

➤ Consumer Luminaries & Accessories



Consumer Luminaries

Mirror optic has become a generic name for Commercial luminaries using specular anodized aluminum reflector system for efficient and effective lighting. Besides This commercial luminaries with paralite louvers are also being widely used

Commercial luminaries are used for both, recess (false ceilings of various types) as well as surface mounting and are suitable for FTL & CFL lamps. The optics are scientifically designed with conventional (standard), low glare and Category-2 louvres in accordance with international standards. These luminaries are suitable for commercial areas, offices, banks, auditoria, pharma/food industries, software parks, control rooms with large numbers of VDUs and a host of other commercial applications.

Bta Commercial Mirror Optic Luminary with Para Louvre Sys for Metric ceiling



LUMINAIRES: Housing fabricated from CRCA MS sheet, epoxy powder coated and fitted with P2/P5 paralite louvres. Luminary is prewired with vacuum pressure impregnated copper ballast, push fit type lamp holder, starter, power factor improvement capacitor and mains connector.

OPTICAL SYSTEM: Mirror assembly comprises specular low glare bright anodised aluminum reflector single piece injection molded highly specular vacuum metallised P2/P5 paralite louvre to achieve cat.2 optics for glare free illumination.

RELAMPING: Paralite louvre assembly can be removed by pulling the frame for relamping and accessories maintenance.

CABLE ENTRY: Is through the conduit knockouts.

MOUNTING: Suitable for recessed mounting. 20 mm conduits knockouts provided for suspension.

APPLICATIONS: Specially designed for aesthetic glare free lighting in control rooms, computer rooms, assembly halls, precision tool rooms laboratories & other commercial premises.

Mirror Optics Luminary for Indirect Lighting & Indirect GFTT

Commercial Mirror Optics Luminaire For Indirect Lighting Indirecta CFTT



LUMINAIRES: Housing and inbuilt reflector fabricated from CRCA MS sheet , epoxy powder coated white. Perforated CRCA MS white epoxy powder coated parabolic sheet provided at the center covers the lamps to give glare free spill light. Luminaire is prewired with vacuum pressure impregnated copper ballast, push fit type lamp holder, starter, power factor improvement capacitor and mains connector.

OPTICAL SYSTEM: Based on the concept of Volumetric illuminance. The high luminance of the light source is totally eliminated by it placement inside the perforated parabolic reflector assembly.

RELAMPING: Parabolic perforated reflector assembly can be pulled out for relamping and accessories cover can be unscrewed for ease of maintenance.

CABLE ENTRY: Is through knockouts.

MOUNTING: Suitable for recessed mounting. 4 nos. 6.5 mm holes provided for suspension.

APPLICATIONS: Specially designed for soft ambient lighting in offices,restaurants, assembly halls, control rooms, computer rooms and other commercial premises.



Commercial CFL Mirror Optics Luminaire For POP Ceilings

LUMINAIRES: Housing fabricated from CRCA MS sheet, epoxy powder coated. Prewired with vacuum pressure impregnated copper ballast, CFL holders and mains connector.

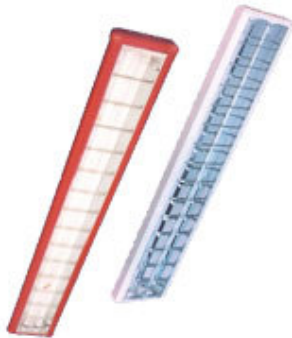
OPTICAL SYSTEM: Mirror assembly comprises scientifically designed high purity aluminium reflector for high optical performance. Batwing light distribution ensures high spacing to mounting ratio and improved vertical illumination. Serrated aluminium cross louvres reduce glare in standard luminaires. Lowglare luminaires provided with "V" shaped double parabolic cross louvres reduce brightness for low glare applications.

RELAMPING: Mirror assembly can be removed by pulling locking strips. Reflector is held in position by two hinges.

CABLE ENTRY: Is through the conduit knockouts.

MOUNTING: 4 nos. spring loaded clamps with provision for adjusting to suit various ceiling thickness.

APPLICATIONS: Specially designed for aesthetic glare free lighting in offices, class rooms assembly halls, auditorium, restaurants, lobbies, and other commercial premises.



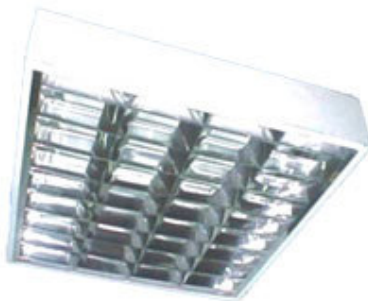
Commercial Mirror Optic Luminaire CSBW/CSBW-N/CSLG/CSBU

RELAMPING: Mirror assembly can be removed by pulling locking strips. Reflector is held in position by two hinges. **CABLE ENTRY:** Is through 12mm dia holes or conduit suspension pipes.

MOUNTING: Suitable for surface mounting. 20 mm conduits knockouts provided for suspension. Two nos. 6.5 mm dia holes are also provided for surface mounting on ceiling. **APPLICATIONS:** Specially designed for aesthetic lighting

LUMINAIRE: Housing fabricated from CRCA MS sheet , epoxy powder coated and prewired with vacuum pressure impregnated copper ballast, push fit type lamp holder, starter, power factor improvement capacitor and mains connector. Decorative high impact polystyrene end covers are provided for aesthetic appeal.

OPTICAL ASSEMBLY: Mirror assembly comprises scientifically designed high purity anodised aluminium reflector for high optical performance. Radial light distribution ensures high spacing to mounting ratio and improved vertical illumination. *Serrated aluminium cross louvres reduce glare in standard luminaires. *Low glare luminaires provided with "V" shaped double parabolic cross louvres reduce brightness for low glare applications.



Commercial mirror optic luminaire for Indirect Lighting Com ort CRFZ

LUMINAIRES: Housing fabricated from CRCA MS sheet , epoxy powder coated white . Prewired with vacuum pressure impregnated copper ballast, push fit type lamp holder, starter, power factor improvement capacitor and mains connector.

OPTICAL SYSTEM: Mirror assembly comprises scientifically designed high purity aluminium reflector for high optical performance. To achieve Cat. 2 illumination indirect flux transfer technique has been applied here. The luminance of light sources has been totally eliminated by positioning the light sources beneath the "V" shaped parabolic reflectors.

RELAMPING: Mirror assembly can be removed by pulling locking strips. Reflector is held in position by two hinges.

CABLE ENTRY: Is through the conduit knockouts.

MOUNTING: Suitable for surface as well as recessed mounting (for metric board ceiling of 600mmx600mm). 20 mm conduits knockouts provided for suspension.

APPLICATIONS: Specially designed to create visual stress free ambience for computer application areas. Ideal for control rooms, computer rooms, precision tool rooms etc.



Commercial mirror optic luminaire CRFG11 for POP

LUMINAIRES: Housing fabricated from CRCA MS sheet, epoxy powder coated. Prewired with vacuum pressure impregnated copper ballast, pushfit type lamp holder and mains connector.

OPTICAL SYSTEM: Mirror assembly comprises scientifically designed high purity aluminium reflector and epoxy powder coated white cross pieces to reduce glare. Batwing light distribution ensures high spacing to mounting ratio and improved vertical illumination..

RELAMPING: New concealed spring steel locking clips for Mirror assembly facilitate is of maintenance and relamping.

CABLE ENTRY: Is through conduit knockouts.

MOUNTING: Suitable for recessed mounting. 20mm conduits knockouts provided for suspension and 4 nos 9x6 mm slots provided.

APPLICATIONS: Specially designed for aesthetic glare free lighting in offices, class rooms assembly halls, auditorium and other commercial premises.



Commercial Mirror Optic Luminaire For Imperial Ceilings 610mm-610mm_002

LUMINAIRES: Housing fabricated from CRCA MS sheet , epoxy powder coated white. Prewired with vacuum pressure impregnated copper ballast, push fit type lamp holder, starter, power factor improvement capacitor and mains connector.

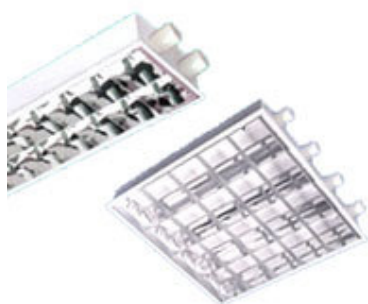
OPTICAL SYSTEM: Mirror assembly comprises scientifically designed high purity aluminium reflector for high optical performance. Radial light distribution ensures high spacing to mounting ratio and improved vertical illumination. * Serrated aluminium cross louvres reduce glare in standard luminaires. * Low glare luminaires provided with ?V? shaped double parabolic cross louvres reduce brightness for low glare applications.

RELAMPING: Mirror assembly can be removed by pulling locking strips. Reflector is held in position by two hinges.

CABLE ENTRY: Is through the conduit knockouts.

MOUNTING: Suitable for recessed mounting. 20 mm conduits knockouts provided for suspension.

APPLICATIONS: Specially designed for aesthetic glare free lighting in offices and commercial premises.



Commercial Mirror Optic Luminaire For Metric Ceilings 600mm-600mm

CABLE ENTRY: Is through the conduit knockouts

MOUNTING: Suitable for recessed mounting. 20 mm conduits knockouts provided for suspension.

APPLICATIONS: Specially designed for aesthetic glare free lighting in offices and commercial premises.

LUMINAIRES: Housing fabricated from CRCA MS sheet , epoxy powder coated white. Prewired with vacuum pressure impregnated copper ballast, push fit type lamp holder, starter, power factor improvement capacitor and mains connector.

OPTICAL SYSTEM: Mirror assembly comprises scientifically designed high purity aluminium reflector for high optical performance. Radial light distribution ensures high spacing to mounting ratio and improved vertical illumination. * Serrated aluminium cross louvres reduce glare in standard luminaires. * Luminaire with Cat.II mirror system have specially designed "V" shaped double parabolic cross louvres for 65° cut-off.

RELAMPING: Mirror assembly can be removed by pulling locking strips.Reflector is held in position by two hinges.



Commercial Mirror Optic Luminaire For Metric Ceilings 600mm-600mm_002

LUMINAIRES: Housing fabricated from CRCA MS sheet , epoxy powder coated. Prewired with vacuum pressure impregnated copper ballast, push fit type lamp holder, starter, power factor improvement capacitor and mains connector.

OPTICAL SYSTEM:

Mirror assembly comprises scientifically designed high purity aluminium reflector for high optical performance.

Radial light distribution ensures high spacing to mounting ratio and improved vertical illumination.

Serrated aluminium cross louvres reduce glare in standard luminaires. Low glare luminaires provided with "V" shaped double parabolic cross louvres reduce brightness for low glare applications.

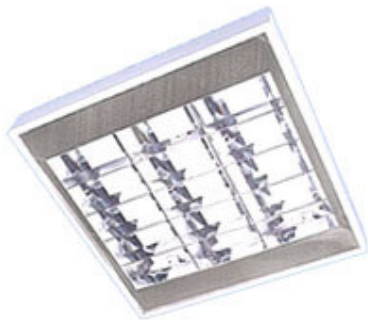
Luminaire with Cat.2 mirror system have specially designed "V" shaped double parabolic cross louvres for 65° cut-off.

RELAMPING: Mirror assembly can be removed by pulling locking strips. Reflector is held in position by two hinges.

CABLE ENTRY: Is through the conduit knockouts.

MOUNTING: Suitable for recessed mounting. 20 mm conduits knockouts provided for suspension.

APPLICATIONS: Specially designed for aesthetic glare free lighting in offices and commercial premises.



Commercial Mirror Optic Luminaire TLE-TLLE

LUMINAIRES: Housing fabricated from CRCA MS sheet, epoxy powder coated white .Prewired with vacuum pressure impregnated copper ballast, CFL holder, and mains connector.

OPTICAL SYSTEM:

Mirror assembly comprises scientifically designed high purity anodised aluminium reflector for high optical performance.

Batwing light distribution ensures high spacing to mounting ratio and improved vertical illumination..?

Serrated aluminium cross louvres reduce glare in standard luminaires.?

Low glare luminaires provided with "V" shaped double parabolic cross louvres reduce brightness for low glare applications.?

Luminaire with Cat.II mirror system have specially designed "V" shaped double parabolic cross louvres for 65° cut-off.

RELAMPING: Mirror assembly can be removed by pulling locking strips. Reflector is held in position by two hinging wires which also provide earth continuity for safety.

CABLE ENTRY: Is through the conduit knockouts.

MOUNTING: Four no. 6.5 mm holes provided.

APPLICATIONS: Specially designed for aesthetic glare free lightig in offices and commercial

Commercial mirror optic luminaire_TLE-TLLE_002



LUMINAIRES: Housing fabricated from CRCA MS sheet, epoxy powder coated white. Prewired with vacuum pressure impregnated copper ballast, CFL holder and mains connector.

OPTICAL SYSTEM:

Mirror assembly comprises scientifically designed high purity anodised aluminium reflector for high optical performance.

Batwing light distribution ensures high spacing to mounting ratio and improved vertical illumination. Serrated aluminium cross louvres reduce glare in standard luminaires. Low glare luminaires provided with "V" shaped double parabolic cross louvres reduce brightness for low glare applications.

RELAMPING: Mirror assembly can be removed by pulling locking strips. Reflector is held in position by two hinging wires which also provide earth continuity for safety.

MOUNTING: 2 nos. 6.5 mm dia holes provided for surface mounting.

APPLICATIONS: Specially designed for aesthetic glare free lighting in offices, class rooms, auditorium, assembly halls, banks and other commercial premises.



LUMINAIRES: Housing fabricated from CRCA MS sheet, epoxy powder coated white . Prewired with vacuum pressure impregnated copper ballast, pushfit type lamp holder, starter, power factor improvement capacitor and mains connector.

OPTICAL SYSTEM: Mirror assembly comprises scientifically designed high purity anodised aluminium reflector for high optical performance. Batwing light distribution ensures high spacing to mounting ratio and improved vertical illumination.. Serrated aluminium cross louvres reduce glare in standard luminaires. Low glare luminaires provided with "V" shaped double parabolic cross louvres reduce brightness for low glare applications. Luminaire with Cat.2 mirror system have specially designed "V" shaped double parabolic cross louvres for 65° cut-off.

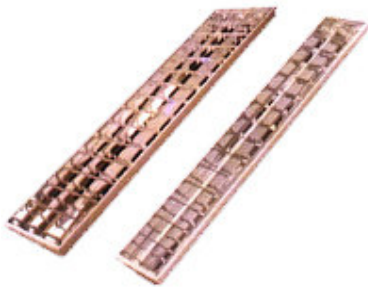
RELAMPING : Mirror assembly can be removed by pulling locking strips. Reflector is held in position by two hinges.

CABLE ENTRY: Is through the conduit knockouts.

MOUNTING: Suitable for recessed mounting. 20mm conduits knockouts provided for suspension.

APPLICATIONS: Specially designed for aesthetic glare free lighting in offices, banks, and other

Commercial Mirror Optics Luminaire For POP Ceilings



LUMINAIRES: Housing fabricated from CRCA MS sheet, epoxy powder coated white . Prewired with vacuum pressure impregnated copper ballast, push fit type lamp holder (except CRFH36), starter , power factor improvement capacitor and mains connector.

OPTICAL SYSTEM: Mirror assembly comprises scientifically designed high purity aluminium reflector for high optical performance. Batwing light distribution ensures high spacing to mounting ratio and improve vertical illumination. Serrated aluminium cross louvres reduce glare in standard luminaires. Low glare luminaires provided with "V" shaped double parabolic cross louvres reduce brightness for low glare applications.

RELAMPING: Mirror assembly can be removed by pulling locking strips. Reflector is held in position by two hinges.

CABLE ENTRY: Is through the conduit knockouts.

MOUNTING: Suitable for recessed mounting. 20 mm conduits knockouts provided for suspension. CRFH36 has 2 nos. spring loaded clamps with provision for adjusting to various ceiling thickness.

APPLICATIONS: Specially designed for aesthetic glare free lighting in offices and commercial premises.