

SINGLE LINE

- Maximum brightness & highest efficiency by the use of the most advanced LED technology available today
 - Efficiency of our LEDs used:
 - Top brand LEDs e.g. Luxeon Rebel: up to 100 lm/W
 - Standard LEDs: 60 lm/W
 - China budget LEDs: 30-50 lm/W
 - ➔ up to double the brightness with the same power !
- LED maximum power
 - Instead of using 3W LEDs we are using 2W types, but here only these with a top-grade efficiency. The reason for this is that the light output of a typical 3W LED does by far not reach the triple or the 1.5 value of a 1W or 2W operation.
 - On the other hand a higher power means far higher temperatures and far more need of cooling.
- Temperature management
 - The brightness & lifetime of LEDs is very much dependent on the temperature of the LED itself:
 - high temperature = less brightness at the same power
 - = reduced lifetime span of the LED
 - Our housings and the complete internal construction utilize a thermally optimised design and therefore guarantee an operation in an optimised area.
- By using only high quality LEDs from the leading manufacturers we can guarantee a constant high quality of the performance, the power and the reliability.
- Extremely flexible systems with different possible LED spacings, LED colours and lens systems.
- Every single LED circuit board can be changed over for service reasons.
- Detailed protocol of the used LEDs with all parameters for each luminaire.
- Luminaires with protection grade up to IP67
 - fully encapsulated, weatherized & water protected
 - condensation inside the luminaire is prevented by our special design, even under extremely high temperature variations

