SERVICING & CLEANING INSTRUCTIONS
STELLR®

SURFACE MOUNT DOWNLIGHT AND WAVEGUIDE FIXTURE

SERVICING NOTES

Read all instructions before servicing fixture.

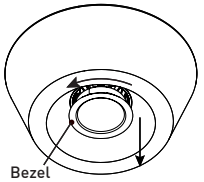
Disconnect power before servicing fixture.

Wear clean non-abrasive gloves when handling fixture.

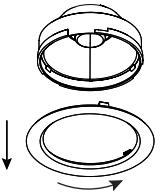
The light source contained in this luminaire shall only be replaced by the manufacturer or his service agent or a similar qualified person.

EFFECTS DEVICE AND OPTIC REPLACEMENT

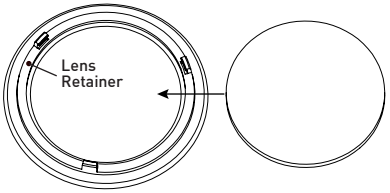
Carefully grasp bezel and rotate counter-clockwise to remove optic/effects device assembly.



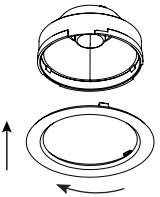
Remove bezel from optic assembly by rotating counter-clockwise



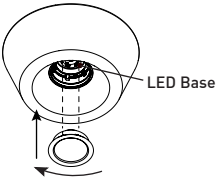
Change or install effects device by placing it inside of the lens retainer.



Install bezel assembly to optic assembly by rotating clockwise.



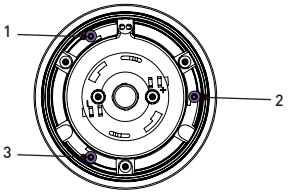
Install entire assembly to LED base by rotating clockwise ensuring both feet properly engage.



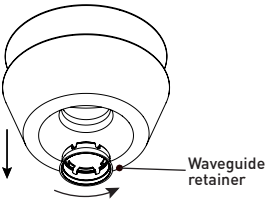
SERVICING INSTRUCTIONS

WAVEGUIDE REPLACEMENT

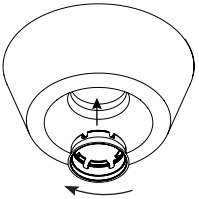
With Bezel and Optic Assembly removed, loosen the highlighted waveguide retainer screws.



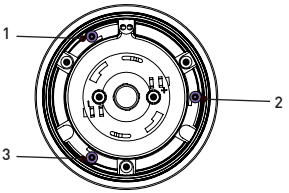
While holding the waveguide, remove the waveguide retainer by rotating counter-clockwise and lower the waveguide.



Replace waveguide and lock into place by raising waveguide retainer and rotating clockwise onto screws.

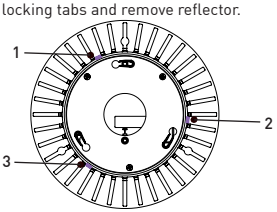


Tighten the highlighted retainer screws. Reinstall Optic Assembly and Bezel.

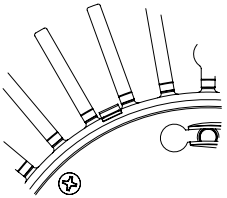


REFLECTOR REPLACEMENT

With fixture uninstalled and Waveguide removed, release highlighted locking tabs and remove reflector.



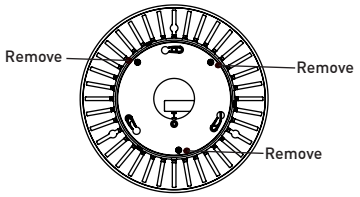
Replace reflector ensuring locking tabs engage as shown below. Reinstall Waveguide.



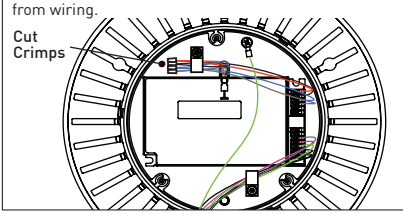
SERVICING INSTRUCTIONS

DRIVER REPLACEMENT

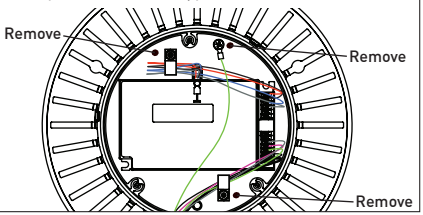
With fixture uninstalled, remove three screws and cover plate.



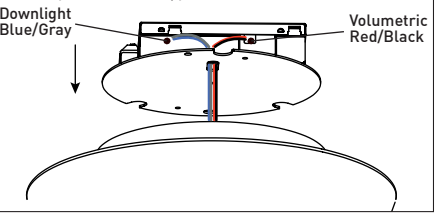
Cut crimps off of downlight and volumetric LED wiring. Ensure downlight and volumetric labeling is not removed from wiring.



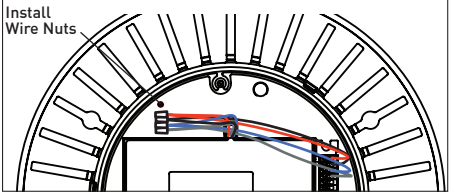
Remove wiring clamps and ground screw. Lift driver assembly out of fixture canopy.



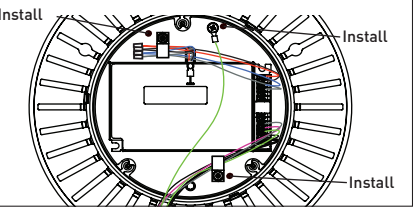
Guide LED wiring through new driver assembly and place assembly in fixture canopy.



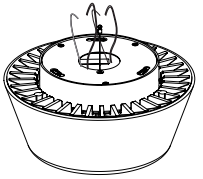
Make Downlight and Volumetric LED wiring connections with provided wire nuts. All wiring is labeled DOWNLIGHT or VOLUMETRIC. Ensure connections are made properly.



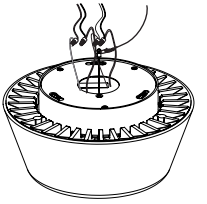
Install wiring clamps and ground wire/screw.



Guide line/mains and control wiring through cover plate. Re-install cover plate and three screws.

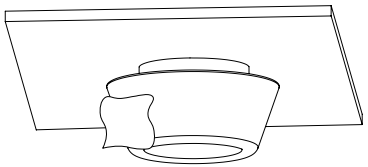


Attach safety lanyard and make electrical connections according to the diagrams shown on page 4. Reinstall Fixture.



CLEANING INSTRUCTIONS

Factory recommends cleaning waveguide assembly with a microfiber cloth or similar non-abrasive cloth. In most cases a damp microfiber cloth will remove dust/debris or fingerprints. For stubborn stains, approved cleaning agents include soap and water, or ammonia based cleaners.



WAVEGUIDE CHEMICAL RESISTANCE IN GENERAL USE

All information is based on 72° (23°C) test temperature and stress free material. Practical performance depends on usage temperatures and actual stresses. Contact factory if you are not sure about your application.

	Resistant	Limited Resistance	Not Resistant		Resistant	Limited Resistance	Not Resistant		Resistant	Limited Resistance	Not Resistant
CLEANING AGENTS				**DISINFECTANTS**				**GASES & VAPORS**			
Alcohol, absolute			X	Aqueous hypochlorite solution	X			Ammonia	X		
Alcohol, to 30%	X			Bleaching powder, to 5%	X			Bromine vapor (dry)		X	
Ammonia	X			Carbolic acid			X	Carbon dioxide	X		
Carbon tetrachloride			X	Hydrogen peroxide, to 40%	X			Carbon monoxide	X		
Methylated spirits			X	Hydrogen peroxide, over 40%		X		Chloride vapor (dry)		X	
Paraffin		X		Lugol solution	X			Exhaust gases, containing HCl	X		
Perchloroethylene			X	Mercuric chloride	X			Exhaust gases, containing HF	X		
Petrol, pure	X			Surgical spirit			X	Exhaust gases, containing H2S04	X		
Petrol mixture, containing benzene			X	Tincture of iodine, 5%			X	Hydrogen sulphide	X		
Petroleum ether	X							Methane	X		
Soap solution	X							Nitric oxide	X		
Soda solution	X							Oxygen	X		
Solvent stain removers			X					Ozone	X		
Trichloroethylene			X					Sulphur dioxide (dry)	X		
Turpentine		X						Natural gas (butane)	X		
Turpentine substitute		X									

CHEMICALS & SOLVENTS

CHEMICALS, SOLVENTS, ETC.	Resistant	Limited Resistance	Not Resistant
Acetic acid, glacial			X
Acetic acid, to 25%		X	
Acetic acid, 5% (vinegar)	X		
Acetone			X
Alum	X		
Aluminium chloride	X		
Aluminium oxalate	X		
Aluminium sulphate	X		
Ammonia, aqueous solution	X		
Ammonium sulphate	X		
Amyl acetate			X
Aniline			X
Arsenic	X		
Arsenic acid	X		
Battery acid	X		
Benzaldehyde			X
Benzene			X
Bromine			X
Butanol		X	
Butyl lactate			X
Butyric acid, to 5%	X		
Calcium chloride	X		
Calcium hypochlorite	X		
Carbon disulphide			X
Carbon tetrachloride			X
Chlorinated hydrocarbons			X
Chlorine, liquid			X
Chlorine water		X	
Chloroethyl acetate			X
Chlorophenol			X
Chromic acid		X	
Citric acid, to 20%	X		
Copper sulphate	X		
Cresol			X
Cyclohexane	X		
Diacetone alcohol			X
Diamyl phthalate		X	
Dibutyl phthalate			X
Diethylene glycol	X		
Dioxane			X
Ether			X
Ethyl acetate			X

	Resistant	Limited Resistance	Not Resistant
Ethyl alcohol, to 15%	X		
Ethyl alcohol, 15-30%		X	
Ethyl alcohol, above 30%			X
Ethyl bromide			X
Ethyl butyrate			X
Ethylene bromide			X
Ferric chloride	X		
Ferrous chloride	X		
Ferrous sulphate	X		
Formic acid , to 2%	X		
Formic acid, to 40%		X	
Glycerol	X		
Glycol	X		
Heptane	X		
Hexane	X		
Hydrochloric acid	X		
Hydrofluoric acid, to 20%	X		
Hydrogen peroxide, to 40%	X		
Hydrogen peroxide, over 40%		X	
Iodine	X		
Isopropyl alcohol, to 50%		X	
Lactic acid, to 80%		X	
Magnesium chloride	X		
Magnesium sulphate	X		
Manganese sulphate	X		
Mercury	X		
Methanol, absolute			X
Methanol, to 15%		X	
Methyl ethyl ketone			X
Methylated spirits			X
Milk of lime	X		
Monobromonaphthalene	X		
Motor fuel, benzene-free	X		
Motor fuel, with benzene			X
Nickel sulphate	X		
Nitric acid, to 20%	X		
Nitric acid, 20-70%		X	
Nitric acid, over 70%			X
Oxalic acid	X		
Paraffin		X	
Perchloroethylene			X
Petroleum ether	X		
Phenols			X

	Resistant	Limited Resistance	Not Resistant
Phosphoric acid, to 10%	X		
Phosphorus			X
Phosphorus trichloride			X
Picric acid 1% in water	X		
Potassium carbonate	X		
Potassium chloride	X		
Potassium cyanide	X		
Potassium dichromate	X		
Potassium hydroxide	X		
Potassium nitrate	X		
Potassium permanganate	X		
Silicon tetrachloride			X
Silver nitrate	X		
Soap Solution	X		
Soda	X		
Sodium bisulphite	X		
Sodium carbonate	X		
Sodium chlorate	X		
Sodium chloride	X		
Sodium hydroxide	X		
Sodium hypochlorite	X		
Sodium sulphate	X		
Sodium sulphide	X		
Stearic acid	X		
Sulphur	X		
Sulphur dioxide, liquid			X
Sulphuric acid, to 30%	X		
Sulphurous acid conc.		X	
Sulphurous acid, to 5%	X		
Sulphuryl chloride	X		
Tartaric acid, to 50%	X		
Thionyl chloride			X
Toluene			X
Triethylamine	X		
Trichloroacetic acid			X
Tricresyl phosphate	X		
Turpentine		X	
Turpentine substitute		X	
Urea, to 20%	X		
Xylene			X
Zinc sulphate, aqueous		X	
Zinc sulphate, solid	X		

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