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| 1 | संपर्क Contact : 0542-2985804- जीएसटीआईएन GSTIN : - पता Address : Kendriya Vidyalaya BHU CAMPUS VARANASI Near Post Office Banaras Hindu University, VARANASI, UTTAR PRADESH-221005, India | GLYNC Yes WLed Luminaire Light | - | 6 | 05-Apr-2024 | 20-Apr-2024 |
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Product Specification for GLYNC Yes WLed Luminaire Light

| विनिर्देश Specification | उप-विनिर्देश Sub-Spec | मूल्य Value |
|---------------------------|---|---------------------------------|
| STANDARDS | LED Luminaire conformity to IS:10322/Part 5/Section 3/2012 latest and IS: 16107 (Part 2/Sec 1):2012 latest | Yes |
| | Photo biological safety of LEDs used shall be as per IS:16108/2012 (exempt group) | Yes |
| | Types of LED Luminaire as per the IS: 16107(Part-2/ Sec.-1)/2012 | Type B |
| | Types of LED Modules as per the IS:IS: 16103(Part-2)/2012 | Type 3 |
| | LED Rating (in Watts)/System Wattage/Rated Power | 110W |
| | Luminaire System Efficacy (Lumen/watt) | >= 100 Lm/Watt |
| | Ingress Protection (IP Rating) as per IS:10322 (Part 1):1982 latest | IP66 |
| | Warranty for free replacement (in years) | 5 |
| ELECTRICAL EFFICIENCY | Input operating Voltage range and frequency | 90 to 300 Volts AC at 50 Hz+/-2 |
| | Automatic Higher Cut off voltage above 300 volt | Yes |
| | Rated voltage | 230 V AC 50 Hz |
| | AC Power Factor at full load | ≥ 0.95 |
| | Driver Efficiency (in %age) Upto 100W: ≥85%, Above 100W: >=90% | Yes |
| | Total Harmonics Distortion | ≤ 10 |
| | "The total circuit power shall not be more than 110 percent of the value declared by the manufacturer (as per Cl. 8 of IS:16104:2012 lates)" | Yes |
| OPTICAL | LED chip Efficacy | ≥130 Lm/Watt |
| | Colour temperature | 6000+/-500K |
| | Working life for LED (Minimum 50,000 burning hours as per LM-80 and LM 21 reports) | Yes |
| | Colour Rendering Index(CRI) | ≥70 |
| | LED Beam Angle | ≥120 |
| | Optic lense materal (UV stabilised) | Poly carbonate lense |
| THERMAL MANAGEMENT | Heat sink should be die-cast aluminium along with sufficient heat sink fins to dissipate heat effectively | Yes |
| | Junctiojn / Soldering point temperature shall not exceed 85 deg.c as per LM 80 report | Yes |
| | Capacitor shall be rated for a temperature of 105 deg. celsius or better | Yes |
| | Operating temperature range | -10 deg C to +55 deg C |
| | Operating Humidity Range | 10 % to 95% RH |
| PROTECTION | Short circuit Protection | Yes |
| | Over load protecton | Yes |
| | Over Voltage protection | Yes |
| | Reverse polarity | Yes |
| | High voltage test (1.5 KV for one minute between supply terminals and body of the unit) | Yes |
| | Insulation resistance between earth and current carrying part | >100 M Ohm |
| | The luminaire shall be protected against surges and transients (Internal) | >=5KV |
| | The luminaire shall be protected against surges and transients of >=10KV (External) | Yes |
| | The Luminaires casing/housing (single piece housing) shall be pressure die casted aluminium alloy with higher thermal conductivity | Yes |
| | The luminaire body must be corrosion resistant powder coated | Yes |
| | All fastners must be of stainless steel | Yes |
| | Protection of the entire housing (both LED section and driver section) as per IS:10322 (Part 1):1982 latest | IP66 |
| | Extruded silicon loop gasket shall be provided in the lantern body to ensure a weather proof seal between the UV Glass cover and the metal housing to exclude the entry of the dust, water, insects etc., | Yes |

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| CONSTRUCTIONAL | Luminaries light transparency should be of Toughened glass | Yes |
| | Toughned transparent glass cover thickness | >/=4 mm |
| | Toughned Glass shall not get discoloured shall not suffer degradation due to heat and ageing within warranty period | Yes |
| | Number of electronic control gear (power supplies) | 1 No. |
| | Light Source | SMD LED Chip as per LM 80/IS16106 |
| | Driver components shall be industrial grade or above | Yes |
| | PCB shall be FR4 grade minimum 0.8 to 1.0 mm thick or more | Yes |
| | The Luminaires works on single phase three wires system (Phase, Neutral and Earth) | Yes |
| | Suitable connector shall be provided for LED connection between driver output and LED | Yes |
| | Length of ISI marked three core wire (shall be provided along with supply of material) | 100 cm |
| MARKING | "Manufactures Name and and brand on the aluminium die cast body " | Engraved/Embossed |
| | Manufacturer's name, model number, serial number | Yes |
| | Date of manufacture (month-year), and lot number as identification mark inside each unit and the outside of each packaging box | Yes |
| | The operation characteristics voltage and power be marked inside of each LED luminaire unit | Yes |
| | Diameter of pole Luminari suitable for: (upto 45W Pole OD: shall be 40mm), (>45W<120W Pole OD: Shall be 50 mm), (above 120W: OD shall be 60 mm for which luminari is suitable | Yes |
| Reports And Certifications | LED Make | OSRAM / NICHIA / CREE / SAMSUNG / SEOUL / LUMILEDS / PHILIPS / SYSKA / LUMENMAX / EVERLIGHT / EDISON / BRIDGELUX / NATIONSTAR / REFOND |
| | System must have EMI/EMC compliance as applicable (Test reports shall be furnish to the buyer / consignee on demand) | Yes |
| | LM 79 (Photometry) (Ref.IS:16106:2012) report from Central Government Lab /NABL/ILAC accredited lab. Reports shall be furnish to the buyer / consignee on demand (LM-79 report shall have total lumen output, power, PF, Current in Amps, CRI & CCT etc., | Yes |
| | LM 80 & TM 21 (Ref. IS:16105:2012) Report and Photo biological report for LED report from Central Government Lab /NABL/ILAC accredited lab. Reports shall be furnish to the buyer / consignee on demand (LM-80 report shall have the Pohoto Biological re | Yes |
| | Availability of test Report from Central Government Lab /NABL/ILAC accredited lab to Indian Standrad IS:10322/part 5/sec-3/2012 and IS 16107 (Part 2/Sec 1) : 2012 | Yes |
| | Seller shall furnish the Type test reports to the buyer / consignee on demand | Yes |
| | DC or AC supplied electronic control gear for LED Module shall comply as per IS:15885 (Part 2/Sec.13) | Yes |
| | LED Luminaire for road and street lighting shall comply with Complusory Registration(CRS) of BIS for safety as per IS 10322 (Part 5/Section 3): 2012 as applicable on date | Yes |
| ईपीबीजी विवरण ePBG Detail | | |
| NA | | |
| नियम और शर्तें Terms and Conditions | | |
| 1. General Terms and Conditions- | | |
| 1.1 This contract is governed by the General Terms and Conditions , conditions stipulated to this Product/Service as provided in the Marketplace. | | |
| 1.2 This Contract between the Seller and the Buyer, is for the supply of the Goods and/ or Services, detailed in the schedule above, in accordance with the General Terms and Conditions (GTC) unless otherwise superseded by Goods / Services specific Special Terms and Conditions (STC) and/ or BID/Reverse Auction Additional Terms and Conditions (ATC), as applicable | | |
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