Ceramic Metal Halide lamp for energy saving.

Ceramic Metal Halide lamp for energy saving. EYECERAARC TM EXIPRO





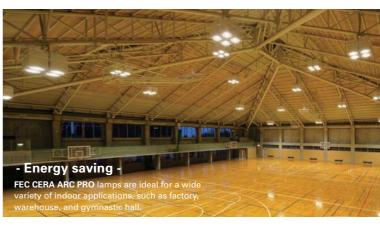


for outdoor applications



FEC CERA ARC ACE PRO

for indoor applications



High efficacy & Long life

Up to 120ℓm/W, 18000 hrs at 80% lumen maintenance

Designed to provide outstanding luminous efficacy, lumen maintenance and long, reliable lamp life, the CERA ARC EX reduces energy and maintenance costs.

At 115ℓm/W, the 150W version delivers the highest level of luminous efficacy of any ceramic arc-tube metal halide lamps.

Up to 125 ℓ m/W, 20000 hrs at 75% lumen maintenance

The perfect energy-saving solution, achieving the required design lumens with a reduced number of fixtures.

Not only a more cost-effective product, the FEC CERA ARC ACE PRO also represents a more environmentally conscious product, through reduced CO₂ emissions.

No additional expenses

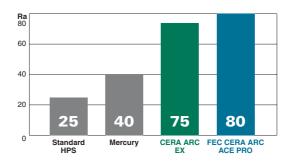
Can run as a direct retrofit on installations running HPS lamps, thereby making it extremely straightforward to upgrade from 'orange' to 'white' light; simply install in the existing socket as a replacement for the HPS lamp. ** Note: "FEC" CERA ARC "ACE" EX lamps are designed as a direct retrofit for installations running mercury lamps.

Designed as a direct retrofit for installations running mercury lamps, offering a simple method of upgrading lumen output and colour rendering; simply install in the existing socket as a replacement for the mercury lamp.

High colour rendering



Shapes and colours are easily definable, thanks to a quality white light which also provides a secure and comforting ambiance.





Ra 80 (Gp 1B), truer colour rendering makes installations more productive and attractive with reduced colour shift and imperceptible lamp to lamp colour variation.

UV-cut coating

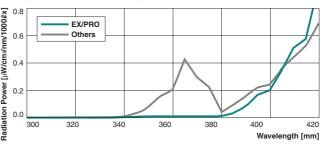


The optically designed special coating dramatically reduces UV radiation by around 90%.

Consequently, they lead to a marked reduction in the number of insects attracted to them, as well as preventing the discolouration & fading of the displayed items.

EX/PRO	UV-cut coating on bulb	90%
Others	UV-cut glass for bulb	< 80%

Comparison on UV Output





Ceramic metal halide direct replacement for high pressure sodium lamps



EYE Ceramic metal halide lamp

CERA ARC~

- High pressure sodium
 - ---- Ceramic metal halide

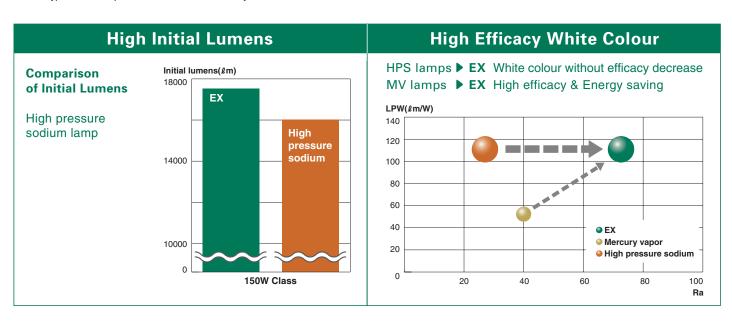
"FEC" ~ "ACE" Built-in FEC ignitor

- Mercury
 - ----- Ceramic metal halide



* "FEC" CERA ARC "ACE" EX types are also available for direct replacement on Mercury installations.

* All EX types must be operated in enclosed fixtures only.



FEC CERA ARCT ACE PRO

Ceramic metal halide direct replacement for high pressure mercury lamps

Shrouded, "Protected" design

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

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.



EYE Ceramic metal halide lamp

CERA ARC~

- Metal halide
 - Ceramic metal halide

"FEC" ~ "ACE" Built-

- Mercury
 - Ceramic metal halide



CERA ARC PRO



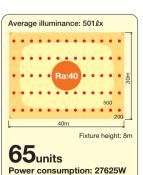
Ceramic metal halide direct replacement for standard metal halide lamps.

Operates on reactor type ballast for 400W mercury with ignitor.

54% energy saving with dramatic improvement of colour rendering

Lighting plans using 400W mercury lamps and FEC CERA ARC ACE PRO lamps

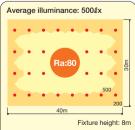








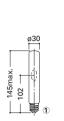
EYE shade

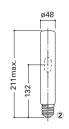


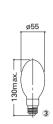
32_{units}

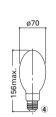
Power consumption: 12800W

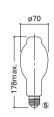
Physical Data and Characteristics

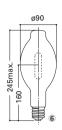


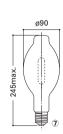


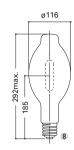


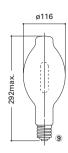












CERA ARC EX

Туре	Watts (W)	Bulb	Base	Bulb Finish	Colour Temp. (K)	Ra	Voltage (V)	Current (A)	Initial Lumens (1 m)	Rated Av. Life (hrs)	Efficacy (£m/W)	Burning Position	Fig. No.	
CERA ARC EX T 3500K, operates on high pressure sodium ballast														
CMT50/EX/U	50	T00	F07				80	0.76	5300		106			
CMT70/EX/U	70	T30	E27	EZ/			7.	85	0.98	8000	40000	114	ANY	1
CMT100/EX/U	100	T40	F.40	Clear	3500	75	95	1.20	12000	18000	120			
CMT150/EX/HOR	150	T48	E40				100	1.80	17300		115	BH±45°	2	

FEC CERA ARC ACE EX

Туре	Watts (W)	Bulb	Base	Bulb Finish	Colour Temp. (K)	Ra	Lar Voltage (V)	Current (A)	Initial Lumens (1 m)	Rated Av. Life (hrs)	Efficacy (£m/W)	Burning Position	Fig. No.	
FEC CERA ARC ACE EX E/BT 3500K, operates on mercury ballast without ignitor														
CM45FLS/EX/HOR	40	E55F						0.04	4600	16000	100	BH±45°	3	
CM45FLS/EX/BUD	46	ESSF					90	0.61				BU/BD±45°		
CM70FLS/EX/HOR	70	E70F		E27	Coated	3500	75					407	BH±45°	
CM70FLS/EX/BUD	72						105	0.80	7700	20000	107	BU/BD±45°	4	
CM115FLS/EX/HOR	115	BT70F					120	1.15	12100	24000	105	BH±45°	⑤	

FEC CERA ARC ACE PRO

Туре	10/2442		Base	Bulb Finish	Colour Temp. (K)	Ra	Lamp		Initial	Rated	F.66:	D	F:
	(W)	Bulb					Voltage (V)	Current (A)	Lumens (1 m)	Av. Life (hrs)	Efficacy (£m/W)	Burning Position	Fig. No.
FEC CERA ARC ACE PRO BT 4100K protected, operates on mercury ballast without ignitor													
CM230LS/PRO/BUD	BT90		Clear			130	2.13	29100		119		6	
CM230FLS/PRO/BUD	245	BT90F	F40	Coated	4400	00	130	2.13	27000	00000	110	DL1/DD 450	7
CM360LS/PRO/BUD	375	BT116	E40	Clear 4100	80	130	3.25	47000	20000	125	BU/BD±45°	8	
CM360FLS/PRO/BUD	3/5	5 BT116F		Coated			130	3.25	45300		121		9

CERA ARC PRO

Туре	Watts (W)	Bulb	Base	Bulb Finish	Colour Temp. (K)	Ra	Voltage (V)	Current (A)	Initial Lumens (&m)	Rated Av. Life (hrs)	Efficacy (£m/W)	Burning Position	Fig. No.
CERA ARC PRO BT 4100K protected, operates on mercury / metal halide ballast with ignitor													
CM230/PRO/BUD	BT90	Clear			130	2.13	29100		119		6		
CM230F/PRO/BUD	245	BT90F		Coated	4100	80	130	2.13	27000	20000	110	BU/BD±45°	1
CM360/PRO/BUD	275	BT116	E40 Clear	Clear			130	3.25	47000		125		8
CM360F/PRO/BUD	375		Coated			130	3.25	45300		121		9	



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