

## Lighting of St. Michael's Church in Angyalföld

In the first phase of the lighting modernization in the Babér Street church, the altar and the surrounding areas were arranged. The illumination of the altar area has been divided into several part tasks. The first and technically the most simplest task was the renew of the ceiling cross over the altar. As the lighting of the cross can be considered as decorative illumination, the total 220 incandescent lamps in the cross have been replaced with 7W LEDs. As a result of this, the illumination increased noticeably, while the built-in power decreased to less than one third. The rest of the area was illuminated by LED luminaires mounted on several short lighting tracks. We used the KARO type luminaires of German RIDI. This luminaire family has two power and 3 light distribution versions, so a right combination can be chosen for virtually any application.

From a technical point of view, the demands of the altar lighting have been probably the biggest challenge. The management asked for a relatively high (500lx) illumination level in this small area to easily read the tiny letters, while not overwhelming the rest of the area. Unfortunately, there was no chance to make test lighting, but the calculations were fully verified by reality. Nearly 11 meters high, a particularly narrow beam spotlamp was perfectly suited for this task.

The installation work was carried out by the staff of Comserv-98 Ltd., precisely and quickly, without interfering with daily worship. Fortunately, it was possible to run the cables in the loft, so there was only minimal wiring in the interior. The lighting system can be controlled from a touch panel that can be used to display multiple lighting images (rorate masses, normal and festive masses, etc.) so that the illumination levels and illuminated areas can be freely modified.

