

Specification

PRODUCT FAMILY: Meta E 3CCT Spotlights Specification(US)

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GENERAL GUIDELINES

Products Description

Meta series spotlights are a big and strong product family, it includes Meta 2 Pro DUAL(AI tech., 2 x built-in sensor), Meta 2 Pro (AI tech., 1 x built-in sensor), Meta 2 (AI tech., without built-in sensor), Meta E 3CCT (CCT switchable, Lumen switchable) and Meta E (Lumen switchable).

Meta E 3CCT is a high performance

portfolio dedicated to architectural lighting segment, provides super high quality of light with flicker free driver and glare free optics. No visible screw, sleek and compact cylinder housing and intrack driver design, makes the product looks very charming.

Equipped with multi CCT and multi power technology, it can be 3000K/3500K/4000K CCT switchable and 35W/30W/25W switchable, 25W/20W/15W switchable and 15W/10W/5W switchable, this reduce your SKUs and inventory, and shorter time to project.

Meta E 3CCT can satisfy diversified customer's requirement, it can be track, surface and pendant mounted, offers 15° ,24° ,36° and 50° beam angle, 360° rotation and 90° adjustable, makes it easy to be installed and suitable for different application.



Features Highlight

- ✓ 3000K-3500K-4000K 3CCT switchable
 - ✓ 35W/30W/25W switchable, 25W/20W/15W switchable and 15W/10W/5W switchable
 - ✓ 4 beam angle: 15° , 24° , 36° and 50°
 - ✓ No side glare, darklight optics for highest visual comfort with 30° shielding angle
 - ✓ Intrack driver, better looking after installation
 - ✓ Flicker Free according to ErP 2024: SVM<0.4, Pst<1, IEEE 1789: <3% flicker percentage, no stroboscopic effect
 - ✓ 360° rotation (horizontal), 90° adjustable (vertical)
 - ✓ Three different dimension, D60mm for 15W, D70mm for 25W and D80mm for 35W
 - ✓ Two Different finish: texture white and texture black
 - ✓ Sleek, compact cylinder housing and no visible screws
 - ✓ 4 different installations: track spotlight, track pendant light, canopy pendant light and surface lights
- * Under development, not ready for market

Applications

Fashion shop, food store, car deal, furniture store, art-gallery, museum, etc

Products Datasheet

MODEL		Meta E 3CCT 15W Series			Meta E 3CCT 25W Series			Meta E 3CCT 35W Series		
		61015.1(H) 61042.1(J)	62014	63012	61016.1(H) 61043.1(J)	62015	63013	61017.1(H) 61044.1(J)	62016	63014
Installations	Installations type	Track (2wire1circuit)	Surface	Pendant	Track (2wire1circuit)	Surface	Pendant	Track (2wire1circuit)	Surface	Pendant
	Rotation ¹	360° (X-axis) 90° (Y-axis)	360°(X-axis) 90° (Y-axis)	Non	360° (X-axis) 90° (Y-axis)	360°(X-axis) 90° (Y-axis)	Non	360°(X-axis) 90°(Y-axis)	360°(X-axis) 90° (Y-axis)	Non
Electrical	Input voltage	120Vac			120Vac			120Vac		
	Input current	170mA Max.			230mA Max.			350mA Max.		
	Frequency	60Hz			60Hz			60Hz		
	Input power ²	5W / 10W / 15W			15W / 20W / 25W			25W / 30W / 35W		
	Displacement Factor ³	0.95 type.			0.95 type.			0.95 type.		
	I-THD ³	<15%			<15%			<15%		
	Inrush current ³	3A			5A			7A		
	Inrush current time ³	85uS			135uS			150uS		
	Starting time ³	<0.5S			<0.5S			<0.5S		
	Turn off time	<1S			<1S			<1S		

	Noise ⁴	<21dB	<21dB	<21dB	
Optics	CCT ⁵	3000K-3500K-4000K	3000K-3500K-4000K	3000K-3500K-4000K	
	Lumen	1300lm@3500K	2000lm@3500K	3100lm@3500K	
	Lumen efficacy	86lm/w	80lm/w	88lm/w	
	Beam angle	15° / 24° / 36° / 50°	15° / 24° / 36° / 50°	15° / 24° / 36° / 50°	
	CBCP	7100cd@15deg,3500K	19500cd@15deg,3500K	29200cd@15deg,3500K	
Control	Dimming control mode	TRIAC and ELV dimmable			
Environment ⁷	Ambient temperature range ₆	-10°C ~ +35°C			
	Relative humidity range	20% ~ 85%RH			
	Storage temperature range	-25°C ~ +75°C			
20Vac input, on miniature circuit breaker(MCB)	MCB TYPE B	10A	38pcs	28pcs	18pcs
		16A	61pcs	45pcs	30pcs
		20A	76pcs	56pcs	37pcs
	MCB TYPE C	10A	44pcs	32pcs	21pcs
		16A	70pcs	52pcs	34pcs
		20A	88pcs	65pcs	43pcs
Others	Dimension	D60 x 105mm	D70 x 135mm	D80 x 160mm	
	Finish Color	Texture white or Texture black			
	Lifetime(hrs)@ta=25°C	>50,000H			
	Driver type	Isolation Class2(SELV)			
	Luminaries type	Class II			
	ON/OFF switches cycle	100,000			
	Warranty years	5 years			

" 1" X- axis rotation: horizontal rotation, Y- axis rotation: vertical rotation.

" 2" The input power can be adjusted through the DIP switch on the luminaries, please be sure to cut off the power before operation .

" 3" The test data for 120Vac input voltage, maximum output power.

" 4" The noise of luminaries is defined as test data when luminaries tested in noise room with 50~60dB environment, and been hang in 305mm inside chamber.

" 5" The color temperature can be adjusted through the toggle switch on the luminaries.

" 6" Not suitable for use in totally enclosed environment.

" 7" Luminaries should not be stored and used in corrosive environments or in environments containing hazardous substances such as sulfide, halides, phthalates, etc.

Photometric

Data sheet below measured by sensing GMS-1800 according to CIE or IESNA. At Ta=25°C, initial testing.

Please be noted that, the light output is changing according to the detected commodity or by the App setting.

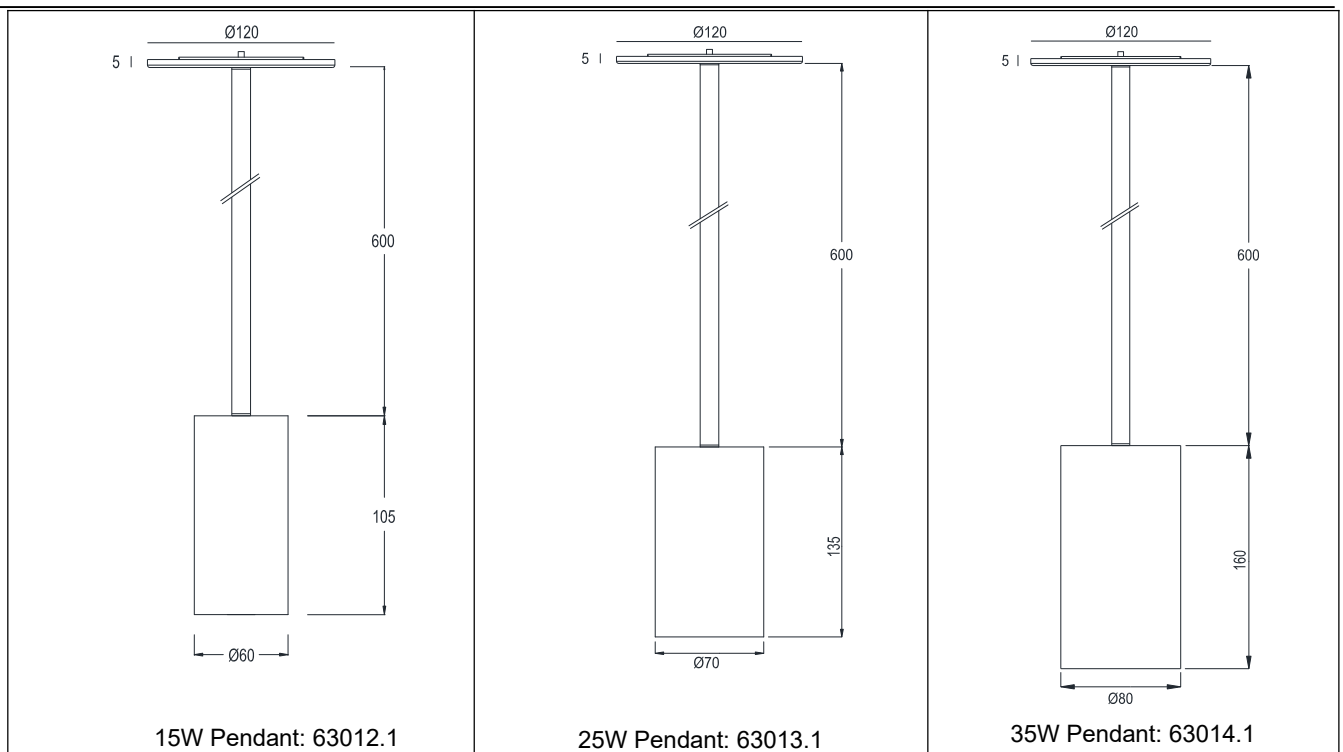
Optical test data (Beam Angle, Lumen, CBCP)					
Power	CCT	Beam	Measured Beam	Lumen	CBCP
15W Series	3000K	15°	18.9°	1200Lm	6600cd
		24°	25.2°	1200Lm	4700cd
		36°	33.5°	1200Lm	2800cd
		50°	50.7°	1000Lm	1700cd
	3500K	15°	18.9°	1300Lm	7100cd
		24°	25.2°	1300Lm	5100cd
		36°	33.5°	1300Lm	3100cd
		50°	49.7°	1100Lm	1900cd
25W Series	3000K	15°	15°	1900Lm	18000cd
		24°	23.5°	1900Lm	8800cd
		36°	34.5°	1900Lm	4800cd
		50°	49.5°	1700Lm	2800cd
	3500K	15°	15°	2000Lm	19500cd
		24°	23.5°	2000Lm	9500cd
		36°	34.5°	2000Lm	5200cd
		50	51.5°	1700Lm	3000cd
35W Series	3000K	15°	16°	3000lm	27000cd
		24°	22.5°	3000lm	17200cd
		36°	34.5°	3000lm	9000cd
		50°	51.6°	2350lm	4000cd
	3500K	15°	16°	3100lm	29200cd
		24°	22.5°	3100lm	18800cd
		36°	34.5°	3100lm	9800cd
		50	51.6°	2400lm	4200cd

Optical test data (Lux distance Curve)

15W - 3000K - 15°		15W - 3000K - 24°		15W - 3000K - 36°		
1.0m	6620.1, 4769.9 lx	37.90cm	4792.6, 3298.6 lx	48.16cm	2779.2, 1962.2 lx	68.07cm
2.0m	1655.0, 1192.5 lx	75.80cm	1198.1, 824.6 lx	96.32cm	694.8, 490.5 lx	136.15cm
3.0m	735.6, 530.0 lx	113.69cm	532.5, 366.5 lx	144.49cm	308.8, 218.0 lx	204.22cm
4.0m	413.8, 298.1 lx	151.59cm	299.5, 206.2 lx	192.65cm	173.7, 122.6 lx	272.30cm
5.0m	264.8, 190.8 lx	189.49cm	191.7, 131.9 lx	240.81cm	111.2, 78.5 lx	340.37cm
6.0m	183.9, 132.5 lx	227.39cm	133.1, 91.6 lx	288.97cm	77.2, 54.5 lx	408.44cm
7.0m	135.1, 97.3 lx	265.29cm	97.8, 67.3 lx	337.13cm	56.7, 40.0 lx	476.52cm
8.0m	103.4, 74.5 lx	303.18cm	74.9, 51.5 lx	385.30cm	43.4, 30.7 lx	544.59cm
9.0m	81.7, 58.9 lx	341.08cm	59.2, 40.7 lx	433.46cm	34.3, 24.2 lx	612.67cm
10.0m	66.2, 47.7 lx	378.98cm	47.9, 33.0 lx	481.62cm	27.8, 19.6 lx	680.74cm

MECHANICAL(Unit: mm)

<p>15W Track(H): 61015.1</p>	<p>25W Track(H): 61016.1</p>	<p>35W Track(H): 61017.1</p>
<p>15W Track(J): 61042.1</p>	<p>25W Track(J): 61043.1</p>	<p>35W Track(J): 61044.1</p>
<p>15W Surface: 62014.1</p>	<p>25W Surface: 62015.1</p>	<p>35W Surface: 62016.1</p>



Ordering data

Product Name	Model	Dimension	Gross Weight	Net Weight	Qty/Carton
15W Meta E 3CCT Track light(H)	61015.1	425 x 305 x 385mm	13.5kg	11kg	20pcs
15W Meta E 3CCT Track light(J)	61042.1	425 x 305 x 385mm	13.5kg	11kg	20pcs
15W Meta E 3CCT Surface spotlight	62014.1	760 x 440 x 205mm	8.5kg	6.5kg	10pcs
15W Meta E 3CCT Pendant light	63012.1	870 x 400 x 215mm	11.5kg	9kg	10pcs
25W Meta E 3CCT Track light(H)	61016.1	500 x 305 x 275mm	10kg	8kg	12pcs
25W Meta E 3CCT Track light(J)	61043.1	500 x 305 x 275mm	10kg	8kg	12pcs
25W Meta E 3CCT Surface spotlight	62015.1	395 x 315 x 420mm	12kg	9.5kg	10pcs
25W Meta E 3CCT Pendant light	63013.1	870 x 350 x 195mm	11kg	8kg	8pcs
35W Meta E 3CCT Track light(H)	61017.1	305 x 285 x 485mm	10.5kg	8.3kg	10pcs
35W Meta E 3CCT Track light(J)	61044.1	305 x 285 x 485mm	10.5kg	8.3kg	10pcs
35W Meta E 3CCT Surface spotlight	62016.1	775 x 375 x 235mm	13 kg	10kg	10pcs
35W Meta E 3CCT Pendant light	63014.1	850 x 335 x 175mm	12.5kg	9.5kg	8pcs

VERSION #

#	MODIFICATIONS	Date.
1	Version 1: New create	2023-03-30
2		
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