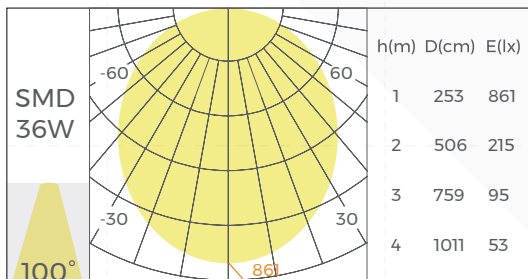
Note: All other lumens are to be based on white coated luminaire with 4000K,RA80(100%),and multiplied by the percentage in the table above.

Assuming a 4000K, RA80 white coated luminaire with 1000lm lumens:

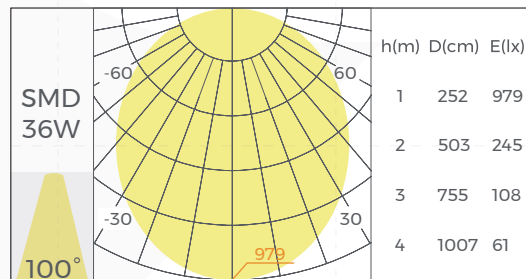
Example 1: If you need 4000K,RA90 lumens (white coated luminaire)	$1000 \times 86\% = 860\text{lm}$
Example 2: If you need 4000K,RA90 lumens (other coated colors of luminaire)	$1000 \times 86\% \times 90\% = 774\text{lm}$
Example 3: If you need 3000K,RA80 lumens (white coated luminaire)	$1000 \times 93\% = 930\text{lm}$
Example 4: If you need 3000K,RA90 lumens (white coated luminaire)	$1000 \times 80\% = 800\text{lm}$
Example 5: If you need 5000K,RA80 lumens (white coated luminaire)	$1000 \times 100\% = 1000\text{lm}$

© Optical Parameter

【MS3570D-A180】



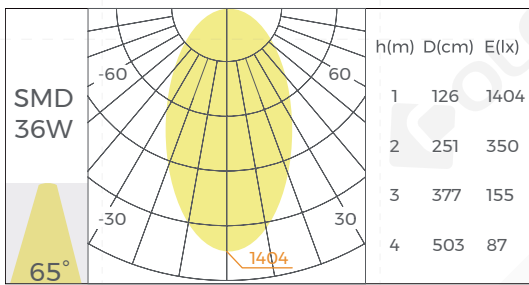
Regular version



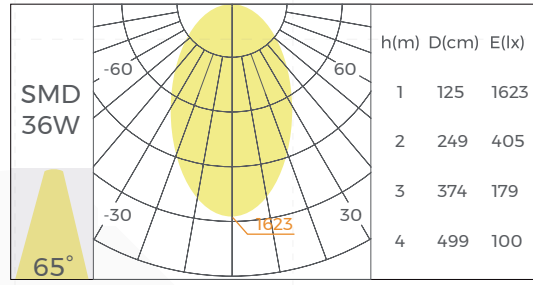
High-efficiency version

*The above data is based on a 1200mm diameter module with Ra80,4000K.

【MS3570P-A180】



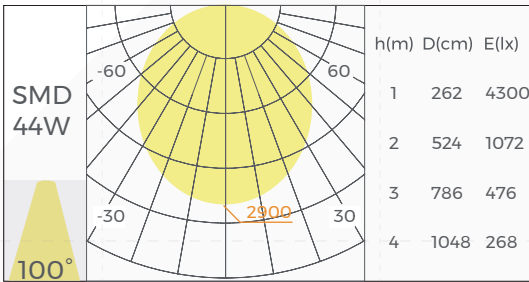
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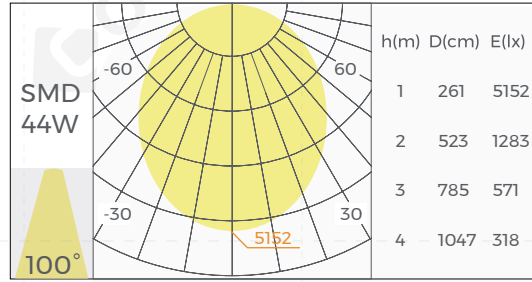
High-efficiency version

*The above data is based on a 1200mm diameter module with Ra80,4000K.

【MS5070D-A180】



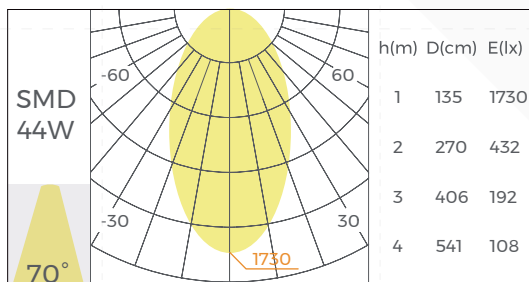
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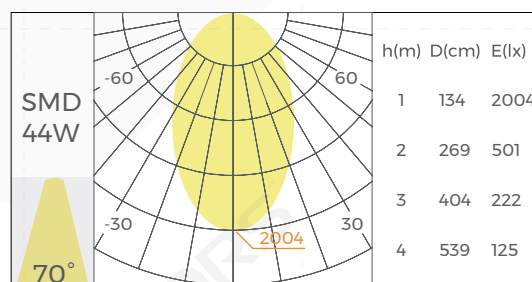
High-efficiency version

*The above data is based on a 1200mm diameter module with Ra80,4000K.

【MS5070P-A180】



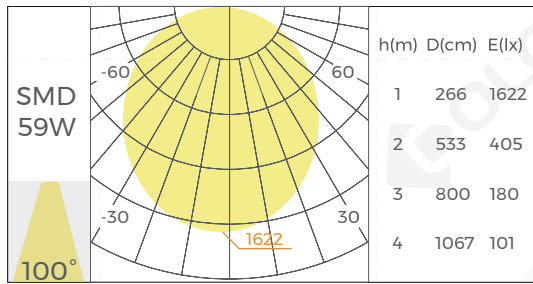
Regular version



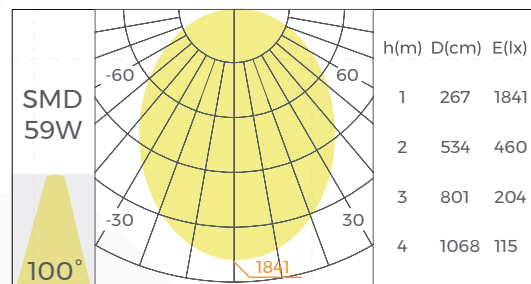
High-efficiency version

*The above data is based on a 1200mm diameter module with Ra80,4000K.

【MS7070D-A180】



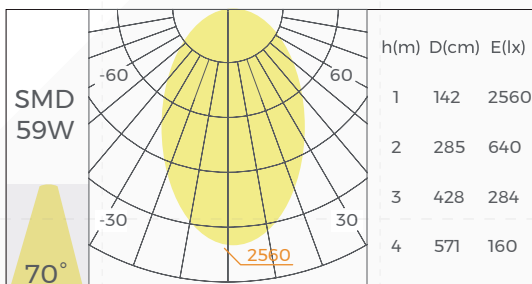
Regular version



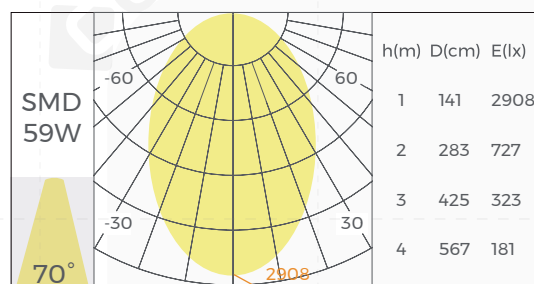
High-efficiency version

*The above data is based on a 1200mm diameter module with Ra80,4000K.

【MS7070P-A180】



Regular version



High-efficiency version
















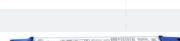

*The above data is based on a 1200mm diameter module with Ra80,4000K.

Note:






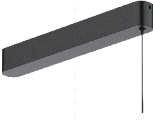
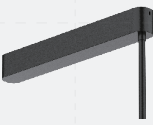

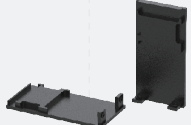
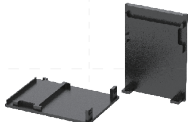
1. The above optical parameters refer to the Line series; only the light-emitting angle can be used as a reference.
2. For specific luminous effects, please use the report input DIALux software in the test report.

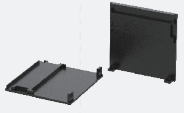
© Common Accessories

Power supply

Picture	Dimming Method	Model	Input Voltage	Output Voltage	Output Current	Size(mm)	Certification
	NO/OFF	LF-GMR020YS0350H(S)	AC220 ~240V 50/60Hz	20-56V	0.2-0.35A	168*30*21	CCC/ENEC/CE/ RCM/UKCA
		LF-GMR040YS0700H(S)		20-56V	0.35-0.7A	210*30*21	
		LF-GMR040YS1050H(S)		20-38V	0.7-1.05A	210*30*21	
		LF-GMR060YS1550H(S)		20-39V	1.2-1.55A	280*30*21	
		LF-GMR060YS II		33-42V	1.15A	245*30*21	
		LF-GMR080YS II		33-42V	1.6/1.7/1.8 /1.9/2A	245*30*21	
	0-10V	LF-GLD025YE	AC220 ~240V 50/60Hz	25-42V	0.3/0.35/0.4 /0.45/0.5/0.55A	245*30*21	CCC/ENEC/CE/ RCM/UKCA
		LF-GLD035YE		25-42V	0.6/0.65/0.7 /0.75/0.8A	245*30*21	
		LF-GLD045YE		25-42V	0.85/0.9/1 /1.05A	245*30*21	
		LF-GLD055YE		25-42V	1.1/1.15/1.2 /1.3A	285*30*21	
		LF-GLD065YE		25-42V	1.35/1.4/1.5 /1.55A	285*30*21	
		LF-GLD080YE		25-40V	1.6/1.7/1.8/1.9/2A	355*30*21	
	DALI	LF-GSD020YE	AC220 ~240V 50/60Hz	25-42V	0.25-0.5A (50mA)	245*30*21	CCC/ENEC/CE/ RCM/UKCA
		LF-GSD030YE		25-42V	0.55-0.75A (50mA)	245*30*21	
		LF-GSD040YE		25-42V	0.8-1.05A (50mA)	245*30*21	
		LF-GSD060YE		25-42V	1.1-1.5A (50mA)	285*30*21	
		LF-GSD080YE		25-42V	1.55-2.0A (50mA)	355*30*21	

Installation accessories

Picture	Name	Model	Description
	Ceiling	CL-28	Suitable for MS3570/MS5070/MS7070/MS3570/MS5070/MS7070 ceiling accessory 2 pcs/set
	Pendant cable	PN-D	Steel Wire Rope: 2M Maximum weight capacity: 17.5Kg 2 pcs/set
	Pendant rod	PG-I	Rod Size: 1-2 meter adjustable
	Ceiling plate (Incl. wire)	PN-P	Ceiling Plate: D88*29mm Open hole: D75mm Maximum current capacity: 4A Maximum weight capacity: 3Kg Wire Size: D3*2000mm Suitable for MS3570/MS5070/MS7070/MS3570/MS5070/MS7070 pendant input line
	Ceiling plate (Incl. rod&wire)	PG-P	Ceiling Plate: D88*29mm Open hole: D75mm Maximum current capacity: 4A Maximum weight capacity: 3Kg Rod Size: 1-2 meter adjustable Wire Size: D3*2000mm Suitable for MS3570/MS5070/MS7070/MS3570/MS5070/MS7070 pendant input line
	Linear power Box (Incl. wire)	PB-07	Power Box: L400*W55*H50mm Maximum current capacity: 4A Maximum weight capacity: 8Kg Wire Size: D3*2000mm Suitable for MS3570/MS5070/MS7070/MS3570/MS5070/MS7070 pendant input line
	Linear power box (Incl. rod&wire)	PB-08	Power Box: L400*W55*H50mm Maximum current capacity: 4A Rod Size: 1-2 meter adjustable Wire Size: D3*2000mm Suitable for MS3570/MS5070/MS7070/MS3570/MS5070/MS7070 pendant input line
	Input line	CM-24	Wire Size: D3*2000mm Maximum current capacity: 4A Maximum weight capacity: 8Kg Suitable for MS3570/MS5070/MS7070/MS3570/MS5070/MS7070 ceiling and MS3570/MS5070/MS7070 recessed input line
	End Caps	EC-MS3570	Material:AL6063-T5 Size:L70*W35*H2.5mm
	End Caps	EC-MS5070	Material:AL6063-T5 Size:L70*W50*H2.5mm

	End Caps	EC-MS7070	Material:AL6063-T5 Size:L70*W70*H2.5mm
	Pendant cilps	CP-53	Material:SUS304 Size:L22.67*W20*H5.3mm Suitable for MS3535/MS3570 Pendant clips
	Pendant cilps	CP-54	Material:SUS304 Size:L37.87*W20*H5.4mm Suitable for MS5035/MS5070 Pendant clips
	Pendant cilps	CP-55	Material:SUS304 Size:L57.87*W20*H5.4mm Suitable for MS7035/MS7070 Pendant clips

Note:

1. The modules are manufactured with splicing accessories and terminals.
2. All standard modules can only use the power supply external solution, the above installation accessories for power supply external.

Non-Directional Terminal Design

Non-directional terminal design that simplifies and enhances the efficiency of electrical connections between modules.

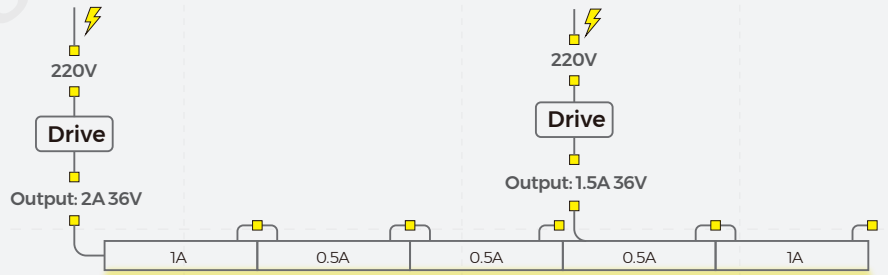
① Calculated Molding Current

Model Total Current

$$\frac{1A+0.5A+0.5A+0.5A+1A=3.5A}{2A \quad 1.5A}$$

② Select Power Supply

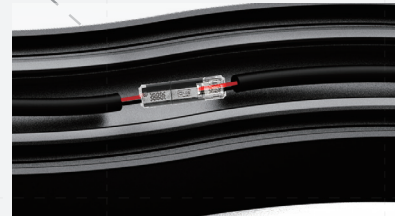
Drive
Output: 2A & 1.5A



MAX CURRENT: 2A

The total current of the design should be consistent with the output current of the power supply

AC 220V



Non-directional

Note:

1. The above electrical connection modeling is a 35mm luminaire height demonstration only to show the non-directional terminal design.
2. The above graphic explains how to select the right power supply by calculating the current

◎ Packing

Model	Quantity (/inner box)	Quantity (PCS/carton)	NW (kg/carton)	GW (kg/carton)	Size (mm/carton)
MS3570DDO450A180(R) -X840W013	1	6	4.87	8.64	490*500*360 [19.29**19.68**14.17"]
MS3570DDO600A180(R) -X840W018	1	6	6.50	10.50	650*660*360 [25.59**25.98**14.17"]
MS3570DDO800A180(R) -X840W024	-	6	8.67	13.08	850*860*360 [33.46**33.85**14.17"]
MS3570DD1000A180(R) -X840W030	-	6	10.83	15.96	1050*550*720 [41.33**21.65**28.34"]
MS3570DD1200A180(R) -X840W036	-	6	13.00	18.30	1250*650*720 [49.21**25.59**28.34"]
MS3570DD1500A180(R) -X840W047	-	6	16.25	21.84	1550*800*720 [61.02**31.49**28.34"]
MS5070DDO450A180(R) -X840W015	1	6	5.93	9.90	490*500*360 [19.29**19.68**14.17"]
MS5070DDO600A180(R) -X840W022	1	6	7.91	12.00	650*660*360 [25.59**25.98**14.17"]
MS5070DDO800A180(R) -X840W028	-	6	10.55	13.80	850*860*360 [33.46**33.85**14.17"]
MS5070DD1000A180(R) -X840W036	-	6	13.19	18.00	1050*550*720 [41.33**21.65**28.34"]
MS5070DD1200A180(R) -X840W044	-	6	15.83	20.70	1250*650*720 [49.21**25.59**28.34"]
MS5070DD1500A180(R) -X840W055	-	6	19.78	24.60	1550*800*720 [61.02**31.49**28.34"]
MS7070DDO600A180(R) -X840W028	1	6	8.76	12.30	650*660*360 [25.59**25.98**14.17"]
MS7070DDO800A180(R) -X840W044	-	6	11.68	15.84	850*860*360 [33.46**33.85**14.17"]
MS7070DD1000A180(R) -X840W047	-	6	14.60	19.56	1050*550*720 [41.33**21.65**28.34"]

Model	Quantity (/inner box)	Quantity (PCS/carton)	NW (kg/carton)	CW (kg/carton)	Size (mm/carton)
MS7070DD1200A180(R) -X840W059	-	6	17.52	23.04	1250*650*720 [49.21"*25.59"*28.34"]
MS7070DD1500A180(R) -X840W075	-	6	21.90	27.12	1550*800*720 [61.02"*31.49"*28.34"]

Note:

1. The above weight data is for reference, the exact data should be based on the weight of the physical weighing shall prevail.
2. Only the D450/D600 sizes use the inner box packaging.

Model Code

M	S	3570	D	D1200	A180	(R)	-	X	8	40	B	-	036
Type M: Module	Installation E: Recessed S: Ceiling/Pendant	Size 3570: 32mm: Surface width of module 70mm: Height of module	Optical Type D: Diffuser P: Prismatic	Diameter D1200: 1200mm	Corner Angle A180:180°	Version (R): Regular (H): High-efficiency		Dimming Method X: No power N: Non-dimming D: 1-10V A: DALI	CRI 8: Ra>80 9: Ra>90	CCT 27: 2700K 30: 3000K 40: 4000K	Color B: Black W: White S: Silver		Type power 036: 56W

Attentions

1. Non-professionals are prohibited from installing, disassembling and repairing the product.
2. Avoid scratching, distortion and irregular bending of the product during installation; otherwise it may cause irreparable damage to the product.
3. Please use professional cutting tools when cutting
4. Do not use any acid or alkaline adhesive to fix products
5. The product is only suitable for indoor dry places, can not be used in outdoor, seaside or wet environment.
6. PC features: Each 10°C rise or drop will make diffuser extend or shrink 0.8mm/m, please confirm before processing and use