

## 14XTE

### Product description

- Ideal for linear and panel lights
- Luminous flux range from 2400 – 9570 lm
- Efficacy of the module up to 193 lm/W
- Small colour tolerance (MacAdam 3)
- Small luminous flux tolerances
- Colour temperatures from 2700 to 6500 K
- Lenses with various angles available
- Simple installation (e.g. screws)
- Long life-time: >50,000 hours

14XTE module with LEDs of the latest generation from the top chip producers in the world – CREE and SAMSUNG achieve maximum efficiency values. The modules have been specifically developed on high thermoconductive aluminium plate with extra thick copper. The product range covers colour temperatures Warm White 3000, Neutral White 4000, Cold White 5000K and 6000K and module efficiency of up to 193 lm/W. The module is driven by constant current. The design is improved for simple installation. The module covers three types of LEDs for most applications. This LED engine is compatible with three LEDIL single lenses families – with the different angles to achieve all types of distortions.

| 14XTE                                  | Photometric code | Typ. luminous flux at tp = 25 °C | Typ. Voltage at tp=25 °C | Typ. power consumption at tp = 25 °C | Luminous efficacy module at tp = 25 °C | Colour rendering index CR |
|----------------------------------------|------------------|----------------------------------|--------------------------|--------------------------------------|----------------------------------------|---------------------------|
| Cree XT-E High Efficiency @ 350mA      | 740              | 2400 Lm                          | 39.7 V                   | 13.89 W                              | 173 Lm/W                               | >70                       |
|                                        | 750, 757, 765    | 2520 Lm                          | 39.7 V                   | 13.89 W                              | 182 Lm/W                               | >70                       |
| Cree XT-E High Output @ 900mA          | 740              | 5220 Lm                          | 42.0 V                   | 37.8 W                               | 138 Lm/W                               | >70                       |
|                                        | 750, 757, 765    | 5520 Lm                          | 42.0 V                   | 37.8 W                               | 146 Lm/W                               | >70                       |
| Samsung LH351B High Efficiency @ 350mA | 740              | 2440 Lm                          | 41.6 V                   | 14.57 W                              | 167 Lm/W                               | >70                       |
|                                        | 750, 757, 765    | 2590 Lm                          | 41.6 V                   | 14.57 W                              | 177 Lm/W                               | >70                       |
| Samsung LH351B High Output @ 900mA     | 740              | 5600 Lm                          | 44.2 V                   | 39.8 W                               | 141 Lm/W                               | >70                       |
|                                        | 750, 757, 765    | 5960 Lm                          | 44.2 V                   | 39.8 W                               | 150 Lm/W                               | >70                       |
| Cree XP-L High Efficiency @ 350mA      | 740, 750, 760    | 2600 Lm                          | 38.3 V                   | 13.5 W                               | 193 Lm/W                               | >70                       |
| Cree XP-L High Output @ 1500mA         | 740, 750, 760    | 9570 Lm                          | 41.3 V                   | 61.95 W                              | 155 Lm/W                               | >70                       |

