

Ceramic Metal Halide lamp for energy saving

# ***EYE CERA ARC™ 360***



**Eco-friendly light for the earth.**



# Eco-Friendly Solution w

## EYE CERA ARC

### Ceramic metal halide direct replacement for standard metal halide lamps

Operates on reactor type ballast for 400W mercury with ignitor. Just screw the lamp into the socket as a replacement for standard metal halide.

### Energy saving

Saves approximately 5-10% system wattage consumption per socket.

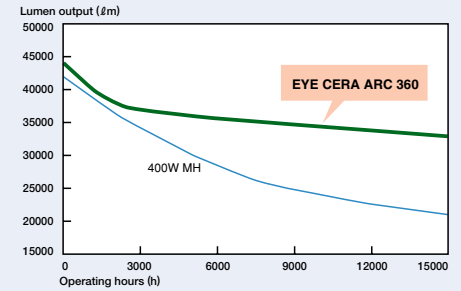
### 117lm/W, high efficacy

High efficacy supports energy saving by reducing the number of fixtures required to achieve design lumens.



### Stay bright with high lumen maintenance

Keeps brighter longer with 75% maintained lumens at the end of lamp life.



### Shrouded, "Protected" design



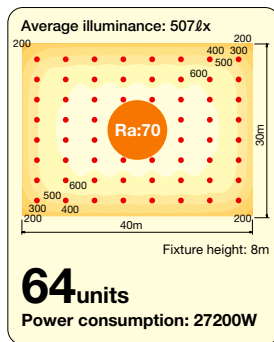
"Protected" design makes it possible to be used in fixtures without front glass. Low cost and low loss in fixture performance.

## 41% energy saving and dramatic reduction of CO2 emission

Lighting plans using 400W metal halide lamps and EYE CERA ARC lamps

**EYE shade SAW413** + **Metal halide lamp MF400/BUH**

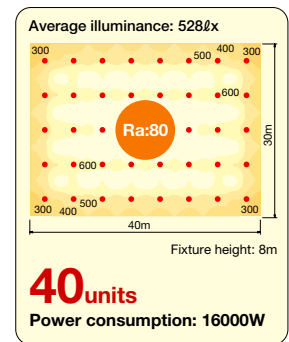
Lumens: 38000lm  
Maintenance factor 0.48  
Ra: 70



**CO<sub>2</sub>**  
about 19t reduction  
About **41%** energy saving annually  
Reduction of 24 units with higher illuminance

**EYE shade SAW413** + **EYE CERA ARC CM360F/W/SH/BUH**

Lumens: 42000lm  
Maintenance factor 0.67  
Ra: 80



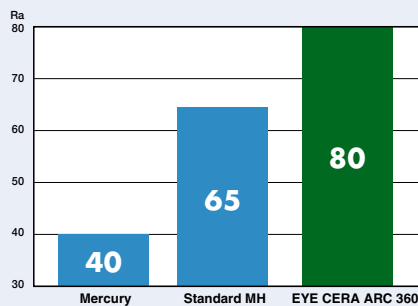
Energy saving is calculated on power consumption(W) x annual operation hours(3000h).  
CO<sub>2</sub> reduction is calculated on 0.555kg CO<sub>2</sub>/kWh.

# with EYE CERA ARC™ 360

## EYE CERA ARC ACE

### Good colour rendering

Ra 80, high colour rendering makes installations more productive and attractive with reduced colour shift and imperceptible lamp to lamp colour variation.



### Excellent colour stability

Ceramic arc tube provides a very stable light colour during lamp life.

### UV-cut

Prevents lit objects from fading by UV-cut coating on outer bulb. Maintains high output with polycarbonate lenses.



### Ceramic metal halide direct replacement for high pressure mercury lamps

Operates on reactor type ballast for 400W mercury without ignitor. Just screw the lamp into the socket as a replacement for mercury lamp.

### Energy saving

Saves approximately 5-10% system wattage consumption per socket.

### Up to 117lm/W, high efficacy

High efficacy supports energy saving by reducing the number of fixtures required to achieve design lumens.

### Built-in FEC ignitor

FEC protects ballast and wiring when lamp ceases to operate as the ignition pulse will be stopped automatically. No continuous high voltage pulsing at the end of lamp life.

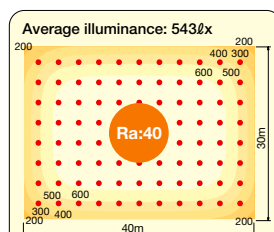
## 57% energy saving with dramatic improvement of colour rendering

Lighting plans using 400W mercury lamps and EYE CERA ARC lamps



EYE shade SAW413 + Mercury lamp 400W HF400PD

Lumens: 22000lm  
Maintenance factor 0.7  
Ra: 40



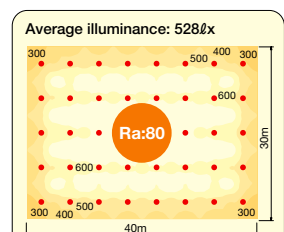
**88 units**  
Power consumption: 37400W

**CO<sub>2</sub>**  
about 36t reduction  
**About 57% energy saving annually**  
Reduction of 43 units with similar illuminance



EYE shade SAW413 + EYE CERA ARC ACE CM360FLS/W/SH/BUD

Lumens: 42000lm  
Maintenance factor 0.67  
Ra: 80



**40 units**  
Power consumption: 16000W

# EYE CERA ARC™ 360

Ideal for various lighting applications where low energy consumption and low maintenance cost are paramount.



**Applications:**

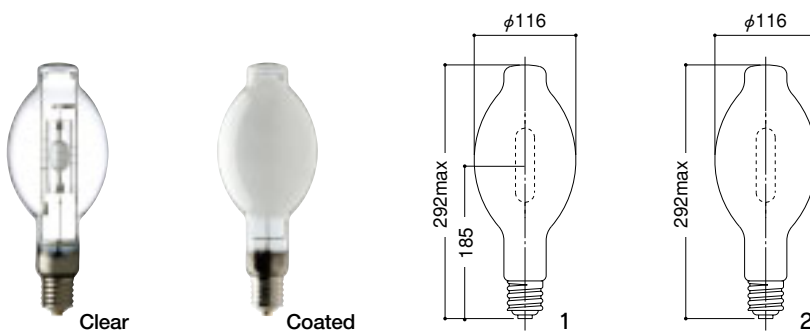
- Retail store
- Factory
- Warehouse

## EYE CERA ARC

Type	Watts (W)	Base	Bulb Finish	Colour Temp. (K)	Ra	Lamp Voltage (V)	Lamp Current (A)	Initial Lumens (lm)	Rated Av. Life (hrs)	Burning Position	Fig. No.
<b>EYE CERA ARC BT Protected E40 base operates on 400W mercury/metal halide ballast with ignitor</b>											
CM360/W/SH/BUD	375	E40	Clear	4100	80	135	3.25	44000	15000	BU/BD ± 15°	1
CM360F/W/SH/BUD	375	E40	Coated	4100	80	135	3.25	42000	15000	BU/BD ± 15°	2

## EYE CERA ARC ACE

Type	Watts (W)	Base	Bulb Finish	Colour Temp. (K)	Ra	Lamp Voltage (V)	Lamp Current (A)	Initial Lumens (lm)	Rated Av. Life (hrs)	Burning Position	Fig. No.
<b>EYE CERA ARC ACE BT Protected E40 base operates on 400W mercury ballast without ignitor</b>											
CM360LS/W/SH/BUD	375	E40	Clear	4100	80	135	3.25	44000	15000	BU/BD ± 15°	1
CM360FLS/W/SH/BUD	375	E40	Coated	4100	80	135	3.25	42000	15000	BU/BD ± 15°	2



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