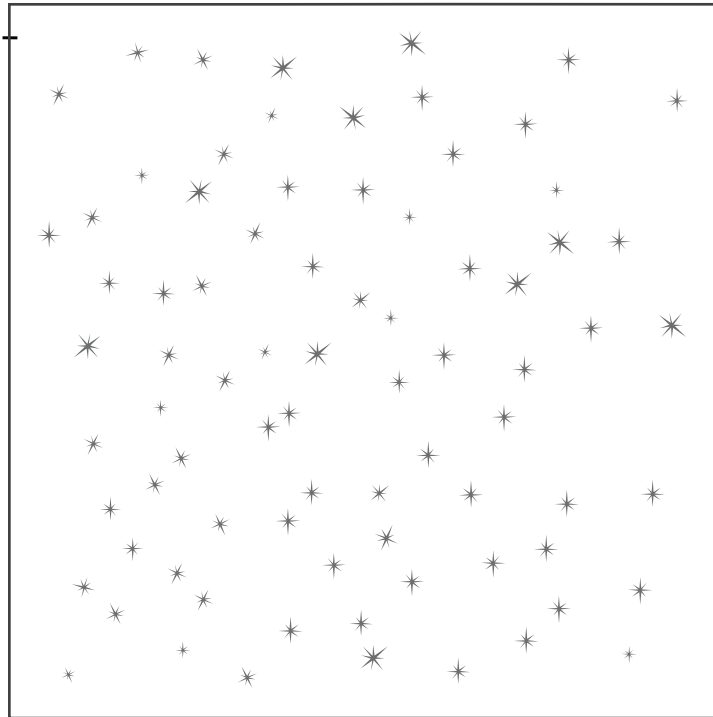


Light source must be close proximity to application area



Installation detail

- (by others) 1st - Once pre-cast structure is up or before cement screeding, PVC piping for fiber cable should be laid in structure. Starting from light source location (usually the pump room) to bottom of pool. All pipes should have gradual 45 deg. bending at corners or spring bent conduits STRICTLY NO ELBOWS. Pipe size depends on number of fibers. Note PVC pipes bending over pool wall must be above water level to prevent water sipping thru optic fibers.
- (by others) 2nd - After water proofing, lay timber strips to make trench for optic fibers, then proceed with cement screeding avoid pipe outlet area about 90cm radius.
- 3rd - Laying fiber optic cables with fiber~web mounting.
First fiber light positions will be marked, for 2" X 2" or larger tiles finished pools, grid marking of 30cm X 30cm should be done by tile installer.
Optic fibers will be laid using main and sub trail and a further 5mm deep cutting on cement screed to concealed fiber. At marked fiber position 60mm diameter coring (20-25mm deep) will be done to secure fiber~web. When required waterproofing will be applied on affected areas. All fibers will be pointing up right (about 100mm).
Fiber tips will be distinctly marked to make it visible by others.
Once light transmission test is confirmed, area should be cordoned off from others.
- (by others) 5th - Lay tiles accordingly, caution your tile contractor that its not an electrical wire but a light cable. Any kinking and rough handling would result in reduced light emission.
- 6th* - once tiles are laid and cement all dry - trim the fiber tips using a 45 deg sharp micro cutter. Fibr ends should flush with tiles neatly.

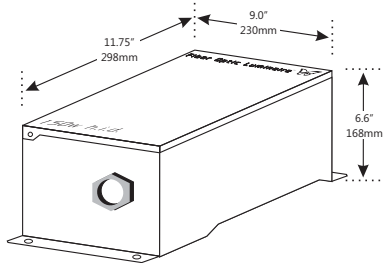
pebble wash



swimming pool



Dimensions

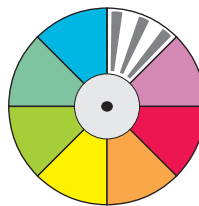


* Note : add an additional 3" (75mm) to length for optical port coupler

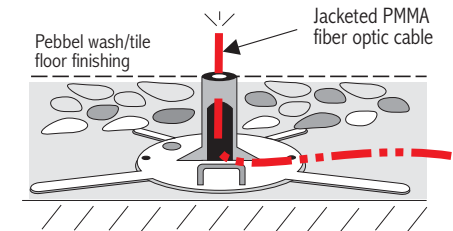
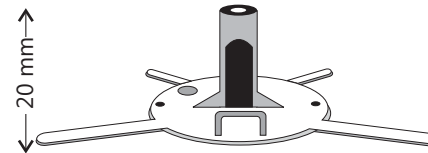
150W HID Luminaire



8-color dichroic disc (1 seg. sparkler)



Fiber~Web mounting (Nylon-grey)



TIME Luminaries sdn bhd

#01-1B, Jln Hilir 1, Tmn Angsana Hilir
55100 Kuala Lumpur, Malaysia
Tel : 603-92829096 Fax : 603-92825875
[Http://www.fiberlight.com](http://www.fiberlight.com)

Fiber optic starfield for floor area

Total End Points = 150points
1.0mm dia (125) & 1.5mm dia (25)
Luminaire (light source) = 1 unit

Specification : 1mm dia & 1.5 mm dia PMMA (black jacket) end-lit fiber cable beamed by
50W Halogen Fiber Optic Luminaire™, 4200K beam, T16 optical port and 7+1-color disc.