

**Ledionopto**

Professional **LED Lighting** solution



**Ledionopto Lighting, Inc.**

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2014 v.1

[www.ledionopto-lighting.com](http://www.ledionopto-lighting.com)



## Our Vision

We have only one earth. Everyone can devote time to preserving the environment.

By using one LED light bulb every day, we can save energy, and reduce power consumption and carbon dioxide emission.

Ledionopto Lighting has the mission to “guard the earth” and to develop the LED semi conductor business, replacing traditional, energy consuming tungsten lamps. We research and develop energy saving and high safety LED lighting products, leading the world to promote a green revolution. Throughout the world’s lighting market, Ledionopto already sells into more than seventy countries.

This confirms our leading status within the green energy and low carbon industry.

Ledionopto Lighting constantly devotes time to researching and developing new technologies in the field of “green lighting”. We have high specification laboratory equipment and expert engineers in the electrical and optical fields. We design high efficiency and low energy consuming LED lighting products with foresight, vision and flexible creativity to accomplish the mission of caring for the earth.

## Company Introduction

Ledionopto Lighting is an expert company dedicated in creating practical solid state lighting (SSL) products. With proficiency in LED technology, optical and thermal engineering, all Ledionopto Lighting products are highly integrated and carry the highest industry standards in performance and reliability.

Established in 2008.07

Headquartered in Taipei, Taiwan

Paid-In Capital: USD 5.2 Million

Major Product: LED Downlight / LED Spotlight / LED Pendant Lighting / LED Track Light

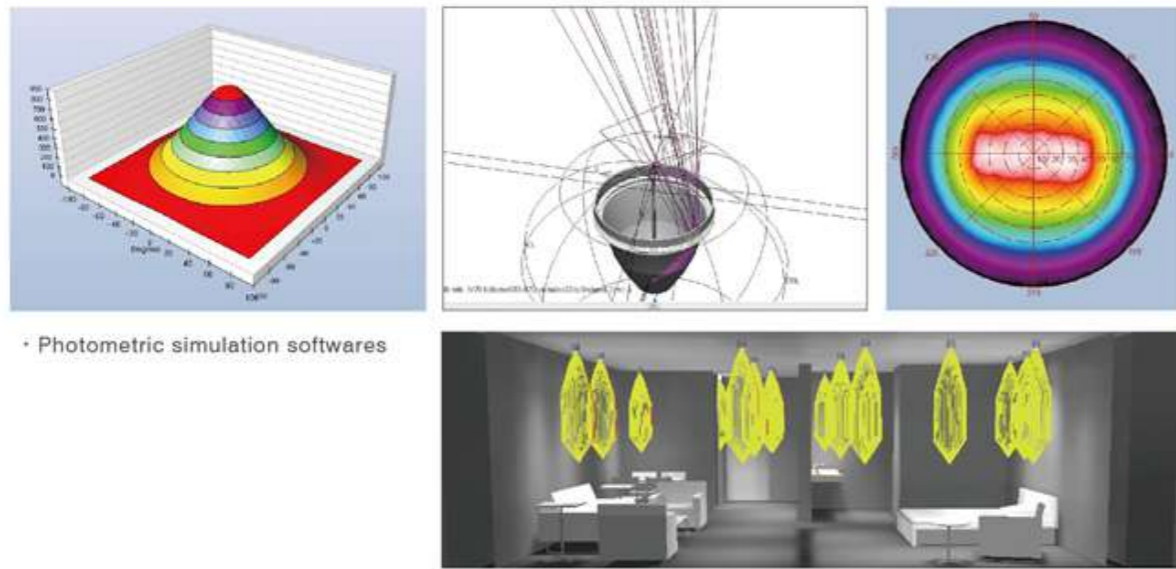
## Testing Instruments



# Technical Expertise

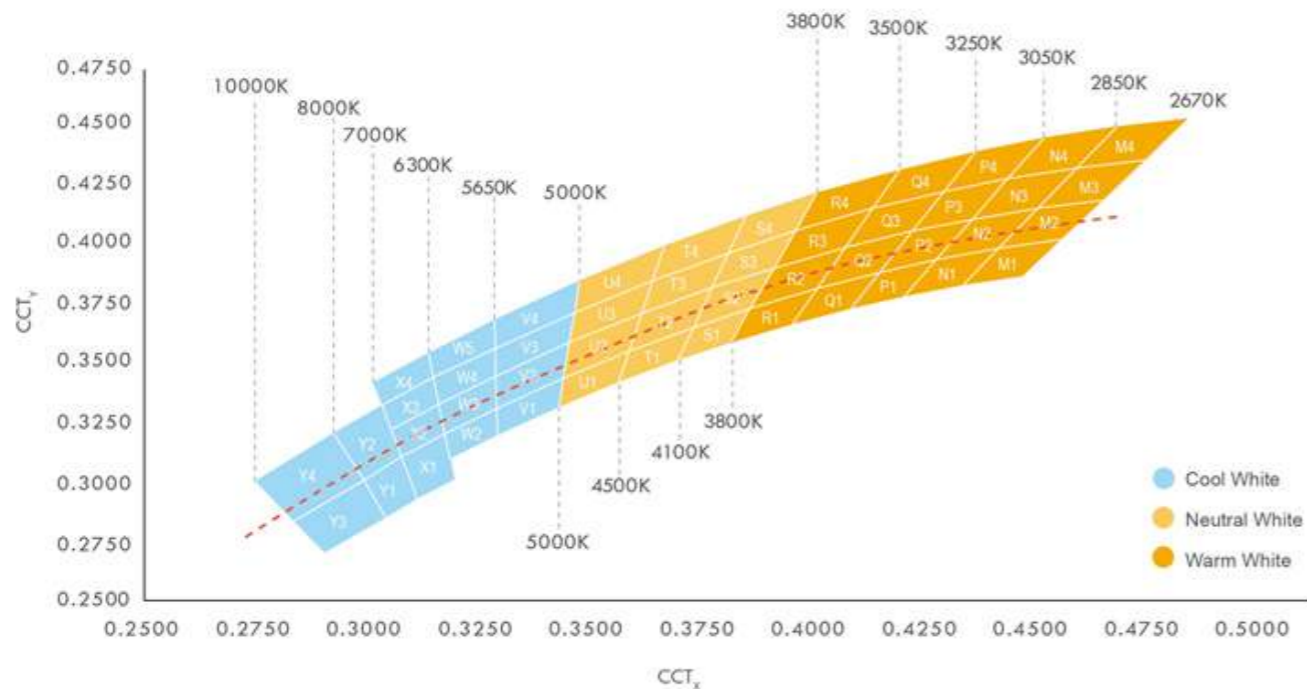
- Optical Technology

Ledionopto simulates our own secondary optics and collaborates with manufacturers to produce the optical object. Our products come in a wide range of optical choices, to meet different environmental needs. We continuously devote to developing high quality secondary optics for LED fixtures. Consequently, the products of Ledionopto have uniform light distribution and high efficiency light output.



· Photometric simulation softwares

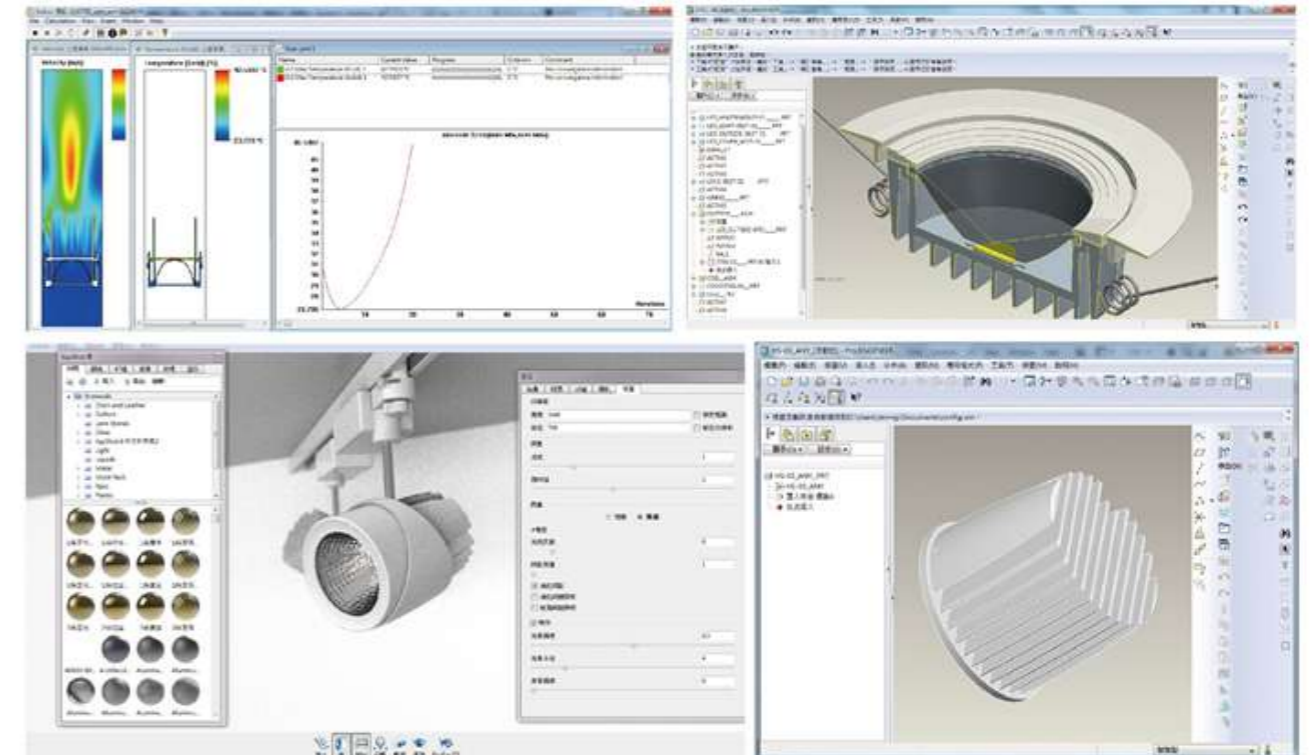
- CCT Ranks



- Thermal Management and Mechanical Design

Efficient thermal management is related to product reliability and lifetime. Lumen drops with rising operating temperature, thus thermal management is vital to LED products. Efficient thermal management can guarantee the long life of LED. This is why we use the latest passive cooling technique to design products. A large heatsink cannot generally be considered an efficient thermal system. An effective dissipation design should connect to thermal convection and thermal radiation at the same time.

Within the scope of quality, we are also dedicated in researching product design. Thus, an efficient and elegant heatsink is produced. Easy installation is also an important task for mechanical design. Users can change the optics by themselves for various applications. Our unique design also garnered several awards, including the Good Design (JP), Taiwan Excellence and Golden Pin in 2013 and 2014. Meanwhile, our products also acquired an amount of worldwide Utility patents by years of experience in thermal technique and mechanics improvement.



· Simulation Softwares

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## Initio Series

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40W Robot Light  
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017-018



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15W/20W TD36  
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6" COB Downlight  
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12W PAR30F / 17W PAR38F  
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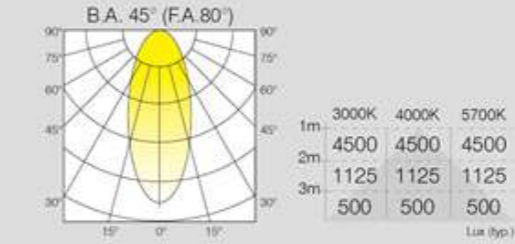
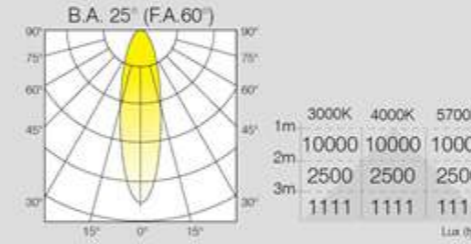
The first LED Track Light completely replaces 70W Metal halide!!

## Initio Series 40W Track Light

Black  
White

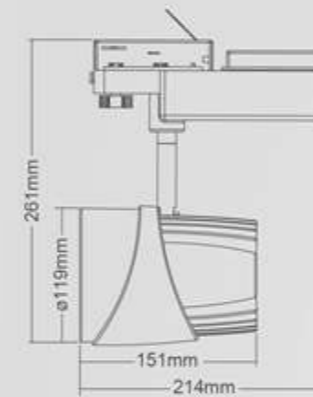


AC 100V-240V  
CRI : 80  
Weight : 1100g



Part Number	Beam Angles	Field Angles	CCT	Lux@1m (Typ.)	Lm(Typ.)
TL-4061xxx	25°	60°	5700K	10000	3500
TL-4062xxx			4000K		
TL-4063xxx			3000K		
TL-4081xxx	45°	80°	5700K	4500	3500
TL-4082xxx			4000K		
TL-4083xxx			3000K		

Notes: 1. The photometric data were measured at initial state. (T<sub>a</sub>=25°C)  
2. Specifications are subject to change without notice. Please refer to the datasheets for final specifications.





www.ikari.com.tw

Innovation  
Keep Going  
Advancement  
Remarkable  
Inspiration



Multiple Uses

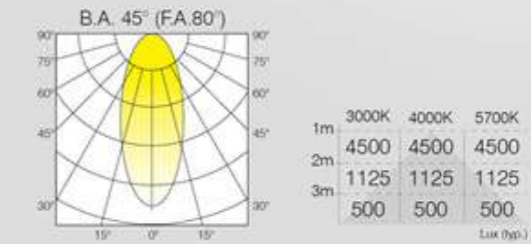
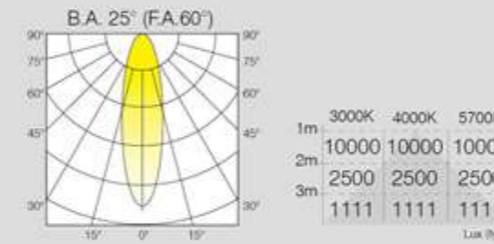


### Initio Series 40W Robot Light

■ Black  
□ White

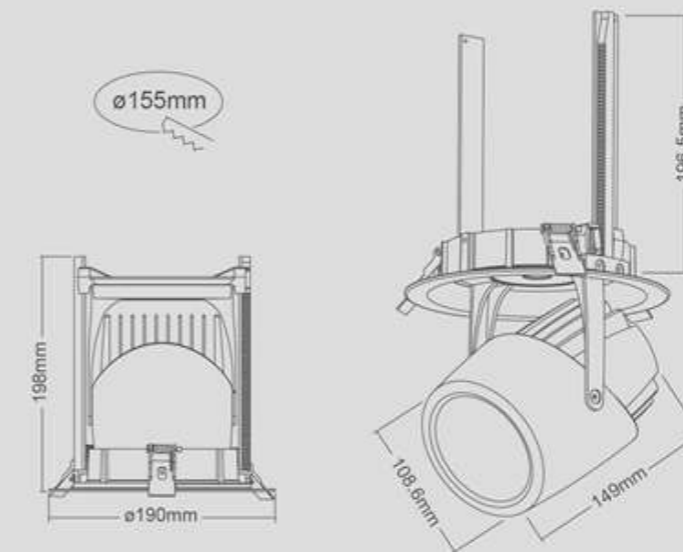


DC 40V, 1.05A  
CRI : 80  
Weight : 1400g



Part Number	Beam Angles	Field Angles	CCT	Lux@1m (Typ.)	Lm(Typ.)
RL-4061xx	25°	60°	5700K	10000	3500
RL-4062xx			4000K		
RL-4063xx			3000K		
RL-4081xx	45°	80°	5700K	4500	3500
RL-4082xx			4000K		
RL-4083xx			3000K		

Notes: 1. The photometric data were measured at initial state. (TA=25°C)  
2. Specifications are subject to change without notice. Please refer to the datasheets for final specifications.









Ultra Thin  
32 mm

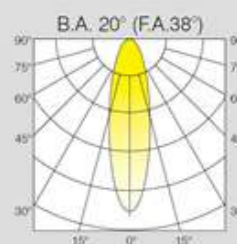
## G2 7W TD20 White



DC 21V, 350mA

CRI : 80

Weight : 180g



	3000K	4000K	5700K
1m	3800	3800	3800
2m	950	950	950
3m	425	425	425

Lux (Typ.)



Part Number	Beam Angles	Field Angles	CCT	Lux@1m (Typ.)	Lm(Typ.)
G2TD20-0731xx			5700K		
G2TD20-0732xx	20°	38°	4000K	3800	700
G2TD20-0733xx			3000K		

Notes: 1. The photometric data were measured at initial state. (T<sub>a</sub>+25°C)  
2. Specifications are subject to change without notice. Please refer to the datasheets for final specifications.





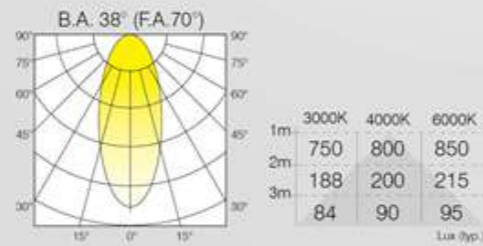
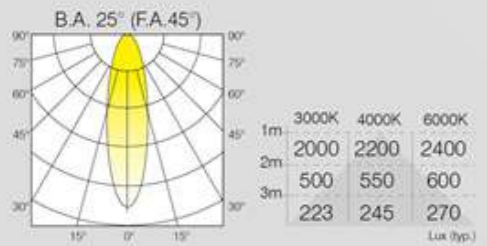


### 5W TD16

White | Alu. brushed  
Silver



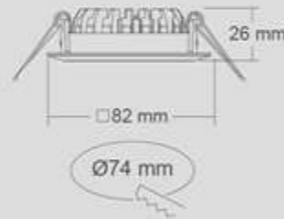
DC 16V, 350mA  
CRI: CW75, NW80, WW80  
Weight : 120g



Circle Tiltable Type



Square Tiltable Type



Part Number	Beam Angles	Field Angles	CCT	Lux@1m (Typ.)	Lm(Typ.)
TD16C-0541xx	25°	45°	6000K	2400	420
TD16C-0542xx			4000K	2200	390
TD16C-0543xx			3000K	2000	350
TD16C-0571xx	38°	70°	6000K	850	420
TD16C-0572xx			4000K	800	390
TD16C-0573xx			3000K	750	350

Notes: 1. The photometric data were measured at initial state, (T<sub>a</sub>=25°C)  
2. Specifications are subject to change without notice. Please refer to the datasheets for final specifications.





### 7W TD20

White Alu. brushed  
Silver

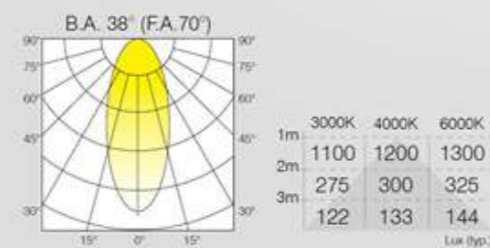
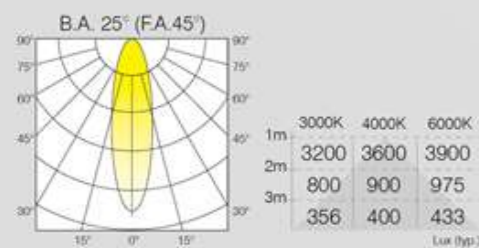


DC 21V, 350mA

CRI: CW75, NW80, WW80

Weight : 170g @Tiltable type

140g @Fixed type

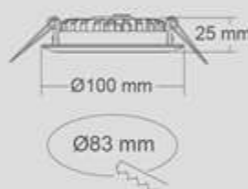


Circle Fixed Type



Part Number	Beam Angles	Field Angles	CCT	Lux@1m (Typ.)	Lm(Typ.)
TD20C-0741xx	25°	45°	6000K	3900	680
TD20C-0742xx			4000K	3600	640
TD20C-0743xx			3000K	3200	580
TD20C-0771xx	38°	70°	6000K	1300	680
TD20C-0772xx			4000K	1200	640
TD20C-0773xx			3000K	1100	580

Circle Tiltable Type



Square Tiltable Type



Notes: 1. The photometric data were measured at initial state. (T<sub>a</sub>=25°C)  
2. Specifications are subject to change without notice. Please refer to the datasheets for final specifications.

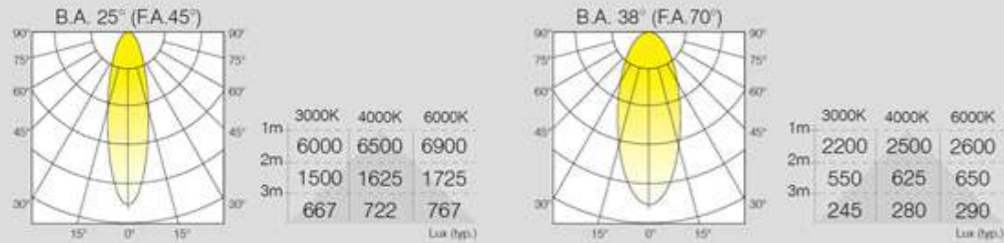


# 15W TD36

White Alu. brushed Silver

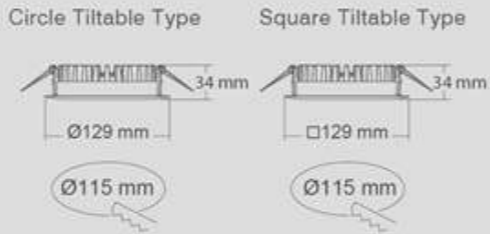
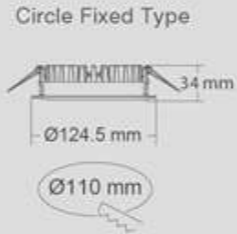


DC 21V, 700mA  
 CRI: CW75, NW80, WW80  
 Weight : 350g @Tiltable type  
 310g @Fixed type



Part Number	Beam Angles	Field Angles	CCT	Lux@1m (Typ.)	Lm(Typ.)
TD36C-1541xx	25°	45°	6000K	6900	1380
TD36C-1542xx			4000K	6500	1270
TD36C-1543xx			3000K	6000	1160
TD36C-1571xx	38°	70°	6000K	2600	1380
TD36C-1572xx			4000K	2500	1270
TD36C-1573xx			3000K	2200	1160

Notes: 1. The photometric data were measured at initial state. (T<sub>a</sub>=25°C)  
 2. Specifications are subject to change without notice. Please refer to the datasheets for final specifications.

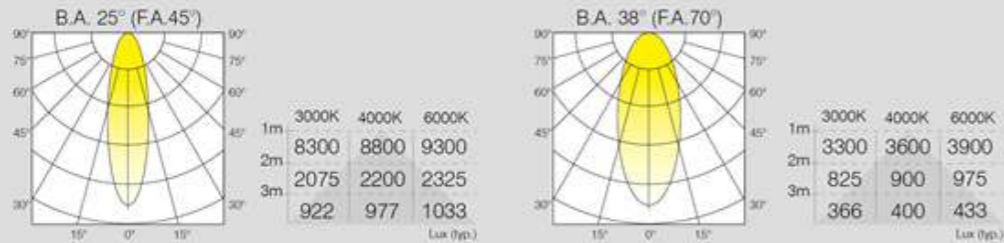


# 20W TD36

White Alu. brushed Silver

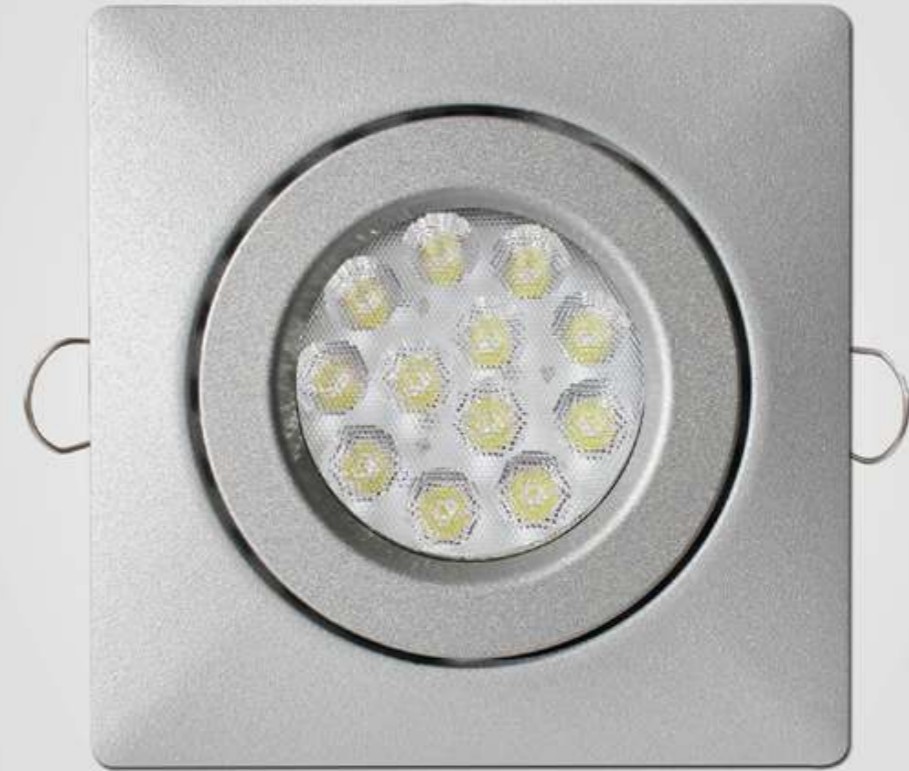
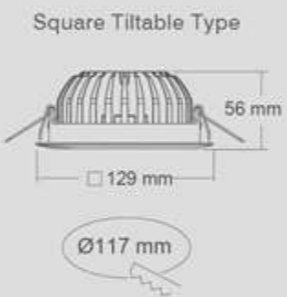
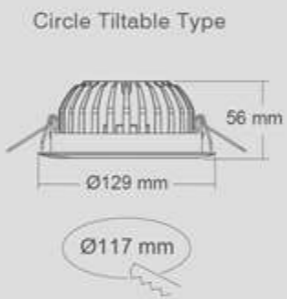


DC 21V, 1050mA  
 CRI: CW 75, NW 80, WW 80  
 Weight : 570g



Part Number	Beam Angles	Field Angles	CCT	Lux@1m (Typ.)	Lm(Typ.)
TD36C-2041xx	25°	45°	6000K	9300	2000
TD36C-2042xx			4000K	8800	1880
TD36C-2043xx			3000K	8300	1750
TD36C-2071xx	38°	70°	6000K	3900	2000
TD36C-2072xx			4000K	3600	1880
TD36C-2073xx			3000K	3300	1750

Notes: 1. The photometric data were measured at initial state. (T<sub>a</sub>=25°C)  
 2. Specifications are subject to change without notice. Please refer to the datasheets for final specifications.





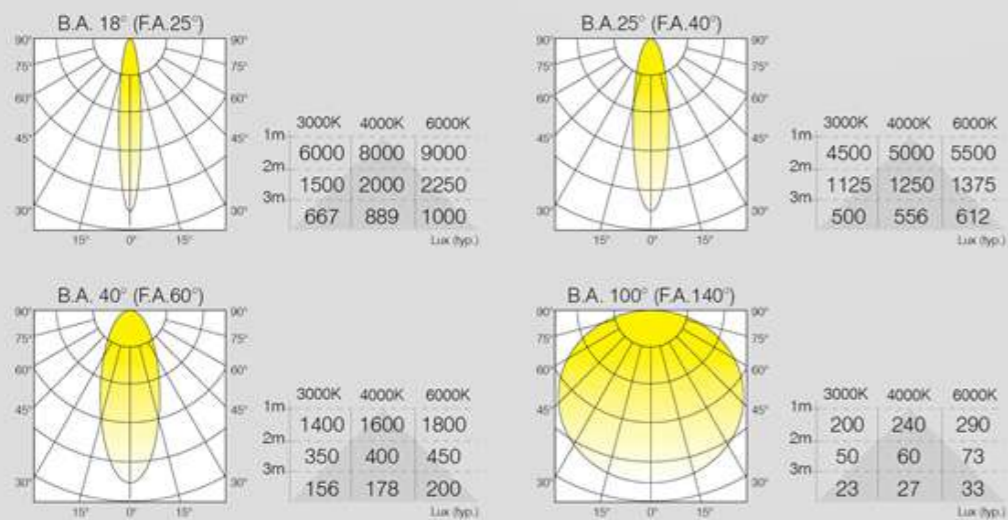


## 15W TD32

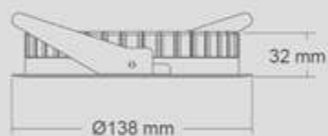
White Alu. brushed Silver



DC 21V, 700mA  
 CRI: CW 70, NW 75, WW 80  
 Weight : 390g



Part Number	Beam Angles	Field Angles	CCT	Lux@1m (Typ.)	Lm(Typ.)
TD32-15210x	18°	25°	6000K	9000	1000
TD32-15220x			4000K	8000	900
TD32-15230x			3000K	6000	800
TD32-15410x	25°	40°	6000K	5500	1000
TD32-15420x			4000K	5000	900
TD32-15430x			3000K	4500	800
TD32-15610x	40°	60°	6000K	1800	1000
TD32-15620x			4000K	1600	900
TD32-15630x			3000K	1400	800
TD32-15010x	100°	140°	6000K	290	790
TD32-15020x			4000K	240	600
TD32-15030x			3000K	200	510



Ø126 mm

Notes: 1. The photometric data were measured at initial state. (T<sub>a</sub>=25°C)  
 2. Specifications are subject to change without notice. Please refer to the datasheets for final specifications.







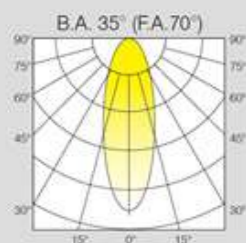
12W TDHR  White



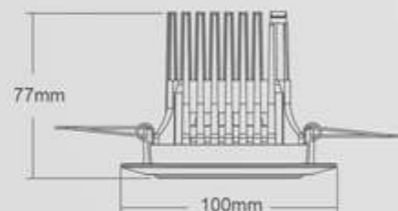
DC 36V, 350mA

CRI : 90

Weight : 200g



	3000K	4000K	6000K
1m	2200	2200	2200
2m	550	550	550
3m	244	244	244
	Lux (Typ.)		



Ø83 mm

Part Number	Beam Angles	Field Angles	CCT	Lux@1m (Typ.)	Lm(Typ.)
TDHR-127114			6000K		
TDHR-127214	35°	70°	4000K	2200	1000
TDHR-127314			3000K		

Notes: 1. The photometric data were measured at initial state. (T<sub>a</sub>=25°C)  
 2. Specifications are subject to change without notice. Please refer to the datasheets for final specifications.





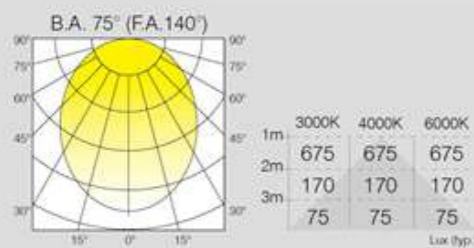


### 15W TDHR

White



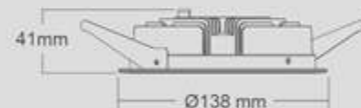
DC 350mA, 36V  
CRI : 90  
Weight : 415g



Ø126 mm

Part Number	Beam Angles	Field Angles	CCT	Lux@1m (Typ.)	Lm(Typ.)
TDHR-15011x	75°	140°	6000K	675	1050
TDHR-15021x			4000K		
TDHR-15031x			3000K		

Notes: 1. The photometric data were measured at initial state. (T<sub>a</sub>=25°C)  
2. Specifications are subject to change without notice. Please refer to the datasheets for final specifications.

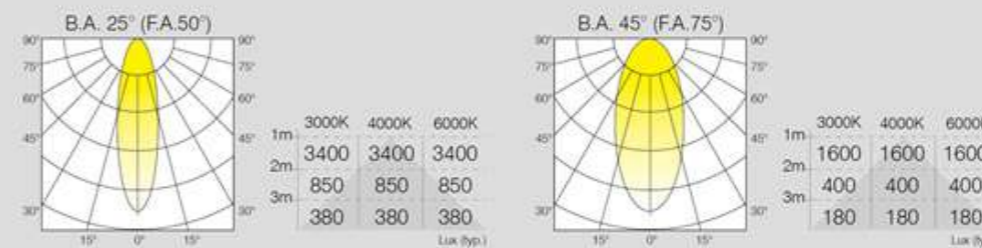


### 15W TDHR (Hybrid lens)

White



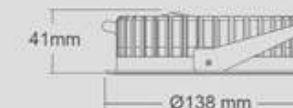
DC 350mA, 36V  
CRI : 90  
Weight : 540g



Ø126 mm

Part Number	Beam Angles	Field Angles	CCT	Lux@1m (Typ.)	Lm(Typ.)
TDHR-1551xx	25°	50°	6000K	3400	1050
TDHR-1551xx			4000K		
TDHR-1551xx			3000K		

Notes: 1. The photometric data were measured at initial state. (T<sub>a</sub>=25°C)  
2. Specifications are subject to change without notice. Please refer to the datasheets for final specifications.





## 6" Ceiling Light Series

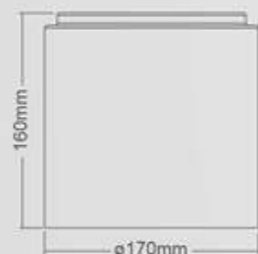
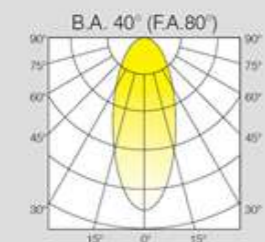
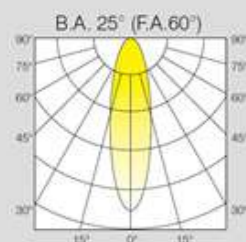
White



DC 37V

CRI : 80

Weight : 1120g



	Part Number	DC Current	Beam Angles	Field Angles	CCT	Lux@1m (Typ.)	Lux@2m (Typ.)	Lux@3m (Typ.)	Lm(Typ.)
13W	TLC6-1361xx	350mA	25°	60°	5700K	3250	815	360	1100
	TLC6-1362xx				4000K				
	TLC6-1363xx				3000K				
	TLC6-1381xx	350mA	40°	80°	5700K	2100	525	235	1100
	TLC6-1382xx				4000K				
	TLC6-1383xx				3000K				
26W	TLC6-2661xx	700mA	25°	60°	5700K	6500	1625	725	2200
	TLC6-2662xx				4000K				
	TLC6-2663xx				3000K				
	TLC6-2681xx	700mA	40°	80°	5700K	4200	1050	470	2200
	TLC6-2682xx				4000K				
	TLC6-2683xx				3000K				

Notes: 1. The photometric data were measured at initial state. (TA=25°C)  
 2. Specifications are subject to change without notice. Please refer to the datasheets for final specifications.



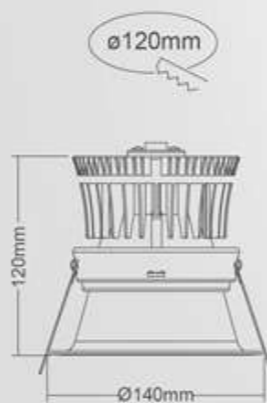
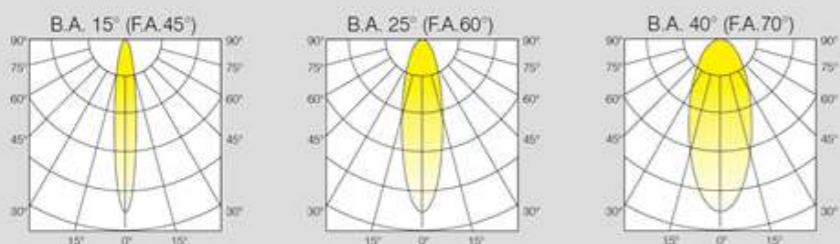


Anti-glare

## 4" COB Downlight Series White



DC 37V  
CRI : 80  
Weight : 340g



	Part Number	DC Current	Beam Angles	Field Angles	CCT	Lux@1m (Typ.)	Lux@2m (Typ.)	Lux@3m (Typ.)	Lm(Typ.)
13W	TLD4-1341xx	350mA	15°	45°	5700K	7000	1750	780	1050
	TLD4-1342xx				4000K				
	TLD4-1343xx				3000K				
	TLD4-1361xx	350mA	25°	60°	5700K	3500	875	390	1050
	TLD4-1362xx				4000K				
	TLD4-1363xx				3000K				
19W	TLD4-1371xx	350mA	40°	70°	5700K	1700	425	190	1050
	TLD4-1372xx				4000K				
	TLD4-1373xx				3000K				
	TLD4-1941xx	500mA	15°	45°	5700K	10000	2500	1111	1500
	TLD4-1942xx				4000K				
	TLD4-1943xx				3000K				
TLD4-1961xx	500mA	25°	60°	5700K	5000	1250	555	1500	
TLD4-1962xx				4000K					
TLD4-1963xx				3000K					
TLD4-1971xx	500mA	40°	70°	5700K	2400	600	270	1500	
TLD4-1972xx				4000K					
TLD4-1973xx				3000K					

Notes: 1. The photometric data were measured at initial state. (TA=25°C)  
2. Specifications are subject to change without notice. Please refer to the datasheets for final specifications.

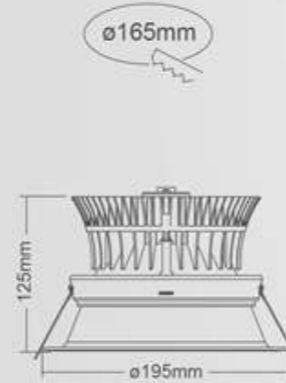
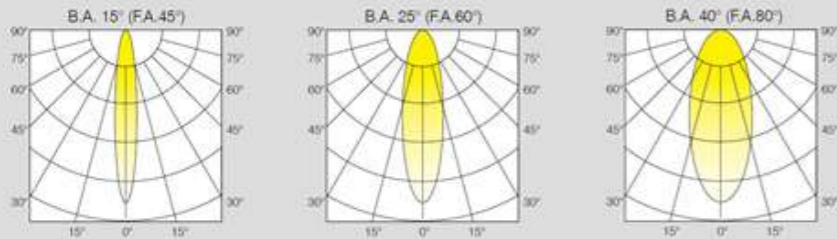


Anti-glare

## 6" COB Downlight Series White



DC 37V  
CRI : 80  
Weight : 560g



	Part Number	DC Current	Beam Angles	Field Angles	CCT	Lux@1m (Typ.)	Lux@2m (Typ.)	Lux@3m (Typ.)	Lm(Typ.)
13W	TLD6-1341xx	350mA	15°	45°	5700K	7000	1750	780	1000
	TLD6-1342xx				4000K				
	TLD6-1343xx				3000K				
	TLD6-1361xx				5700K				
	TLD6-1362xx	350mA	25°	60°	4000K	3500	875	390	1000
	TLD6-1363xx				3000K				
	TLD6-1381xx				5700K				
	TLD6-1382xx				4000K				
TLD6-1383xx	3000K								
18W	TLD6-1841xx	500mA	15°	45°	5700K	10000	2500	1111	1430
	TLD6-1842xx				4000K				
	TLD6-1843xx				3000K				
	TLD6-1861xx				5700K				
	TLD6-1862xx	500mA	25°	60°	4000K	5000	1250	555	1430
	TLD6-1863xx				3000K				
	TLD6-1881xx				5700K				
	TLD6-1882xx				4000K				
TLD6-1883xx	3000K								
26W	TLD6-2641xx	700mA	15°	45°	5700K	14000	3500	1555	2000
	TLD6-2642xx				4000K				
	TLD6-2643xx				3000K				
	TLD6-2661xx				5700K				
	TLD6-2662xx	700mA	25°	60°	4000K	7000	1750	780	2000
	TLD6-2663xx				3000K				
	TLD6-2681xx				5700K				
	TLD6-2682xx				4000K				
TLD6-2683xx	3000K								

Notes: 1. The photometric data were measured at initial state. (TA=25°C)  
2. Specifications are subject to change without notice. Please refer to the datasheets for final specifications.



FRUITS

VEGETABLES

weighing station

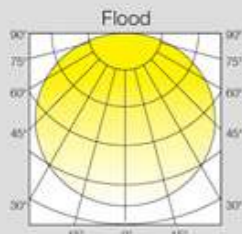
Distance



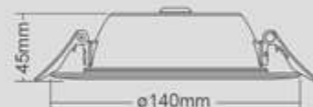
## 4" PLCC Downlight Series □ White



DC 20V  
CRI : 80  
Weight : 140g



ø105mm



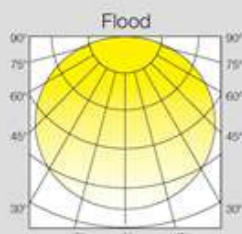
	Part Number	DC Current	Field Angles	CCT	Lux@1m (Typ.)	Lm(Typ.)
8.5W	TLSD4-0801xx	500mA	Flood	5700K	355	785
	TLSD4-0802xx			4000K	340	750
	TLSD4-0803xx			3000K	330	720
12W	TLSD4-1201xx	700mA	Flood	5700K	490	1100
	TLSD4-1202xx			4000K	470	1050
	TLSD4-1203xx			3000K	450	1000

Notes: 1. The photometric data were measured at initial state. (TA=25°C)  
2. Specifications are subject to change without notice. Please refer to the datasheets for final specifications.

## 6" PLCC Downlight Series □ White



DC 38V  
CRI : 80  
Weight : 220g



ø150mm



	Part Number	DC Current	Field Angles	CCT	Lux@1m (Typ.)	Lm(Typ.)
13W	TLSD6-1301xx	350mA	Flood	5700K	520	1150
	TLSD6-1302xx			4000K	500	1100
	TLSD6-1303xx			3000K	480	1050
19W	TLSD6-1901xx	500mA	Flood	5700K	750	1650
	TLSD6-1902xx			4000K	715	1570
	TLSD6-1903xx			3000K	680	1500
26W	TLSD6-2601xx	700mA	Flood	5700K	1050	2300
	TLSD6-2602xx			4000K	1000	2200
	TLSD6-2603xx			3000K	950	2100

Notes: 1. The photometric data were measured at initial state. (T<sub>a</sub>=25°C)  
2. Specifications are subject to change without notice. Please refer to the datasheets for final specifications.



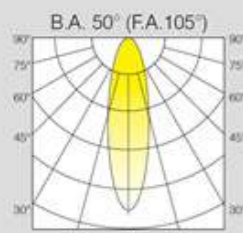




### 30W 6" HR Downlight White

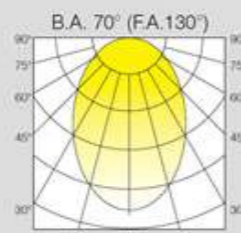


DC 36V, 700mA  
 CRI:90  
 Weight : 600g



	3000K	4000K	6000K
1m	2250	2250	2250
2m	560	560	560
3m	250	250	250

(Lux Typ.)



	3000K	4000K	6000K
1m	1350	1350	1350
2m	340	340	340
3m	150	150	150

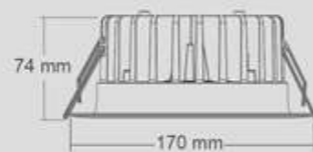
(Lux Typ.)

Clear Glass

Milky Diffuser

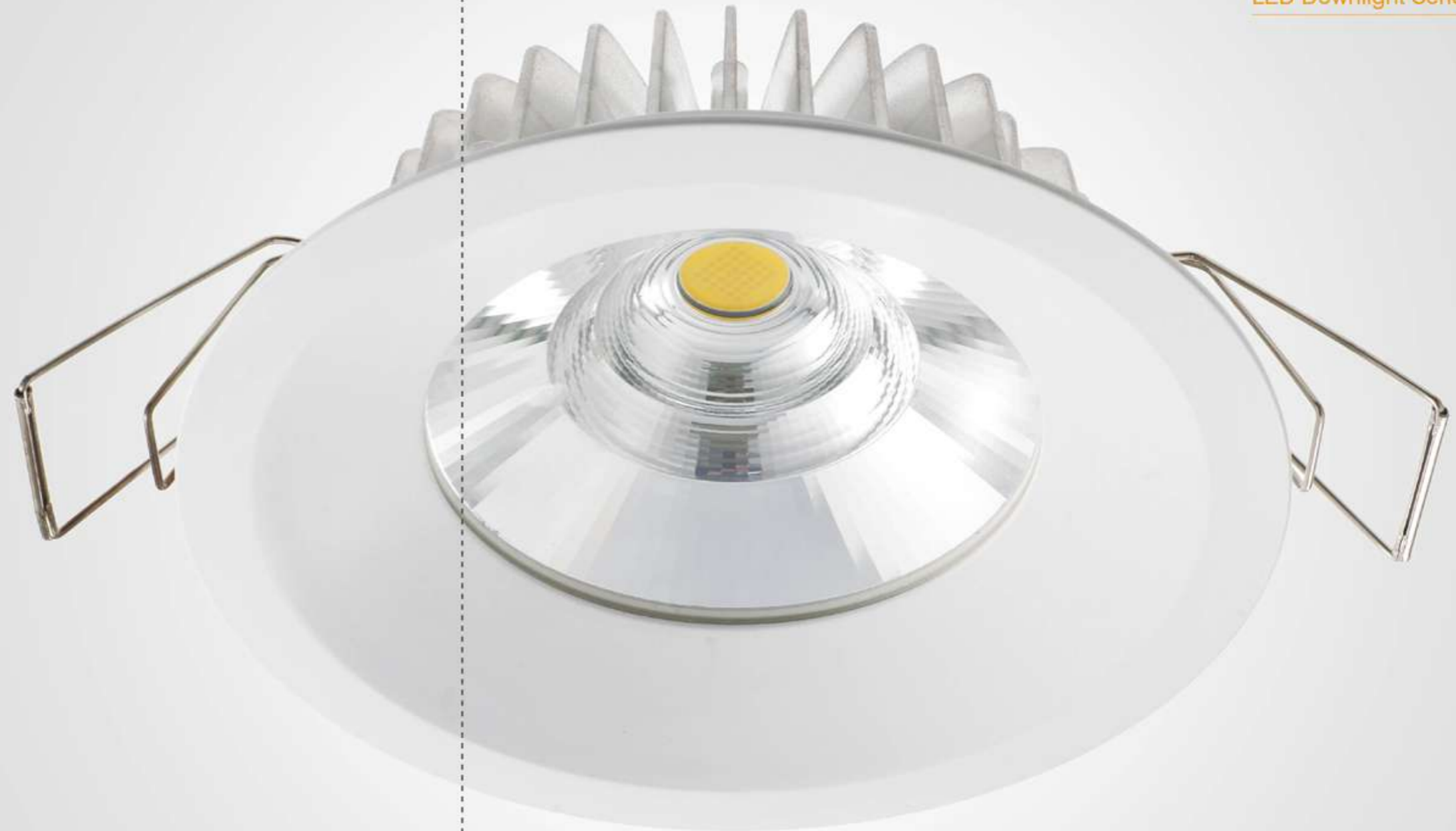
	Part Number	Beam Angles	Field Angles	CCT	Lux@1m (Typ.)	Lm(Typ.)
Clear Glass	2D6HR-30010x	50°	105°	6000K	2250	2150
	2D6HR-30020x			4000K		
	2D6HR-30030x			3000K		
Milky Glass	2D6HR-30011x	70°	130°	6000K	1350	2000
	2D6HR-30021x			4000K		
	2D6HR-30031x			3000K		

Ø150 mm



Notes: 1. The photometric data were measured at initial state. (T<sub>a</sub> = 25°C)  
 2. Specifications are subject to change without notice. Please refer to the datasheets for final specifications.

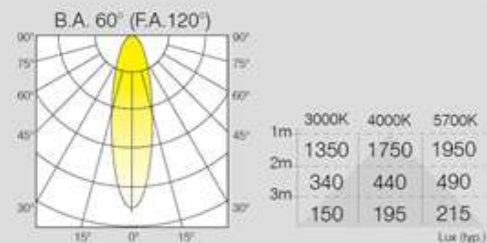




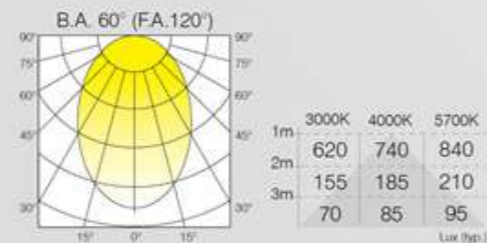
## 8" Downlight Series White



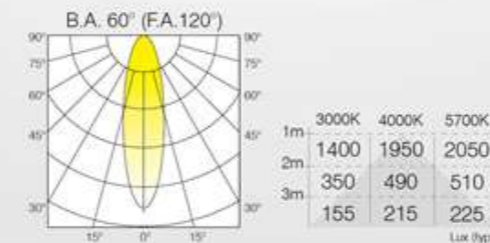
DC 20V, 1.3A @25W  
 DC 20V, 1.5A @35W  
 CRI: CW 70, NW75, WW80  
 Weight : 1027g



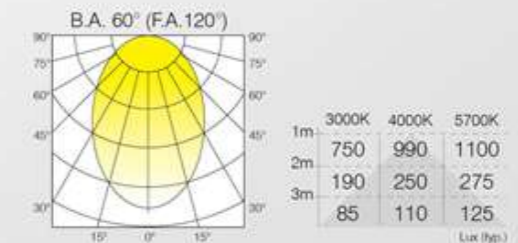
25W - Clear Glass



25W - Milky Diffuser

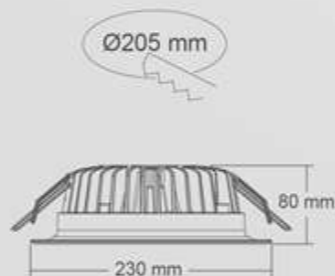


35W - Clear Glass



35W - Milky Diffuser

	Part Number	Beam Angles	Field Angles	CCT	Lux@1m (Typ.)	Lm(Typ.)
25W Clear Glass	2D8-25010x	60°	120°	5700K	1950	1450
	2D8-25020x			4000K	1750	1300
	2D8-25030x			3000K	1350	1200
25W Milky Diffuser	2D8-25011x	60°	120°	5700K	840	1190
	2D8-25021x			4000K	740	1040
	2D8-25031x			3000K	620	850



	Part Number	Beam Angles	Field Angles	CCT	Lux@1m (Typ.)	Lm(Typ.)
35W Clear Glass	2D8-35010x	60°	120°	5700K	2050	2100
	2D8-35020x			4000K	1950	2000
	2D8-35030x			3000K	1400	1450
35W Milky Diffuser	2D8-35011x	60°	120°	5700K	1100	1610
	2D8-35021x			4000K	990	1470
	2D8-35031x			3000K	750	1130

Notes: 1. The photometric data were measured at initial state. (TA=25°C)  
 2. Specifications are subject to change without notice. Please refer to the datasheets for final specifications.

Notes: 1. The photometric data were measured at initial state. (TA=25°C)  
 2. Specifications are subject to change without notice. Please refer to the datasheets for final specifications.



# WINE & SPIRITS

JAPAN

SOUTH AFRICA

NEW ZEALAND

AUSTRALIA

AUSTRALIA

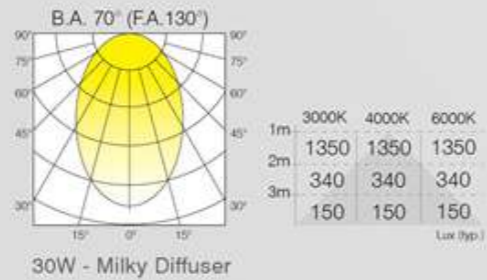
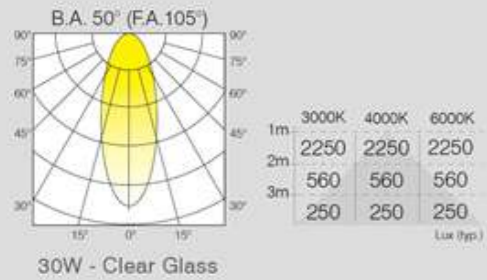
AUSTRALIA



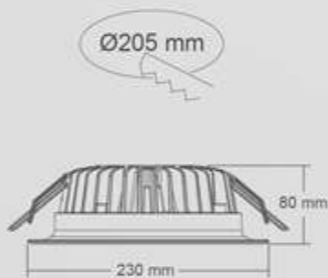
## 8" HR Downlight Series White



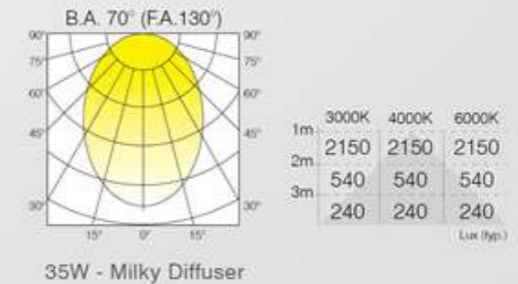
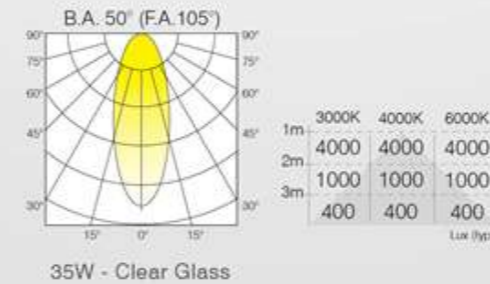
DC 40V, 0.7A @30W  
 DC 40V, 1.05A @40W  
 CRI : 90  
 Weight : 1027g



Part Number	Beam Angles	Field Angles	CCT	Lux@1m (Typ.)	Lm(Typ.)
30W Clear Glass	50°	105°	6000K	2250	2150
			4000K	2250	2150
			3000K	2250	2150
30W Milky Diffuser	70°	130°	6000K	1350	2000
			4000K	1350	2000
			3000K	1350	2000



Notes: 1. The photometric datas were measured at initial state. (TA=25°C)  
 2. Specifications are subject to change without notice. Please refer to the datasheets for final specifications.



Part Number	Beam Angles	Field Angles	CCT	Lux@1m (Typ.)	Lm(Typ.)
40W Clear Glass	50°	105°	6000K	4000	2700
			4000K	4000	2700
			3000K	4000	2700
40W Milky Diffuser	70°	130°	6000K	2150	2500
			4000K	2150	2500
			3000K	2150	2500

Notes: 1. The photometric datas were measured at initial state. (TA=25°C)  
 2. Specifications are subject to change without notice. Please refer to the datasheets for final specifications.







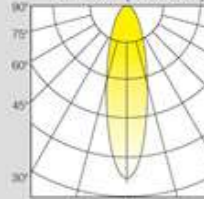
## 50W 8" Downlight

White



DC 24V, 2A  
CRI: CW 70, NW75, WW80  
Weight : 1300g

B.A. 60° (FA.120°)

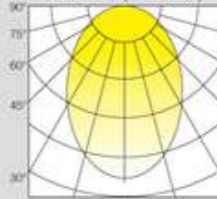


Clear Glass

	3000K	4000K	5700K
1m	2700	3050	3500
2m	675	760	875
3m	300	340	390

Lux (Typ.)

B.A. 60° (FA.120°)

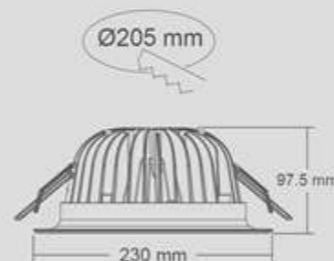


Milky Diffuser

	3000K	4000K	5700K
1m	1300	1500	1800
2m	325	375	450
3m	145	170	200

Lux (Typ.)

	Part Number	Beam Angles	Field Angles	CCT	Lux@1m (Typ.)	Lm(Typ.)
Clear Glass	2D8-50010x	60°	120°	5700K	3500	3150
	2D8-50020x			4000K	3050	2700
	2D8-50030x			3000K	2700	2400
Milky Glass	2D8-50011x	60°	120°	5700K	1800	2700
	2D8-50021x			4000K	1500	2250
	2D8-50031x			3000K	1300	1900



Notes: 1. The photometric data were measured at initial state. (T<sub>a</sub>=25°C)  
2. Specifications are subject to change without notice. Please refer to the datasheets for final specifications.

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Un mundo  
de envoltentes aromas





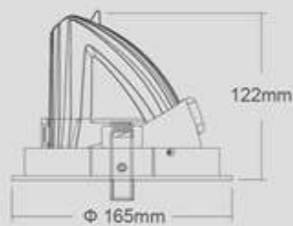
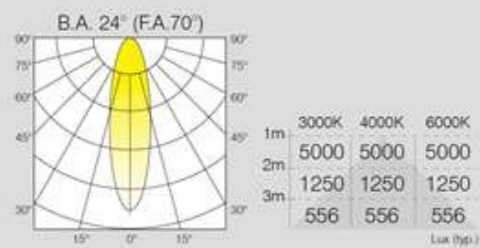
## 24W 6" HR Downlight White



DC 36V, 700mA

CRI : 90

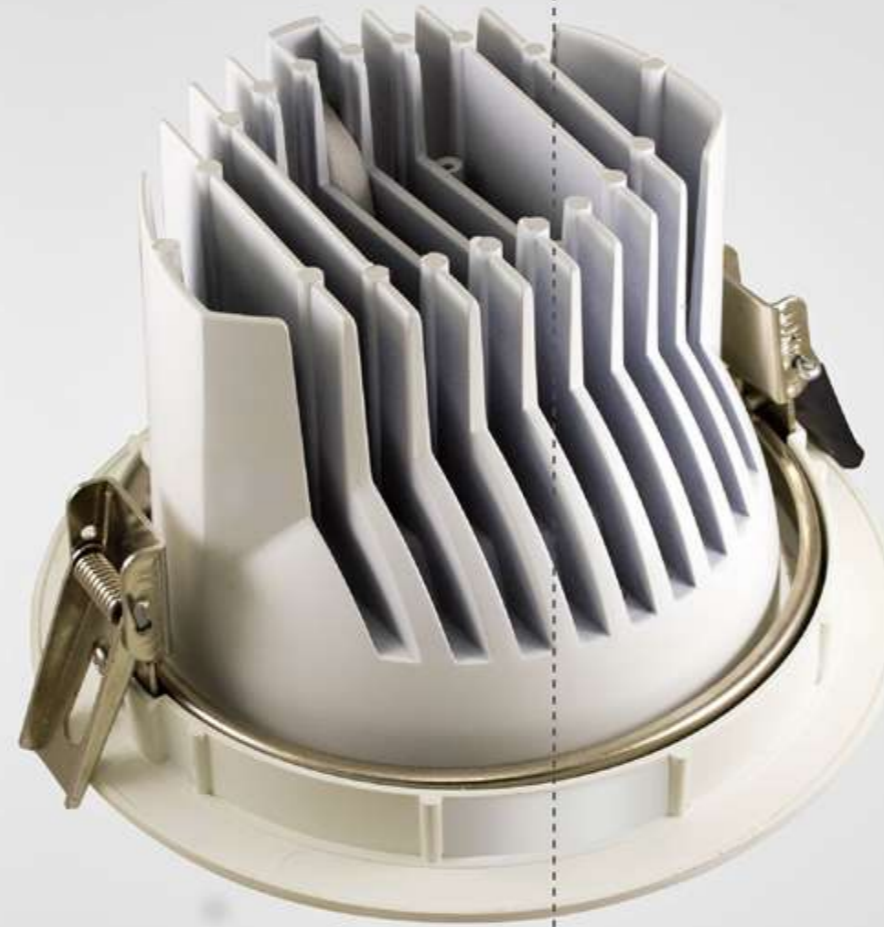
Weight : 960g



Part Number	Beam Angles	Field Angles	CCT	Lux@1m (Typ.)	Lm(Typ.)
ETL-24710x			6000K		
ETL-24720x	24°	70°	4000K	5000	2350
ETL-24730x			3000K		

Notes: 1. The photometric data were measured at initial state. (T<sub>a</sub>=25°C)  
 2. Specifications are subject to change without notice. Please refer to the datasheets for final specifications.





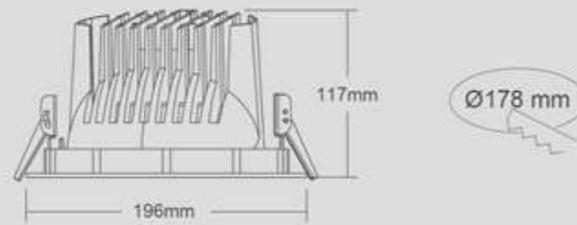
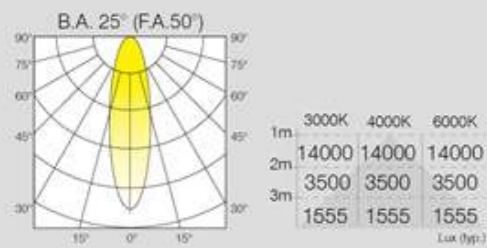
40W 7" HR Downlight |  White



DC 36V, 1050mA

CRI : 90

Weight : 960g



Part Number	Beam Angles	Field Angles	CCT	Lux@1m (Typ.)	Lm(Typ.)
ETL-40510x			6000K		
ETL-40520x	25°	50°	4000K	14000	3500
ETL-40530x			3000K		

Notes: 1. The photometric data were measured at initial state. (T<sub>a</sub>=25°C)  
 2. Specifications are subject to change without notice. Please refer to the datasheets for final specifications.

藥品 · 美妝 · 保健食品  
Medicaments · Cosmetic · Dietary supplement food

旅行用品

牛樟芝

常備用藥

Medicine

牛樟芝

灵芝

養生保健

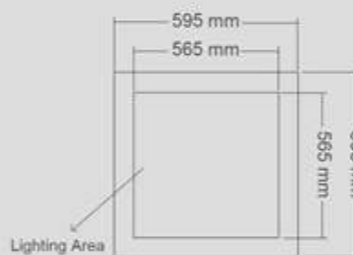
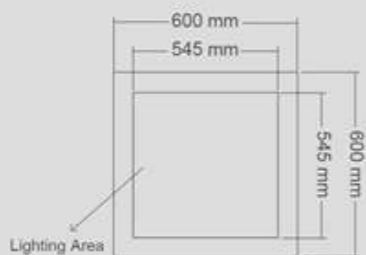
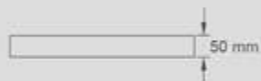
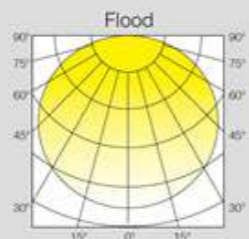
養生保健

藥師執行業務中

# 40W Panel Light White



AC 100~240V  
CRI:>80  
Weight : <3.8kg



Power (W)	Field Angles	CCT	Lm(Typ.)
40W	Flood	5700K	3600
		4000K	3400
		3000K	3200

Notes: 1. The photometric data were measured at initial state. (T<sub>a</sub>=25°C)  
2. Specifications are subject to change without notice.  
Please refer to the datasheets for final specifications.

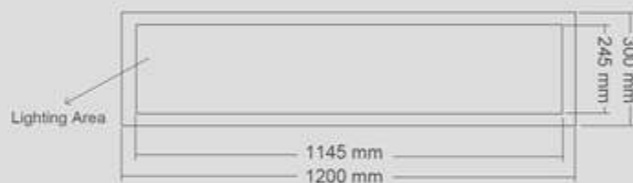
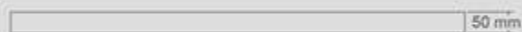
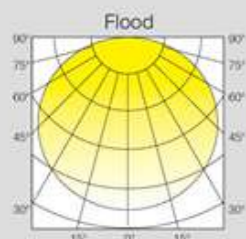
Power (W)	Field Angles	CCT	Lm(Typ.)
40W	Flood	5700K	3700
		4000K	3550
		3000K	3550

Notes: 1. The photometric data were measured at initial state. (T<sub>a</sub>=25°C)  
2. Specifications are subject to change without notice.  
Please refer to the datasheets for final specifications.

# 40W Panel Light White



AC 100~240V  
CRI:>80  
Weight : <4.2kg



Power (W)	Field Angles	CCT	Lm(Typ.)
40W	Flood	5700K	3600
		4000K	3400
		3000K	3200

Notes: 1. The photometric data were measured at initial state. (T<sub>a</sub>=25°C)  
2. Specifications are subject to change without notice.  
Please refer to the datasheets for final specifications.



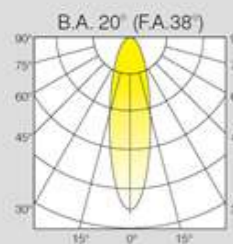


## 15W Pendant Lighting

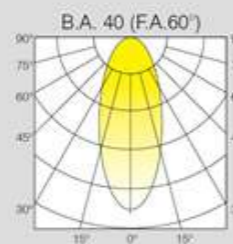
White  
Silver



DC 24V, 700mA  
CRI : CW 70, NW 75, WW 80  
Weight : 750g



Distance	3000K	4000K	6000K
1m	5800	7000	8000
2m	1450	1750	2000
3m	645	780	890



Distance	3000K	4000K	6000K
1m	1900	2500	2800
2m	475	625	700
3m	210	280	310



Part Number	Beam Angles	Field Angles	CCT	Lux@1m (Typ.)	Lm(Typ.)
PD-1531xx	20°	38°	6000K	8000	960
PD-1532xx			4000K	7000	850
PD-1533xx			3000K	5800	730
PD-1561xx	40°	60°	6000K	2800	960
PD-1562xx			4000K	2500	850
PD-1563xx			3000K	1900	730

Notes: 1. The photometric data were measured at initial state. (T<sub>a</sub>=25°C)  
2. Specifications are subject to change without notice. Please refer to the datasheets for final specifications.



# Cylinder Series 17W Pendant Lighting

■ Purple ■ Red ■ Orange ■ Gold ■ Blue ■ Green ■ Silver ■ Black ■ White

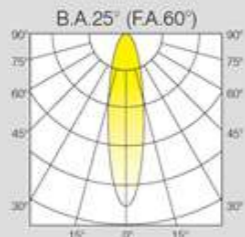


DC 52V, 350mA  
 CRI : CW 70, NW 75, WW 80  
 Weight : 18° @1110g  
           25° @1040g  
           40° @1000g



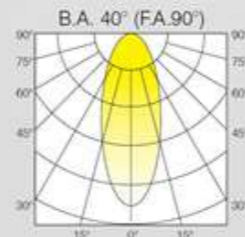
	3000K	4000K	6000K
1m	9500	10500	10500
2m	2375	2625	2625
3m	1060	1165	1165

Lux (Typ.)



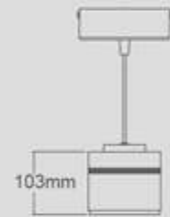
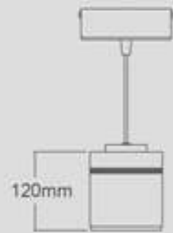
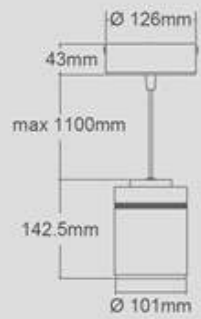
	3000K	4000K	6000K
1m	4200	4300	4300
2m	1050	1075	1075
3m	470	480	480

Lux (Typ.)



	3000K	4000K	6000K
1m	1600	2000	2000
2m	400	500	500
3m	180	225	225

Lux (Typ.)



Part Number	Beam Angles	Field Angles	CCT	Lux@1m (Typ.)	Lm(Typ.)
PD-1741xx	18°	40°	6000K	10500	1100
PD-1742xx			4000K	10500	
PD-1743xx			3000K	9500	
PD-1761xx	25°	60°	6000K	4300	1100
PD-1762xx			4000K	4300	
PD-1763xx			3000K	4200	
PD-1791xx	40°	90°	6000K	2000	1100
PD-1792xx			4000K	2000	
PD-1793xx			3000K	1600	



Notes: 1. The photometric datas were measured at initial state. (T<sub>a</sub> < 25°C)  
 2. Specifications are subject to change without notice. Please refer to the datasheets for final specifications.





豐沛饗宴  
滋味  
盛裝

堅持傳統  
台灣風味

旺來酥



TAIWAN EXCELLENCE 2013

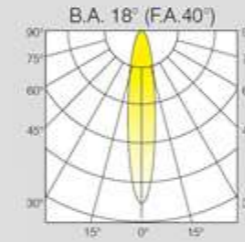


## Cylinder Series 17W Pendant Lighting

■ Purple ■ Red ■ Orange ■ Gold ■ Blue ■ Green ■ Silver ■ Black ■ White

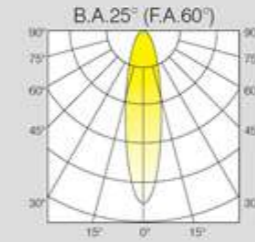


DC 36V, 500mA  
CRI : 90  
Weight : 18° @1110g  
          25° @1040g  
          40° @1000g



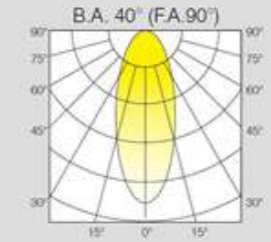
	3000K	4000K	6000K
1m	9500	10500	10500
2m	2375	2625	2625
3m	1060	1165	1165

Lux (Typ.)



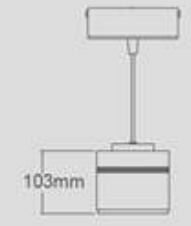
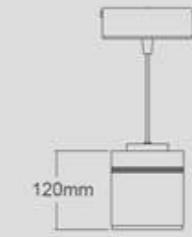
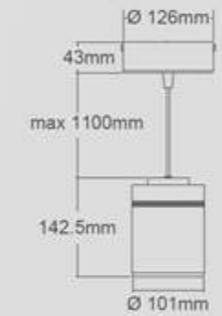
	3000K	4000K	6000K
1m	4200	4300	4300
2m	1050	1075	1075
3m	470	480	480

Lux (Typ.)



	3000K	4000K	6000K
1m	1600	2000	2000
2m	400	500	500
3m	180	225	225

Lux (Typ.)



Part Number	Beam Angles	Field Angles	CCT	Lux@1m (Typ.)	Lm(Typ.)
PDHR-1741xx	18°	40°	6000K	10500	1200
PDHR-1742xx			4000K	10500	
PDHR-1743xx			3000K	9500	
PDHR-1761xx	25°	60°	6000K	4300	1200
PDHR-1762xx			4000K	4300	
PDHR-1763xx			3000K	4200	
PDHR-1791xx	40°	90°	6000K	2000	1200
PDHR-1792xx			4000K	2000	
PDHR-1793xx			3000K	1600	

Notes: 1. The photometric data were measured at initial state (T<sub>a</sub>=25°C)  
2. Specifications are subject to change without notice. Please refer to the datasheets for final specifications.



Ledi<sup>o</sup>opto CAFE

MENU

Coffee Latte	\$2.50
Coffee Espresso	\$2.50
Coffee Double Shot Espresso	\$3.50
Coffee Latte	\$2.50
Coffee Espresso	\$2.50
Coffee Double Shot Espresso	\$3.50
Coffee Latte	\$2.50
Coffee Espresso	\$2.50
Coffee Double Shot Espresso	\$3.50

MENU

Pho Bo	\$3.50
Pho Chi	\$3.50
Pho Hu	\$3.50
Pho Tho	\$3.50
Pho Bo	\$3.50
Pho Chi	\$3.50
Pho Hu	\$3.50
Pho Tho	\$3.50

Try our fresh Coffee  
Fresh and healthy coffee beans  
only with absolutely clean  
Mylar Mylar are normal CAFE Latte  
"Fresh Model"  
Ledi<sup>o</sup>opto cafe



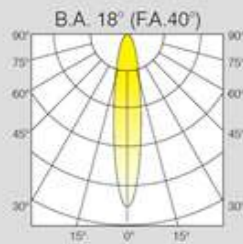


## Cylinder Series 17W Ceiling Mounted Lighting

■ Black □ White

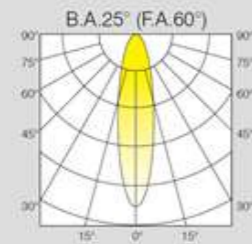
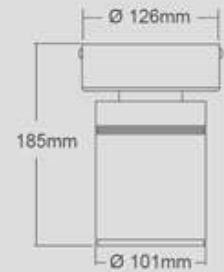


DC 36V, 500mA  
CRI : CW 70, NW 75, WW 80 (CRI 90 for HR)  
Weight : 18° @1065g  
          25° @995g  
          40° @995g



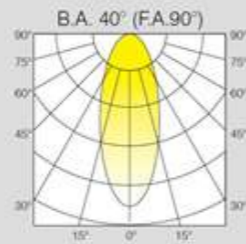
	3000K	4000K	6000K
1m	9500	10500	10500
2m	2375	2625	2625
3m	1060	1165	1165

Lux (Typ.)



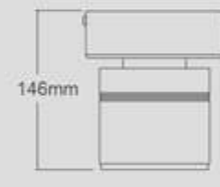
	3000K	4000K	6000K
1m	4200	4300	4300
2m	1050	1075	1075
3m	470	480	480

Lux (Typ.)



	3000K	4000K	6000K
1m	1600	2000	2000
2m	400	500	500
3m	180	225	225

Lux (Typ.)



Part Number	Beam Angles	Field Angles	CCT	Lux@1m (Typ.)	Lm(Typ.)
CM-1741xx	18°	40°	6000K	10500	1100
CM-1742xx			4000K	10500	
CM-1743xx			3000K	9500	
CM-1761xx	25°	60°	6000K	4300	1100
CM-1762xx			4000K	4300	
CM-1763xx			3000K	4200	
CM-1791xx	40°	90°	6000K	2000	1100
CM-1792xx			4000K	2000	
CM-1793xx			3000K	1600	

Notes: 1. The photometric data were measured at initial state. (T<sub>a</sub>=25°C)  
2. Specifications are subject to change without notice. Please refer to the datasheets for final specifications.



(CRI : 90)

Part Number	Beam Angles	Field Angles	CCT	Lux@1m (Typ.)	Lm(Typ.)
CMHR-1741xx	18°	40°	6000K	10500	1200
CMHR-1742xx			4000K	10500	
CMHR-1743xx			3000K	9500	
CMHR-1761xx	25°	60°	6000K	4300	1200
CMHR-1762xx			4000K	4300	
CMHR-1763xx			3000K	4200	
CMHR-1791xx	40°	90°	6000K	2000	1200
CMHR-1792xx			4000K	2000	
CMHR-1793xx			3000K	1600	

Notes: 1. The photometric data were measured at initial state. (T<sub>a</sub>=25°C)  
2. Specifications are subject to change without notice. Please refer to the datasheets for final specifications.



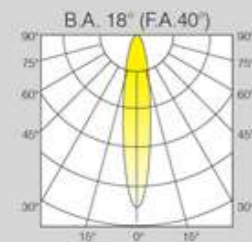


## Cylinder Series Ceiling Mounted Spotlight

White  
Black

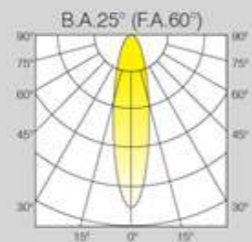


DC 36V  
CRI : 90  
Weight : 1100g



	3000K	4000K	6000K
1m	9500	9500	8500
2m	2375	2375	2375
3m	1060	1060	945

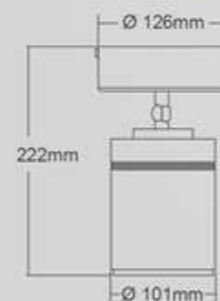
Lux (Typ.)



	3000K	4000K	6000K
1m	8000	8000	7000
2m	2000	2000	1750
3m	890	890	780

Lux (Typ.)

	Part Number	DC Current	Beam Angles	Field Angles	CCT	Lux@1m (Typ.)	Lm(Typ.)
17W	CSHR-1741xx	500mA	18°	40°	6000K	9500	1200
	4000K				9500		
	3000K				8500		
30W	CSHR-3041xxx	700mA	25°	60°	6000K	8000	2000
	4000K				8000		
	3000K				7000		



Notes: 1. The photometric data were measured at initial state. (T<sub>a</sub>=25°C)  
2. Specifications are subject to change without notice. Please refer to the datasheets for final specifications.



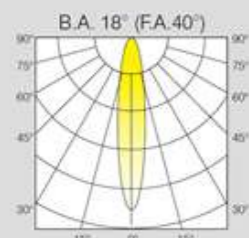


### Cylinder Series Track Light

White  
Black

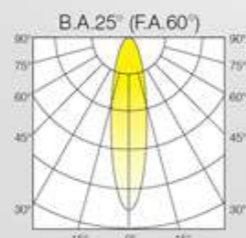


DC 36V  
CRI : 90  
Weight : 1100g



	3000K	4000K	6000K
1m	9500	9500	9500
2m	2375	2375	2375
3m	1060	1060	1060

Lux (Typ.)

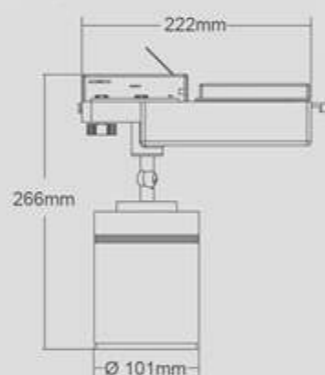


	3000K	4000K	6000K
1m	8000	8000	8000
2m	2000	2000	2000
3m	890	890	890

Lux (Typ.)

	Part Number	DC Current	Beam Angles	Field Angles	CCT	Lux@1m (Typ.)	Lm(Typ.)
17W	TL-CYHR-1741xxx	500mA	18°	40°	6000K	9500	1200
	TL-CYHR-1742xxx				4000K		
	TL-CYHR-1743xxx				3000K		
30W	TL-CYHR-3061xxx	700mA	25°	60°	6000K	8000	2000
	TL-CYHR-3062xxx				4000K		
	TL-CYHR-3063xxx				3000K		

Notes: 1. The photometric data were measured at initial state. (T<sub>a</sub>25°C)  
2. Specifications are subject to change without notice. Please refer to the datasheets for final specifications.





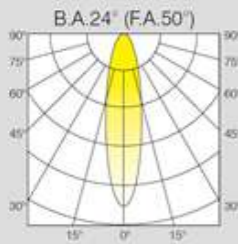




Cylinder Series  
9W LED Track Light  White

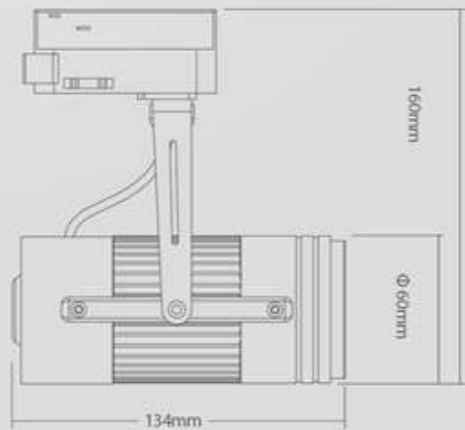


AC 100V~240V  
CRI : 90  
Weight : 460g



	3000K	4000K	6000K
1m	3300	3300	3300
2m	825	825	825
3m	367	367	367

Lux (Typ.)



CRI : 90



Part Number	Beam Angles	Field Angles	CCT	Lux@1m (Typ.)	Lm(Typ.)
TL-EHR-095100x			6000K	3300	800
TL-EHR-095200x	24°	50°	4000K	3300	800
TL-EHR-095300x			3000K	3300	800

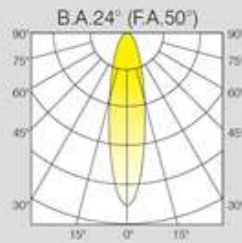
Notes: 1. The photometric data were measured at initial state. (T<sub>a</sub>+25°C)  
2. Specifications are subject to change without notice. Please refer to the datasheets for final specifications.



Cylinder Series  
**24W LED Track Light** |  White

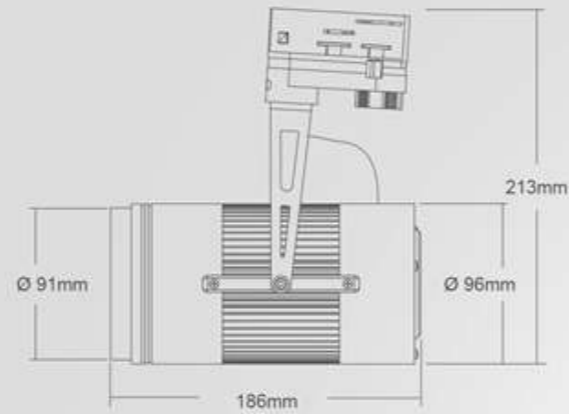


AC 220V~240V  
 CRI : 90  
 Weight : 1480g



	3000K	4000K	6000K
1m	8000	8000	7000
2m	2000	2000	1750
3m	890	890	780

Lux (Typ.)



CRI : 90



Part Number	Beam Angles	Field Angles	CCT	Lux@1m (Typ.)	Lm(Typ.)
TL-EHR-245100x			6000K	7500	2000
TL-EHR-245200x	24°	50°	4000K	7500	2000
TL-EHR-245300x			3000K	7500	2000

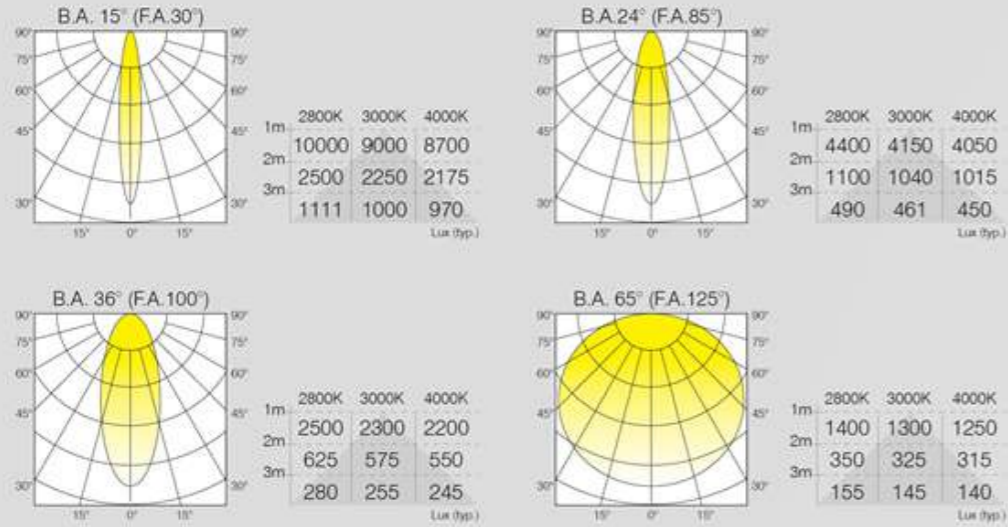
Notes: 1. The photometric data were measured at initial state. (T<sub>a</sub>=25°C)  
 2. Specifications are subject to change without notice. Please refer to the datasheets for final specifications.



# 17W AR111 Module ■ Silver



DC 36V, 500mA  
CRI : 80  
Weight : 180g

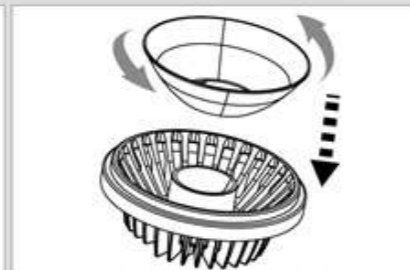


Part Number	Beam Angles	Field Angles	CCT	Lux@1m (Typ.)	Lm(Typ.)
M-AR111-1732xx	15°	30°	4000K	10000	1750
M-AR111-1733xx			3000K	9000	1650
M-AR111-1730xx			2800K	8700	1600
M-AR111-1782xx	24°	85°	4000K	4400	1750
M-AR111-1783xx			3000K	4150	1650
M-AR111-1780xx			2800K	4050	1600
M-AR111-1702xx	36°	100°	4000K	2500	1750
M-AR111-1703xx			3000K	2300	1650
M-AR111-1700xx			2800K	2200	1600
M-AR111-17A2xx	65°	125°	4000K	1400	1750
M-AR111-17A3xx			3000K	1300	1650
M-AR111-17A0xx			2800K	1250	1600

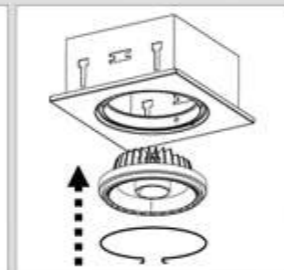
Notes: 1. The photometric data were measured at initial state. (T<sub>a</sub> = 25°C)  
2. Specifications are subject to change without notice. Please refer to the datasheets for final specifications.



To interchange another reflector with different angle. Clockwise loose the reflector.



Put the other reflector on module and counter-clockwise tight the reflector.



Place the AR111 module in the fixture and lock it with a ring.



GOOD DESIGN  
AWARD 2013



TAIWAN  
EXCELLENCE 2014



Golden PIN  
DESIGN AWARD  
金點設計獎





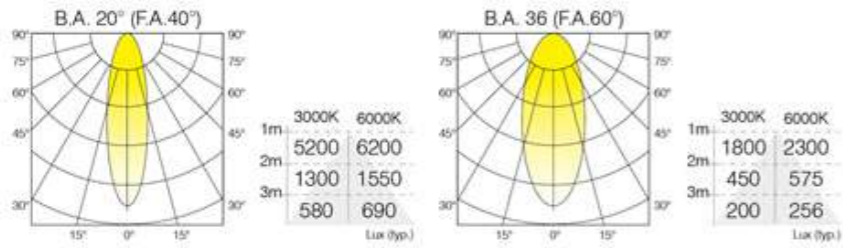
JS Cafe

# 10W AR111

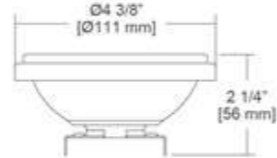
Black Silver  
White



AC/DC 12V  
CRI : CW70, WW80  
Weight : 190g



Part Number	Beam Angles	Field Angles	CCT	Lux@1m (Typ.)	Lm(Typ.)
AR111B-10410x	20°	40°	6000K	6200	850
AR111B-10430x			3000K	5200	650
AR111B-10610x	36°	60°	6000K	2300	850
AR111B-10630x			3000K	1800	650



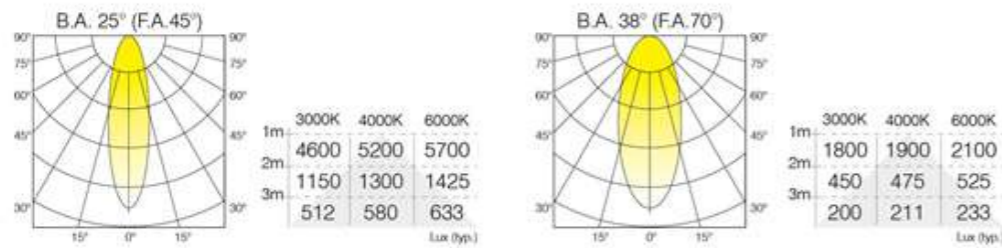
Notes: 1. The photometric data were measured at initial state. (T<sub>a</sub>=25°C)  
2. Specifications are subject to change without notice. Please refer to the datasheets for final specifications.

# 15W AR111

Silver



AC/DC 12V  
CRI: CW75, NW80, WW80  
Weight : 220g



Part Number	Beam Angles	Field Angles	CCT	Lux@1m (Typ.)	Lm(Typ.)
AR111C-1541xx	25°	45°	6000K	5700	1050
AR111C-1542xx			4000K	5200	950
AR111C-1543xx			3000K	4600	900
AR111C-1571xx	38°	70°	6000K	2100	1050
AR111C-1572xx			4000K	1900	950
AR111C-1573xx			3000K	1800	900



Notes: 1. The photometric data were measured at initial state. (T<sub>a</sub>=25°C)  
2. Specifications are subject to change without notice. Please refer to the datasheets for final specifications.

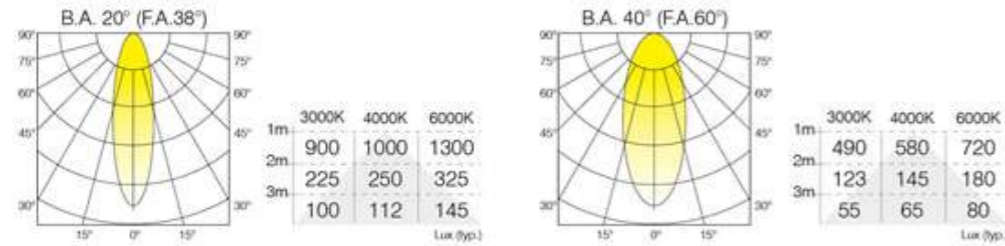


### 3W MR16

White  
Silver



AC/DC 12V  
CRI : CW70, NW75, WW80  
Weight : 40g



Part Number	Beam Angles	Field Angles	CCT	Lux@1m (Typ.)	Lm(Typ.)
MR16-0331xx	20°	38°	6000K	1300	230
MR16-0332xx			4000K	1000	190
MR16-0333xx			3000K	900	150
MR16-0361xx	40°	60°	6000K	720	230
MR16-0362xx			4000K	580	190
MR16-0363xx			3000K	490	150



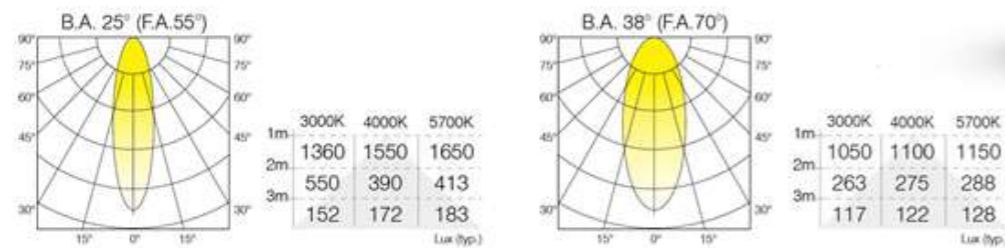
Notes: 1. The photometric data were measured at initial state. (T<sub>a</sub>=25°C)  
2. Specifications are subject to change without notice. Please refer to the datasheets for final specifications.

### 6W MR16

White



AC/DC 12V  
CRI: CW75, NW75, WW80  
Weight : 45g



Part Number	Beam Angles	Field Angles	CCT	Lux@1m (Typ.)	Lm(Typ.)
MR16A-0651xx	25°	55°	5700K	1650	580
MR16A-0652xx			4000K	1550	500
MR16A-0653xx			3000K	1360	430
MR16A-0671xx	38°	70°	5700K	1150	580
MR16A-0672xx			4000K	1100	500
MR16A-0673xx			3000K	1050	430



Notes: 1. The photometric data were measured at initial state. (T<sub>a</sub>=25°C)  
2. Specifications are subject to change without notice. Please refer to the datasheets for final specifications.

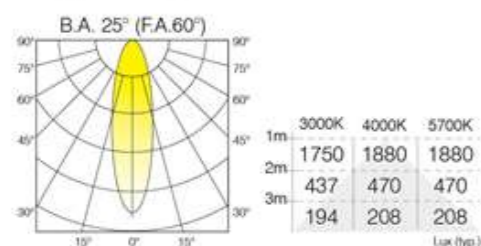
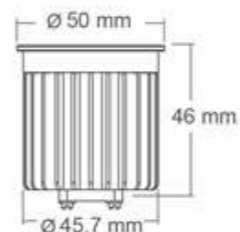




## 7W MR16 Module ■ Silver

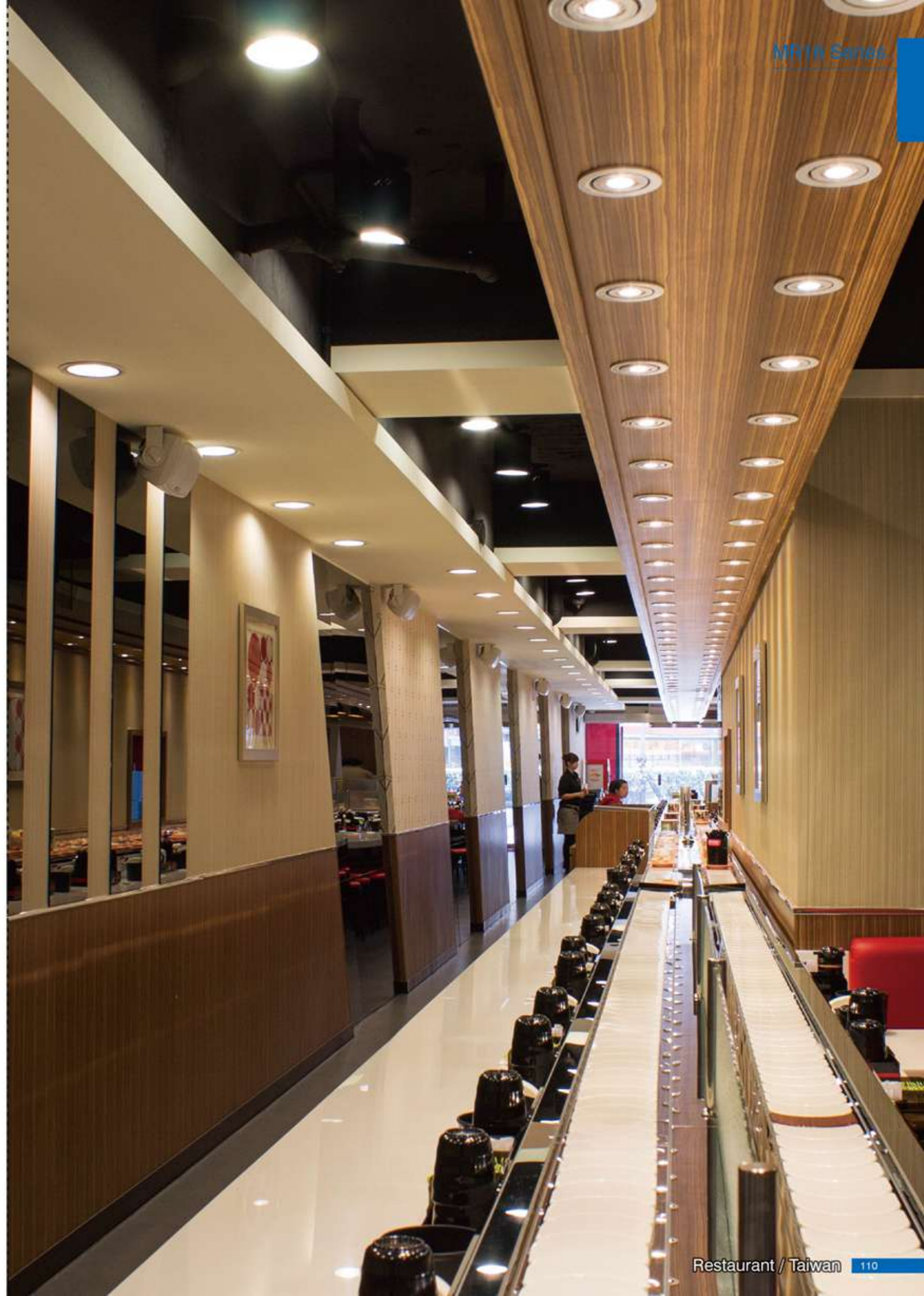


DC10V , 700mA  
 CRI: CW70, NW75, WW80  
 Weight : 65g



Part Number	Beam Angles	Field Angles	CCT	Lux@1m (Typ.)	Lm(Typ.)
M-MR16HS-07610x	25°	60°	5700K	1880	660
M-MR16HS-07620x			4000K	1800	600
M-MR16HS-07630x			3000K	1750	550

Notes: 1. The photometric data were measured at initial state: (T<sub>a</sub>=25°C)  
 2. Specifications are subject to change without notice. Please refer to the datasheets for final specifications.



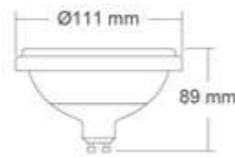
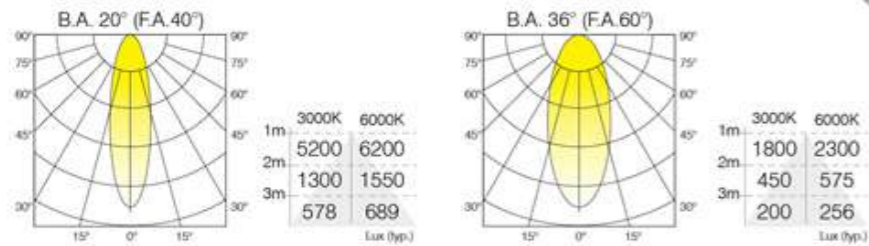


# 10W ES111

White



AC 100V-240V  
CRI: CW70, WW80  
Weight : 220g



Part Number	Beam Angles	Field Angles	CCT	Lux@1m (Typ.)	Lm(Typ.)
ES111B-10410x	20°	40°	6000K	6200	850
ES111B-10430x			3000K	5200	650
ES111B-10610x	36°	60°	6000K	2300	850
ES111B-10630x			3000K	1800	650

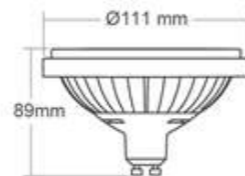
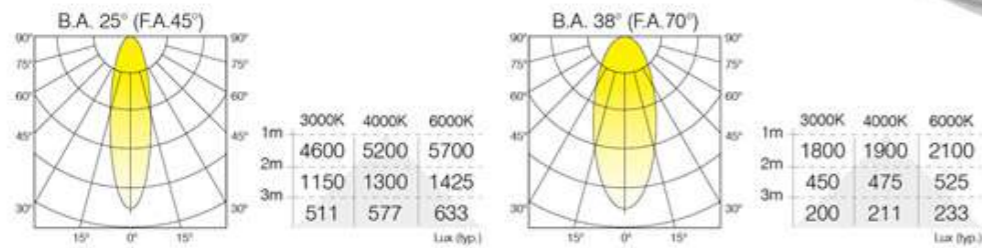
Notes: 1. The photometric data were measured at initial state. (T<sub>a</sub> = 25°C)  
2. Specifications are subject to change without notice. Please refer to the datasheets for final specifications.

# 15W ES111

Silver

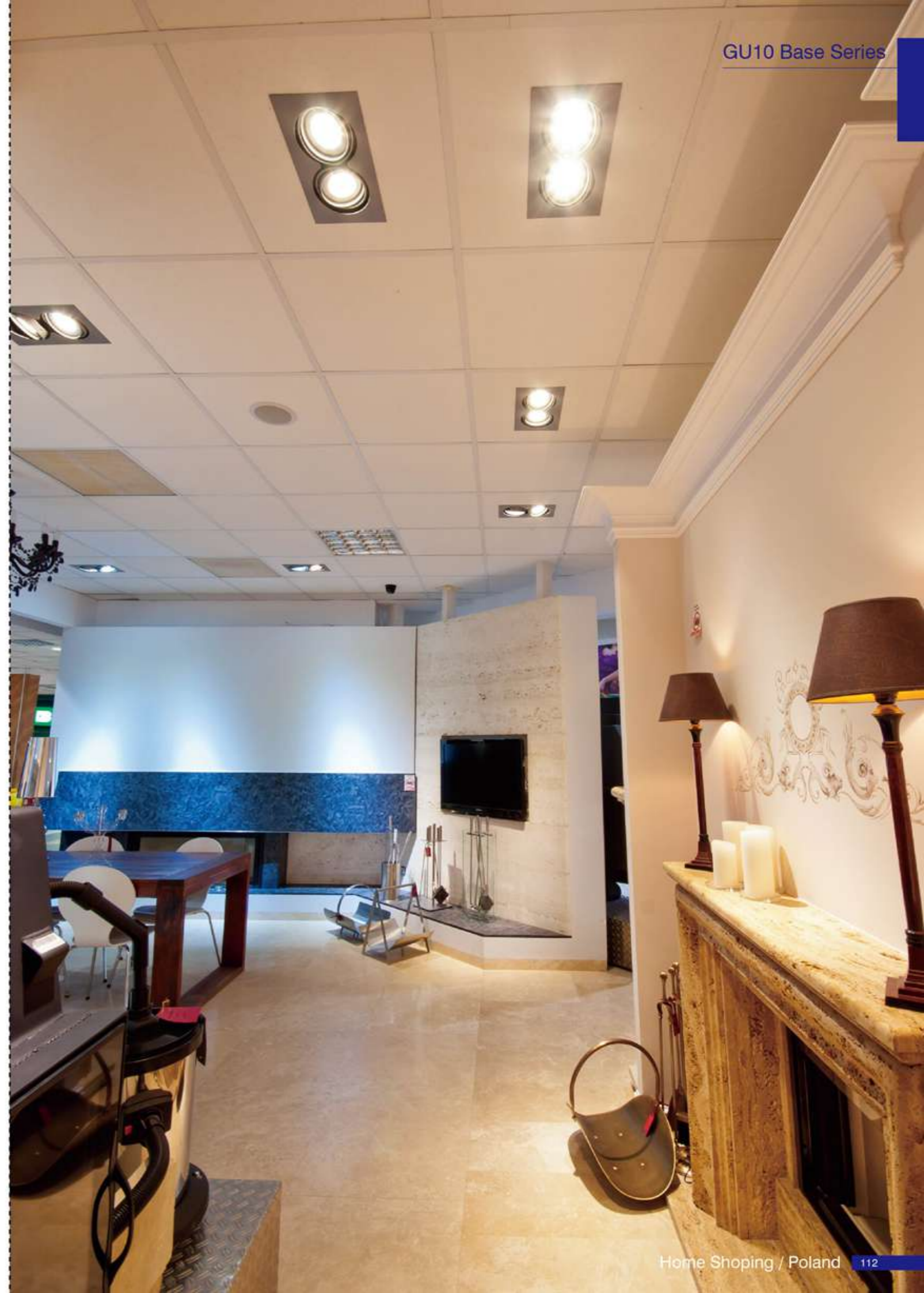


AC 220V~240V  
CRI: CW75, NW80, WW80  
Weight : 220g



Part Number	Beam Angles	Field Angles	CCT	Lux@1m (Typ.)	Lm(Typ.)
ES111C-15410x	25°	45°	6000K	5700	1050
ES111C-15420x			4000K	5200	950
ES111C-15430x			3000K	4600	900
ES111C-10710x	38°	70°	6000K	2100	1050
ES111C-10720x			4000K	1900	950
ES111C-10730x			3000K	1800	900

Notes: 1. The photometric data were measured at initial state. (T<sub>a</sub> = 25°C)  
2. Specifications are subject to change without notice. Please refer to the datasheets for final specifications.

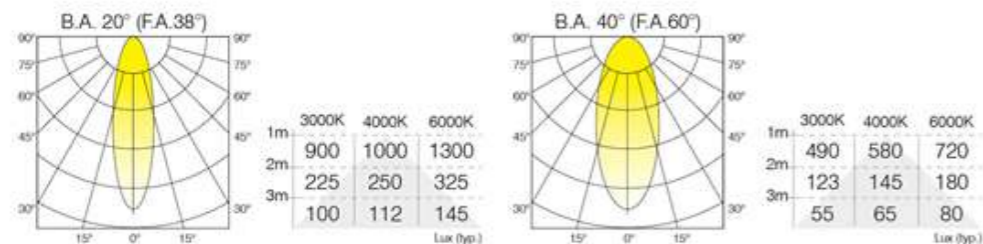


### 3W GU10

White  
Silver



AC 100V-240V  
CRI: CW70, NW75, WW80  
Weight : 50g



Part Number	Beam Angles	Field Angles	CCT	Lux@1m (Typ.)	Lm(Typ.)
GU10-0331xx	20°	38°	6000K	1300	230
GU10-0332xx			4000K	1000	190
GU10-0333xx			3000K	900	150
GU10-0361xx	40°	60°	6000K	720	230
GU10-0362xx			4000K	580	190
GU10-0363xx			3000K	490	150



Notes: 1. The photometric data were measured at initial state. (T<sub>a</sub> = 25°C)  
2. Specifications are subject to change without notice. Please refer to the datasheets for final specifications.

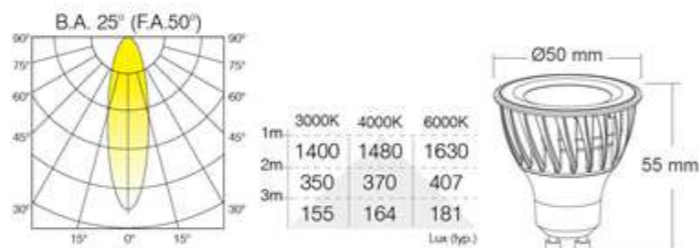


### 6W GU10

White

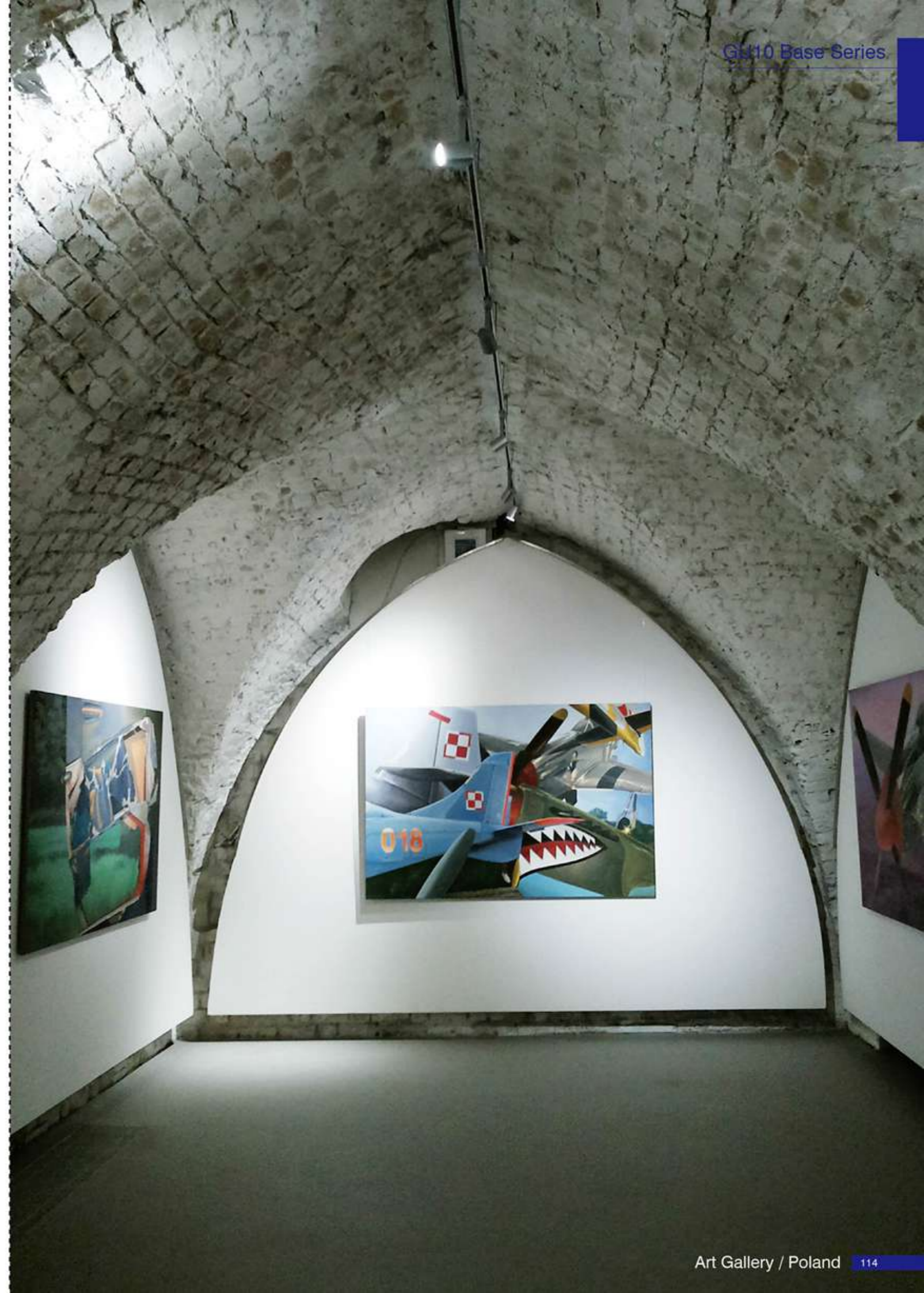


AC 100V-240V  
CRI: CW75, NW80, WW80  
Weight : 70g



Part Number	Beam Angles	Field Angles	CCT	Lux@1m (Typ.)	Lm(Typ.)
GU10C-0651xx	25°	55°	6000K	1630	460
GU10C-0652xx			4000K	1480	420
GU10C-0653xx			3000K	1400	400

Notes: 1. The photometric data were measured at initial state. (T<sub>a</sub> = 25°C)  
2. Specifications are subject to change without notice. Please refer to the datasheets for final specifications.

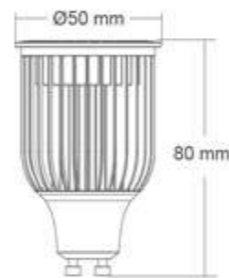
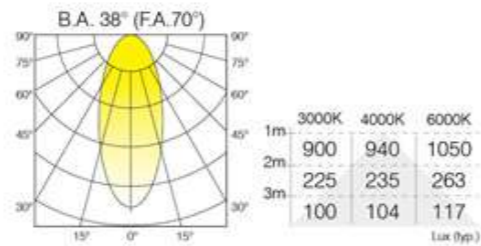
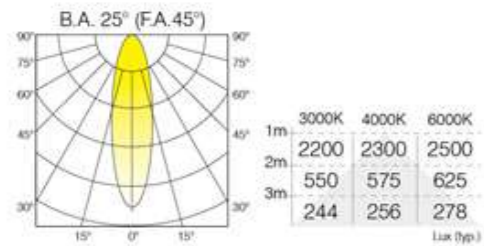




## 7W GU10C White



AC 220V-240V  
 CRI: CW75, NW80, WW80  
 Weight : 100g



Part Number	Beam Angles	Field Angles	CCT	Lux@1m (Typ.)	Lm(Typ.)
GU10C-0741xx	25°	45°	6000K	2500	510
GU10C-0742xx			4000K	2300	460
GU10C-0743xx			3000K	2200	440
GU10C-0743xx	38°	70°	6000K	1050	510
GU10C-0772xx			4000K	940	460
GU10C-0773xx			3000K	900	440

Notes: 1. The photometric datas were measured at initial state. (T<sub>a</sub>=25°C)  
 2. Specifications are subject to change without notice. Please refer to the datasheets for final specifications.

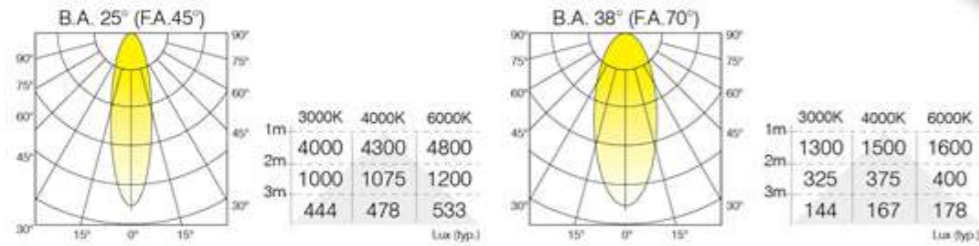


# 12W PAR30F

White



AC 100~120V / AC 220~240V  
 CRI: CW 75, NW 80, WW 80  
 Weight : 300g



Part Number	Beam Angles	Field Angles	CCT	Lux@1m (Typ.)	Lm(Typ.)
PAR30FC-1241xx	25°	45°	6000K	4800	1020
PAR30FC-1242xx			4000K	4300	940
PAR30FC-1243xx			3000K	4000	850
PAR30FC-1271xx	38°	70°	6000K	1600	1020
PAR30FC-1272xx			4000K	1500	940
PAR30FC-1273xx			3000K	1300	850



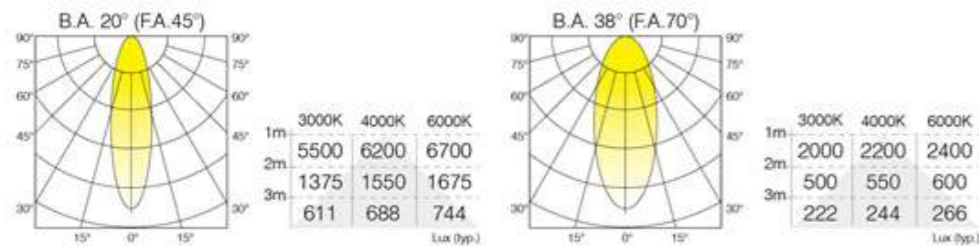
Notes: 1. The photometric data were measured at initial state. (T<sub>a</sub>=25°C)  
 2. Specifications are subject to change without notice. Please refer to the datasheets for final specifications.

# 17W PAR38F

White



AC 100~120V / AC 220~240V  
 CRI: CW 75, NW 80, WW 80  
 Weight : 500g



Part Number	Beam Angles	Field Angles	CCT	Lux@1m (Typ.)	Lm(Typ.)
PAR38FC-1741xx	20°	45°	6000K	6700	1400
PAR38FC-1742xx			4000K	6200	1300
PAR38FC-1743xx			3000K	5500	1150
PAR38FC-1771xx	38°	70°	6000K	2400	1400
PAR38FC-1772xx			4000K	2200	1300
PAR38FC-1773xx			3000K	2000	1150



Notes: 1. The photometric data were measured at initial state. (T<sub>a</sub>=25°C)  
 2. Specifications are subject to change without notice. Please refer to the datasheets for final specifications.

