

MF DESIGN INDUSTRY LTD established on year 2000, is one of the leading manufacturer of LED lighting.

We have professional technical lighting abilities and rich export experience. We mainly focus on commercial LED lights, provided with both completed LED lights and self-assembly lighting kits including down lights, spotlights and track lights etc. We also offer LED wall washers, led ground light and drivers etc.

One of our brand name is "Mflux".

What we can do:

*We have over 1000 sets of moulds, this let our client easy to choose the model or they can improve the new models base on our ready products.

*Our "Team of Mflux" have designers, engineer and skilled workers and QC team.

*With the help of our skilled employees, samples can be finished in few days and our turn over is 500,000 pieces every month - enough to fill volume orders.

*For your assurance, 100% of our finished products are inspected. And because of our meticulousness, we have good repeat order rate of 99%, and our products are compliant with CE standards and the RoHS Directive etc.

Welcome to contact with us for long term co-operation.

We here thanks our customers, suppliers and employees support us!

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**COB LED
Downlight**



My favorable led solution(chapter3)

12W COB LED DOWNLIGHT Data sheet

Product code:MF070727 product image

Features:

- .The light sources is CERAMIC COB LED 12W
- .The luminous Flux is up to 1300lm
- .Best opto performance
- .Excelent cooling system
- .Paired with a specific LED Driver
- .The products is difinitely compatible with the popular halogen lamp such as MR16&GU10 50W
- .Extreme long lifetime of 25,000hrs with 70% lumen maintenance

Application

- .It is ideal for the use of downlight for cloth, perfume, . . . and so on architctural and residential applications
- .Illumination for the replacement using of Halogen MR16 or GU10 50W in shops, hotels, restaurants etc
- .Especially suit for using in locations where minimum maintenance is required during lamp life

Specification

Material	
Lamp case	Aluminum
Reflector	Aluminum
Light source	CERAMIC COB LED 12W
Heatsink	Aluminum fins

Dimensions:

Diameter : 88mm
Height : 80mm
Ceiling hole : 80mm

Parameter

Power requirement	220-240VAC,50-60HZ	VAC
Power consumption	12	WATT
Body temperature	58	°C
Beam angle	38° or 24°	Degree

optical performance

part number	light	CCT (K)	LUMEN	Color Rendering Index
070727	warm white	3000K	1300 Lm	72
	Natural white	4100K	1350 Lm	72
	daylight	6400K	1350 Lm	72

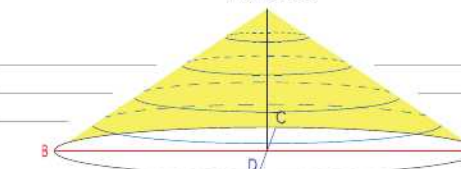


070727-COB 12W 38°

3000K

[m]
1.00
2.00
3.00

G=0.0°
Máx no a G



lux
1000
230
150

d less angle

H[m]	D[m]	Lux	G=0.0 Max no a G
1.0	1.8	1000	
2.0	5	230	
3.0	10	150	

Total heat dissipation
superficial area reach
94160mm²



LED DOWNLIGHT

LED DOWNLIGHT

MF070972

Fixed LED downlight
Diameter: 81mm
CRI option: Normal CRI or RA80, 85, 90, 95
IP20 (could make IP64-Rated)
Reflector degree: 38° or 24°
COB LED 12W
COB LED 9W
COB LED 7W
COB LED 5W
COB LED 3W



COB LED DOWNLIGHT

Dimmable ceramic COB LED downlights

.12W LED, 1300lm = 50W halogen GU10 Bulb
.7W LED, 830lm = 35W halogen GU10 Bulb
(Not only brightness, but also beam Angle)

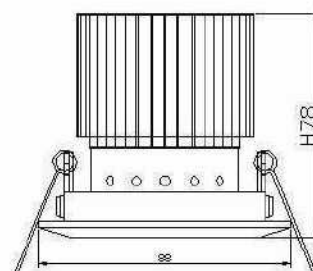
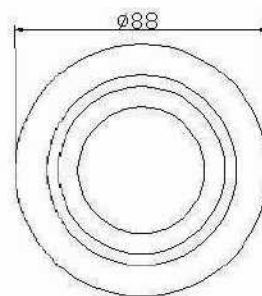
.Function patented in China: patent no: 2013205554404

.Design patented in China: patent no: 2013304304341

.Design patented in Europe: patent no. 002163246

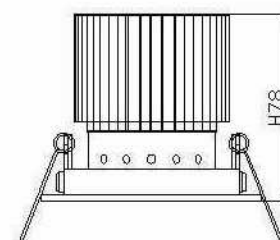
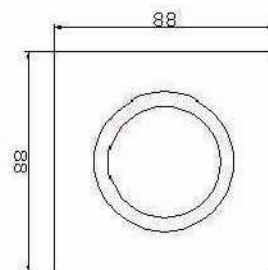
MF070727

Round movable LED downlight
Diameter: 88mm
CRI option: Normal CRI or RA80, 85, 90, 95
IP20
Reflector degree: 38° or 24°
COB LED 12W
COB LED 9W
COB LED 7W
COB LED 5W
COB LED 3W



MF070918

Square movable LED downlight
Diameter: 88*88mm
CRI option: Normal CRI or RA80, 85, 90, 95
IP20
Reflector degree: 38° or 24°
COB LED 12W
COB LED 9W
COB LED 7W
COB LED 5W
COB LED 3W



MF070995

Semi-trimless Round model
Diameter: 88mm
CRI option: Normal CRI or RA80, 85, 90, 95
IP20
Reflector degree: 38° or 24°
COB LED 12W
COB LED 9W
COB LED 7W
COB LED 5W
COB LED 3W



COB LED DOWNLIGHT

Dimmable ceramic COB LED downlights

.12W LED, 1300lm = 50W halogen GU10 Bulb
.7W LED, 830lm = 35W halogen GU10 Bulb
(Not only brightness, but also beam Angle)

.Function patented in China: patent no: 2013205554404

.Design patented in China: patent no: 2013304304341

.Design patented in Europe: patent no. 002163246

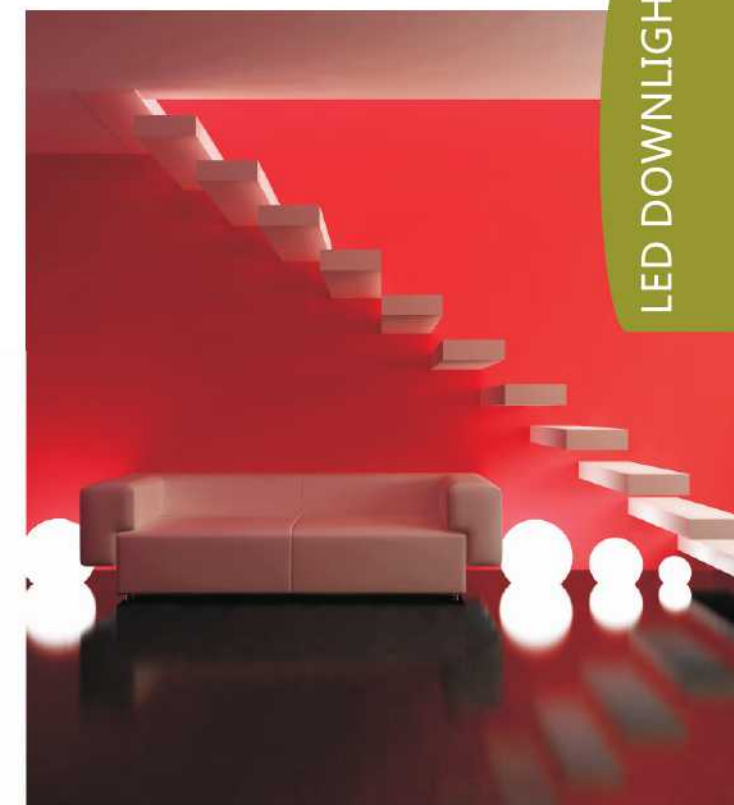
MF070979

Semi-trimless Square model
Diameter: 82.5*82.5mm
CRI option: Normal CRI or RA80, 85, 90, 95
IP20
Reflector degree: 38° or 24°
COB LED 12W
COB LED 9W
COB LED 7W
COB LED 5W
COB LED 3W



MF070993

Trimless model
Diameter: 84mm
CRI option: Normal CRI or RA80, 85, 90, 95
IP20
Reflector degree: 38° or 24°
COB LED 12W
COB LED 9W
COB LED 7W
COB LED 5W
COB LED 3W



MF070989

Pure Aluminium
3-axis Square movable LED downlight
Diameter: 92*92mm
CRI option: Normal CRI or RA80,85,90,95
IP20
Reflector degree: 38° or 24°
COB LED 12W
COB LED 9W
COB LED 7W
COB LED 5W
COB LED 3W



MF070978

Pure Aluminium
3-axis Round movable LED downlight
Diameter: 92mm
CRI option: Normal CRI or RA80,85,90,95
IP20
Reflector degree: 38° or 24°
COB LED 12W
COB LED 9W
COB LED 7W
COB LED 5W
COB LED 3W



MF070899

Pure Aluminium
Open mouth movable LED downlight
Diameter: 85mm
CRI option: Normal CRI or RA80,85,90,95
IP20
Reflector degree: 38° or 24°
COB LED 12W
COB LED 9W
COB LED 7W
COB LED 5W
COB LED 3W



COB LED DOWNLIGHT

Dimmable ceramic COB LED downlights

.12W LED, 1300lm = 50W halogen GU10 Bulb
.7W LED, 830lm = 35W halogen GU10 Bulb
(Not only brightness, but also beam Angle)

.Function patented in China: patent no: 2013205554404

.Design patented in China: patent no: 2013304304341

.Design patented in Europe: patent no: 002163246



MF070917

Pure Aluminium
Diameter: 85mm
CRI option: Normal CRI or RA80,85,90,95
IP20
Reflector degree: 38° or 24°
COB LED 12W
COB LED 9W
COB LED 7W
COB LED 5W
COB LED 3W



MF070911

Pure Aluminium
Diameter: 85mm
CRI option: Normal CRI or RA80,85,90,95
IP20
With COB LED Lens
COB LED 12W
COB LED 9W
COB LED 7W
COB LED 5W
COB LED 3W



MF070944

Pure Aluminium
3-ring movable
Diameter: 110mm
CRI option: Normal CRI or RA80,85,90,95
IP20
Reflector degree: 38° or 24°
COB LED 12W
COB LED 9W
COB LED 7W
COB LED 5W
COB LED 3W





MF070727

Round movable LED downlight

Diameter: 88mm

CRI option: Normal CRI or RA80, 85, 90, 95

IP20

Reflector degree: 38° or 24°

COB LED 12W

COB LED 9W

COB LED 7W

COB LED 5W

COB LED 3W

COB LED DOWNLIGHT

Dimmable ceramic COB LED downlights

.12W LED, 1300lm = 50W halogen GU10 Bulb

.7W LED, 830lm = 35W halogen GU10 Bulb

(Not only brightness, but also beam Angle)

.Function patented in China: patent no: 2013205554404

.Design patented in China: patent no: 2013304304341

.Design patented in Europe: patent no. 002163246



MF070932

IP65-rated COB LED DOWNLIGHT

Dimmable ceramic COB LED downlights

12W LED, 1300lm = 50W halogen GU10 Bulb

7W LED, 830lm = 35W halogen GU10 Bulb

(Not only brightness, but also beam Angle)

Function patented in China: patent no: 2013205554404

Design patented in China: patent no: 2013304304341

Design patented in Europe: patent no. 002163246

IP65-rated LED shower downlight

Diameter: 83mm

CRI option: Normal CRI or RA80, 85, 90, 95

IP65

Reflector degree: 38° or 24°

COB LED 12W

COB LED 9W

COB LED 7W

COB LED 5W

COB LED 3W



MF070728

Diameter: 112mm

Ceiling: 100mm

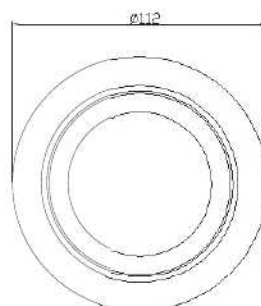
COB LED 20W 2000Lm

IP20

Reflector degree: 38° or 24°

COB LED 20W

COB LED 15W



MF070729

Diameter: 154mm

COB LED 30W 3000Lm

IP20

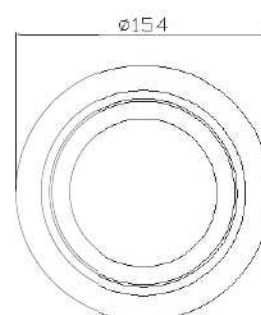
Reflector degree: 38° or 24°

COB LED 30W

COB LED 25W

COB LED 20W

COB LED 15W



MF070930

Big palte round movable LED Downlight
 Diameter:180mm
 Ceiling hole: Adjustable from 80mm to 170mm
 CRI option: Normal CRI or RA80,85,90,95
 IP20
 Reflector degree:38° or 24°
 COB LED 12W
 COB LED 9W
 COB LED 7W
 COB LED 5W
 COB LED 3W



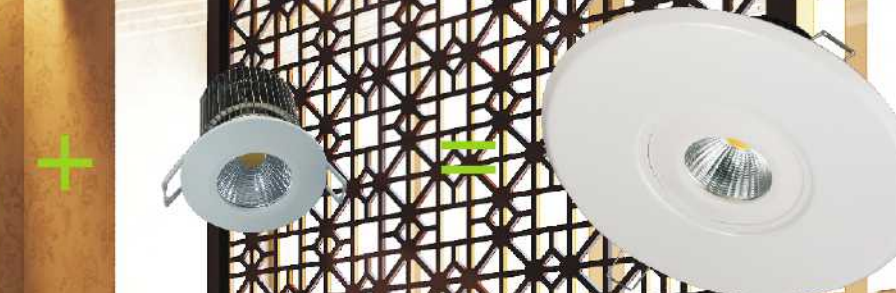
Mf070934

Big palte adaptive ring
 Diameter:180mm
 Suitable for the LED Downlight:
 MF070727, MF070978, MF070899,
 MF070917, MF070911, MF070932



Mf070931

Big palte adaptive ring
 Diameter:180mm
 Suitable for the LED Downlight
 MF070972, adapt to the big plate



LED DOWNLIGHT

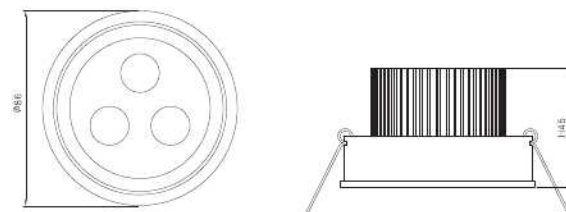
LED DOWNLIGHT





MF070763

Pure Aluminium
Diameter: 86 mm
Ceiling: 80mm
High Power LED 3*1W
LED Color: warm white / white /cool white /blue /yellow /green /red
IP20
Fixture color: white/ black/grey/CNC brush/CNC mirror/CNC oxidation

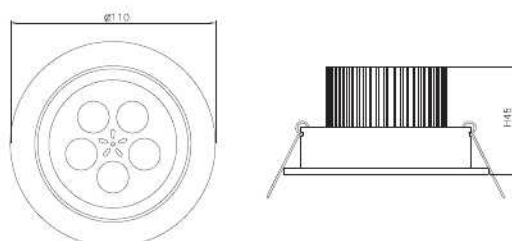


Round and movable led downlight , built in 5*1W high power led, with perfect heat sink base, to guarantee the low loss of the light reduction.

The whole luminaire body made of pure Aluminium to meet with the high Requirement of LED downlight

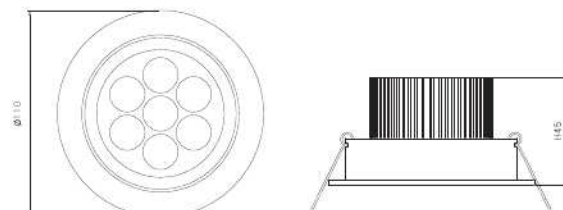
MF070745

Pure Aluminium
Diameter: 110mm
Ceiling: 95mm
High Power LED 5*1W
LED Color: warm white / white /cool white /blue /yellow /green /red
IP20
Fixture color: white/ black/grey/CNC brush/CNC mirror/CNC oxidation



MF070747

Pure Aluminium
Diameter: 105mm
Ceiling: 95mm
High Power LED 7*1W
LED Color: warm white / white /cool white /blue /yellow /green /red
IP20
Fixture color: white/ black/grey/CNC brush/CNC mirror/CNC oxidation



MF070945

Double color Fixed LED Downlight
Pure Aluminium
Diameter: 109mm
Ceiling: 103mm
High power LED 3*1W+SMD LED 2W
LED color:
main color: warm white, natural white or cool white
side color: red, blue, yellow, green
IP20



My favorable Led Solution (chapter 2)

1W/3W LED MINI SPOT LIGHT Data sheet

Product image

PRODUCT CODE: 070894

FEATURES:

- .The light sources is High power LED 1W OR 3W
- .The luminous Flux is up to 114lm (1w) and 200lm (3W)
- .Best opto performance
- .Excelent cooling system
- .Paired with a specific LED Driver
- .The products is difinitely have the new light experience for which the traditional lamps can not get
- .Extreme long lifetime of 25,000hrs with 70% lumen maintenance

APPLICATION

- .It is ideal for the use of this mini led spot for diamond , watch , perfume , glasses ... and so on
- .Passion illumination Scene for the place using hundred of this mini led spot
- .especially suit for using in locations where minimum maintenance is required during lamp life

SPECIFICATION

material

Lamp case	Aluminum
Lens	Optical grade Acrylic
Light source	High power LED Cree 1w or 3W
Wire	Silicone

PRODUCT CODE: 070897 1*3W

High Power LED: 1*3W
Number of LED: 1pcs
Life time:30000 hours
Housing: Aluminium
Beam Angle: 30° 60°
IP20



DIMENSIONS:

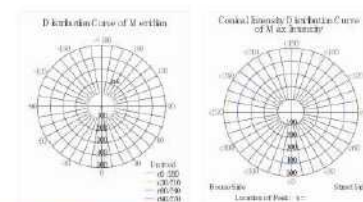
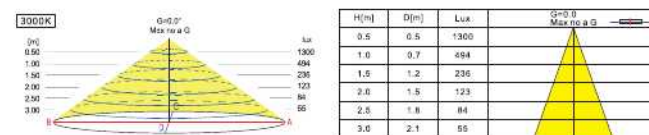
Diameter: 23mm
Height : 38mm
Ceiling hole: 21mm



PARAMETER

Power requirement	220-240 VAC, 50-60HZ	VAC
Power consumption	1 (or3)	WATT
Body temperature	51	° C
Beam angle	30° or 60°	Degree

light pattern 070894 Led 1x1w 3000k 30°



OPTICAL PERFORMANCE

part number	light	CCT (K)	LUMEN	Color Rendering Index
070894	warm white	3000K	87.4Lm	80
	Cool white	4100K	100Lm	75
	daylight	6400K	114Lm	75

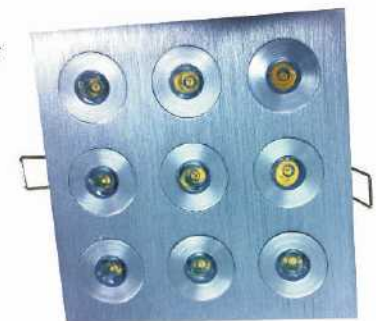
PRODUCT CODE: 070914

High Power LED: 4*1W / 4*3W
Number of LED: 4pcs
Life time:30000 hours
Housing: Aluminium
Beam Angle: 30° 60°
IP20



PRODUCT CODE: 070919

High Power LED: 9*1W / 9*3W
Number of LED: 9pcs
Life time:30000 hours
Housing: Aluminium
Beam Angle: 30° 60°
IP20

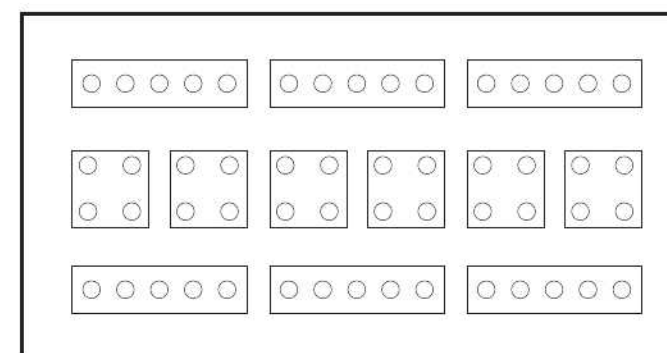


PRODUCT CODE: 070915

High Power LED: 5*1W / 5*3W
Number of LED: 5pcs
Life time:30000 hours
Housing: Aluminium
Beam Angle: 30° 60°
IP20



PROJECT EXAMPLE:



○ ○ ○ ○ ○ : Recessed straight frame with 5pcs of Mini Led spot

○ ○
○ ○ : Recessed square frame with 4pcs of Mini led spot

□ : ceiling





6W GU10 LED Bulb



5W GU10 LED Bulb



4W LED Bulb



3W LED Bulb

+



Lighting Fixture(070003)



Lighting Fixture(070232)



Lighting Fixture(070578)



Lighting Fixture(070118)

+



Class II Lamp holder



Economical Lamp holder



Adjustable LED Downlight Kits



Fixed LED Downlight Kits



IP64-rated LED Downlight Kits



3-axis adjustable LED Downlight Kits

LED DOWNLIGHT

LED DOWNLIGHT



MF070033

Fixed
Aluminium Die Casting
Diameter: 77mm
Ceiling: 65mm



MF070003

Movable
Aluminium Die Casting
Diameter: 84mm
Ceiling: 78mm



MF070039

Fixed Square
Aluminium Die Casting
Diameter: 75*75mm
Ceiling: 65mm



MF070118

Movable Square
Aluminium Die Casting
Diameter: 83*83mm
Ceiling: 78mm

MF070109

Twister lock Fixed
Aluminium Die Casting
Diameter: 81mm
Ceiling: 75mm



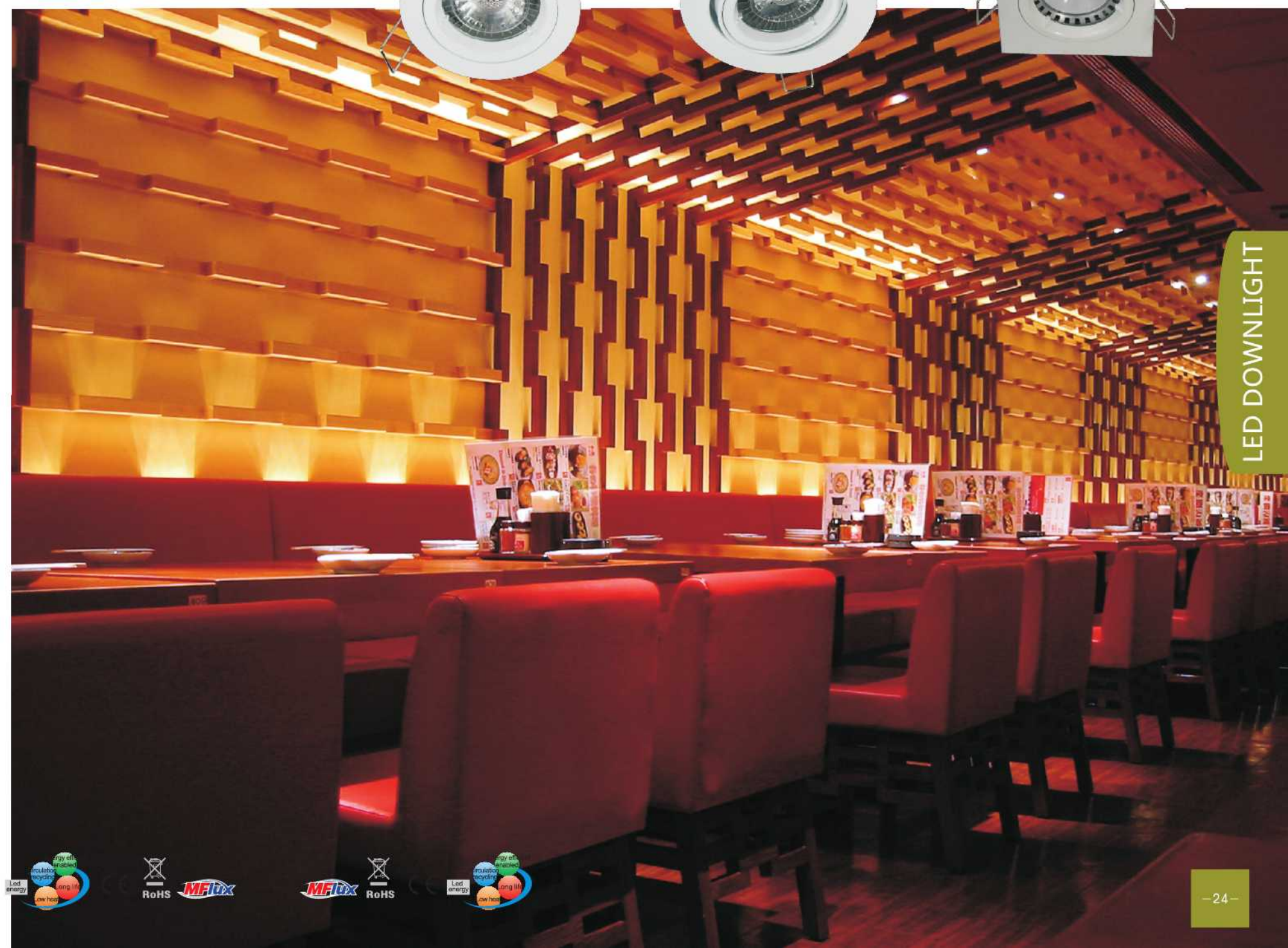
MF070229

Twister lock Movable
Aluminium Die Casting
Diameter: 94mm
Ceiling: 85mm



MF070078

Twister lock Square
Aluminium Die Casting
Diameter: 80*80mm
Ceiling: 75mm



LED DOWNLIGHT

LED DOWNLIGHT



MF070568

Movable
Pure Aluminium
Diameter:ø85mm
Ceiling:ø80mm



MF070596

Movable
Pure Aluminium
Diameter:ø82mm
Ceiling:ø75mm



MF070578

Pure Aluminium
Diameter:ø92mm
Ceiling:ø85mm



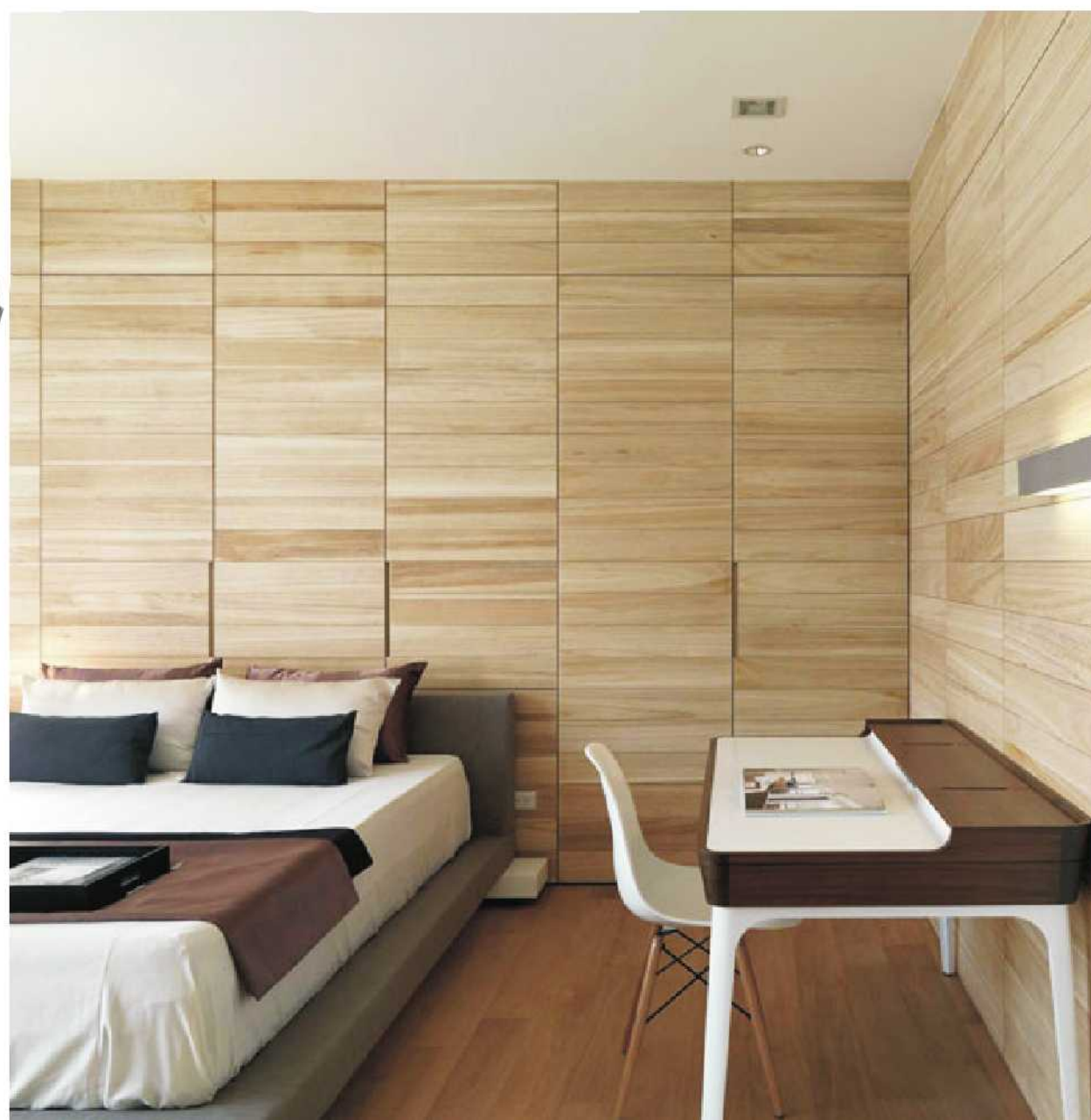
MF070519

Pure Aluminium
Diameter:92*92mm
Ceiling:ø85mm



MF070572

Fixed
Pure Aluminium
Diameter:ø79mm
Ceiling:ø70mm



MF070574

Pure Aluminium
Diameter:185*92mm
Ceiling:170*80mm



MF070575

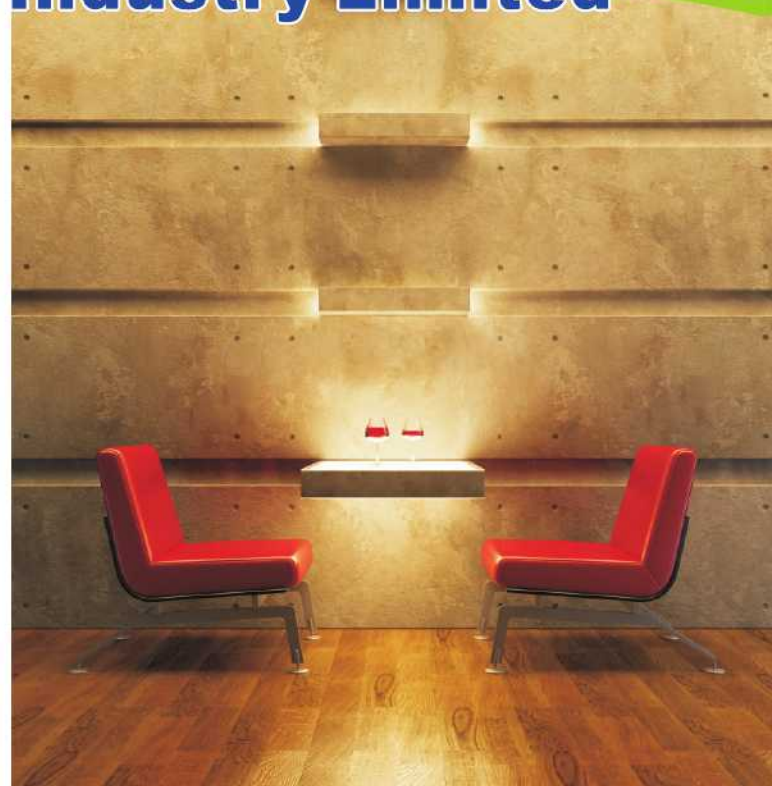
Pure Aluminium
Diameter:282*92mm
Ceiling:240*85mm



MF070577

Pure Aluminium
Diameter:330*92mm
Ceiling:320*85mm

LED DOWNLIGHT



MF070232

IP65 Shower Downlight
Diameter:83mm
Ceiling:78mm



MF070555

Semi-trimless
Aluminium Die Casting
Diameter:88mm



MF070579

Semi-trimless Square
Aluminium Die Casting
Diameter:82.5*82.5mm



MF070723

Trimless
Aluminium Die Casting
Diameter:84mm



MF070865

Trimless Square
Aluminium Die Casting
Diameter:86*86mm



MF070680

IP65 Shower Downlight
Diameter:83mm
Ceiling:78mm



MF070479

IP65 Shower Downlight Square
Diameter:83*83mm
Ceiling:78mm



MF070192

Steel
Ceiling:50mm
Height:90mm
Diameter:80mm



MF070193

Steel
Diameter:100mm
Ceiling:80mm



MF070154

Metal
Diameter:95mm
Ceiling:85mm



MF070201

Metal
Diameter:80mm
Ceiling:70mm



MF070008

Steel
Diameter:70mm
Ceiling:70mm



MF070214

Iron
Diameter:90*90mm
Ceiling:82*82mm



MF070221

Iron
Diameter:100*100mm
Ceiling:95mm



MF070215

Iron
Diameter:90*90mm
Ceiling:82*82mm



MF070222

Iron
Diameter:128mm
Ceiling:95mm





MF130364

Alumina LED Downlight
Diameter: 2", 3", 3.5", 4", 5", 6"
IP20



Item No	Diameter	Height	Watt
MF130335	240mm	90mm	30W
MF130334	190mm	83mm	20W
MF130288	160mm	79mm	15W
MF130290	130mm	75mm	10W
MF130320	91mm	55mm	5W



LED DOWNLIGHT