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FREYR

SERIES-G DC LED STREET LIGHT

30W

Features

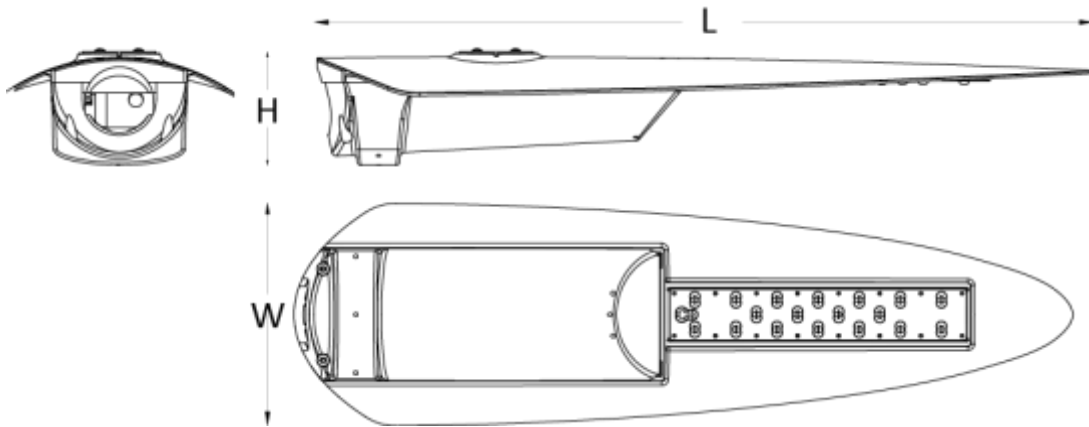
Truelite FREYR series-G DC LED Streetlight luminaries are designed to replace conventional fixtures. Its compact design allows increased mounting versatility and ease of installation. The long lived LED luminaries are designed to meet the most demanding specification criteria while offering maximum energy savings, reduced maintenance costs, and a superior quality of light. Our led street light offer improved night time visibility, safety through better color rendering, more uniform lighting distributions and the elimination of many dark areas between poles. It also works with intelligent street light system. The design adheres to relevant safety and street lighting standards and the technology has attractive energy-saving capacity of up to 70% against traditional fixtures.

- Wide input voltage range
- More than 70% energy savings, long life and high reliability
- Robust housing to stand harsh environments
- Die casting aluminum alloy body, electrostatic spray treatment withstand high temperature and acid, alkali resistance
- Integrated with LED module with independent control, easy maintenance
- Compatible to work with solar and wind energy for more energy saving
- Low electromagnetic emission
- Easy to mount & focus
- High Luminous Efficiency
- IP 65 rating
- Instant start , no flickering and long switching life
- CE,RoHS Certifications

Product Specification

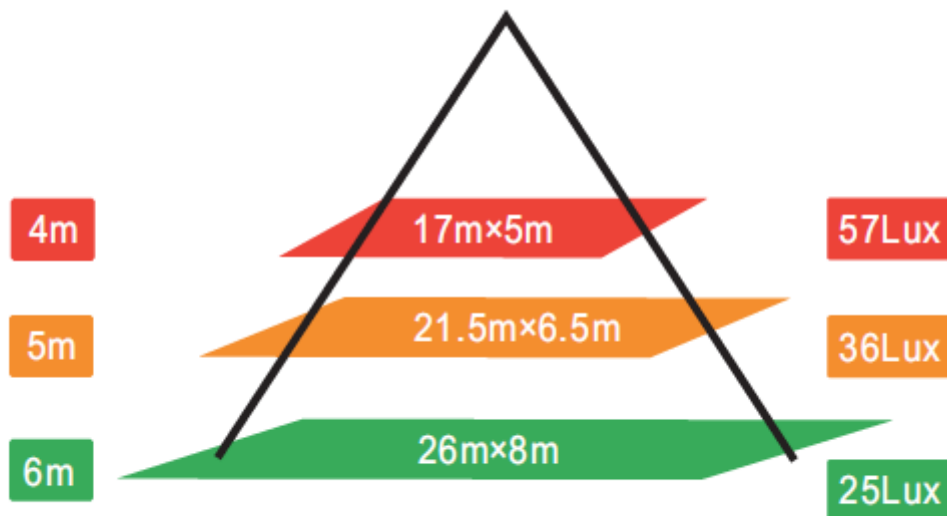
| Electrical Data | |
|---|--|
| Operating Voltage | 9-18VDC/18-32VDC |
| No of LEDs | 18 |
| Driver Power Efficiency | >90% |
| Rated power | 30W |
| Power Factor(PF) | >0.95 |
| Total Harmonic Distortion | <20% |
| Power supply | Isolated type |
| Dimming | Optional |
| Light Data | |
| Color Temperature | 3000K/4000K/5000K/5700K |
| Color Rendering Index | >70 |
| Beam Angle | 10°,25°,40°,60°,90°,120°. |
| Efficiency of led | 108 lm/W |
| Luminous flux | 3394lm |
| Led chip | Cree |
| Service Life | >50000 Hours |
| Environmental Data | |
| Working Ambient Temperature | -40° To +50° |
| IP Grade | IP 65 |
| Relative Humidity(RH) | 10%-95% |
| Cooling | Conventional |
| Certificate | UL/ CUL /DLC/ LM79 / ENEC /CB/CE/ ERP/ RoHS /PSE /IK08 |
| Mechanical Data | |
| Product finish | Gray |
| Light Fixture Material | Aluminum |
| Dimension | 714 x 210x 107(mm) 28.11" X 8.27" X 4.21" |
| Weight | 3.2kg(7.05lbs) |
| Luminaire Fixing | Pole mounted |
| *All parameters are measured @ ambient temperature Tc 25 degree | |

Fixture



Unit: mm

Isolux Diagram



Application Area

Outdoor lighting plays a crucial role in the safety and security of our streets and public places. Today outdoor lighting has to be smarter to comply with new legislation, environmental challenges and requirements to reduce energy usage. This is where the latest outdoor, roadway and street lighting solutions from Truelite come into play. It is an Ideal for application at city branch, residential streets, courtyard, etc.

Ordering Code

| Product Series | MODEL | OPTICAL LENS | CCT | OPTIONAL COLOR | LIGHTING CONTROL | ACCESSORY INFO | |
|-------------------------|---------|------------------------|-------------|-----------------|------------------|-----------------|------------------------------|
| FREYR Series | TSLG30D | T2M | 30K | GR*** | 00 | Adaptor Bracket | |
| | | Type II Medium | 3045 | Grey (RAL:7004) | Not required | | |
| | | T3L | ± 175K | | | | |
| | | Type III Long | | | | | |
| | | T5U | 40K*** | | | | |
| | | Average Beam angle 10° | 3985 | | | 01 | 3/5/7-pin NEMA Receptacle |
| | | T5V | ± 275K | | | Photocell | |
| | | Average Beam angle 25° | | | | | |
| | | T5W | 50K*** | | | | |
| | | Average Beam angle 40° | 5028 ± 283K | | | | |
| | | T5S | | | | | |
| | | Average Beam angle 60° | 57K | | | | 20KA Surge Protection Device |
| | | T5M | 5665 | | | | |
| Average Beam angle 90° | ± 355K | | | | | | |
| T5L | | | | | | | |
| Average Beam angle 120° | | | | 02 | Safety Cable | | |
| T5D | | | | 1-10V dimming | | | |
| Diffuser | | | | | | | |

Example:

TSLG30D-T1M50K-GR00, TSLG30D-T2M40K-GR02, TSLG30D-T3M50K-GR01