



GREEN ENERGY NETWORK



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TDS

3R LIGHT - COB FLAMEPROOF RETROFIT KIT - 45 W (ECO)



Product Specification

Name	Retrofit Kit - Flame Proof Well Glass
Model No	GENRETRO-45
Doc.No	GENRETRO-45
Date	30/04/2021.

Warranty

Chemical Industries	Oil Refinery
Mining Industries	Hazardous Industries
Petro Chemical Industries	Pharma Industries

Technical Specification Of 45 W Flameproof Wellglass Retrofit Kit - COB Eco - 3R LIGHT

Characteristics	Standred Value
SYSTEMS Wattage	45 Watt (± 5%)
SYSTEMS Input Voltage	230 Voltage
SYSTEMS Input Frequency	50 Hz
SYSTEMS Input Current	0.3 A
SYSTEMS Power Factor	> 0.96 THD - < 10%
SYSTEMS Efficiency	> 86.5%
SYSTEMS Light Spreding Angle	60° / 90° / 120° / Diffuse Degree (Default Diffuser Lens)
SYSTEMS Temperture Class	T 6
SYSTEMS IP Standred	IP 54
SYSTEMS Total Weight	1.2 Kg (Approx)
SYSTEMS Starting Time	Rapid .4 Sec.
SYSTEMS Warranty	02 - 03 Years
LED Make	Citizen / Bridgelux
LED Certification	LM 80
LED Lamp Type	COB
LED Lamp Lumen @25 Degree C	5961 Lumens
LED Lamp Lumen Efficacy (Lm/Watt)	160 - 165 Lu / Watt
LED Lamp CCT/ Color Rendering Index	6500K / RA 80 Min
LED Lamp Wattage/ Current / Voltage	41.4 W / 1150 mA / 30 - 39 V @ Tc 25 Degree C.
LED Lamp Life	50,000 Hours
LED Lamp Identification Feature	Unique Sr.No on each LED.
Actual test report of CITIZEN LED Lamp	Actual Operating test Report for 50,000 Hrs.
Driver Type	Constant Current (CC) mode
Driver Input Voltage Range	90 ~ 305 V AC
Driver Frequency Range	47 Hz - 63 Hz
Driver Protections	Input Over Current : NON - Resettable Input Over Voltage : Shutdown @ >300Vac, Auto Recovery 300Vac for 48 hours & 440Vac for 48 Hours Input Under Voltage : Shutdown < 100Vac, Auto recovery Output Short Circuit : Auto Recovery (HICCUP MODE) Output Open Circuit : Auto Recovery (HICCUP MODE) Output Overload : Yes Over Temperatur : Thermal Foldback
Driver Surge Protection	Inbuilt 04 KV (As per EN 61000-4-5)
Driver Service Life	50,000 Hours @ Tc Max
Luminaries Junction Temperature - Tj	< 84 Degree C.
Luminaries Case Temperature - Tc	< 60 Degree C.
MOC- Heat sink	Aluminium Casting - LM -06

Prepared By

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