

# LED DOWN LIGHT

## Features

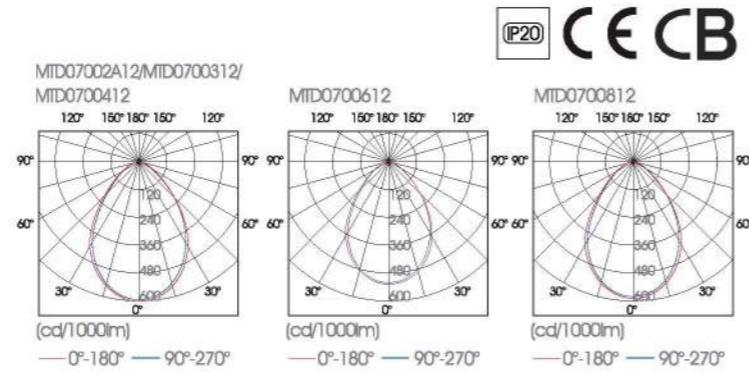
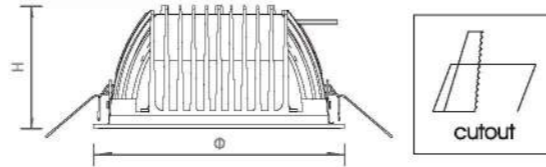
More than 50% energy saving compared with CFL down light  
 Dedicated design for minimizing glare  
 The same cutout dimension as CFL, 2.5", 3", 4", 6" and 8"

## Benefits

Much lowering energy cost and maintenance cost  
 Low glare for passing customers  
 Ideal replacement solution for a wide variety of CFL down light

## Application

For general lighting in offices, retails, hotels, hospitals and airports, etc



## Specification

### HM Series

Picture	Model	Voltage	Power	Power Factor	Lumen	Beam Angle	CRI	CCT	Cutout	Dimension	Life Time	IP	QTY/CTN
	MTD07002A12	AC220-240V	5W	0.70	330lm	75°	≥80	3000K	Φ82mm	Φ90*H46.7mm	30,000hrs	IP20	18pcs
					370lm			4000K					
					400lm			5700K					
	MTD0700312	AC220-240V	6W	0.70	420lm	75°	≥80	3000K	Φ100mm	Φ110*H61.7mm	30,000hrs	IP20	18pcs
					480lm			4000K					
					520lm			5700K					
	MTD0700412	AC220-240V	9W	0.70	700lm	80°	≥80	3000K	Φ120mm	Φ130*H69.5mm	30,000hrs	IP20	18pcs
					800lm			4000K					
					850lm			5700K					
	MTD0700612	AC220-240V	14W	0.85	1100lm	80°	≥80	3000K	Φ175mm	Φ185*H90.3mm	30,000hrs	IP20	8pcs
					1200lm			4000K					
					1400lm			5700K					
	MTD0700812	AC220-240V	29W	0.95	2300lm	80°	≥80	3000K	Φ210mm	Φ220*H113.3mm	30,000hrs	IP20	8pcs
					2500lm			4000K					
					2700lm			5700K					
					3300lm			3000K					
	MTD0700812/01	AC220-240V	42W	0.95	3700lm	80°	≥80	4000K	Φ210mm	Φ220*H113.3mm	20,000hrs	IP20	8pcs
					4200lm			5700K					

## Energy Saving Comparison

Energy Saving Rate: Up to 50%  
 Life Time Comparison: 8,000hrs VS 30,000hrs



Item	System Power	Luminous Flux	Efficacy	CRI	Life Time
LED HM Down Light 9W	9W	800lm	88lm/W	≥80	30,000hrs
CFL Down Light 18W	21W	760lm	36lm/W	80	8,000hrs

Remarks:  
 1. The efficiency of issued CFL down light ballast is 85%  
 2. Luminaire efficiency of issued CFL down light is 70%

## Advantages of HM Series

Unique design of heat sink in 'ladder-shape'



Driving high efficiency of heat movement and conduction

Stable performance & longer life span

Embedded design of LED emitter



Shield angle >30 degrees

Low glare for conform version

PMMA Reflecting Cover



88% light transmittance

Excellent lumen output

Longer life time, lower lighting decay, higher energy-saving efficiency



# LED DOWN LIGHT

## Features

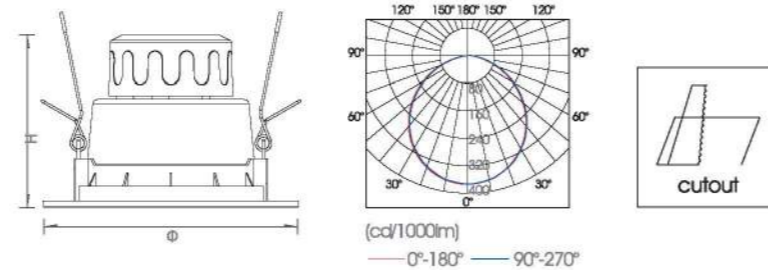
- High system efficacy, more than 50% energy saving than CFL down light system
- Stable color performance and high color rendering
- Longer system lifetime, high reliability
- Integrated structure, easy for installation

## Benefits

- Lowering energy cost and maintenance cost
- Simply "fit and forget", easy to switch from CFL to LED
- Quick CFL replacement solution with attractive payback time

## Application

For general lighting in offices, retails, hotels and hospitals, etc



## Specification

### HZ Series

Picture	Model	Voltage	Power	Power Factor	Lumen	Beam Angle	CRI	CCT	Cutout	Dimension	Life Time	IP	QTY/CTN
	MTD07002A12/11	AC220-240V	4W	0.50	230lm	108°	>80	3000K	Φ 85mm	Φ 100*68mm	15,000hrs	IP20	40 pcs
					250lm			4000K					
					270lm			5700K					
	MTD0700312/12	AC220-240V	5W	0.53	320lm	108°	>80	3000K	Φ 100mm	Φ 115*76mm	15,000hrs	IP20	40 pcs
					350lm			4000K					
					370lm			5700K					
	MTD0700412/12	AC220-240V	8.5W	0.76	560lm	108°	>80	3000K	Φ 120mm	Φ 140*80mm	15,000hrs	IP20	24 pcs
					600lm			4000K					
					640lm			5700K					
	MTD0700612/13	AC220-240V	13W	0.80	930lm	108°	>80	3000K	Φ 172mm	Φ 190*82mm	15,000hrs	IP20	24 pcs
					1000lm			4000K					
					1070lm			5700K					

## Energy Saving Comparison

Energy Saving Rate: Up to 50%  
Life Time Comparison: 8,000hrs VS 15,000hrs



Item	System Power	Luminous Flux	Efficacy	CRI	Life Time
LED HZ Down Light 9W	6W	370lm	61lm/W	≥80	15,000hrs
CFL Down Light 11W	13W	378lm	29lm/W	80	8,000hrs

Remarks:  
1. The efficiency of issued CFL down light ballast is 85%  
2. Luminaire efficacy of issued CFL down light is 60%



# LED DOWN LIGHT

## LED Slim Down Light-CompactPearl



### Features

- Stylish and compact design
- Long lifespan of 20,000hrs lifespan
- High brightness and soft light
- Instant light on and promote restart, no flickering

### Benefits

- Up to 40% energy savings compared with fluorescent down light system, lowering operation cost and maintenance cost remarkably
- Keep the indoor decoration unity and perfect effect, fashionable feeling
- Comfortable delightful lighting environment

### Application

- For general lighting in home, school, hotels, hospitals and office, etc



## Specification

### Slim downlight

Picture	Model	Voltage	Power	Power Factor	Lumen	Beam Angle	CRI	CCT	Cutout	Dimension	Life Time
	LED MTD006/SR	AC100-240V	6W	0.50	340lm	120°	≥70	3100K	Φ110mm	Φ120*13mm	20,000hrs
					350lm			4100K			
					360lm			6400K			
	LED MTD012/SR	AC100-240V	12W	0.50	780lm	120°	≥70	3100K	Φ160mm	Φ170*13mm	20,000hrs
					800lm			4100K			
					820lm			6400K			
	LED MTD006/SS	AC100-240V	6W	0.50	340lm	120°	≥70	3100K	110*110mm	120*120*13mm	20,000hrs
					350lm			4100K			
					360lm			6400K			
	LED MTD012/SS	AC100-240V	12W	0.50	780lm	120°	≥70	3100K	160*160mm	170*170*13mm	20,000hrs
					800lm			4100K			
					820lm			6400K			

## Energy Saving Comparison

### CompactPearl energy comparison



Item	System Power	Luminous Flux	Efficacy	Life Time
LED CompactPearl 8W	8W	400lm	50lm/W	20,000hrs
CFL Down Light 11W	13W	400lm	34lm/W	8,000hrs

#### Remarks:

- The efficiency of issued CFL down light ballast is 85%
- Luminaire LOR of issued CFL down light is 60%

