



Indoor Architecture Cylinder MACD02 Series is a luminaire with endless possibilities. Whether you want to create a conspicuous effect or a low-key overhead effect, you can achieve it with multiple colors, multiple mounting options, multiple optics, beam angle selectable, CCT selectable options and more. MACD02 uses high color rendering 80CRI or 90CRI LEDs to ensure excellent color consistency and provide smooth, uniform and excellent lighting for the space, thereby providing residents with a comfortable living experience.

SPECIFICATIONS

Construction

- The durable aluminum heat sink can effectively conduct the heat away from the LED module, thereby improving optical performance and extending service life.
- Offered in three sizes, 3", 4" and 6" diameters, and available in a textured Black, and White finish, as well as any custom specified RAL finish.
- Seamless cylinder body with a clean appearance, and offering field interchangeable parts, makes installation exceptionally simple.

Optics

- Light engines are available in CCT adjustable, the CCT can be changed to 2700K/3000K/3500K/4000K/5000K(80CRI or 90CRI).
- Dim to warm option 1800-3000K.
- Scalable Lumen Packages from 1430 to 4,000 Lumens.
- Beam angle is adjustable continuously from 18° to 50°, with preset stops at 18°, 24°, 36°, and 50°.
- Offering three types of baffles: vortex baffle, cross baffle, and wall wash baffle.
- Lens accessories are available in : Linear spread, Hex louver, Softening optics.

Electrical

- Universal 120-277VAC input voltage.
- Compatible With Leading-edge/Trailing-edge Dimmer/0-10V.
- Three adjustable Wattage levels available for each model: 50% / 75% / 100%.
- Driver power factor >0.9, THD <20%.
- Operating Temperature Range: -20°C to 40°C (-4°F - + 104°F).

Installation

- Surface Mount
- Adjustable Surface Mount
- Cord Pendant Mount
- Stem Pendant Mount

Lifespan

- Estimated 50,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations.

Warranty

- Five-year limited warranty.

Note

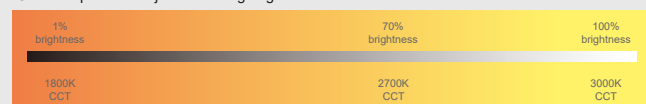
Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C (+5 °C) specifications subject to change without notice.

DIM TO WARM

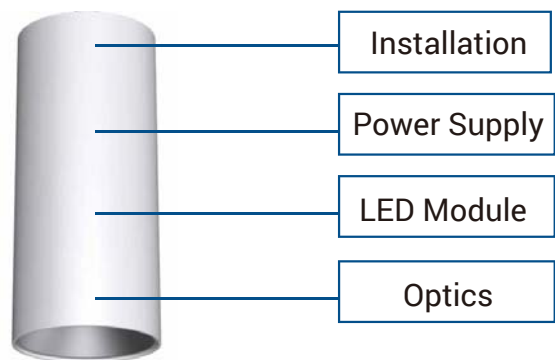
The brightness and color temperature of the light can be flexibly adjusted according to different scenes and needs, providing a richer visual experience. The specific advantages are as follows:

Create a comfortable atmosphere and provide a better visual experience. Be highly energy-efficient and effectively reduce heat emissions. Be compatible with intelligent control systems and adapt to various application scenarios.

Color temperature adjust according brightness



MODULAR DESIGN AND MULTIPLE COLORS ARE AVAILABLE FOR SELECTION



Concept of modular design lies in facilitating users to conduct rapid assembly and adjustment operations by themselves according to their own needs. For example, they can change the installation method, replace optical modules, or alter the color of the shell, etc.

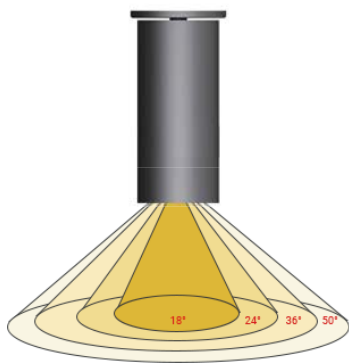
CHANGE THE AESTHETIC IN SECONDS*



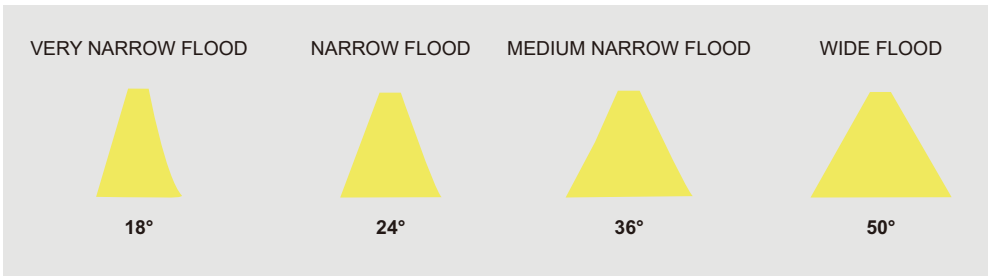
An innovative design uses shell accessories fitting on or over existing fixtures to change their aesthetics.

BEAM ANGLE ADJUSTABLE

Optical adjustable 18°~50°




Select From 4 Options



*The square size only suits 4 inches.

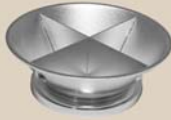
TRIMS

The cylinder features a universal housing that allows for the addition of different baffles to achieve various light distributions.




Vortex Baffle

The Vortex Baffle, casts a uniform and comfortable light without harsh shadows.




Cross Baffle


The Cross Baffle provides focused lighting with no glare.

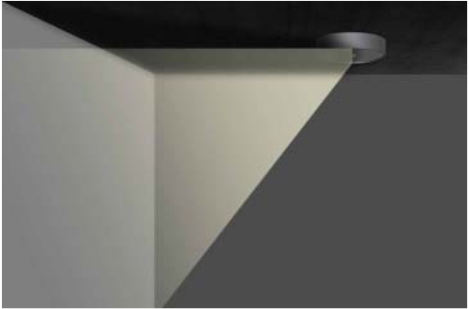


Wall Wash Baffle

The Wash Baffle allow for a soft and uniform wash of light on the wall.







WATTAGE AND CCT ADJUSTMENT

This Cylinder Light allows for on-site adjustment of lumen output and color temperature, supporting adjustments for 3 lumen outputs and 5 color temperatures.

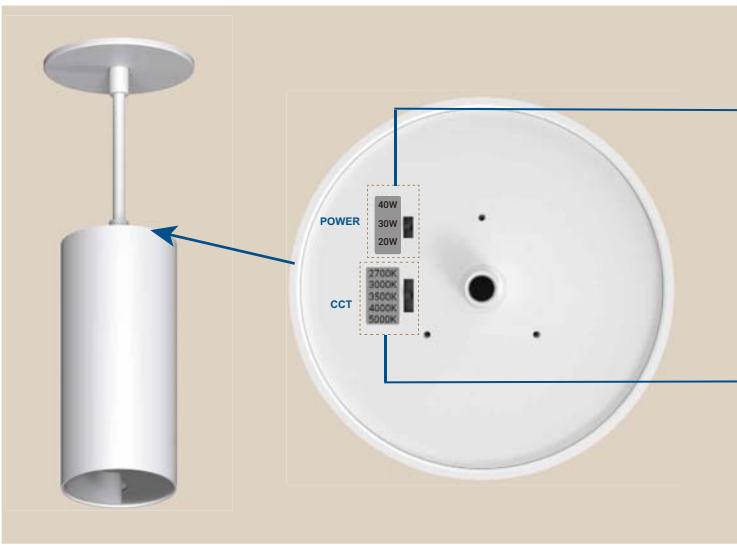


Diagram showing the cylinder light and its top view with adjustment controls.

WATTAGE SELECT:

Each model supports 3 positions wattage regulation:100%, 75%, 50%

50%

75%

100%

CCT ADJUSTABLE

Five CCT adjustable:2700K, 3000K, 3500K, 4000K, 5000K

5 CCT

2700K

3000K

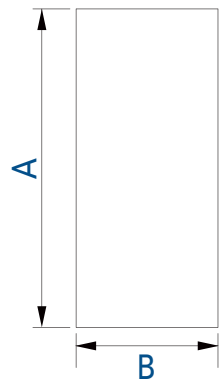
3500K

4000K

5000K

DIMENSION

unit: mm/inch

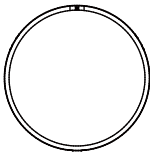


Item	A	B
3"	211mm/8.3 in.	Ø73mm/2.87 in.
4"	211mm/8.3 in.	Ø94mm/3.7 in.
6"	254mm/10 in.	Ø150mm/5.9 in.


LENS (Optional)

By changing different optical lenses, the Cylinder Light can achieve various lighting effects.


Pairing the fixture with the perfect lens accessory, such as a Linear Lens for elongating the beam to throw light on a wall, a Hexcell Lens for further glare reduction, or a Softening Lens for light diffusion, can enhance its performance.




Softening




Casts a uniform, soft and comfortable light.




Linear Spread



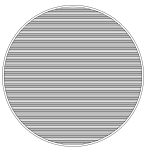
Elongate the beam, and the light type changes from circular spot to rectangular spot.




Single side Wall Wash Lens



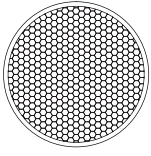
Light type changes from circular spot soft and uniform wash of light on the wall.




Double side Wall Wash Lens



Light type has changed from circular spots to soft and uniform washed light on both sides of the wall.

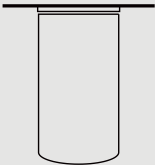


Hex Louver



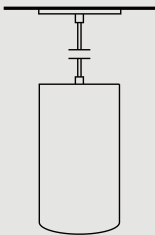
Provides focused lighting with reduce glare, UGR<9.

MOUNTING OPTIONS



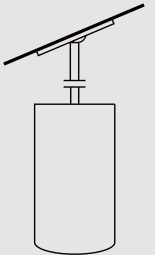
Surface

1



Cord Pendant

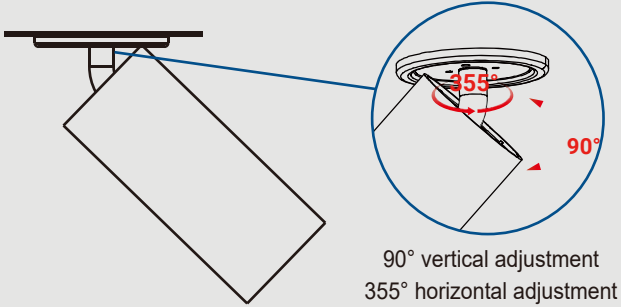
2



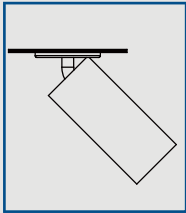
Stem Pendant

3

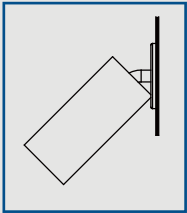
Adjustable surface mount option



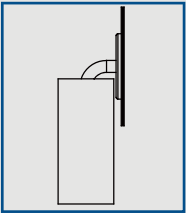
90° vertical adjustment
355° horizontal adjustment



45 degrees adjustable ceiling mount



45 degrees adjustable wall mount



90 degrees adjustable wall mount

4

PERFORMANCE DATA

MACD02 15W											
SETTING	POWER	2700K(90CRI)		3000K(90CRI)		3500K(90CRI)		4000K(90CRI)		5000K(90CRI)	
		Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW
LV1	15W	1430lm	95lm/W	1430lm	95lm/W	1430lm	95lm/W	1500lm	100lm/W	1500lm	100lm/W
LV2	11W	1050lm	95lm/W	1050lm	95lm/W	1050lm	95lm/W	1100lm	100lm/W	1100lm	100lm/W
LV3	8W	760lm	95lm/W	760lm	95lm/W	760lm	95lm/W	800lm	100lm/W	800lm	100lm/W

MACD02 25W											
SETTING	POWER	2700K(90CRI)		3000K(90CRI)		3500K(90CRI)		4000K(90CRI)		5000K(90CRI)	
		Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW
LV1	25W	2380lm	95lm/W	2380lm	95lm/W	2380lm	95lm/W	2500lm	100lm/W	2500lm	100lm/W
LV2	19W	1800lm	95lm/W	1800lm	95lm/W	1800lm	95lm/W	1900lm	100lm/W	1900lm	100lm/W
LV3	13W	1240lm	95lm/W	1240lm	95lm/W	1240lm	95lm/W	1300lm	100lm/W	1300lm	100lm/W

MACD02 40W											
SETTING	POWER	2700K(90CRI)		3000K(90CRI)		3500K(90CRI)		4000K(90CRI)		5000K(90CRI)	
		Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW
LV1	40W	3800lm	95lm/W	3800lm	95lm/W	3800lm	95lm/W	4000lm	100lm/W	4000lm	100lm/W
LV2	30W	2850lm	95lm/W	2850lm	95lm/W	2850lm	95lm/W	3000lm	100lm/W	3000lm	100lm/W
LV3	20W	1900lm	95lm/W	1900lm	95lm/W	1900lm	95lm/W	2000lm	100lm/W	2000lm	100lm/W

ORDERING GUIDE

Example: IMACD02 3 15W 27V DDK Y Y Y Y Y Y Y Y

IUS	Fixture Type	Size	Power	Voltage	CCT	Finish	CRI	Beam Angle	Lens (Option)	Baffle Finish(Option)	CCT and Power Adjustable(Option)	Mounting (Option)	Internal Code
I	MACD02 Cylinder Series	3 3 inch 4 4 inch 6 6 inch	15W 15Watts 25W 25Watts 40W 40Watts	27V 120-277V 34V 120-347V	DDK Adjustable CCT 2700-5000K DTW Dim to warm 1800-3000K 27 2700K 30 3000K 35 3500K 40 4000K 50 5000K	B Black W White G Gray	H 80 Y 90	18 18 degree 24 24 degree 36 36 degree 50 50 degree AT 18-50 Degree Adjustable	S Softening Lens LS Linear Spread Lens SW Single side Wall Wash Lens DW Double side Wall Wash Lens HL Hex Louver Lens Blank Without Lens	VB Vortex Baffle CB Cross Baffle WB Wall Wash Baffle	AD With adjustment dial Blank Without adjustment dial	SM Surface Mount CM1 4ft Cord Pendant Mount CM2 12ft Cord Pendant Mount ST3 4ft Stem Pendant Mount ST4 8ft Stem Pendant Mount AS Adjustable Surface Mount	Blank Alphanumeric