

Placement of lighting fixtures around a pool.

Why can't you place fixtures directly above the water?

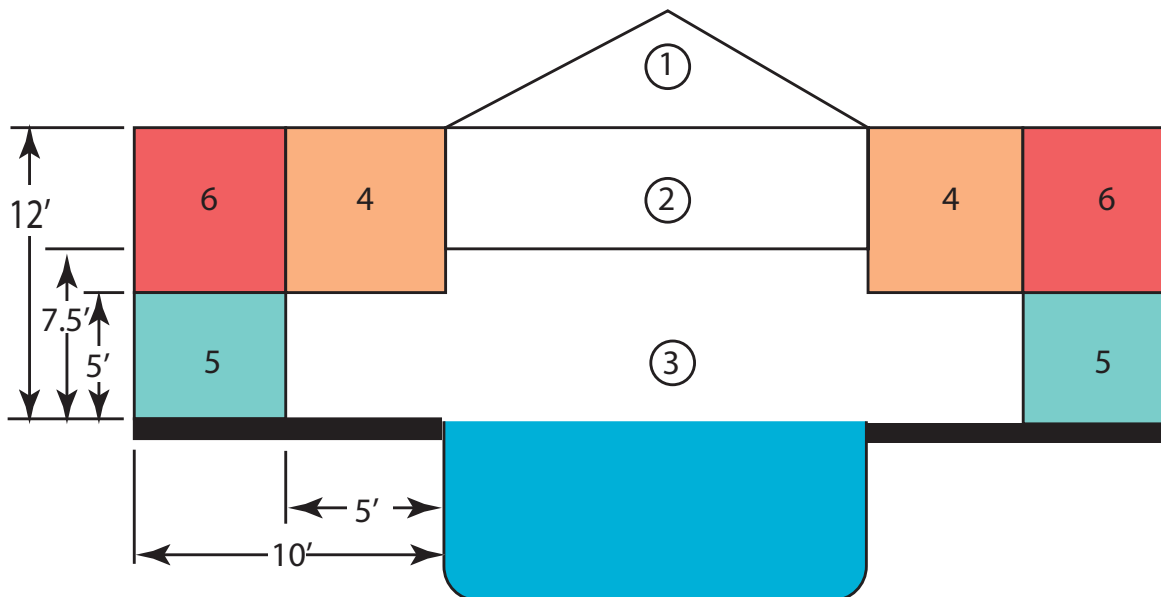
This will create a maintenance nightmare, placing fixtures above the water forces the facility manager to drain the pool every time a lamp burns out.

Can you use direct fixtures to light the water surface?

Direct lighting onto the water surface creates glare so you cannot see if someone is in trouble below the surface of the water, creating a safety hazard. Some indirect fixtures can create the same hazard, which is why it is important to have fixtures with asymmetric throw.

Why is stainless steel a good choice in a natatorium?

Exposed stainless steel is the best choice because mixed metals can result in galvanic corrosion. Stainless steel is impervious to the effects of chlorine and other pool chemicals.



1. All fixtures are permitted above 12 foot over water.
 2. Totally enclosed (wet locations) fixtures permitted when protected by GFCI.
 3. Fixtures are not permitted below 5 foot.
 4. Only existing rigidly attached fixtures permitted.
 5. New fixtures permitted when protected by GFCI .
 6. New fixtures permitted without GFCI .
- (drawn from the NFPA70 NEC 2008 art. 680)