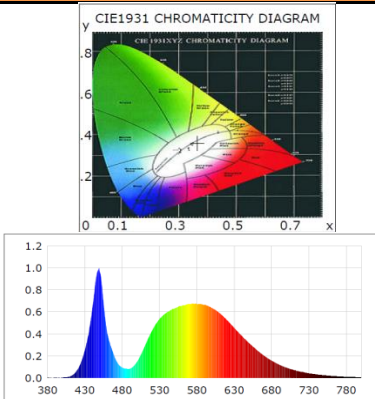


**TECHNICAL DATASHEET FOR THE STREET LIGHT YC-S028-30W Small**

Date:14.02.2025

| LED STREET LIGHT DIMENSIONS                                                                                                                                                                                                                                                                                                     |                                  |   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|--------------------------------------------------------------------------------------|
| Length                                                                                                                                                                                                                                                                                                                          | 36cm                             |                                                                                      |
| Width                                                                                                                                                                                                                                                                                                                           | 14cm                             |                                                                                      |
| Thickness                                                                                                                                                                                                                                                                                                                       | 3.7cm                            |                                                                                      |
| INPUT PARAMETERS                                                                                                                                                                                                                                                                                                                |                                  |                                                                                      |
| Power Consumption                                                                                                                                                                                                                                                                                                               | 30W (+/-5%) (Tested on 230-240V) |                                                                                      |
| Input driver Voltage range                                                                                                                                                                                                                                                                                                      | 80-380V*                         |                                                                                      |
| Input Frequency                                                                                                                                                                                                                                                                                                                 | 50/60Hz                          |                                                                                      |
| Power Factor / THD                                                                                                                                                                                                                                                                                                              | >0.95 / <10%                     |                                                                                      |
| Power Efficiency                                                                                                                                                                                                                                                                                                                | >88%                             |                                                                                      |
| LED DRIVER                                                                                                                                                                                                                                                                                                                      |                                  |                                                                                      |
| LED Driver Type                                                                                                                                                                                                                                                                                                                 | Isolated Constant Current Driver |                                                                                      |
| Voltage / Output current                                                                                                                                                                                                                                                                                                        | 24-40V / 900 mA±5%               |                                                                                      |
| Surge                                                                                                                                                                                                                                                                                                                           | ≥ 6KV                            |                                                                                      |
| LED                                                                                                                                                                                                                                                                                                                             |                                  |                                                                                      |
| LED model                                                                                                                                                                                                                                                                                                                       | LM3030ww-6v-1w                   |                                                                                      |
| No. of LEDs                                                                                                                                                                                                                                                                                                                     | 40 pcs                           |                                                                                      |
| LED Efficiency                                                                                                                                                                                                                                                                                                                  | >120 lm/W                        |                                                                                      |
| LED CCT                                                                                                                                                                                                                                                                                                                         | 4500/6500K                       |                                                                                      |
| CRI                                                                                                                                                                                                                                                                                                                             | >80-85                           |                                                                                      |
| TRADEMARK                                                                                                                                                                                                                                                                                                                       | © OPTIMA / Y-CHEN                |                                                                                      |
| LED beam angle                                                                                                                                                                                                                                                                                                                  | 120 degrees                      |                                                                                      |
| LUMINARY                                                                                                                                                                                                                                                                                                                        |                                  | PHOTOMETRIC RESULTS                                                                  |
| Light Color                                                                                                                                                                                                                                                                                                                     | Neutral White / Cool White       |  |
| Lamp Beam Angle                                                                                                                                                                                                                                                                                                                 | 120 degrees                      |                                                                                      |
| Luminary Efficacy                                                                                                                                                                                                                                                                                                               | 120 lm/W                         |                                                                                      |
| Working Environment                                                                                                                                                                                                                                                                                                             | -30°C - 45°C, Humidity - 95% RH  |                                                                                      |
| Storage temperature                                                                                                                                                                                                                                                                                                             | -30°C - 70°C                     |                                                                                      |
| IP rating                                                                                                                                                                                                                                                                                                                       | IP65                             |                                                                                      |
| Rated Lamp Life (avarage)                                                                                                                                                                                                                                                                                                       | >40 000 hours                    |                                                                                      |
| Lamp Body                                                                                                                                                                                                                                                                                                                       | Die Casted Aluminium Alloy       |                                                                                      |
| Luminair Cover                                                                                                                                                                                                                                                                                                                  | Anti UV Toughened Glass          |                                                                                      |
| Secondary Optical Lenses                                                                                                                                                                                                                                                                                                        | PC                               |                                                                                      |
| Certifications                                                                                                                                                                                                                                                                                                                  | RoHS, CE                         |                                                                                      |
| DISCLAIMER                                                                                                                                                                                                                                                                                                                      |                                  |                                                                                      |
| *Datasheet is compiled under AC condintions and product is tested at 230-240 Volts. Voltage range written below,is maximum and minimum indicator at wich the current streetlight can operate for a certain time. This range does not imply that the product at different voltage will have the same power in +/-5% condintions. |                                  |                                                                                      |