LIGHT UP THE WORLD

FIEM INDUSTRIES LTD.

(AN ISO/TS 16949:2009, ISO 14001:2015, OHSAS 18001:2007, ISO 9001:2015 CERTIFIED & LAB NABL ACCREDITED)

Corporate Office
Plot No. 1915, Rai Industrial Estate,
Phase-V, Sonepat-131029,
Haryana (INDIA)
Tel. : +91-130-2367905
Fax : +91-130-2367903

Sales & Marketing Office
Aria Commerial Tower, (Unit No. 1A & 1C),
1st Floor, JW Marriott Hotel, Aerocity,
New Delhi-110037 (INDIA)
Tel. : 9821795327/28/29/30

Manufacturing Plant
SP1-C, Tapukara Industrial Estate,
Distt. Alwar-301707, Rajasthan (INDIA)

Website: www.fiemindustries.com

Email: ledsales@fiemindustries.com

Toll Free No: 1800 11 5969

LIGHT UP THE WORLD

Energy Saving LED Lights

CATALOGUE 2018

MANUFACTURING UNITS

Unit-I, Kundli (Haryana)

Unit-II, Hosur (Tamil Nadu)

Unit-III, Hosur (Tamil Nadu)

Unit-IV, Mysore (Karnataka)

Unit-V, Hosur (Tamil Nadu)

Unit-VI, Nalagarh (HP)

Unit-VIII, Tapukara (Rajasthan)

Unit-IX, Ahmedabad (Gujarat)

ABOUT THE COMPANY

Corporate Office & Unit-VII at Rai, Sonepat (Haryana)

Our Company started four decades ago as an OEM supplier for various automotive components and are one of the Pioneers in the Industry. It is a Public Ltd. Company listed on Bombay Stock Exchange and National Stock Exchange of India. The Company is capable of catering to the needs of almost all segments of automobile industry viz., Two-wheelers, Three-wheelers, Four-wheelers, LCVs, HTVs, tractors etc. The Company is not only catering to all prestigious OEM customers in India but also widely exporting to OEM customers globally. Today Fiem is a formidable name in the automotive lighting industry with 9 state of the art manufacturing plants in India as well as **R&D Centers (Govt. approved) located in India besides have their design office in Japan and Italy**.

The company after strengthening its position in the Automotive Industry have also gone in **for diversification since last 5 years in two more additional segments** whereby they have started manufacturing **LED Luminaires for indoor and outdoor application.** The second segment is **Integrated Passenger Information System** consisting of Train Indication; Coach Guidance & PC based Announcement System and **Passenger Information System/Led Display Systems** for Automotive- Buses and Railways.

Under the company's diversification plan it manufactures LED Luminaires such as LED Bulbs & LED Tube Light, Recess Panels, Down Lights, Spot Lights, Bay Lights, Flood Lights, Solar based Lantern and Street lights etc., for indoor and outdoor lighting. Company feels that LED is the future of lighting industry and there is no dearth for business of its LED products because of its undisputed advantages such as Huge Energy Saving, Long Reliable Life, Low Maintenance Cost, Eco -friendly, No Mercury & UV, Minimal Carbon Foot Print etc.

Our Company is the **FIRST COMPANY** to get **BIS APPROVAL** for its **LED Bulb Conforming to IS16102 (Part I) : 2012-R-84000515.** which customers' satisfaction on Fiem products towards its quality & reliability. Our LED Lighting products have additional features like long life, High Lumen Output, Bright and True Colors and No Glare or Strobe effect.

Fiem Led Lighting is 100% Indian and 100% proven, having Energy Efficient Lighting & Energy Saving Trust.

RESEARCH & DEVELOPMENT

Govt. Approved In-House Research & Development Centre

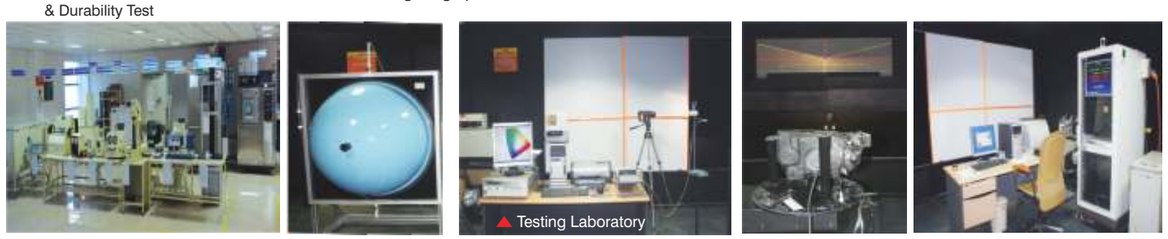
We transform the idea of our customer into innovative products by our strong R&D and Designing capabilities

▼ Design & Development Wing

▲ Photometric Simulations

▼ Environmental, Electrical, Mechanical & Durability Test

▼ Integrating Sphere - IM Ø



▲ Testing Laboratory

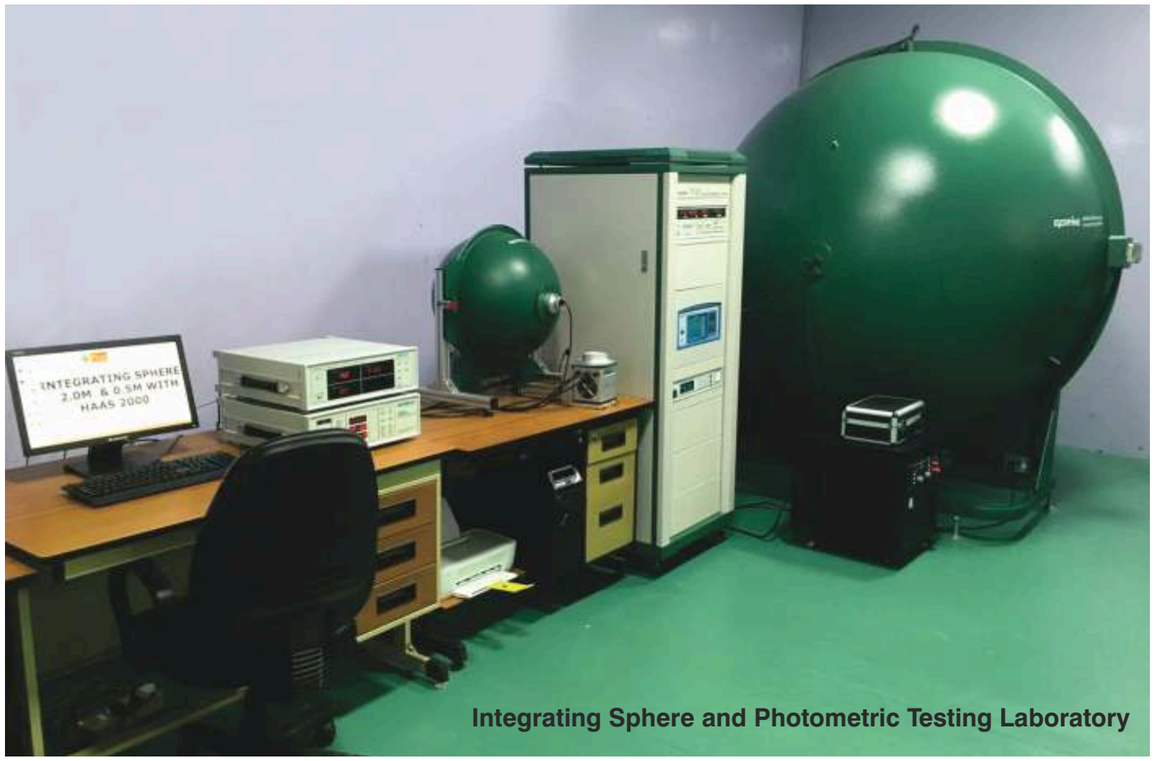
Photometry Solution Lab-consisting of Calorimetry Tester, License Lamp Testing Camera, Fully Automatic Goniometer With Test Programmes of National & International Lighting Regulations

▲ Vibration Tester with Anechoic (Elamitic) Chamber

▲ 3-d Coordinate & Profile Measuring Equipments

LIGHT UP THE WORLD

TESTING LAB



Integrating Sphere and Photometric Testing Laboratory

▲ **Durability Test**

▲ **Goniometer With Mirror Attachment**

Photometric Lab for LED Luminaires

LED MANUFACTURING FACILITIES

LIGHT UP THE WORLD

LED MANUFACTURING FACILITIES

4 Fully Automatic Lines for LED Bulb Assembly

High Power LED Street Light 10 Aging Lines

LED Bulb 4 Aging Lines

10 Assembly Lines

4 Assembly Lines

LED MANUFACTURING FACILITIES

Fiem
LIGHT UP THE WORLD

CERTIFICATES

Government approval for In-House R&D Centre

Government Approved Research & Development Centre

भारत सरकार
विज्ञान और प्रौद्योगिकी मंत्रालय
वैज्ञानिक और औद्योगिक अनुसंधान विभाग
GOVERNMENT OF INDIA
MINISTRY OF SCIENCE AND TECHNOLOGY
Department of Scientific and Industrial Research
Technology Bhavan, New Mehrauli Road,
New Delhi - 110 016

F. No.TU/IV-RD/3385 /2017 Dated: 12th June, 2017

To
M/s. Fiem Industries Ltd.
D-34, DSIDC Packaging Complex,
Kirti Nagar,
New Delhi- 110 015

Subject: RENEWAL OF RECOGNITION OF IN-HOUSE R&D UNIT(s)

Dear Sirs,

This has reference to your application for renewal of recognition of your in-House R&D unit(s) beyond 31-03-2017 by the Department of Scientific and Industrial Research.

2. This is to inform you that it has been decided to accord renewal of recognition to the in-House R&D unit(s) of your firm at **Plot No. 1915, Rai Industrial Estate, Phase- V, Distt. Sonepat (Haryana)** upto **31.03.2020**. Terms and conditions pertaining to this recognition are given overleaf.

3. Kindly acknowledge the receipt of this letter.

Yours faithfully,

(Dr S. K. Deshpande)
Scientist - 'G'

NABL Certificate of Accredited

NABL
National Accreditation Board for Testing and Calibration Laboratories
(An Autonomous Body under Department of Science & Technology, Govt. of India)

CERTIFICATE OF ACCREDITATION

FIEM INDUSTRIES LTD., R & D DIVISION

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2005
"General Requirements for the Competence of Testing & Calibration Laboratories"

for its facilities at

Plot No. 1915, Rai Industrial Estate, Phase V, Sonepat, Haryana

in the discipline of

PHOTOMETRY TESTING

(To see the scope of accreditation of this laboratory, you may also visit NABL website www.nbal-india.org)

Certificate Number T-3799
Issue Date 15/02/2016 **Valid Until** 14/02/2018

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the additional requirements of NABL

Signed for an on behalf of NABL

N. Venkateswaran
Program Manager

Anil Relia
Director

Prof. S. K. Joshi
Chairman

Quality Management System ISO 9001:2008

SWISSCERT

Certificate

SWISS CERT Pvt. Ltd. hereby certifies that the Quality Management System of

FIEM INDUSTRIES LTD.

PLOT NO. 1915, RAI INDUSTRIAL ESTATE,
PHASE – V, DISTT. SONEPAT – 131 029, HARYANA, INDIA.

has been assessed and found to be in accordance with the requirements of the quality standards

Quality Management System ISO 9001:2008

and scope of supply detailed below

MANUFACTURING AND SUPPLY OF LED LIGHTINGS, GPS BASED PASSENGER INFORMATION SYSTEMS & LED DISPLAY SYSTEMS.

Subject to the continued satisfactory operation of the client's Quality Management System, this Certificate is valid for a period of Three years from: 08.09.2014

507, PRAGATI TOWER, 26, RAJENDRA PLACE, NEW DELHI-110 008, INDIA
This Certificate will be valid until 07.09.2017
Certificate Number: 1100361 Rev. No: 00

SWISS CERT PVT. LTD. Director Operations

ISO 9001

NABCB

SWISS CERT PVT. LTD. Managing Director

ISO 9001:2015

ASR Assessment Systems Registrar LLC

FIEM INDUSTRIES LIMITED – UNIT VIII

ISO 9001:2015

CERTIFICATE OF REGISTRATION

LIGHT UP THE WORLD

CERTIFICATES

BIS Certification for LED Bulb

भारतीय मानक ब्यूरो
(उपभोक्ता मामले, खाद्य एवं सार्वजनिक वितरण मंत्रालय, भारत सरकार)
BUREAU OF INDIAN STANDARDS
(Ministry of Consumer Affairs, Food & Public Distribution, Govt. of India)

मानक भवन, 9 बहादुरशाह ज़फर मार्ग, नई दिल्ली–110002
Manak Bhawan, 9 Bahadur Shah Zafar Marg, New Delhi-110002
दूरभाष/Phone: +91-11-23230856/23230101/23233375/23239402
ई–मेल/E-mail: registration@bis.org.in
वेबसाईट/Website: http://www.bis.org.in, http://crsbis.in/BIS/

Our Ref: Registration/CRS 2016-4028/R-84000515 Date:16-06-2017

Inclusion Id: 10679

Subject :Inclusion of Additional Model(s)

MANUFACTURING UNIT :	FIEM INDUSTRIES LTD. UNIT VIII SP 1-C, TAPUKARA IND. AREA, BHIWADI, DISTT. ALWAR, RAJASTHAN - 301707, INDIA
INDIAN REPRESENTATIVE :	FIEM INDUSTRIES LTD. UNIT VIII SP 1-C, TAPUKARA IND. AREA, BHIWADI, DISTT. ALWAR, RAJASTHAN - 301707, INDIA DR. H C KAHDPAL, VICE PRESIDENT R n D kandpal@fiemindustries.com 9899206610

Dear Sir,

1. This has reference to you request for inclusion of models of **'Self-Ballasted LED Lamps For General Lighting Services' as per IS 16102(PART 1):2012 in Registration No. R-84000515** already grated to you which is valid upto 06-12-2018.

2. It is intimated that the additional models is as per details given below have been agreed to be included in you Registration No. **R-84000515 w.e.f. 09-06-2017:**

Product	Self-Ballasted LED Lamps For General Lighting Services
IS No.	IS 16102(PART 1):2012
Brand	FIEM
Inclusion of Additional Models **(w.e.f. 09-06-2017)**	5W, 7W, 9W, 12W
Factory Address	UNIT VIII SP 1-C, TAPUKARA IND. AREA, BHIWADI, DISTT. ALWAR, RAJASTHAN - 301707, INDIA

3. In view of the above, you are permitted to mark you product **'Self-Ballasted LED lamps for General Lighting Service'** having above mentioned Brand/Additional Models as per the guidelines for the use of Standard Mark and labelling requirements under BIS Compulsory Registration Scheme for Electronic and IT Products given in circular No Ref: CMD 3/8:1/6975 dated 03/12/2015 available on BIS website and Ministry of Electronics and Information Technology (Meity) notification S.O. 638(E) dated 10/02/2016, w.e.f **09-06-2017.** Other terms and conditions of the Registration Scheme shall remain same.

4. This letter is being issued with the approval of competent authority, Kindly acknowledge receipt of this letter.

Thanking you,

Yours faithfully,
(L.S. CHAUHAN)
Scientist-C(Reg.Deptt.)
Telefax : +91-11-2323 0856
E-mail: registration@bis.org.in

VCA approval for LED Display System

THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY

COMMUNICATION CONCERNING THE APPROVAL GRANTED [(1)] / ~~APPROVAL EXTENDED~~ [(1)] / ~~APPROVAL REFUSED~~ [(1)] / ~~APPROVAL WITHDRAWN~~ [(1)] / ~~PRODUCTION DEFINITIVELY DISCONTIUED~~ [(1)] OF A TYPE OF ELECTRICAL/ ELECTRONIC SUB-ASSEMBLY [(1)] WITH REGARD TO REGULATION NO. 10.04

E11 Approval No: 10R-048765

Extension No: Not applicable

1. Make (trade name of manufacturer): FIEM INDUSTRIES LTD
2. Type and general commercial description(s) : LED Display System
3. Means of identification of type, if marked on the ~~vehicle/component~~/ Separate technical unit:
   Approval number and Fiem Part No:
   LED Display Panel - 0040SDU2052-00TX
   Driver Control Unit - 0040DCU2053-00XX

3.1. Location of that marking: On the rear side of LED Display Panel and on the top of Controller

4. Category of vehicle: Not applicable
5. Name and address of manufacturer:
   FIEM INDUSTRIES LTD.
   Plot No. 1915, Rai Industrial Estate, Phase-V,
   Sonepat-131029, Haryana (India).
6. In the case of components and separate technical units, location and method of affixing of the ECE approval mark: Indelible stickers on the Back side of Display & top of Controller

ISQ317685

An executive agency of the Department for Transport
June 2012 Revision 0

1

MNRE approved LED Solar Lantern (by CPRI Lab)

CENTRAL POWER RESEARCH INSTITUTE
ENERGY EFFICIENCY AND RENEWABLE ENERGY DIVISION
Submitted by: M/s. Fiem Industries Ltd
Sample ID: 5242
Date of Issue: 17/04/2013

CPRI

TEST REPORT

SL. No.	Particulars	Details
01	Test report no.	CPRI/EERED/SPV/LED/[illegible]
02	Date	17/04/2013
03	Client's address	M/s. Fiem Industries Ltd. Plot No. 1915, Rai Industrial Estate, Phase – 5, Sonepat, Haryana – 131 029
04	Reference	NIL Dated 20/03/2013
05	Manufacturer's address	Same as above
06	Reference	--
07	Sample tested	White LED based Solar Lantern
08	Designation	--
09	Configuration	--
10	Identification no.	ERS/[illegible]/5242/2013
11	Serial no.	FL 0331
12	Date (s) of the test	27/03/2013 to 15/04/2013
13	No. of samples tested	One
14	Test in accordance with standards/specifications	MNRE Specifications 2012-2013
15	Client's requirement	Nil
16	Deviation (if any)	Nil
17	Name of the witnessing persons	Nil
18	Clients representative	Nil
19	Other than clients representative	Nil
20	No. of pages (including this page)	Four
21	No. of oscillograms	Nil
22	No. of drawings	Nil
23	No. of graphs	Nil
24	No. of photos	Nil

(M. Siddhartha Bhatt)
Additional Director

Conclusion: It is endorsed that the LED based solar lantern submitted by M/s Fiem Industries Ltd. qualifies the MNRE Specification 2012-2013 and M/s Fiem Industries Ltd. is the original manufacturer of Electronics

Test In-charge

Test Engineer

Approval from RDSO

Approval From Ministry of Railways (RDSO)

Phone : 0522 – 2450388
Fax : 0522 – 2462635
E-mail : dtelel@rdso.railnet.gov.in
dirtelerdso@gmail.com

भारत सरकार, रेल मंत्रालय
अनुसंधान अभिकल्प और मानक संगठन
लखनऊ – 226 011
Government of India - Ministry of Railways
Research Designs & Standards Organisation
LUCKNOW – 226011

No. STT/IPIS/FIEM/668 Vol-IV

To,
M/s Fiem Industries Ltd.,
Plot No. 1915 Rai Industrial Estate, Phase-V
Sonepat, Haryana - 131029

Sub.: Registration for the item Integrated Passenger Information System as per RDSO/SPN/TC-61/2015, Rev-4.

Ref.: This office letter of even No., dated: 18-2-2016.

In reference to above, competent authority as approved the inclusion of name of M/s Fiem Industries Ltd in the "List of RDSO Vendors for Development Orders" for manufacture and supply of Integrated Passenger Information Sytem as per RDSO/SPN/TC-61/2015, Rev-4. Firm's Details are as under:–

Name: M/s Fiem Industries Ltd.	
Office & Works Address:-	Plot No. 1915, Rai Industrial Estate, Phase-V, Sonepat, Haryana - 131029 Ph: 0130-2367905/06/07/08 Fax: 0130-2367903 Email:- fiemunit7@fiemindustries.com naveen.anchal@fiemindustries.com
Production capacity:	SLDB-1500, MLDB-1500, CGBD-15000, AGDB-1500,

The latest terms & conditions for approval are available at RDSO website www.rdso.indianrailways.gov.in under vendor interface as RDSO vendor Approval guidelines and shall be binding on the firm.

Copy of the approved QAP is enclosed herewith for implementation.

(P. Lal)
Director / Telecom-I
For Director General/ Telecom

Copy to:

1. ED/QA/S&T/RDSO, Lucknow — For information please.
2. Director/QA/S&T/RDSO, In front of Railway Hospital, Hasanpura Road, Jaipur-302006. — For information and necessary action.

(P. Lal)
Director / Telecom-1
For Director General/ Telecom

LIGHT UP THE WORLD

CERTIFICATES

CE certification of Drivers & Luminaires

Intertek

Intertek India Private Limited
E-20, Block B-1, Mohan Co-operative Industrial Estate
Mathura Road, New Delhi - 110 044, India
Tel: +91 11 4159 5460 Fax: +91 11 4159 5475

Test Verification of Conformity

Applicant Name & Address	:	FIEM INDUSTRIES LIMITED D -34 DSIDC Packaging Complex Kirti Nagar New Delhi – 110015 India
Manufacturing Location(s)	:	Unit I: Plot No. 1915 Rai Industrial Estate Phase V Sonepat 131029 Haryana India Unit VI: Village Bhatian, Tehsil Nalagarh, Distt. Solan – 174101 Himachal Pradesh India Unit VIII SP1-C, Tapukara Industrial Estate, Distt. Alwar–301019 Rajasthan India
Product(s) Tested	:	Recessed Luminaire
Ratings and principal characteristics	:	220V ~ 240VAC, 50±5Hz, 22 W
Model(s)	:	Prismatic - MP2P22
Brand name	:	Fiem
Relevant Standard(s)/Specification(s)	:	Low Voltage Directive (LVD) 2006/95/EC EN 60598-2-2:1996+A1:1997 used in conjunction with EN 60598-1:2004+A1:2006
Verification Issuing Office Name & Address	:	Intertek India Private Limited E-20, Block B-1, Mohan Co-operative Industrial Estate, Mathura Road, New Delhi -110044, India
Verification/Project Number(s)	:	DL12-09264

NOTE : This verification is part of the full test report(s) and should be read in conjunction with it.

This Verification is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Verification. Only the Client is authorized to permit copying or distribution of this Verification. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test/inspection results referenced in this Verification are relevant only to the sample tested/inspected. This Verification by itself does not imply that the material, product, or service is or has ever been under an Intertek certification programme.

Rakesh Chaurasia
Operations Head
02nd October 2012

www.intertek.com

CE certification of LED Bulbs

Intertek

Intertek India Private Limited,
E-20, Block B-1, Mohan Co-operative Industrial Estate
Mathura Road, New Delhi-110 044, India
Telephone: +91-11-4159 5400,
Facsimile: +91-11-4159 5475

TEST REPORT
IEC 62560
Self-Ballasted LED-Lamp
for general lighting services by voltage > 50V Safety specifications

Report Number	:	[illegible]
Date of issue	:	10th September 2013
Total number of pages	:	20
Tested by (printed name and signature)	:	Vikram Gupta
Approved by (printed name and signature)	:	Rakesh Chaurasia
Testing Laboratory Name	:	Intertek India Pvt. Ltd.
Address	:	E-20, B-1 Mohan Co-operative Industrial Estate, Mathura Road, New Delhi - 110044 India
Applicant's name	:	FIEM INDUSTRIES LTD
Address	:	Plot No. 1915, HSIDC, Rai Industrial Estate, DISTT Sonepat 131029, HARYANA (INDIA)
Test specification:		
Standard	:	IEC 62560:2011 (First Edition)
Test procedure	:	CB Scheme
Non-standard test method	:	N/A
Test Report Form No.	:	IEC62560A
Test Report Form(s) Originator	:	DEKRA Certification B.V.
Master TRF	:	Dated 2011-10

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[illegible]

Test item description	:	Self-ballasted LED lamp
Trade Mark	:	FIEM
Manufacturer	:	B-AF5, B-AF7, B-AF9
Model/Type reference	:	B-AF5: 220-240V~, 50Hz, 5W, 0.035A B-AF7: 220-240V~, 50Hz, 7W, 0.045A B-AF9: 220-240V~, 50Hz, 9W, 0.065A
Ratings	:	Self-ballasted LED lamp

An independent organization testing for safety, performance, and certification.

[illegible]

UL test certificate for LED Bulb-7W

UL

Report Number: 4786746965-01-NABL-S1

TEST DISCIPLINE: ELECTRICAL

General details

Customer / Applicant	M/s. FIEM INDUSTRIES LTD. PLOT NO.-1915, RAI INDUSTRIAL ESTATE ,PHASE-V SONEPAT-131029 , HARYANA		
Manufacturer	M/s. FIEM INDUSTRIES LTD.		
Program	NABL		
Test Lab Location	(b) UL Manesar	**Refer to Cover page for the Location address**	
Item Under Test	LED Bulb 7W CW B-22		
Model	FLA017W57KB22		
Number of samples	1		
Sample Identification	1947558	**Refer Summary of Test results for multiple samples**	
Manufacturer Serial Numer (if any)	- -		
Condition of IUT on Receipt	Good		
Date of Receipt	1 September 2014		
Applicable Standard	IES LM 79-08		
Date of Testing (Start Date)	1 September 2014	**End Date**	2 September 2014
Lab general* ambient condition	**Temperature in OC**		23±5OC
	Relative humidity in %		<70%
Date of Reporting	4 September 2014		
Test in-charge	Arun Kumar		

\# Fill in the rows with information or add hyphen (-)

Reviewed by	Authorized signatory
Hari Om Engineer	Abhay Mehta Engineer

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12-LO-F0851, Issue 3.0

Page **2** of **11**

UL test certificate for 60W Street Light

UL

Report Number: 4786746965-01-NABL-S1

TEST DISCIPLINE: ELECTRICAL

General details

Customer / Applicant	M/s. FIEM INDUSTRIES LTD. PLOT NO.-1915, RAI INDUSTRIAL ESTATE ,PHASE-V SONEPAT-131029 , HARYANA		
Manufacturer	M/s. FIEM INDUSTRIES LTD.		
Program	NABL		
Test Lab Location	(b) UL Manesar	Refer to Cover page for the Location address	
Item Under Test	60W Street Light		
Model	FLN0360W65K		
Number of samples	1		
Sample Identification	2025179	Refer Summary of Test results for multiple samples	
Manufacturer Serial Numer (if any)	- -		
Condition of IUT on Receipt	Good		
Date of Receipt	29 December 2014		
Applicable Standard	IS 10322 Part 5/Sec 3:2012 , IS 10332 Part 1:1982 & IS 10322 Part 4:1984		
Date of Testing (Start Date)	29 December 2014	End Date	30 December 2014
Lab general* ambient condition	Temperature in °C		23±5°C
	Relative humidity in %		<70%
Date of Reporting	6 January 2015		
Test in-charge	Manish Surti		

\# Fill in the rows with information or add hyphen (-)

Reviewed by	Authorized signatory
Ritesh Kumar Project Engineer	Gautam Brahmbhatt Technical Manager

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12-LO-F0851, Issue 3.0

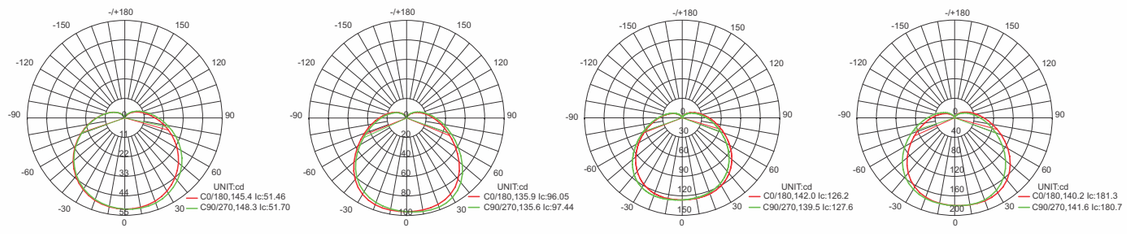
Page **2** of **7**

LIGHT UP THE WORLD

LED CLASSIC BULB

EXPLODED VIEW

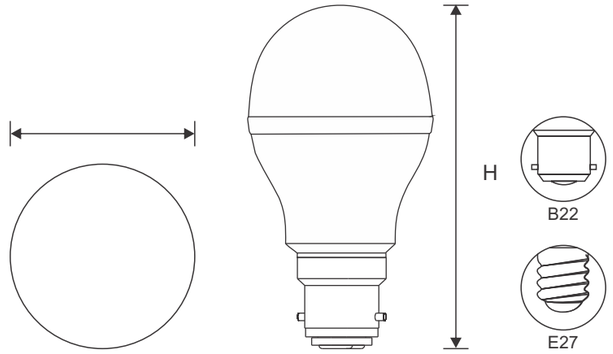
LIGHT DISTRIBUTION



3W 5W 7W 9W

LED CLASSIC BULB

DIMENSIONAL DRAWING



ELECTRICAL/DIMENSIONS:

CAT. REF.	Rated Wattage	Working Voltage	Colour Temp.	Initial Lumens	THD	CRI	Power Factor	Base	Dimensions (mm)		Life (Upto)	Packing
										H		
FLA013W30KB22	3W	100V-300V	3000K	255	<20%	>80	0.50	B22	52	93	25,000 Hrs	50 Nos
FLA013W65KB22	3W	100V-300V	6500K	255	<20%	>80	0.50	B22	52	93	25,000 Hrs	50 Nos
FLA013W30KE27	3W	100V-300V	3000K	255	<20%	>80	0.50	E27	52	93	25,000 Hrs	50 Nos
FLA013W65KE27	3W	100V-300V	6500K	255	<20%	>80	0.50	E27	52	93	25,000 Hrs	50 Nos
FLA015W30KB22*	5W	100V-300V	3000K	460	<20%	>80	0.90	B22	55	100	25,000 Hrs	50 Nos
FLA015W65KB22*	5W	100V-300V	6500K	460	<20%	>80	0.90	B22	55	100	25,000 Hrs	50 Nos
FLA015W30KE27*	5W	100V-300V	3000K	460	<20%	>80	0.90	E27	55	100	25,000 Hrs	50 Nos
FLA015W65KE27*	5W	100V-300V	6500K	460	<20%	>80	0.90	E27	55	100	25,000 Hrs	50 Nos
FLA017W30KB22*	7W	100V-300V	3000K	650	<20%	>80	0.90	B22	55	100	25,000 Hrs	50 Nos
FLA017W65KB22*	7W	100V-300V	6500K	650	<20%	>80	0.90	B22	55	100	25,000 Hrs	50 Nos
FLA017W30KE27*	7W	100V-300V	3000K	650	<20%	>80	0.90	E27	55	100	25,000 Hrs	50 Nos
FLA017W65KE27*	7W	100V-300V	6500K	650	<20%	>80	0.90	E27	55	100	25,000 Hrs	50 Nos
FLA019W30KB22*	9W	100V-300V	3000K	820	<20%	>80	0.90	B22	55	100	25,000 Hrs	50 Nos
FLA019W65KB22*	9W	100V-300V	6500K	820	<20%	>80	0.90	B22	55	100	25,000 Hrs	50 Nos
FLA019W30KE27*	9W	100V-300V	3000K	820	<20%	>80	0.90	E27	55	100	25,000 Hrs	50 Nos
FLA019W65KE27*	9W	100V-300V	6500K	820	<20%	>80	0.90	E27	55	100	25,000 Hrs	50 Nos

FEATURES

- Long Life • Eco Friendly • No Mercury • No UV • High Energy Saving
- Bright and True Colours • High Lumen Output • No Glare or Strobe Effect

CONSTRUCTION

- Aluminium housing with Plastic coating
- LED fixing system is as per European Standard

APPLICATIONS

House Office Hospital Hotel Restaurant

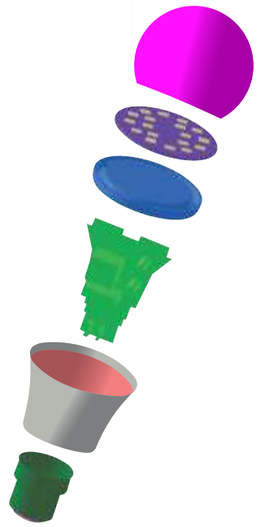
LM-80 INDOOR HARMLESS FOR EYES ECO-FRIENDLY

Conforming Standards: LM- 80 & Photo Biological Test IEC62471 * **BIS Conforming: IS-16102 (Part I):2012-R-84000515**

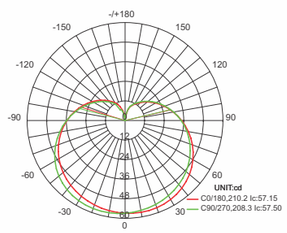
Fiem
LIGHT UP THE WORLD

LED PREMIUM BULB

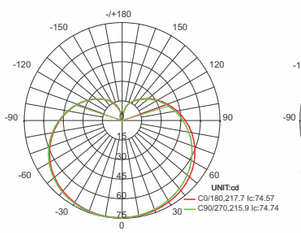
EXPLODED VIEW



LIGHT DISTRIBUTION



5W



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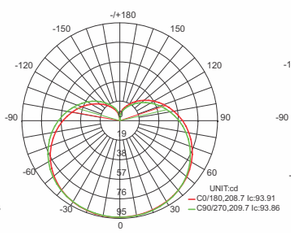
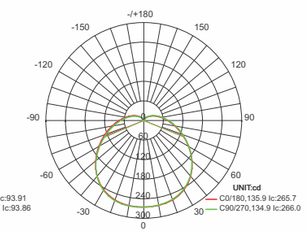


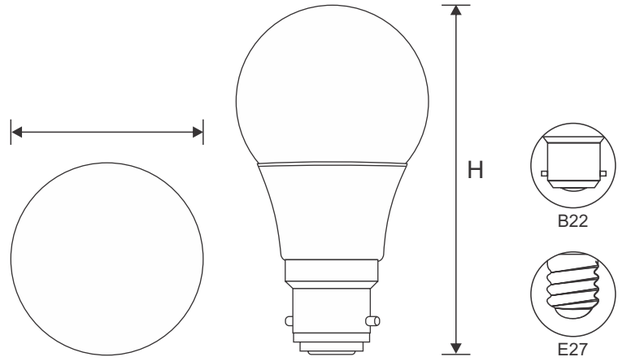
9W



12W

LED PREMIUM BULB

DIMENSIONAL DRAWING



ELECTRICAL/DIMENSIONS:

CAT. REF.	Rated Wattage	Working Voltage	Colour Temp.	Initial Lumens	THD	CRI	Power Factor	Base	Dimensions (mm)		Life (Upto)	Packing
										H		
FLA025W30KB22*	5W	100V-300V	3000K	450	<20%	>80	0.90	B22	60	110	25,000 Hrs	50 Nos
FLA025W65KB22*	5W	100V-300V	6500K	450	<20%	>80	0.90	B22	60	110	25,000 Hrs	50 Nos
FLA025W30KE27*	5W	100V-300V	3000K	450	<20%	>80	0.90	E27	60	110	25,000 Hrs	50 Nos
FLA025W65KE27*	5W	100V-300V	6500K	450	<20%	>80	0.90	E27	60	110	25,000 Hrs	50 Nos
FLA027W30KB22*	7W	100V-300V	3000K	630	<20%	>80	0.90	B22	60	110	25,000 Hrs	50 Nos
FLA027W65KB22*	7W	100V-300V	6500K	630	<20%	>80	0.90	B22	60	110	25,000 Hrs	50 Nos
FLA027W30KE27*	7W	100V-300V	3000K	630	<20%	>80	0.90	E27	60	110	25,000 Hrs	50 Nos
FLA027W65KE27*	7W	100V-300V	6500K	630	<20%	>80	0.90	E27	60	110	25,000 Hrs	50 Nos
FLA029W30KB22*	9W	100V-300V	3000K	810	<20%	>80	0.90	B22	70	125	25,000 Hrs	50 Nos
FLA029W65KB22*	9W	100V-300V	6500K	810	<20%	>80	0.90	B22	70	125	25,000 Hrs	50 Nos
FLA029W30KE27*	9W	100V-300V	3000K	810	<20%	>80	0.90	E27	70	125	25,000 Hrs	50 Nos
FLA029W65KE27*	9W	100V-300V	6500K	810	<20%	>80	0.90	E27	70	125	25,000 Hrs	50 Nos
FLA0212W30KB22*	12W	100V-300V	3000K	1150	<20%	>80	0.90	B22	68	129	25,000 Hrs	40 Nos
FLA0212W65KB22*	12W	100V-300V	6500K	1150	<20%	>80	0.90	B22	68	129	25,000 Hrs	40 Nos
FLA0212W30KE27*	12W	100V-300V	3000K	1150	<20%	>80	0.90	E27	68	129	25,000 Hrs	40 Nos
FLA0212W65KE27*	12W	100V-300V	6500K	1150	<20%	>80	0.90	E27	68	129	25,000 Hrs	40 Nos
FLA0212W30KB22-A*	12W	100V-300V	3000K	1200	<20%	>80	0.90	B22	68	129	25,000 Hrs	40 Nos
FLA0212W65KB22-A*	12W	100V-300V	6500K	1200	<20%	>80	0.90	B22	68	129	25,000 Hrs	40 Nos

FEATURES

- Long Life • Eco Friendly • No Mercury • No UV • High Energy Saving
- Bright and True Colours • High Lumen Output • No Glare or Strobe Effect

CONSTRUCTION

- Aluminium housing with Plastic coating
- LED fixing system is as per European Standard

APPLICATIONS

House Office Hospital Hotel Restaurant

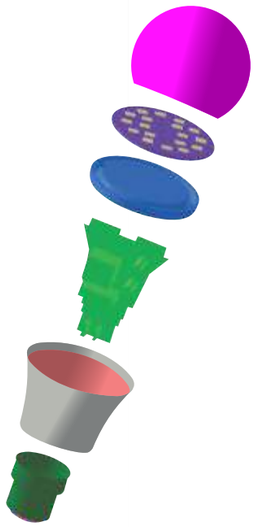
LM-80 INDOOR HARMLESS FOR EYES ECO-FRIENDLY

Conforming Standards: LM- 80 & Photo Biological Test IEC62471 * **BIS Conforming: IS-16102 (Part I):2012-R-84000515**

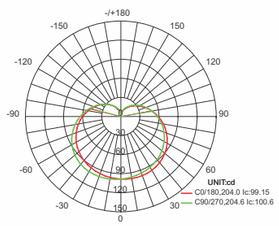
LIGHT UP THE WORLD

LED 3-IN-1 BULB

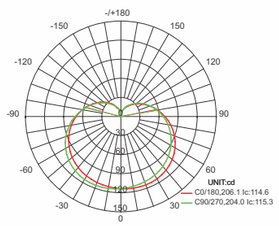
EXPLODED VIEW



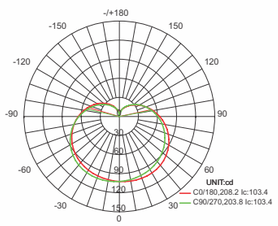
LIGHT DISTRIBUTION



3000K



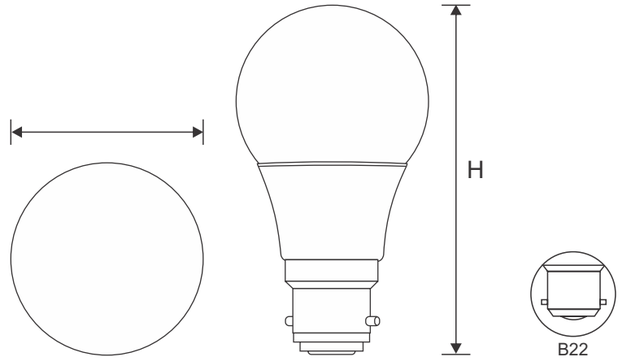
4500K



6500K

LED 3-IN-1 BULB

DIMENSIONAL DRAWING



ELECTRICAL/DIMENSIONS:

CAT. REF.	Rated Wattage	Working Voltage	Colour Temp.	Initial Lumens	THD	CRI	Power Factor	Base	Dimensions (mm)		Life (Upto)	Packing
										H		
FLA089W30KB22	9W	100V-300V	3000K	730	<15%	>80	0.90	B22	70	125	25,000 Hrs	50 Nos
FLA089W45KB22	9W	100V-300V	4500K	730	<15%	>80	0.90	B22	70	125	25,000 Hrs	50 Nos
FLA089W65KB22	9W	100V-300V	6500K	730	<15%	>80	0.90	B22	70	125	25,000 Hrs	50 Nos

Switch Cycle	1	2	3	4
Colour	Cool White	Warm White	Natural White	Cool White

FEATURES

- Light Colour Control using the AC main switch.
- By turning on/off/on within 6 seconds, the colour of the light can be changed among cool white, warm white and natural white.
- The last set colour is maintained once the light is ON for 5 seconds.

CONSTRUCTION

- Aluminium housing with Plastic coating
- LED fixing system is as per European Standard

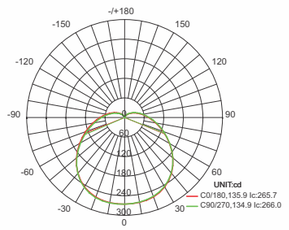
APPLICATIONS

Conforming Standards: LM- 80 & Photo Biological Test IEC62471

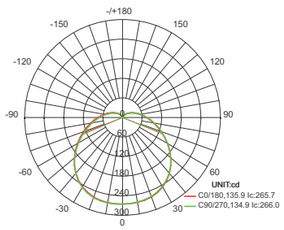
LED DIMMABLE / 3 STEP DIMMABLE BULB

EXPLODED VIEW

LIGHT DISTRIBUTION



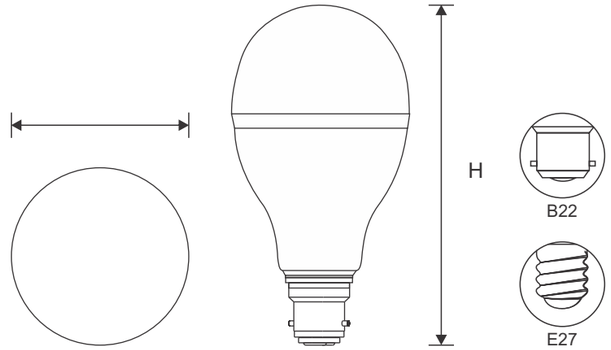
3000K



6500K

LED DIMMABLE / 3 STEP DIMMABLE BULB

DIMENSIONAL DRAWING



ELECTRICAL/DIMENSIONS:

CAT. REF.	Rated Wattage	Working Voltage	Colour Temp.	Initial Lumens	THD	CRI	Power Factor	Base	Dimensions (mm)		Life (Upto)	Packing
										H		
FLA07-D-12W30KB22	12W	100V-300V	3000K	1150	<20%	>80	0.90	B22	68	129	25,000 Hrs	40 Nos
FLA07-D-12W65KB22	12W	100V-300V	6500K	1150	<20%	>80	0.90	B22	68	129	25,000 Hrs	40 Nos
FLA07-D-12W30KE27	12W	100V-300V	3000K	1150	<20%	>80	0.90	E27	68	129	25,000 Hrs	40 Nos
FLA07-D-12W65KE27	12W	100V-300V	6500K	1150	<20%	>80	0.90	E27	68	129	25,000 Hrs	40 Nos
FLA07-3S-12W30KB22	12W	100V-300V	3000K	1150	<20%	>80	0.90	B22	68	129	25,000 Hrs	40 Nos
FLA07-3S-12W65KB22	12W	100V-300V	6500K	1150	<20%	>80	0.90	B22	68	129	25,000 Hrs	40 Nos
FLA07-3S-12W30KE27	12W	100V-300V	3000K	1150	<20%	>80	0.90	E27	68	129	25,000 Hrs	40 Nos
FLA07-3S-12W65KE27	12W	100V-300V	6500K	1150	<20%	>80	0.90	E27	68	129	25,000 Hrs	40 Nos

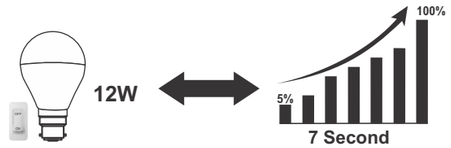
D = Dimmable **3S** = 3 Step Dimmable

Features:

- Continuous Analog Dimming Controlled by any AC wall Switch
- Upon turning on the switch, the light will start at 5% and Brighten to 100 % within 7second s
- Great Value - No Dimmer cost
- Easy - No Dimmer installation
- High Efficiency, High Energy Saving
- Long life & Eco Friendly
- High Lumen Output Bright and True Colour

Dimming Action:

- This bulb increase brightness from low to high when turned ON.
- Flick the switch any time before full brightness to lock in the dimming level you desire.
- Flick again to repeat the cycle.

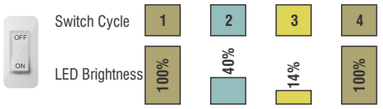


3 STEP DIMMABLE BULB

Features:

- Light brightness control by using AC Main Switch
- By turning On/OFF/ON, the brightness of light is controlled in steps of 100%, 40% and 10%
- No dimmer requirement and ideal solution for energy saving.
- Easy Installation

Dimming Action:



CONSTRUCTION

- Aluminium housing with Plastic coating
- LED fixing system is as per European Standard

APPLICATIONS

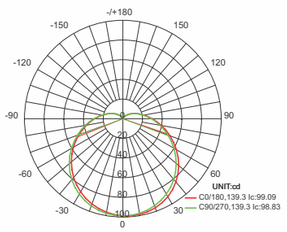
Cautions: • Only Operates with AC Power Supply • Not for Use in Totally Enclosed Fixture • Disconnect Power before Changing Lamp

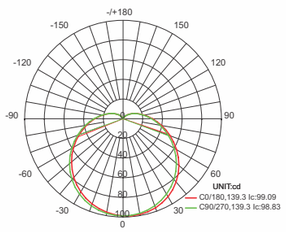
LIGHT UP THE WORLD

LED EMERGENCY BULB

EXPLODED VIEW

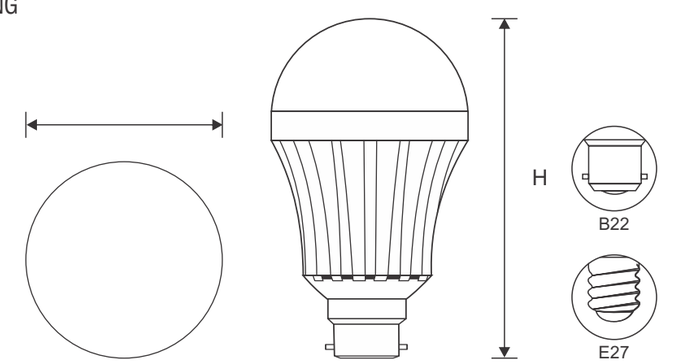
LIGHT DISTRIBUTION





LED EMERGENCY BULB

DIMENSIONAL DRAWING



ELECTRICAL/DIMENSIONS:

CAT. REF.	Rated Wattage	Working Voltage	Colour Temp.	CRI	Base	Dimensions (mm)		Packing
							H	
FLA057W30KB22	7W	140V-270V	3000K	>80	B22	68	121	50 Nos
FLA057W65KB22	7W	140V-270V	6500K	>80	B22	68	121	50 Nos
FLA057W30KE27	7W	140V-270V	3000K	>80	E27	68	121	50 Nos
FLA027W65KE27	7W	140V-270V	6500K	>80	E27	68	121	50 Nos

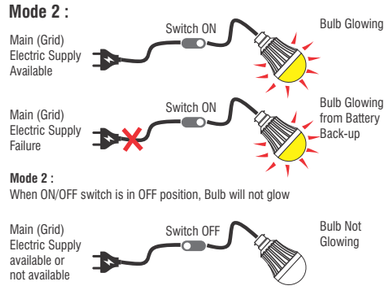
WORKING INSTRUCTIONS:

LED Emergency Bulb is fitted with Lithium Ion Battery to keep the Bulb glowing even when the Main (Grid) Electric Supply fails. Bulb has 2 modes of operations as mentioned below :-

Mode 1 :

When the Bulb ON/OFF switch is in ON position, then bulb will be glowing from Main (Grid) Electric Supply and also Battery will get charged, in case of Main (Grid) Electric Supply failure Bulb will be still glowing and will be powered by internal Battery giving a back-up upto 4 hours under fully charged Battery condition.

Mode 2 :



Mode 2 :
When ON/OFF switch is in OFF position, Bulb will not glow

FEATURES

- Long Life • Eco Friendly • High Energy Saving • Bright and True Colours
- High Lumen Output • Instant Start

CONSTRUCTION

- LED fixing system is as per European Standard

APPLICATIONS

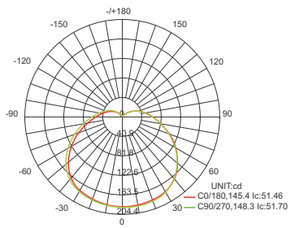
Conforming Standards: LM- 80 & Photo Biological Test IEC62471

LIGHT UP THE WORLD

LED SMART BULB

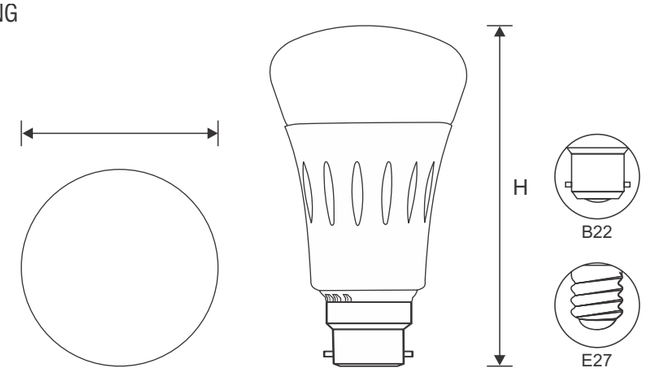
EXPLODED VIEW

LIGHT DISTRIBUTION



LED SMART BULB

DIMENSIONAL DRAWING



ELECTRICAL/DIMENSIONS:

CAT. REF.	Rated Wattage	Working Voltage	Colour Temp.	Initial Lumens	Base	Dimensions (mm)		Life (Upto)	Packing
							H		
FLA066WRGBB22	6W	85V-265V	RGB	600	B22	62	117	25,000 Hrs	50 Nos
FLA066WRGBE27	6W	85V-265V	RGB	600	E27	62	117	25,000 Hrs	50 Nos

WORKING

Intelligent Smart Bulb, which can be connected with controller pod to power source. This work through Bluetooth and shall be used with the IOS (Apple iphone)/ Android App to pair bulb with the controller. It has more than one million colour combinations such as changing colour as per music and dance and also can checks the heartbeat.

Works through Bluetooth

Used with the IOS (Apple)/ Android App

More than One Million Colour Combinations

Checks the Heartbeat

FEATURES

- Long Life • Eco Friendly • High Energy Saving • Bright and True Colours
- High Lumen Output • Instant Start

CONSTRUCTION

- Aluminium housing with Plastic coating
- LED fixing system is as per European Standard

APPLICATIONS

House Office Hospital Hotel Restaurant

LM-80 INDOOR HARMLESS FOR EYES ECO-FRIENDLY

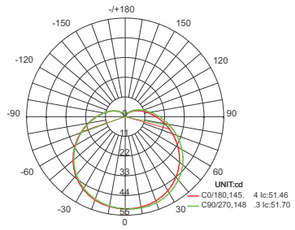
Conforming Standards: • LM- 80 & Photo Biological Test IEC62471 • IEC - 62560-211

LIGHT UP THE WORLD

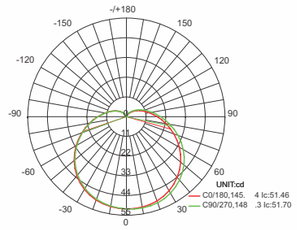
LED DECO / CANDLE BULB

EXPLODED VIEW

LIGHT DISTRIBUTION



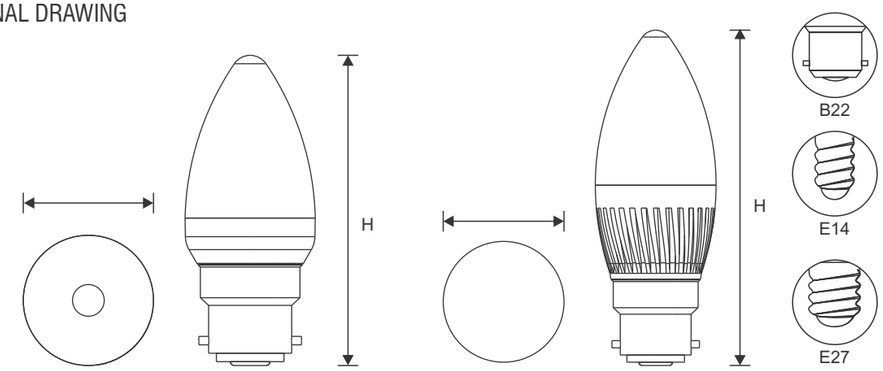
Deco Bulb



Candle Bulb

LED DECO / CANDLE BULB

DIMENSIONAL DRAWING



ELECTRICAL/DIMENSIONS DECO BULB:

CAT. REF.	Rated Wattage	Working Voltage	Colour Temp.	Power Factor	Base	Dimensions (mm)		Life (Upto)	Packing
							H		
FLA03HWRB22	0.5W	100V-300V	RED	0.50	B22	35	83	25,000 Hrs	100 Nos
FLA03HWWB22	0.5W	100V-300V	WHITE	0.50	B22	35	83	25,000 Hrs	100 Nos
FLA03HWYB22	0.5W	100V-300V	YELLOW	0.50	B22	35	83	25,000 Hrs	100 Nos
FLA03HWBB22	0.5W	100V-300V	BLUE	0.50	B22	35	83	25,000 Hrs	100 Nos
FLA03HWGB22	0.5W	100V-300V	GREEN	0.50	B22	35	83	25,000 Hrs	100 Nos

*Also Available

ELECTRICAL/DIMENSTIONS CANDLE BULB:

CAT. REF.	Rated Wattage	Working Voltage	Colour Temp.	Initial Lumens	CRI	Power Factor	Base	Dimensions (mm)		Life (Upto)	Packing
									H		
FLA043W30KE14	3W	100V-300V	3000K	210	>75	0.50	E14	34	104	25,000 Hrs	100 Nos
FLA043W30KE27	3W	100V-300V	3000K	210	>75	0.50	E27	34	104	25,000 Hrs	100 Nos
FLA043W30KB22	3W	100V-300V	3000K	210	>75	0.50	B22	34	104	25,000 Hrs	100 Nos
FLA043W65KE14	3W	100V-300V	6500K	210	>75	0.50	E14	34	104	25,000 Hrs	100 Nos
FLA043W65KE27	3W	100V-300V	6500K	210	>75	0.50	E27	34	104	25,000 Hrs	100 Nos
FLA043W65KB22	3W	100V-300V	6500K	210	>75	0.50	B22	34	104	25,000 Hrs	100 Nos

FEATURES

- Long Life • Eco Friendly • No Mercury • No UV • High Energy Saving
- Bright and True Colours • High Lumen Output • No Glare or Strobe Effect

CONSTRUCTION

- Housing with engineering thermoplastic
- LED fixing system is as per European Standard

APPLICATIONS

House Office Hospital Hotel Restaurant

LM-80 INDOOR HARMLESS FOR EYES ECO-FRIENDLY

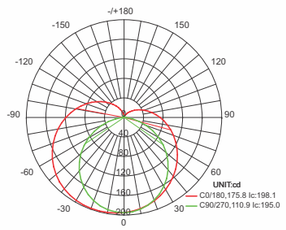
Conforming Standards: LM- 80 & Photo Biological Test IEC62471

LIGHT UP THE WORLD

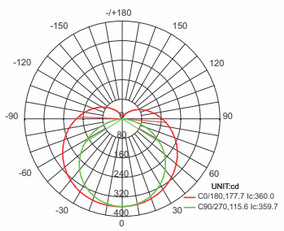
LED T8 TUBE LIGHT

EXPLODED VIEW

LIGHT DISTRIBUTION



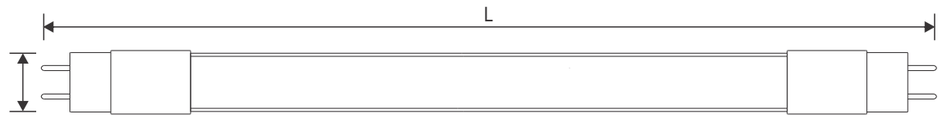
10W



20W

LED T8 TUBE LIGHT

DIMENSIONAL DRAWING



ELECTRICAL/DIMENSIONS:

CAT. REF.	Rated Wattage	Working Voltage	Colour Temp.	Initial Lumens	THD	CRI	Power Factor	Base	Dimensions (mm)		Life (Upto)	Packing
									L			
FLB01-A-20WT830K	20W	100V-300V	3000K	1900	<20%	>80	0.90	G13	1200	27	25,000 Hrs	20 Nos
FLB01-A-20WT865K	20W	100V-300V	6500K	1900	<20%	>80	0.90	G13	1200	27	25,000 Hrs	20 Nos
FLB01-A-10WT830K	10W	100V-300V	3000K	950	<20%	>80	0.90	G13	600	27	25,000 Hrs	20 Nos
FLB01-A-10WT865K	10W	100V-300V	6500K	950	<20%	>80	0.90	G13	600	27	25,000 Hrs	20 Nos
FLB01-P-20WT830K	20W	100V-300V	3000K	1900	<20%	>80	0.90	G13	1200	27	25,000 Hrs	20 Nos
FLB01-P-20WT865K	20W	100V-300V	6500K	1900	<20%	>80	0.90	G13	1200	27	25,000 Hrs	20 Nos
FLB01-P-10WT830K	10W	100V-300V	3000K	950	<20%	>80	0.90	G13	600	27	25,000 Hrs	20 Nos
FLB01-P-10WT865K	10W	100V-300V	6500K	950	<20%	>80	0.90	G13	600	27	25,000 Hrs	20 Nos

A = Aluminium **P** = Plastic

FEATURES

- Long Life • Eco Friendly • No Mercury • No UV • High Energy Saving
- Bright and True Colours • High Lumen Output • No Glare or Strobe Effect

CONSTRUCTION

- Extruded Aluminium / Thermoplastic housing with highly efficient PC diffuser
- T-8 type G13 Cap
- LED fixing system is as per European Standard

APPLICATIONS

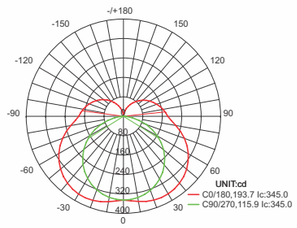
Conforming Standards: LM- 80 & Photo Biological Test IEC62471

LIGHT UP THE WORLD

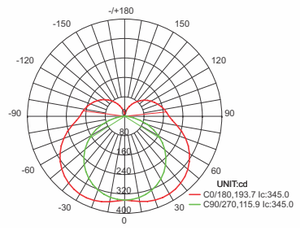
LED T8 TUBE LIGHT (BATTEN)

EXPLODED VIEW

LIGHT DISTRIBUTION



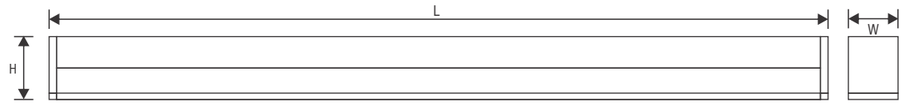
10W



20W

LED T8 TUBE LIGHT (BATTEN)

DIMENSIONAL DRAWING



ELECTRICAL/DIMENSIONS:

CAT. REF.	Rated Wattage	Working Voltage	Colour Temp.	Initial Lumens	THD	CRI	Power Factor	Dimensions (mm)			Life (Upto)	Packing
								L	W	H		
FLC03-P-20WT830K	20W	100V-300V	3000K	2000	<20%	>80	0.90	1135	22	35	25,000 Hrs	20 Nos
FLC03-P-20WT865K	20W	100V-300V	6500K	2000	<20%	>80	0.90	1135	22	35	25,000 Hrs	20 Nos
FLC03-P-10WT830K	10W	100V-300V	3000K	1000	<20%	>80	0.90	568	22	35	25,000 Hrs	20 Nos
FLC03-P-10WT865K	10W	100V-300V	6500K	1000	<20%	>80	0.90	568	22	35	25,000 Hrs	20 Nos

P = Plastic

FEATURES

- Long Life • Eco Friendly • No Mercury • No UV • High Energy Saving
- Bright and True Colours • High Lumen Output • No Glare or Strobe Effect

CONSTRUCTION

- Thermoplastic housing with highly efficient PC diffuser
- LED fixing system is as per European Standard

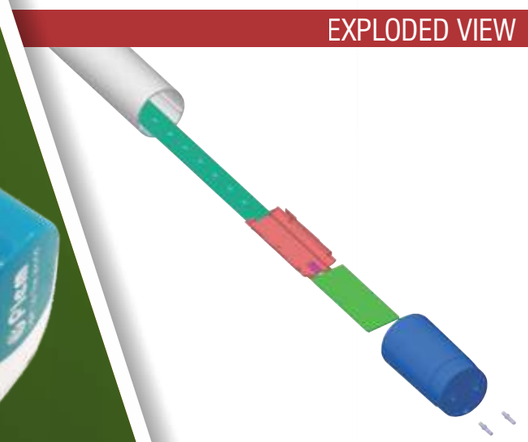
APPLICATIONS

Conforming Standards: LM- 80 & Photo Biological Test IEC62471

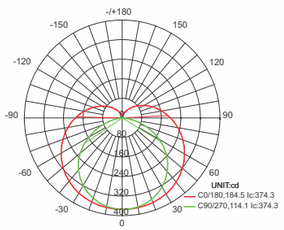
LIGHT UP THE WORLD

LED T8 TUBE LIGHT (STRIP)

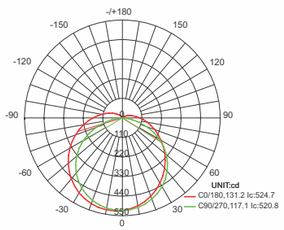
EXPLODED VIEW



LIGHT DISTRIBUTION



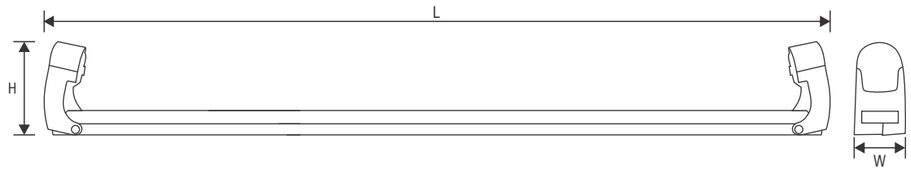
Plastic



Aluminium

LED T8 TUBE LIGHT (STRIP)

DIMENSIONAL DRAWING



ELECTRICAL/DIMENSIONS:

CAT. REF.	Rated Wattage	Working Voltage	Colour Temp.	Initial Lumens	THD	CRI	Power Factor	Base	Dimensions (mm)		Life (Upto)	Packing
									L			
FLC02-A-20WT830K	20W	100V-300V	3000K	1900	<20%	>80	0.90	G13	1240	68	25,000 Hrs	20 Nos
FLC02-A-20WT865K	20W	100V-300V	6500K	1900	<20%	>80	0.90	G13	1240	68	25,000 Hrs	20 Nos
FLC02-A-10WT830K	10W	100V-300V	3000K	950	<20%	>80	0.90	G13	620	68	25,000 Hrs	20 Nos
FLC02-A-10WT865K	10W	100V-300V	6500K	950	<20%	>80	0.90	G13	620	68	25,000 Hrs	20 Nos
FLC02-P-20WT830K	20W	100V-300V	3000K	1900	<20%	>80	0.90	G13	1240	68	25,000 Hrs	20 Nos
FLC02-P-20WT865K	20W	100V-300V	6500K	1900	<20%	>80	0.90	G13	1240	68	25,000 Hrs	20 Nos
FLC02-P-10WT830K	10W	100V-300V	3000K	950	<20%	>80	0.90	G13	620	68	25,000 Hrs	20 Nos
FLC02-P-10WT865K	10W	100V-300V	6500K	950	<20%	>80	0.90	G13	620	68	25,000 Hrs	20 Nos

A = Aluminium **P** = Plastic

FEATURES

- Long Life • Eco Friendly • No Mercury • No UV • High Energy Saving
- Bright and True Colours • High Lumen Output • No Glare or Strobe Effect

CONSTRUCTION

- Batten: CRCA sheet metal with white epoxy powder coated and side plastic cap
- LED fixing system is as per European Standard

APPLICATIONS

House Office Hospital Hotel Restaurant Warehouse

LM-80 INDOOR HARMLESS FOR EYES ECO-FRIENDLY

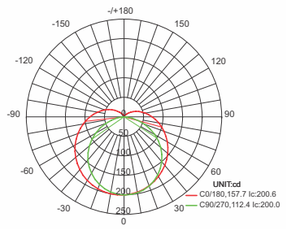
Conforming Standards: LM- 80 & Photo Biological Test IEC62471

LIGHT UP THE WORLD

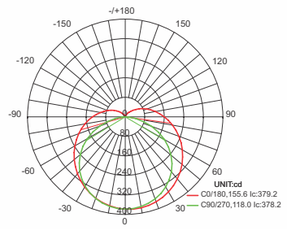
LED T5 TUBE FITTING (BATTEN)

EXPLODED VIEW

LIGHT DISTRIBUTION



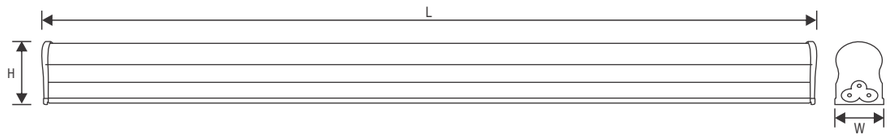
8W



16W

LED T5 TUBE FITTING (BATTEN)

DIMENSIONAL DRAWING



ELECTRICAL/DIMENSIONS:

CAT. REF.	Rated Wattage	Working Voltage	Colour Temp.	Initial Lumens	THD	CRI	Power Factor	Dimensions (mm)			Life (Upto)	Packing
								L	W	H		
FLC01-P-16WT530K	16W	100V-300V	3000K	1440	<20%	>80	0.90	1160	23	33	25,000 Hrs	20 Nos
FLC01-P-16WT565K	16W	100V-300V	6500K	1440	<20%	>80	0.90	1160	23	33	25,000 Hrs	20 Nos
FLC01-P-8WT530K	8W	100V-300V	3000K	720	>20%	>80	0.90	580	23	33	25,000 Hrs	20 Nos
FLC01-P-8WT565K	8W	100V-300V	6500K	720	<20%	>80	0.90	580	23	33	25,000 Hrs	20 Nos

P = Plastic

FEATURES

- Long Life • Eco Friendly • No Mercury • No UV • High Energy Saving
- Bright and True Colours • High Lumen Output • No Glare or Strobe Effect

CONSTRUCTION

- Thermoplastic housing with highly efficient PC diffuser
- LED fixing system is as per European Standard

APPLICATIONS

House Office Hospital Hotel Restaurant Warehouse

LM-80 INDOOR HARMLESS FOR EYES ECO-FRIENDLY

Conforming Standards: LM- 80 & Photo Biological Test IEC62471

LIGHT UP THE WORLD

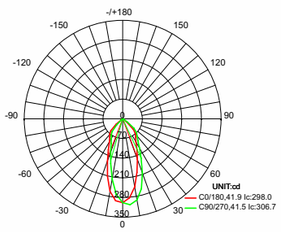
LED SPOT LIGHT (MR16)

FLD015W27KGU10

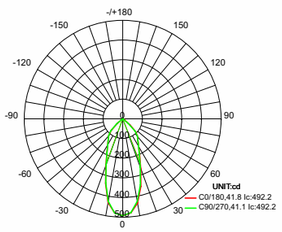
FLD013W27KG53

EXPLODED VIEW

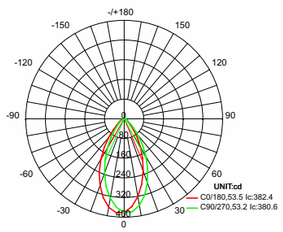
LIGHT DISTRIBUTION



3W



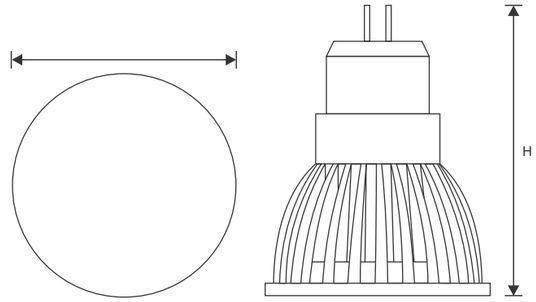
5W



7W

LED SPOT LIGHT (MR16)

DIMENSIONAL DRAWING



ELECTRICAL/DIMENSIONS:

CAT. REF.	Rated Wattage	Working Voltage	Colour Temp.	Initial Lumens	THD	CRI	Power Factor	Base	Dimensions (mm)		Life (Upto)	Packing
										H		
FLD013W27KG53	3W	100V-300V	2700K	240	<20%	>80	0.50	G5.3	50	62	25,000 Hrs	100 Nos
FLD015W27KG53	5W	100V-300V	2700K	380	<20%	>80	0.50	G5.3	50	62	25,000 Hrs	100 Nos
FLD015W27KGU10	5W	100V-300V	2700K	380	<20%	>80	0.50	GU10	50	62	25,000 Hrs	100 Nos
FLD017W27KGU10	7W	100V-300V	2700K	500	<20%	>80	0.50	GU10	50	82	25,000 Hrs	100 Nos

FEATURES

- Long Life • Eco Friendly • No Mercury • No UV • Elegant Look • High Colour Rendering
- Cameta Lens

CONSTRUCTION

- Extruded Aluminium housing with highly efficient PC lens
- LED fixing system is as per European Standard

APPLICATIONS

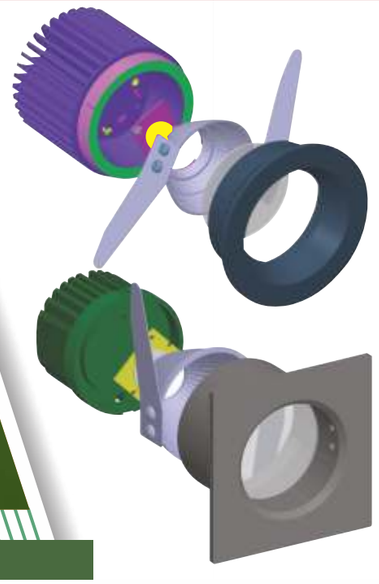
House Office Hospital Hotel Restaurant

Conforming Standards: LM- 80 & Photo Biological Test IEC62471

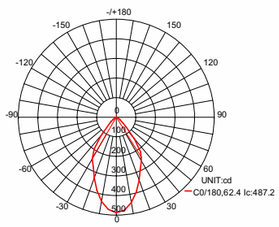
LIGHT UP THE WORLD

LED SPOT LIGHT (COB)

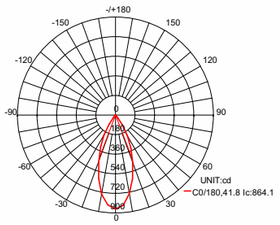
EXPLODED VIEW



LIGHT DISTRIBUTION



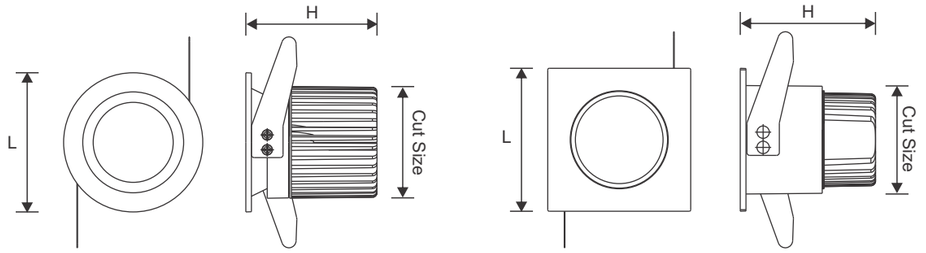
Round



Square

LED SPOT LIGHT (COB)

DIMENSIONAL DRAWING



ELECTRICAL/DIMENSIONS:

CAT. REF.	Rated Wattage	Working Voltage	Colour Temp.	Initial Lumens	THD	CRI	Power Factor	Dimensions (mm)			Life (Upto)	Packing
								L	H	Cut Size		
FLD026WCOBR30K	6W	100V-300V	3000K	420	<20%	>75	0.90	75	70	60	25,000 Hrs	20 Nos
FLD026WCOBR65K	6W	100V-300V	6500K	420	<20%	>75	0.90	75	70	60	25,000 Hrs	20 Nos
FLD026WCOBS30K	6W	100V-300V	3000K	420	<20%	>75	0.90	75	70	60	25,000 Hrs	20 Nos
FLD026WCOBS65K	6W	100V-300V	6500K	420	<20%	>75	0.90	75	70	60	25,000 Hrs	20 Nos

FEATURES

- Long Life • Eco Friendly • No Mercury • No UV • Elegant Look

CONSTRUCTION

- Thermoplastic housing
- LED fixing system is as per European Standard

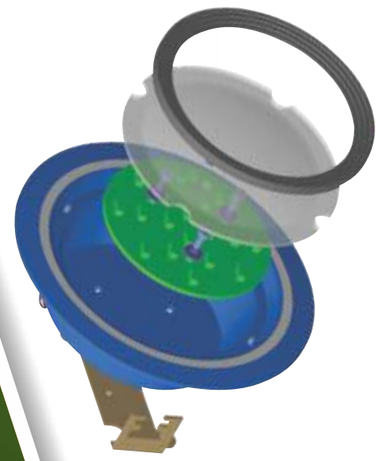
APPLICATIONS

Conforming Standards: LM- 80 & Photo Biological Test IEC62471

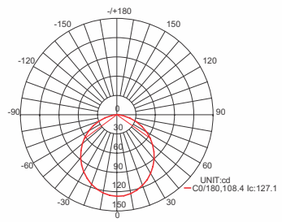
LIGHT UP THE WORLD

LED DOWN LIGHT RING SERIES (ROUND)

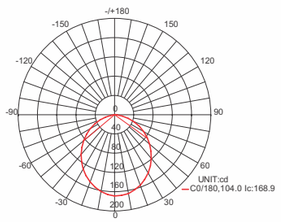
EXPLODED VIEW



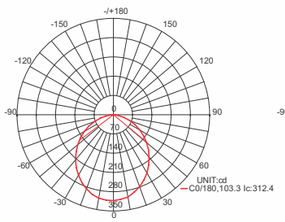
LIGHT DISTRIBUTION



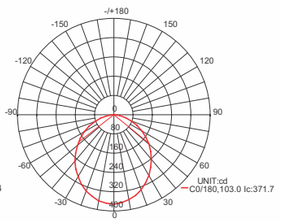
5W



7W



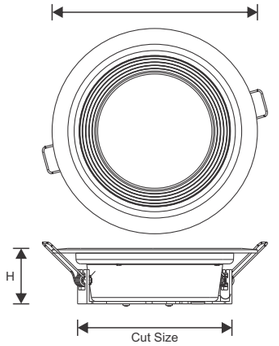
12W



15W

LED DOWN LIGHT RING SERIES (ROUND)

DIMENSIONAL DRAWING



ELECTRICAL/DIMENSIONS:

CAT. REF.	Size (inches)	Rated Wattage	Working Voltage	Colour Temp.	Initial Lumens	THD	CRI	Power Factor	Dimensions (mm)			Life (Upto)	Packing
									L	H	Cut Size		
FLH014X5W40K	4	5W	100V-300V	4000K	375	<20%	>80	0.90	125	40	90	25,000 Hrs	16 Nos
FLH014X5W65K	4	5W	100V-300V	6500K	375	<20%	>80	0.90	125	40	90	25,000 Hrs	16 Nos
FLH014X7W40K	4	7W	100V-300V	4000K	525	<20%	>80	0.90	125	40	90	25,000 Hrs	16 Nos
FLH014X7W65K	4	7W	100V-300V	6500K	525	<20%	>80	0.90	125	40	90	25,000 Hrs	16 Nos
FLH016X12W40K	6	12W	100V-300V	4000K	900	<20%	>80	0.90	188	40	140	25,000 Hrs	16 Nos
FLH016X12W65K	6	12W	100V-300V	6500K	900	<20%	>80	0.90	188	40	140	25,000 Hrs	16 Nos
FLH016X15W40K	6	15W	100V-300V	4000K	1125	<20%	>80	0.90	188	40	140	25,000 Hrs	16 Nos
FLH016X15W65K	6	15W	100V-300V	6500K	1125	<20%	>80	0.90	188	40	140	25,000 Hrs	16 Nos

FEATURES

- Long Life • Eco Friendly • No Mercury • No UV • Elegant Look

CONSTRUCTION

- Aluminium housing
- LED fixing system is as per European Standard

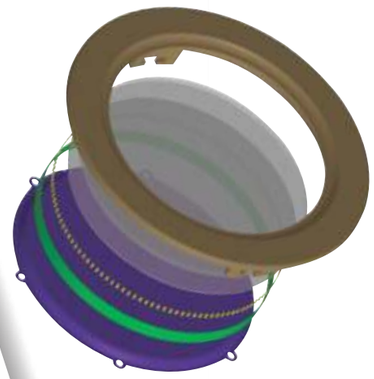
APPLICATIONS

Conforming Standards: LM- 80 & Photo Biological Test IEC62471

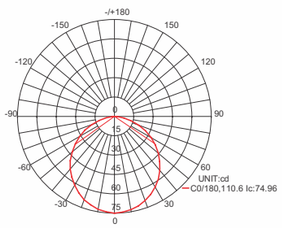
LIGHT UP THE WORLD

LED DOWN LIGHT SLIM SERIES (ROUND)

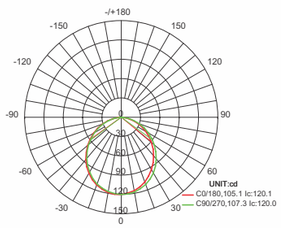
EXPLODED VIEW



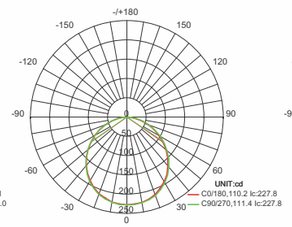
LIGHT DISTRIBUTION



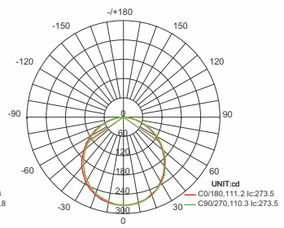
5W



7W



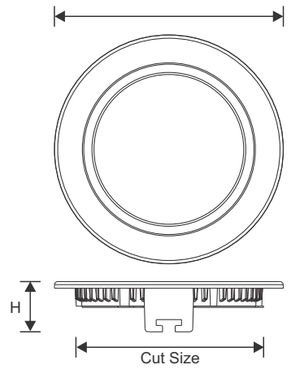
12W/15W



18W/22W

LED DOWN LIGHT SLIM SERIES (ROUND)

DIMENSIONAL DRAWING



ELECTRICAL/DIMENSIONS:

CAT. REF.	Size (inches)	Rated Wattage	Working Voltage	Colour Temp.	Initial Lumens	THD	CRI	Power Factor	Dimensions (mm)			Life (Upto)	Packing
										H	Cut Size		
FLH024X5W40K	4	5W	100V-300V	4000K	375	<20%	>80	0.90	150	25	115	25,000 Hrs	16 Nos
FLH024X5W65K	4	5W	100V-300V	6500K	375	<20%	>80	0.90	150	25	115	25,000 Hrs	16 Nos
FLH024X7W40K	4	7W	100V-300V	4000K	525	<20%	>80	0.90	150	25	115	25,000 Hrs	16 Nos
FLH024X7W65K	4	7W	100V-300V	6500K	525	<20%	>80	0.90	150	25	115	25,000 Hrs	16 Nos
FLH026X12W40K	6	12W	100V-300V	4000K	900	<20%	>80	0.90	190	25	158	25,000 Hrs	16 Nos
FLH026X12W65K	6	12W	100V-300V	6500K	900	<20%	>80	0.90	190	25	158	25,000 Hrs	16 Nos
FLH026X15W40K	6	15W	100V-300V	4000K	1125	<20%	>80	0.90	190	25	158	25,000 Hrs	16 Nos
FLH026X15W65K	6	15W	100V-300V	6500K	1125	<20%	>80	0.90	190	25	158	25,000 Hrs	16 Nos
FLH028X18W40K	8	18W	100V-300V	4000K	1350	<20%	>80	0.90	240	25	208	25,000 Hrs	12 Nos
FLH028X18W65K	8	18W	100V-300V	6500K	1350	<20%	>80	0.90	240	25	208	25,000 Hrs	12 Nos
FLH028X22W40K	8	22W	100V-300V	4000K	1650	<20%	>80	0.90	240	25	208	25,000 Hrs	12 Nos
FLH028X22W65K	8	22W	100V-300V	6500K	1650	<20%	>80	0.90	240	25	208	25,000 Hrs	12 Nos

FEATURES

- Long Life • Eco Friendly • No Mercury • No UV • Elegant Look

CONSTRUCTION

- Aluminium housing
- LED fixing system is as per European Standard

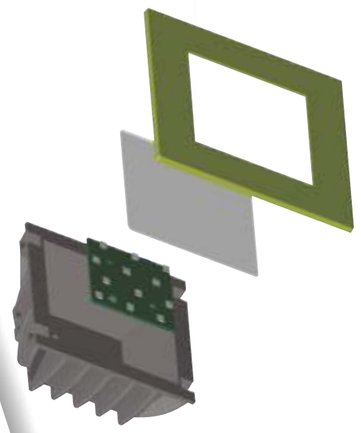
APPLICATIONS

Conforming Standards: LM- 80 & Photo Biological Test IEC62471

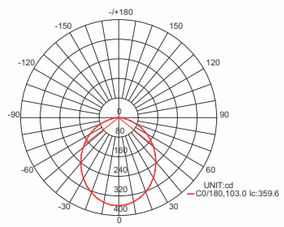
LIGHT UP THE WORLD

LED DOWN LIGHT FLAT SERIES (SQUARE)

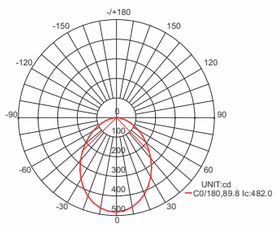
EXPLODED VIEW



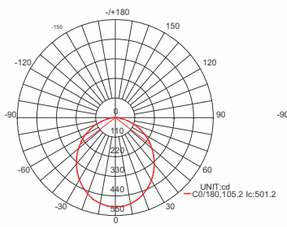
LIGHT DISTRIBUTION



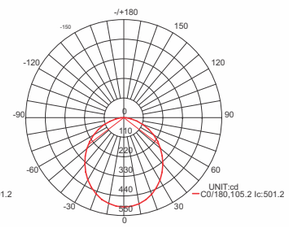
12W



15W

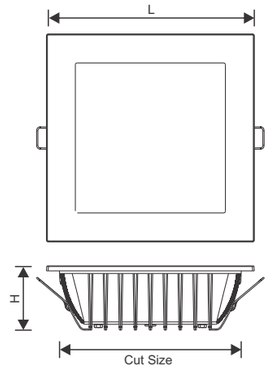


18W



22W

DIMENSIONAL DRAWING



ELECTRICAL/DIMENSIONS:

CAT. REF.	Size (inches)	Rated Wattage	Working Voltage	Colour Temp.	Initial Lumens	THD	CRI	Power Factor	Dimensions (mm)			Life (Upto)	Packing
									L	H	Cut Size		
FLI016X12W40K	6	12W	100V-300V	4000K	900	<20%	>80	0.90	160	50	140	25,000 Hrs	16 Nos
FLI016X12W65K	6	12W	100V-300V	6500K	900	<20%	>80	0.90	160	50	140	25,000 Hrs	16 Nos
FLI016X15W40K	6	15W	100V-300V	4000K	1125	<20%	>80	0.90	160	50	140	25,000 Hrs	16 Nos
FLI016X15W65K	6	15W	100V-300V	6500K	1125	<20%	>80	0.90	160	50	140	25,000 Hrs	16 Nos
FLI018X18W40K	8	18W	100V-300V	4000K	1350	<20%	>80	0.90	194	60	160	25,000 Hrs	12 Nos
FLI018X18W65K	8	18W	100V-300V	6500K	1350	<20%	>80	0.90	194	60	160	25,000 Hrs	12 Nos
FLI018X22W40K	8	22W	100V-300V	4000K	1650	<20%	>80	0.90	194	60	160	25,000 Hrs	12 Nos
FLI018X22W65K	8	22W	100V-300V	6500K	1650	<20%	>80	0.90	194	60	160	25,000 Hrs	12 Nos

FEATURES

- Long Life • Eco Friendly • No Mercury • No UV • Elegant Look

CONSTRUCTION

- Outer frame made out of engineering plastic material. Aesthetics plain front look and heat sink made out of pressure die cast aluminium (LM6) with white powder coating. Complete with LED and LED driver duly wired upto terminal block
- Diffuser: 2.0 to 2.5mm thick computerized designed highly reflective material with inbuilt state of art optical design which enhances light output
- LED fixing system is as per European Standard
- Finish: White powder coated

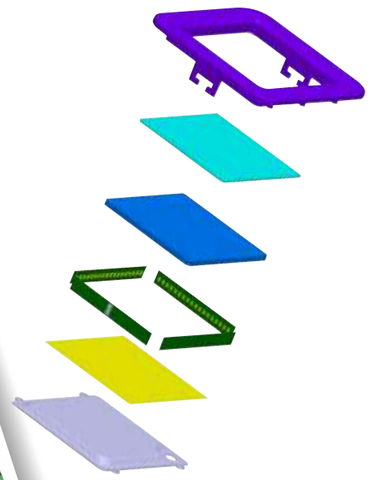
APPLICATIONS

Conforming Standards: LM- 80 & Photo Biological Test IEC62471

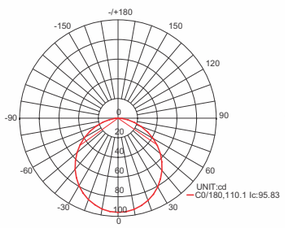
LIGHT UP THE WORLD

LED DOWN LIGHT SLIM SERIES (SQUARE)

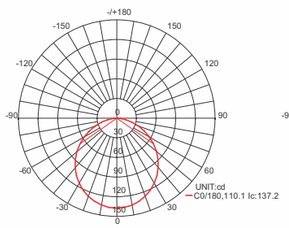
EXPLODED VIEW



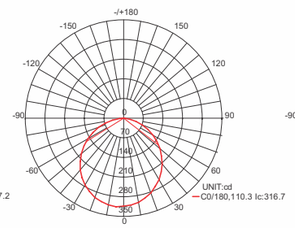
LIGHT DISTRIBUTION



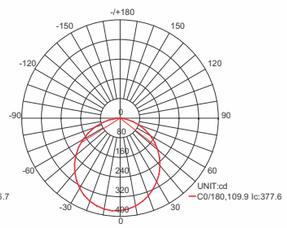
7W



7W



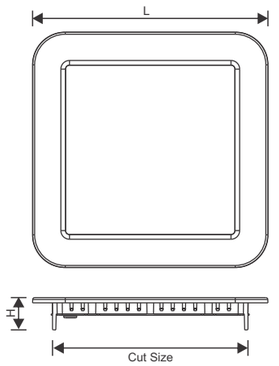
12W/15W



18W/22W

LED DOWN LIGHT SLIM SERIES (SQUARE)

DIMENSIONAL DRAWING



ELECTRICAL/DIMENSIONS:

CAT. REF.	Size (inches)	Rated Wattage	Working Voltage	Colour Temp.	Initial Lumens	THD	CRI	Power Factor	Dimensions (mm)			Life (Upto)	Packing
									L	H	Cut Size		
FLI024X5W40K	4	5W	100V-300V	4000K	375	<20%	>80	0.90	118	25	98	25,000 Hrs	16 Nos
FLI024X5W65K	4	5W	100V-300V	6500K	375	<20%	>80	0.90	118	25	98	25,000 Hrs	16 Nos
FLI024X7W40K	4	7W	100V-300V	4000K	525	<20%	>80	0.90	118	25	98	25,000 Hrs	16 Nos
FLI024X7W65K	4	7W	100V-300V	6500K	525	<20%	>80	0.90	118	25	98	25,000 Hrs	16 Nos
FLI026X12W40K	6	12W	100V-300V	4000K	900	<20%	>80	0.90	180	25	150	25,000 Hrs	16 Nos
FLI026X12W65K	6	12W	100V-300V	6500K	900	<20%	>80	0.90	180	25	150	25,000 Hrs	16 Nos
FLI026X15W40K	6	15W	100V-300V	4000K	1150	<20%	>80	0.90	180	25	150	25,000 Hrs	16 Nos
FLI026X15W65K	6	15W	100V-300V	6500K	1150	<20%	>80	0.90	180	25	150	25,000 Hrs	16 Nos
FLI028X18W40K	8	18W	100V-300V	4000K	1350	<20%	>80	0.90	228	25	210	25,000 Hrs	12 Nos
FLI028X18W65K	8	18W	100V-300V	6500K	1350	<20%	>80	0.90	228	25	210	25,000 Hrs	12 Nos
FLI028X22W40K	8	22W	100V-300V	4000K	1650	<20%	>80	0.90	228	25	210	25,000 Hrs	12 Nos
FLI028X22W65K	8	22W	100V-300V	6500K	1650	<20%	>80	0.90	228	25	210	25,000 Hrs	12 Nos

FEATURES

- Long Life • Eco Friendly • No Mercury • No UV • Elegant Look

CONSTRUCTION

- Aluminium housing
- LED fixing system is as per European Standard

APPLICATIONS

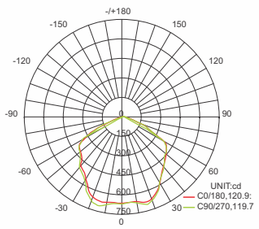
Conforming Standards: LM- 80 & Photo Biological Test IEC62471

LIGHT UP THE WORLD

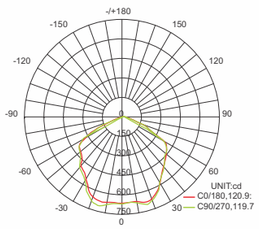
LED DOWN LIGHT ADJUSTABLE (COB)

EXPLODED VIEW

LIGHT DISTRIBUTION



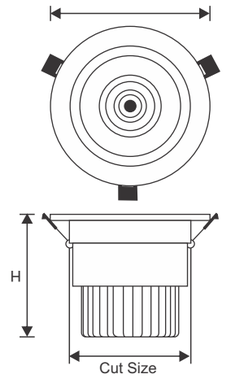
25W



35W

LED DOWN LIGHT ADJUSTABLE (COB)

DIMENSIONAL DRAWING



ELECTRICAL/DIMENSIONS:

CAT. REF.	Rated Wattage	Working Voltage	Colour Temp.	Initial Lumens	THD	CRI	Power Factor	Dimensions (mm)			Life (Upto)	Packing
									H	Cut Size		
FL00125W40K	25W	100V-300V	4000K	2250	<20%	>80	0.90	140	96	112	25,000 Hrs	12 Nos
FL00125W65K	25W	100V-300V	6500K	2250	<20%	>80	0.90	140	96	112	25,000 Hrs	12 Nos
FL00135W40K	35W	100V-300V	4000K	3150	<20%	>80	0.90	160	96	135	25,000 Hrs	12 Nos
FL00135W65K	35W	100V-300V	6500K	3150	<20%	>80	0.90	160	96	135	25,000 Hrs	12 Nos

FEATURES

- Long Life • Eco Friendly • No Mercury • No UV • Elegant Look

CONSTRUCTION

- Adjustable aluminium die cast frame housing complete with PC reflector moulding.
- Clear float glass lens.
- Chip on board.
- LED fixing system is as per European Standard.
- Finish: White powder coated.

APPLICATIONS

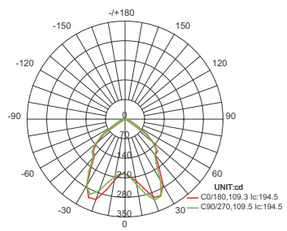
Conforming Standards: LM- 80 & Photo Biological Test IEC62471

LIGHT UP THE WORLD

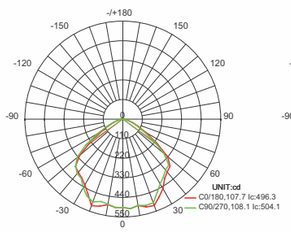
LED DOWN LIGHT STEP (COB)

EXPLODED VIEW

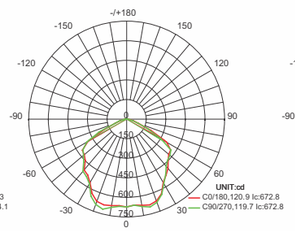
LIGHT DISTRIBUTION



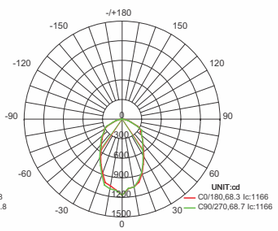
10W



15W



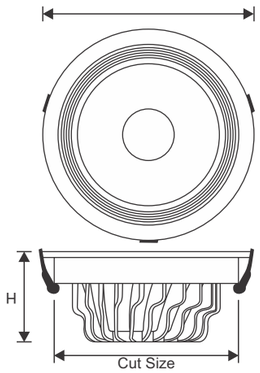
20W



30W

LED DOWN LIGHT STEP (COB)

DIMENSIONAL DRAWING



ELECTRICAL/DIMENSIONS:

CAT. REF.	Rated Wattage	Working Voltage	Colour Temp.	Initial Lumens	THD	CRI	Power Factor	Dimensions (mm)			Life (Upto)	Packing
									H	Cut Size		
FL00210W30K	10W	100V-300V	3000K	900	<20%	>80	0.90	120	85	92	25,000 Hrs	12 Nos
FL00210W65K	10W	100V-300V	6500K	900	<20%	>80	0.90	120	85	92	25,000 Hrs	12 Nos
FL00215W30K	15W	100V-300V	3000K	1350	<20%	>80	0.90	120	85	92	25,000 Hrs	12 Nos
FL00215W65K	15W	100V-300V	6500K	1350	<20%	>80	0.90	120	85	92	25,000 Hrs	12 Nos
FL00220W30K	20W	100V-300V	3000K	1800	<20%	>80	0.90	200	83	180	25,000 Hrs	12 Nos
FL00220W65K	20W	100V-300V	6500K	1800	<20%	>80	0.90	200	83	180	25,000 Hrs	12 Nos
FL00230W30K	30W	100V-300V	3000K	2700	<20%	>80	0.90	225	96	200	25,000 Hrs	12 Nos
FL00230W65K	30W	100V-300V	6500K	2700	<20%	>80	0.90	225	96	200	25,000 Hrs	12 Nos

FEATURES

- Long Life • Eco Friendly • No Mercury • No UV • Elegant Look

CONSTRUCTION

- Aluminium die cast frame housing complete with PC reflector moulding.
- Clear float glass lens.
- Chip on board.
- LED fixing system is as per European Standard.
- Finish: White powder coated.

APPLICATIONS

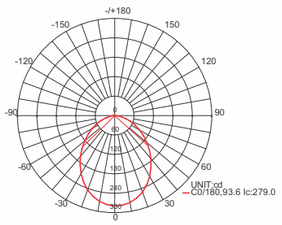
Conforming Standards: LM- 80 & Photo Biological Test IEC62471

LIGHT UP THE WORLD

LED DOWN LIGHT SURFACE SERIES (ROUND)

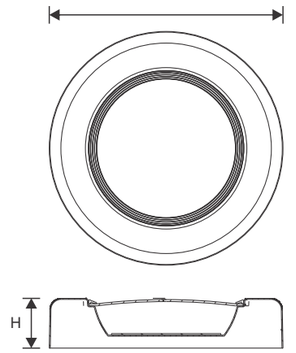
EXPLODED VIEW

LIGHT DISTRIBUTION



LED DOWN LIGHT SURFACE SERIES (ROUND)

DIMENSIONAL DRAWING



ELECTRICAL/DIMENSIONS:

CAT. REF.	Size (inches)	Rated Wattage	Working Voltage	Colour Temp.	Initial Lumens	THD	CRI	Power Factor	Dimensions (mm)		Life (Upto)	Packing
										H		
FLJ018X15W40K	8	15W	100V-300V	4000K	1350	<20%	>80	0.90	230	55	25,000 Hrs	12 Nos
FLJ018X15W65K	8	15W	100V-300V	6500K	1350	<20%	>80	0.90	230	55	25,000 Hrs	12 Nos

FEATURES

- Long Life • Eco Friendly • No Mercury • No UV • Elegant Look
- Protection: IP40

CONSTRUCTION

- Outer body made out of spun aluminium sheet and front ring made out of spun M.S. steel sheet. Complete with LED and LED Driver duly wired upto terminal block.
- Diffuser : 2.0 to 2.5 mm thick computerized designed highly reflective material with inbuilt state of art optical design which enhances light output.
- LED fixing system is as per European Standard.
- Finish: White powder coated.

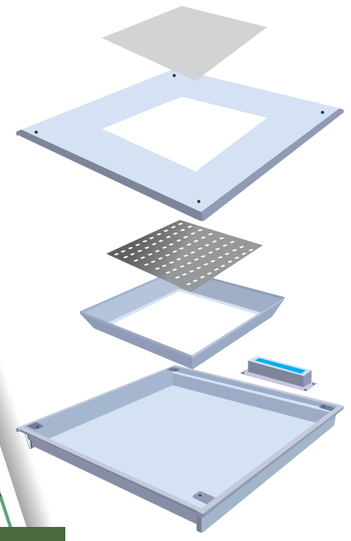
APPLICATIONS

Conforming Standards: LM- 80 & Photo Biological Test IEC62471

LIGHT UP THE WORLD

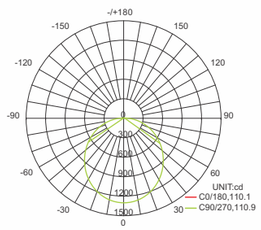
LED PANEL LIGHT BOX SERIES

EXPLODED VIEW

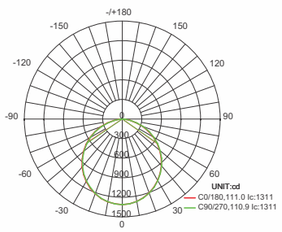


Diffused Series | Sparkle Series | Prismatic Series

LIGHT DISTRIBUTION



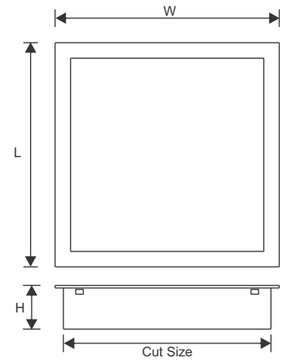
25W



45W

LED PANEL LIGHT BOX SERIES

DIMENSIONAL DRAWING



ELECTRICAL/DIMENSIONS:

CAT. REF.	Rated Wattage	Working Voltage	Colour Temp.	Initial Lumens	THD	CRI	Power Factor	Dimensions (mm)				Life (Upto)	Packing
								L	W	H	Cut Size		
FLK012X245WS40K	45W	100V-300V	4000K	3600	<15%	>80	0.90	592	592	60	580	25,000 Hrs	2 Nos.
FLK012X245WS65K	45W	100V-300V	6500K	3600	<15%	>80	0.90	592	592	60	580	25,000 Hrs	2 Nos.
FLK012X245WP40K	45W	100V-300V	4000K	3600	<15%	>80	0.90	592	592	60	580	25,000 Hrs	2 Nos.
FLK012X245WP65K	45W	100V-300V	6500K	3600	<15%	>80	0.90	592	592	60	580	25,000 Hrs	2 Nos.
FLK012X245WD40K	45W	100V-300V	4000K	3600	<15%	>80	0.90	592	592	60	580	25,000 Hrs	2 Nos.
FLK012X245WD65K	45W	100V-300V	6500K	3600	<15%	>80	0.90	592	592	60	580	25,000 Hrs	2 Nos.
FLK012X225WD40K	25W	100V-300V	4000K	2000	<15%	>80	0.90	592	592	60	580	25,000 Hrs	2 Nos.
FLK012X225WD65K	25W	100V-300V	6500K	2000	<15%	>80	0.90	592	592	60	580	25,000 Hrs	2 Nos.
FLK012X225WB40K	25W	100V-300V	4000K	2000	<15%	>80	0.90	592	592	60	580	25,000 Hrs	2 Nos.
FLK012X225WB65K	25W	100V-300V	6500K	2000	<15%	>80	0.90	592	592	60	580	25,000 Hrs	2 Nos.
FLK012X225WP40K	25W	100V-300V	4000K	2000	<15%	>80	0.90	592	592	60	580	25,000 Hrs	2 Nos.
FLK012X225WP65K	25W	100V-300V	6500K	2000	<15%	>80	0.90	592	592	60	580	25,000 Hrs	2 Nos.
FLK011X125WS40K	25W	100V-300V	4000K	2000	<15%	>80	0.90	291	291	61	274	25,000 Hrs	8 Nos.
FLK011X125WS65K	25W	100V-300V	6500K	2000	<15%	>80	0.90	291	291	61	274	25,000 Hrs	8 Nos.
FLK011X125WP40K	25W	100V-300V	4000K	2000	<15%	>80	0.90	291	291	61	274	25,000 Hrs	8 Nos.
FLK011X125WP65K	25W	100V-300V	6500K	2000	<15%	>80	0.90	291	291	61	274	25,000 Hrs	8 Nos.
FLK011X125WD40K	25W	100V-300V	4000K	2000	<15%	>80	0.90	291	291	61	274	25,000 Hrs	8 Nos.
FLK011X125WD65K	25W	100V-300V	6500K	2000	<15%	>80	0.90	291	291	61	274	25,000 Hrs	8 Nos.

FEATURES

- Long Life • Eco Friendly • No Mercury • No UV • Elegant Look

CONSTRUCTION

- CRCA sheet housing complete with LED and LED Driver duly wired upto terminal block for 2x2 panel
- Outer frame made out of engineering plastic material for 1x1 panel
- Diffuser: 2.0 to 2.5mm thick computerized designed diffuser which gives an appealing design and enhances light output
- LED fixing system is as per European Standard
- Finish: White powder coated

APPLICATIONS

House | Office | Hospital | Hotel | Restaurant

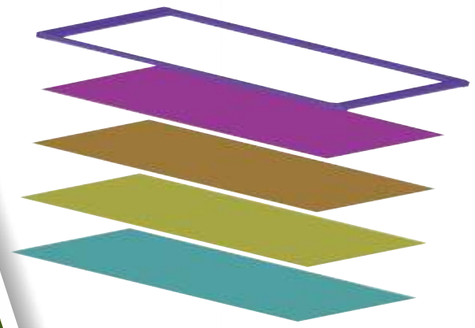
LM-80 | INDOOR | HARMLESS FOR EYES | ECO-FRIENDLY

Conforming Standards: LM- 79-80 & Photo Biological Test IEC62471

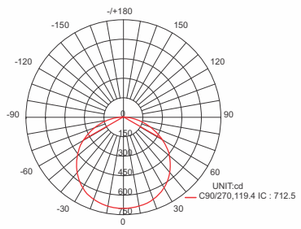
LIGHT UP THE WORLD

LED PANEL LIGHT SLIM SERIES (SURFACE)

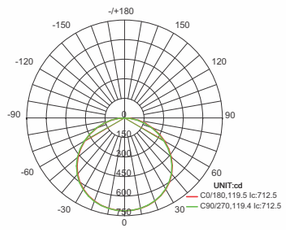
EXPLODED VIEW



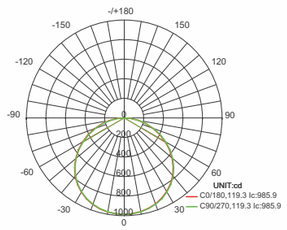
LIGHT DISTRIBUTION



25W



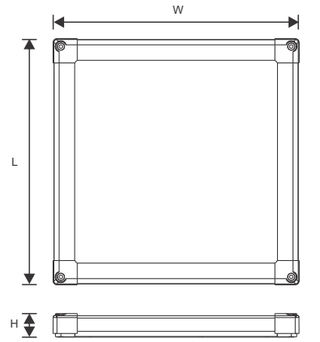
36W



45W

LED PANEL LIGHT SLIM SERIES (SURFACE)

DIMENSIONAL DRAWING



ELECTRICAL/DIMENSIONS:

CAT. REF.	Rated Wattage	Working Voltage	Colour Temp.	Initial Lumens	THD	CRI	Power Factor	Dimensions (mm)			Life (Upto)	Packing
								L	W	H		
FLK022X236W40K	36W	230V	4000K	2700	<15%	>80	0.90	610	610	12	25,000 Hrs	4 Nos
FLK022X236W65K	36W	230V	6500K	2700	<15%	>80	0.90	610	610	12	25,000 Hrs	4 Nos
FLK022X245W40K	45W	230V	4000K	3300	<15%	>80	0.90	610	610	12	25,000 Hrs	4 Nos
FLK022X245W65K	45W	230V	6500K	3300	<15%	>80	0.90	610	610	12	25,000 Hrs	4 Nos
FLK021X125W40K	25W	230V	4000K	1900	<15%	>80	0.90	310	310	12	25,000 Hrs	5 Nos
FLK021X125W65K	25W	230V	6500K	1900	<15%	>80	0.90	310	310	12	25,000 Hrs	5 Nos

FEATURES

- Long Life • Eco Friendly • No Mercury • No UV • Elegant Look

CONSTRUCTION

- Extruded aluminium frame housing complete with PC diffuser, side embedded LED's and LED driver duly wired up to terminal PCB
- 3mm thick latest technology light guide & designed thin diffuser and reflectors which gives an appealing 'smooth, diffused & comfort cool' light
- LED fixing system is as per European Standard.
- Finish: White powder coated.

APPLICATIONS

LM-80 · INDOOR · HARMLESS FOR EYES · ECO-FRIENDLY

Conforming Standards: LM- 79-80 & Photo Biological Test IEC62471

Fiem
LIGHT UP THE WORLD

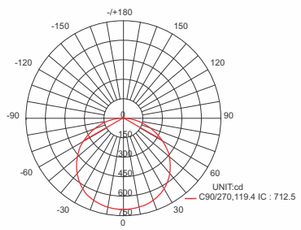
LED PANEL LIGHT SLIM SERIES (ARMSTRONG)

EXPLODED VIEW

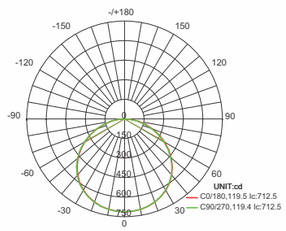
Rectangle

Square

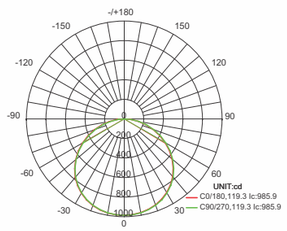
LIGHT DISTRIBUTION



25W

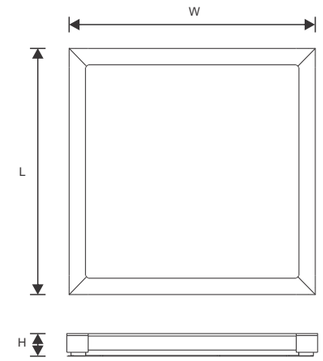


36W



45W

DIMENSIONAL DRAWING



ELECTRICAL/DIMENSIONS:

CAT. REF.	Rated Wattage	Working Voltage	Colour Temp.	Initial Lumens	THD	CRI	Power Factor	Dimensions (mm)			Life (Upto)	Packing
								L	W	H		
FLK032X236W40K	36W	100V-300V	4000K	2700	<15%	>80	0.90	600	600	12	25,000 Hrs	4 Nos
FLK032X236W65K	36W	100V-300V	6500K	2700	<15%	>80	0.90	600	600	12	25,000 Hrs	4 Nos
FLK032X245W40K	45W	100V-300V	4000K	3300	<15%	>80	0.90	600	600	12	25,000 Hrs	4 Nos
FLK032X245W65K	45W	100V-300V	6500K	3300	<15%	>80	0.90	600	600	12	25,000 Hrs	4 Nos
FLK031X125W40K	25W	100V-300V	4000K	1900	<15%	>80	0.90	300	300	12	25,000 Hrs	5 Nos
FLK031X125W65K	25W	100V-300V	6500K	1900	<15%	>80	0.90	300	300	12	25,000 Hrs	5 Nos
FLK031X445W40K	45W	100V-300V	4000K	3300	<15%	>80	0.90	1200	300	12	25,000 Hrs	4 Nos
FLK031X445W65K	45W	100V-300V	6500K	3300	<15%	>80	0.90	1200	300	12	25,000 Hrs	4 Nos

FEATURES

- Long Life • Eco Friendly • No Mercury • No UV • Elegant Look

CONSTRUCTION

- Extruded aluminium frame housing complete with PC diffuser, side embedded LED's and LED driver duly wired up to terminal PCB
- 3mm thick latest technology light guide & designed thin diffuser and reflectors which gives an appealing 'smooth, diffused & comfort cool' light
- LED fixing system is as per European Standard.
- Finish: White powder coated.

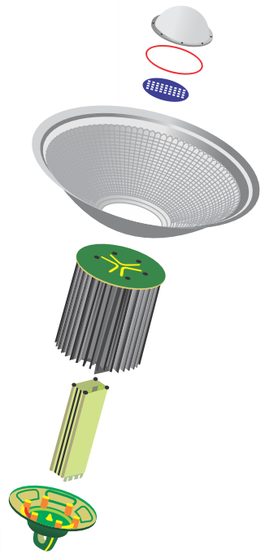
APPLICATIONS

Conforming Standards: LM- 79-80 & Photo Biological Test IEC62471

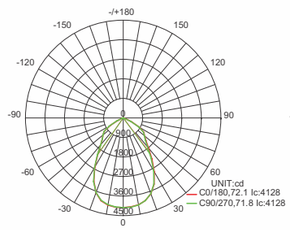
LIGHT UP THE WORLD

LED HI-BAY LIGHT

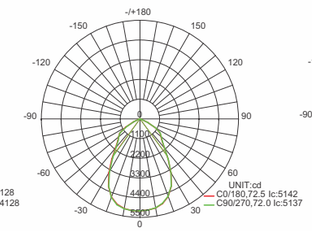
EXPLODED VIEW



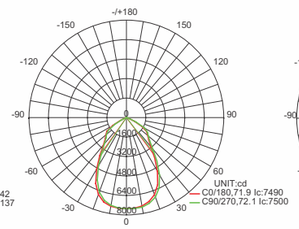
LIGHT DISTRIBUTION



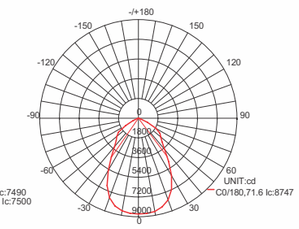
70W



90W



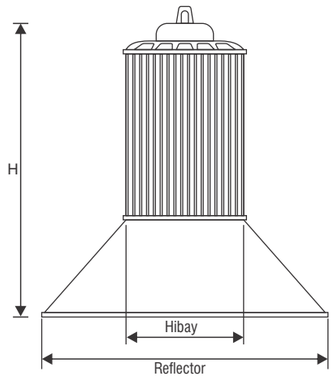
120W



150W

LED HI-BAY LIGHT

DIMENSIONAL DRAWING



ELECTRICAL/DIMENSIONS:

CAT. REF.	Rated Wattage	Working Voltage	Colour Temp.	Initial Lumens	THD	CRI	Power Factor	Dimensions (mm)			Life (Upto)	Packing
								H	Hi-bay	Reflector		
FLL0170W30K	70W	100V-300V	3000K	6300	<10%	>70	0.95	225	270	510	25,000 Hrs	1 No
FLL0170W65K	70W	100V-300V	6500K	6300	<10%	>70	0.95	225	270	510	25,000 Hrs	1 No
FLL0190W30K	90W	100V-300V	3000K	8100	<10%	>70	0.95	225	270	510	25,000 Hrs	1 No
FLL0190W65K	90W	100V-300V	6500K	8100	<10%	>70	0.95	225	270	510	25,000 Hrs	1 No
FLL01120W30K	120W	100V-300V	3000K	10800	<10%	>70	0.95	225	270	510	25,000 Hrs	1 No
FLL01120W65K	120W	100V-300V	6500K	10800	<10%	>70	0.95	225	270	510	25,000 Hrs	1 No
FLL01150W30K	150W	100V-300V	3000K	13500	<10%	>70	0.95	225	300	510	25,000 Hrs	1 No
FLL01150W65K	150W	100V-300V	6500K	13500	<10%	>70	0.95	225	300	510	25,000 Hrs	1 No

FEATURES

- Suitable for 9-15 mtr height
- Instant start, suitable for frequent switching places
- No glare or flicker, reduce visual fatigue, No maintenance
- Beam Angle : 130 degree
- Environmentally safe
- Heat dissipation technology design
- Protection: IP54

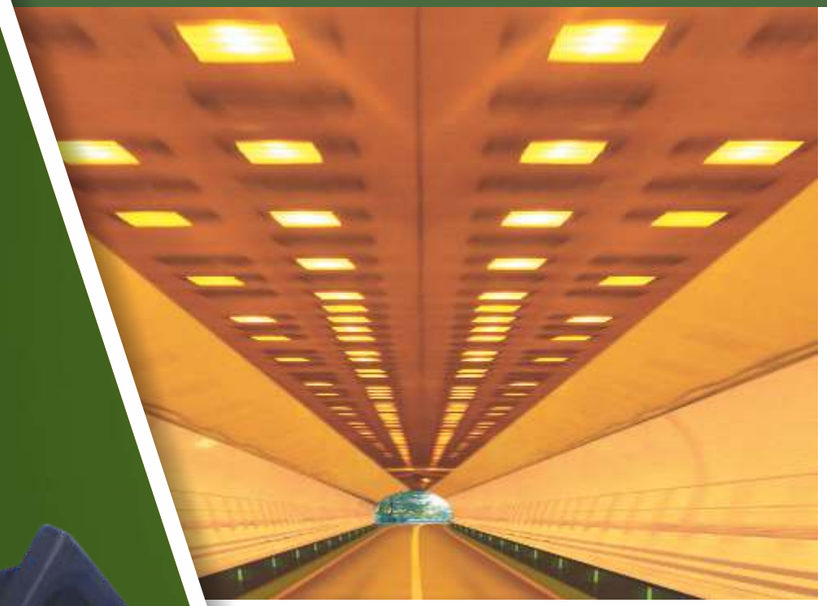
APPLICATIONS

LM-80 · INDOOR · HARMLESS FOR EYES · ECO-FRIENDLY

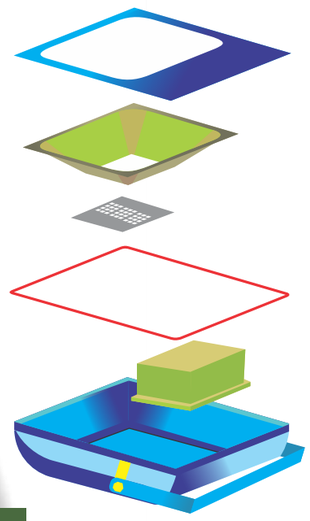
Conforming Standards: LM- 80 & Photo Biological Test IEC62471

LIGHT UP THE WORLD

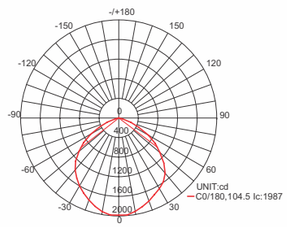
LED FLOOD LIGHT



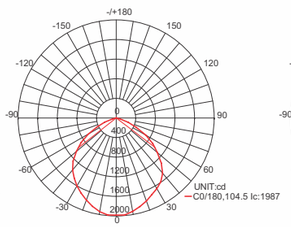
EXPLODED VIEW



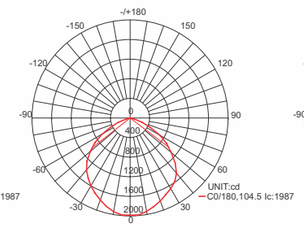
LIGHT DISTRIBUTION



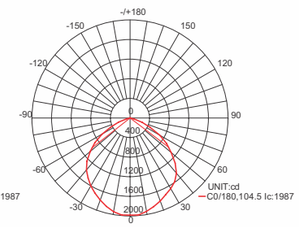
20W/50W



70W/90W

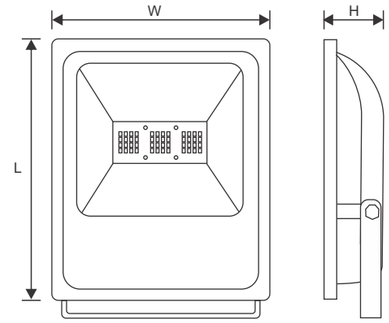


120W



150W

DIMENSIONAL DRAWING



ELECTRICAL/DIMENSIONS:

CAT. REF.	Rated Wattage	Working Voltage	Colour Temp.	Initial Lumens	THD	CRI	Power Factor	Dimensions (mm)			Life (Upto)	Packing
								L	W	H		
FLM0120W30K	20W	100V-300V	3000K	1800	<10%	>70	0.95	225	185	50	50,000 Hrs	1 No
FLM0120W65K	20W	100V-300V	6500K	1800	<10%	>70	0.95	225	185	50	50,000 Hrs	1 No
FLM0150W30K	50W	100V-300V	3000K	4500	<10%	>70	0.95	275	230	90	50,000 Hrs	1 No
FLM0150W65K	50W	100V-300V	6500K	4500	<10%	>70	0.95	275	230	90	50,000 Hrs	1 No
FLM0150W30K-H	50W	100V-300V	3000K	5000	<10%	>70	0.95	275	230	90	50,000 Hrs	1 No
FLM0150W65K-H	50W	100V-300V	6500K	5000	<10%	>70	0.95	275	230	90	50,000 Hrs	1 No
FLM0170W30K	70W	100V-300V	3000K	6300	<10%	>70	0.95	275	230	90	50,000 Hrs	1 No
FLM0170W65K	70W	100V-300V	6500K	6300	<10%	>70	0.95	275	230	90	50,000 Hrs	1 No
FLM0190W30K	90W	100V-300V	3000K	8100	<10%	>70	0.95	345	295	90	50,000 Hrs	1 No
FLM0190W65K	90W	100V-300V	6500K	8100	<10%	>70	0.95	345	295	90	50,000 Hrs	1 No
FLM01120W30K	120W	100V-300V	3000K	10800	<10%	>70	0.95	315	330	95	50,000 Hrs	1 No
FLM01120W65K	120W	100V-300V	6500K	10800	<10%	>70	0.95	315	330	95	50,000 Hrs	1 No
FLM01150W30K	150W	100V-300V	3000K	13500	<10%	>70	0.95	315	330	95	50,000 Hrs	1 No
FLM01150W65K	150W	100V-300V	6500K	13500	<10%	>70	0.95	315	330	95	50,000 Hrs	1 No

*Higher lumen products are available based on customer requirements.

FEATURES

- Wide Beam Angle 120 degree • No Glare, no flash • Superior Aesthetics
- No maintenance • Eco Friendly, No UV, No Mercury • Over load protection, short circuit protection and protection against lighting strike
- Constant current drive, low current fluctuation, high efficient and long life span
- Protection: IP65

CONSTRUCTION

- Housing: made out of Aluminium Alloy
- LED fixing system is as per European Standard
- SMPS Based LED Driver: CCCV type with over load and short circuit protection

APPLICATIONS

Industry

Railway Sheds

Hotels

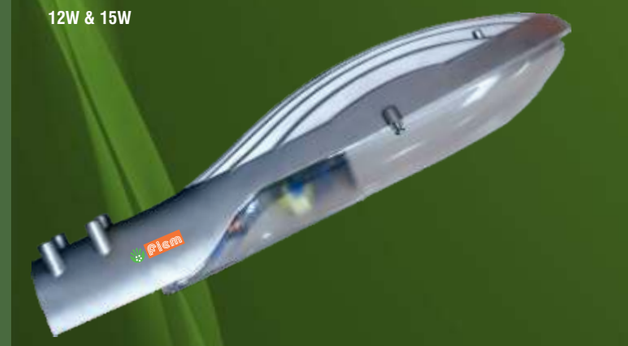
Warehouse

Conforming Standards: LM- 80 & Photo Biological Test IEC62471

LIGHT UP THE WORLD

LED STREET LIGHT (SOLAR)

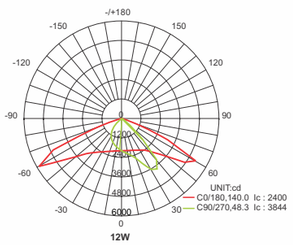
12W & 15W



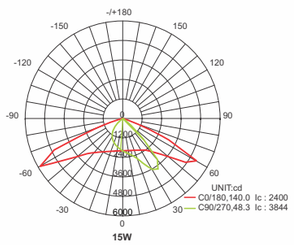
20W

EXPLODED VIEW

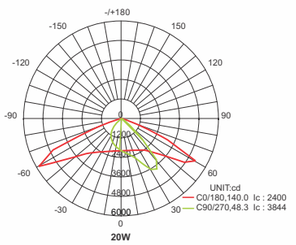
LIGHT DISTRIBUTION



12W



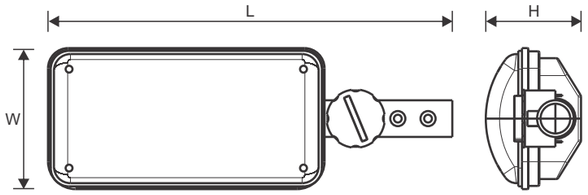
15W



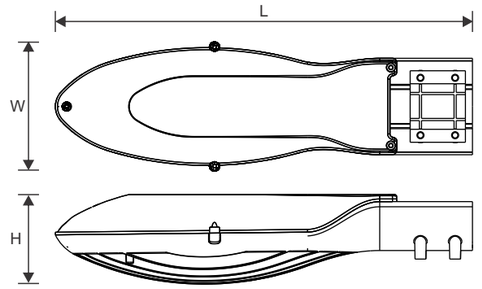
20W

LED STREET LIGHT (SOLAR)

DIMENSIONAL DRAWING



12W & 15W



20W

ELECTRICAL/DIMENSIONS:

CAT. REF.	Rated Wattage	Working Voltage (dc)	Colour Temp.	Initial Lumens	CRI	Dimensions (mm)			Life (Upto)	Packing
						L	W	H		
FLN0112W30K	12W	10V-14.5V	3000K	1140	>70	440	155	115	50,000 Hrs	1 No.
FLN0112W65K	12W	10V-14.5V	6500K	1140	>70	440	155	115	50,000 Hrs	1 No.
LN0115W30K	15W	10V-14.5V	3000K	1425	>70	440	155	115	50,000 Hrs	1 No.
FLN0115W65K	15W	10V-14.5V	6500K	1425	>70	440	155	115	50,000 Hrs	1 No.
FLN0120W30K	20W	10V-14.5V	3000K	1900	>70	385	120	83	50,000 Hrs	1 No.
FLN0120W65K	20W	10V-14.5V	6500K	1900	>70	385	120	83	50,000 Hrs	1 No.

*Higher lumen products are available based on customer requirements.

FEATURES

- Eco-Friendly • No Mercury • No UV • Suitable for 3-5 mtr pole • Superior Aesthetics
- Dusk to dawn operation • No maintenance • Input voltage range 12V DC
- Healthy battery/Deep discharge/Charging, PV on indication lamp
- Protection: IP65

APPLICATIONS

Industry | Railway Crossing | Hotels | Warehouse

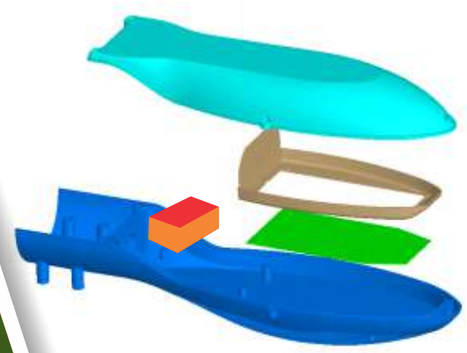
LM-80 | OUTDOOR | HARMLESS FOR EYES | ECO-FRIENDLY

Conforming Standards: • LM- 80 & Photo Biological Test IEC62471 • MNRE Specifications

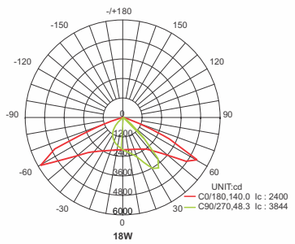
LIGHT UP THE WORLD

LED STREET LIGHT (ECO)

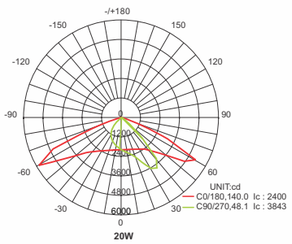
EXPLODED VIEW



LIGHT DISTRIBUTION



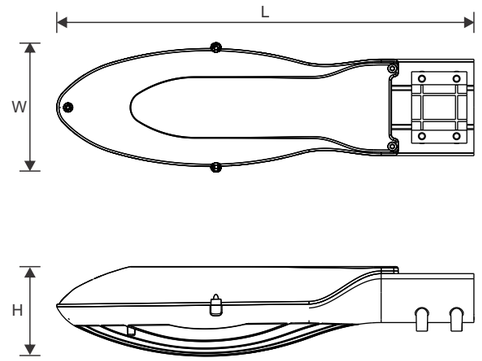
18W



20W

LED STREET LIGHT (ECO)

DIMENSIONAL DRAWING



ELECTRICAL/DIMENSIONS:

CAT. REF.	Rated Wattage	Working Voltage	Colour Temp.	Initial Lumens	THD	CRI	Power Factor	Dimensions (mm)			Life (Upto)	Packing
								L	W	H		
FLN0218W30K	18W	100V-300V	3000K	1620	<10%	>70	0.95	385	120	83	50,000 Hrs	1 No
FLN0218W65K	18W	100V-300V	6500K	1620	<10%	>70	0.95	385	120	83	50,000 Hrs	1 No
FLN0220W30K	20W	100V-300V	3000K	1800	<10%	>70	0.95	385	120	83	50,000 Hrs	1 No
FLN0220W65K	20W	100V-300V	6500K	1800	<10%	>70	0.95	385	120	83	50,000 Hrs	1 No
FLN0224W30K	24W	100V-300V	3000K	2160	<10%	>70	0.95	385	120	83	50,000 Hrs	1 No
FLN0224W65K	24W	100V-300V	6500K	2160	<10%	>70	0.95	385	120	83	50,000 Hrs	1 No

*Higher lumen products are available based on customer requirements.

FEATURES

- No Glare, no flash • Superior Aesthetics • No maintenance • Eco Friendly, No UV, No Mercury • Luminous Efficiency >90LM/W • Beam Angle : 130 degree • Over load protection, short circuit protection and protection against lighting strike • Constant current drive, low current fluctuation, high efficient and long life span • Efficient light distribution, perfectly show the luminance and brightness for Roadways as per guidelines • Qualify the most stringent salt spray test; the highest body protection level is up to grade 10
- Protection: IP65

CONSTRUCTION

- Housing: Made out of High Pressure Die Cast aluminium Material with PC lenses.
- LED fixing system is as per European Standard.
- SMPS Based LED Driver : CCCV type with over load and short circuit protection.

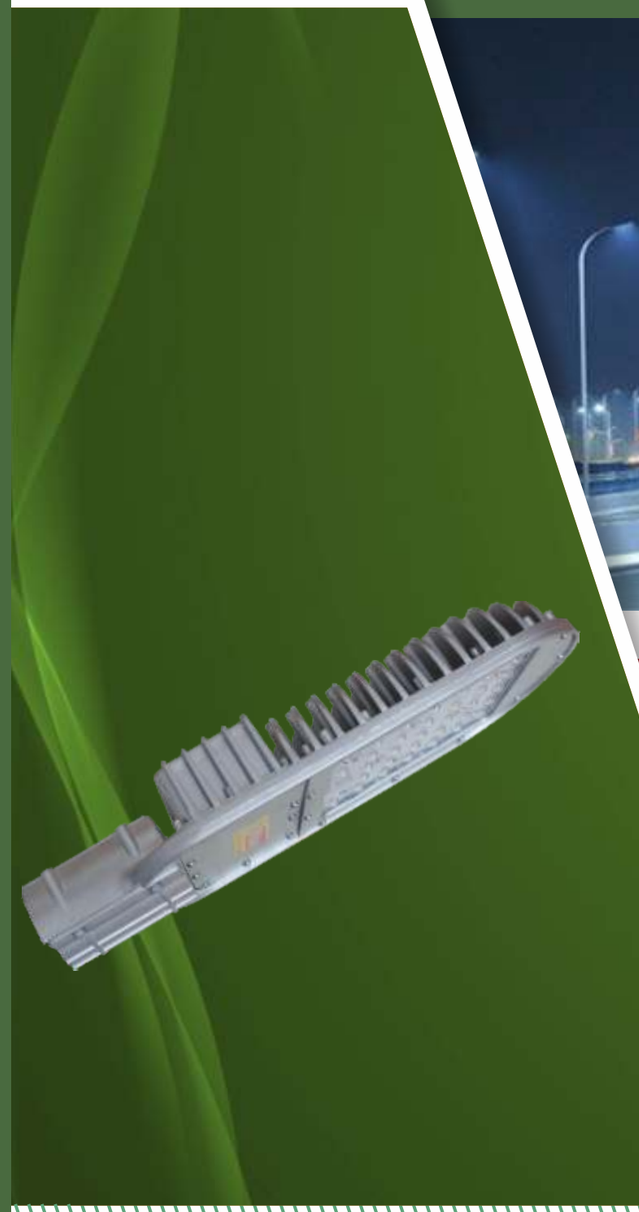
APPLICATIONS

Residential Colony | Highways | Warehouse

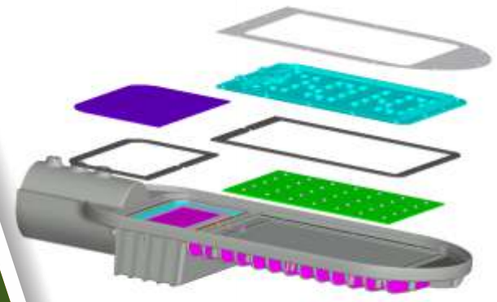
Conforming Standards: • LM- 80 & Photo Biological Test IEC62471

LIGHT UP THE WORLD

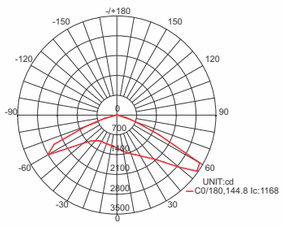
LED STREET LIGHT



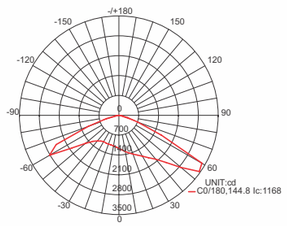
EXPLODED VIEW



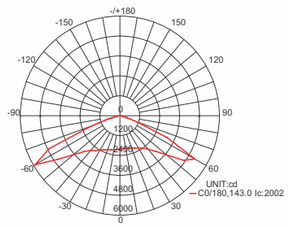
LIGHT DISTRIBUTION



40W



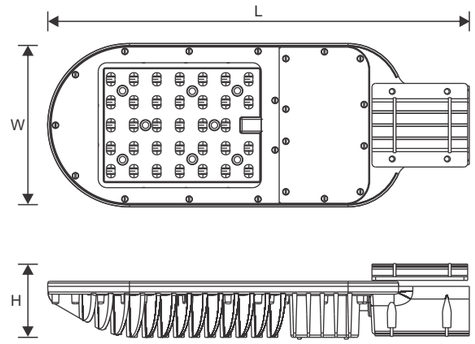
45W



72W

LED STREET LIGHT

DIMENSIONAL DRAWING



ELECTRICAL/DIMENSIONS:

CAT. REF.	Rated Wattage	Working Voltage	Colour Temp.	Initial Lumens	THD	CRI	Power Factor	Dimensions (mm)			Life (Upto)	Packing
								L	W	H		
FLN0340W30K	40W	100V-300V	3000K	4000	<10%	>70	0.95	459	178	83	50,000 Hrs	1 No
FLN0340W65K	40W	100V-300V	6500K	4000	<10%	>70	0.95	459	178	83	50,000 Hrs	1 No
FLN0345W30K	45W	100V-300V	3000K	4050	<10%	>70	0.95	459	178	83	50,000 Hrs	1 No
FLN0345W65K	45W	100V-300V	6500K	4050	<10%	>70	0.95	459	178	83	50,000 Hrs	1 No
FLN0372W30K	72W	100V-300V	3000K	6480	<10%	>70	0.95	459	178	83	50,000 Hrs	1 No
FLN0372W65K	72W	100V-300V	6500K	6480	<10%	>70	0.95	459	178	83	50,000 Hrs	1 No

FEATURES

- No Glare, no flash • Superior Aesthetics • No maintenance • Eco Friendly, No UV, No Mercury • Luminous Efficiency >90LM/W • Beam Angle : 130 degree
- Over load protection, short circuit protection and protection against lighting strike
- Constant current drive, low current fluctuation, high efficient and long life span
- Efficient light distribution, perfectly show the luminance and brightness for Roadways as per guidelines
- Qualify the most stringent salt spray test; the highest body protection level is up to grade 10
- Protection: IP65/66

APPLICATIONS

Residential Colony

Highways

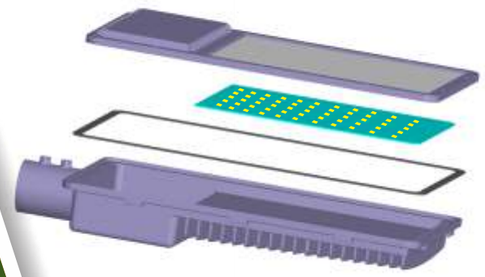
Warehouse

Conforming Standards: • LM- 80 & Photo Biological Test IEC62471

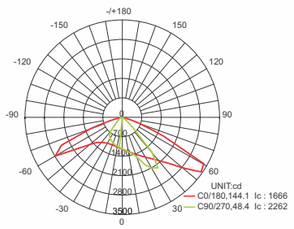
LIGHT UP THE WORLD

LED STREET LIGHT

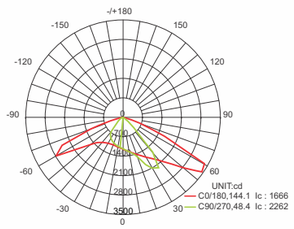
EXPLODED VIEW



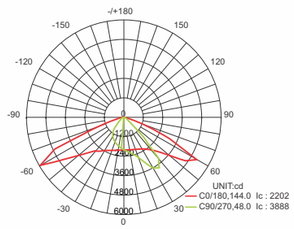
LIGHT DISTRIBUTION



90W



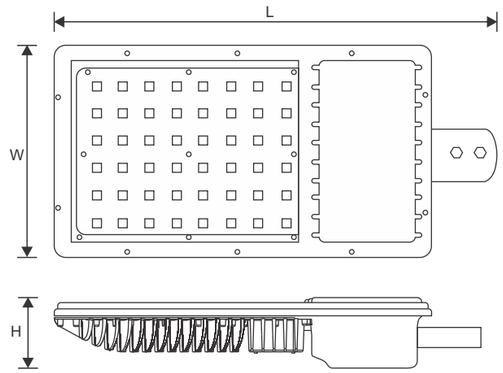
120W



150W

LED STREET LIGHT

DIMENSIONAL DRAWING



ELECTRICAL/DIMENSIONS:

CAT. REF.	Rated Wattage	Working Voltage	Colour Temp.	Initial Lumens	THD	CRI	Power Factor	Dimensions (mm)			Life (Upto)	Packing
								L	W	H		
FLN0390W30K	90W	100V-300V	3000K	8100	<10%	>70	0.95	629	270	83	50,000 Hrs	1 No
FLN0390W65K	90W	100V-300V	6500K	8100	<10%	>70	0.95	629	270	83	50,000 Hrs	1 No
FLN03120W30K	120W	100V-300V	3000K	10800	<10%	>70	0.95	629	270	83	50,000 Hrs	1 No
FLN03120W65K	120W	100V-300V	6500K	10800	<10%	>70	0.95	629	270	83	50,000 Hrs	1 No
FLN03150W30K	150W	100V-300V	3000K	13500	<10%	>70	0.95	629	270	83	50,000 Hrs	1 No
FLN03150W65K	150W	100V-300V	6500K	13500	<10%	>70	0.95	629	270	83	50,000 Hrs	1 No

FEATURES

- No Glare, no flash • Superior Aesthetics • No maintenance • Eco Friendly, No UV, No Mercury • Luminous Efficiency >90LM/W • Beam Angle : 130 degree
- Over load protection, short circuit protection and protection against lighting strike
- Constant current drive, low current fluctuation, high efficient and long life span
- Efficient light distribution, perfectly show the luminance and brightness for Roadways as per guidelines
- Qualify the most stringent salt spray test; the highest body protection level is up to grade 10
- Protection: IP65/66

APPLICATIONS

Residential Colony

Highways

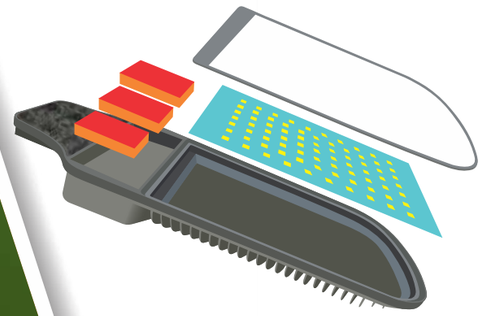
Warehouse

Conforming Standards: • LM- 80 & Photo Biological Test IEC62471

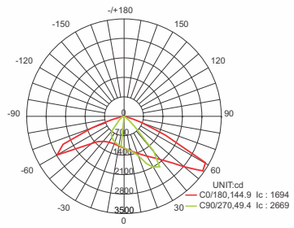
Fiem
LIGHT UP THE WORLD

LED STREET LIGHT

EXPLODED VIEW

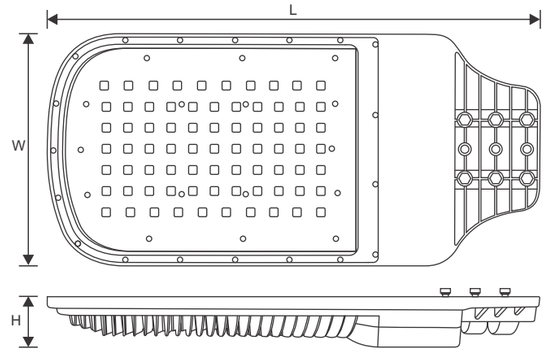


LIGHT DISTRIBUTION



LED STREET LIGHT

DIMENSIONAL DRAWING



ELECTRICAL/DIMENSIONS:

CAT. REF.	Rated Wattage	Working Voltage	Colour Temp.	Initial Lumens	THD	CRI	Power Factor	Dimensions (mm)			Life (Upto)	Packing
								L	W	H		
FLN03200W30K	200W	100V-300V	3000K	18000	<10%	>70	0.95	795	372	75	50,000 Hrs	1 No
FLN03200W65K	200W	100V-300V	6500K	18000	<10%	>70	0.95	795	372	75	50,000 Hrs	1 No

FEATURES

- No Glare, no flash • Superior Aesthetics • No maintenance • Eco Friendly, No UV, No Mercury • Luminous Efficiency >90LM/W • Beam Angle : 130 degree
- Over load protection, short circuit protection and protection against lighting strike
- Constant current drive, low current fluctuation, high efficient and long life span
- Efficient light distribution, perfectly show the luminance and brightness for Roadways as per guidelines
- Qualify the most stringent salt spray test; the highest body protection level is up to grade 10
- Protection: IP65/66

APPLICATIONS

Conforming Standards: • LM- 80 & Photo Biological Test IEC62471

LIGHT UP THE WORLD

LED GARDEN LIGHT (POST TOP)

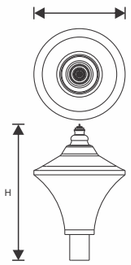
ELECTRICAL/DIMENSIONS:

CAT. REF.	Rated Wattage	Working Voltage	Colour Temp.	Initial Lumens	THD	CRI	Power Factor	Dimensions (mm)			Life (Upto)	Packing
									H	Mounting Bracket		
FLG0110WLS30K	10W	100V-300V	3000K	1200	<15%	>70	0.90	1000	400	75 (max)	25,000 Hrs	1 No.
FLG0110WLS65K	10W	100V-300V	6500K	1200	<15%	>70	0.90	1000	400	75 (max)	25,000 Hrs	1 No.
FLG0115WLS30K	15W	100V-300V	3000K	1800	<15%	>70	0.90	1000	400	75 (max)	25,000 Hrs	1 No.
FLG0115WLS65K	15W	100V-300V	6500K	1800	<15%	>70	0.90	1000	400	75 (max)	25,000 Hrs	1 No.
FLG0210WOS30K	10W	100V-300V	3000K	1200	<15%	>70	0.90	1370	450	75 (max)	25,000 Hrs	1 No.
FLG0210WOS65K	10W	100V-300V	6500K	1200	<15%	>70	0.90	1370	450	75 (max)	25,000 Hrs	1 No.
FLG0215WOS30K	15W	100V-300V	3000K	1800	<15%	>70	0.90	1370	450	75 (max)	25,000 Hrs	1 No.
FLG0215WOS65K	15W	100V-300V	6500K	1800	<15%	>70	0.90	1370	450	75 (max)	25,000 Hrs	1 No.
FLG0310WES30K	10W	100V-300V	3000K	1800	<15%	>70	0.90	1370	450	75 (max)	25,000 Hrs	1 No.
FLG0310WES65K	10W	100V-300V	6500K	1800	<15%	>70	0.90	1370	450	75 (max)	25,000 Hrs	1 No.
FLG0315WES30K	15W	100V-300V	3000K	1800	<15%	>70	0.90	1370	450	75 (max)	25,000 Hrs	1 No.
FLG0315WES65K	15W	100V-300V	6500K	1800	<15%	>70	0.90	1370	450	75 (max)	25,000 Hrs	1 No.

FEATURES

- No Glare, no flash • Superior Aesthetics • No maintenance • Eco Friendly, No UV, No Mercury • Luminous Efficiency >90LM/W • Beam Angle : 130 degree • Eco-Friendly • No Mercury • No UV • Compatible for round & architecture pole
- Rich Aesthetics Round Surface • More than 50% energy saving over CFL/Sodium vapour lamp • Protection IP65

DIMENSIONAL DRAWING



CONSTRUCTION

- Made up of single piece polycarbonate glass & spun aluminium canopy for optic housing. Complete with LED and LED Driver duly wired upto mounting clamp.
- Optics : Antiglare 12 to 15 mm thick computerized designed highly reflective material with inbuilt state of art optical design which enhances light output.
- LED fixing system is as per European Standard.
- Finish: Black powder coated.
- Driver : SMPS Based CCCV Driver with over load and short circuit protection. Conforming to EN-60598-2-1, BS-EN—61347-1 & BS-EN-61347-2-13. LED Driver Insulation upto 3 KV.

APPLICATIONS

Conforming Standards: • LM-80 & Photo Biological Test IEC62471 • CE Certified LED Driver & Luminaires

LIGHT UP THE WORLD

LED GARDEN LIGHT (BOLLARDS)

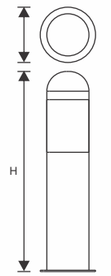
ELECTRICAL/DIMENSIONS:

CAT. REF.	Rated Wattage	Working Voltage	Colour Temp.	Initial Lumens	THD	CRI	Power Factor	Dimensions (mm)		Life (Upto)	Packing
									H		
FLP016WAS30K	6W	100V-300V	3000K	720	<15%	>70	0.90	200	460	25,000 Hrs	1 No.
FLP016WAS65K	6W	100V-300V	6500K	720	<15%	>70	0.90	200	460	25,000 Hrs	1 No.
FLP019WAS30K	9W	100V-300V	3000K	1080	<15%	>70	0.90	200	460	25,000 Hrs	1 No.
FLP019WAS65K	9W	100V-300V	6500K	1080	<15%	>70	0.90	200	460	25,000 Hrs	1 No.
FLP026WCS30K	6W	100V-300V	3000K	720	<15%	>70	0.90	300	750	25,000 Hrs	1 No.
FLP026WCS65K	6W	100V-300V	6500K	720	<15%	>70	0.90	300	750	25,000 Hrs	1 No.
FLP029WCS30K	9W	100V-300V	3000K	1080	<15%	>70	0.90	300	750	25,000 Hrs	1 No.
FLP029WCS65K	9W	100V-300V	6500K	1080	<15%	>70	0.90	300	750	25,000 Hrs	1 No.
FLP0312WES30K	12W	100V-300V	3000K	1450	<15%	>70	0.90	270	900	25,000 Hrs	1 No.
FLP0312WES65K	12W	100V-300V	6500K	1450	<15%	>70	0.90	270	900	25,000 Hrs	1 No.
FLP046WCS30K	6W	100V-300V	3000K	720	<15%	>70	0.90	215	920	25,000 Hrs	1 No.
FLP046WCS65K	6W	100V-300V	6500K	720	<15%	>70	0.90	215	920	25,000 Hrs	1 No.
FLP049WCS30K	9W	100V-300V	3000K	1080	<15%	>70	0.90	215	920	25,000 Hrs	1 No.
FLP049WCS65K	9W	100V-300V	6500K	1080	<15%	>70	0.90	215	920	25,000 Hrs	1 No.

FEATURES

- No Glare, no flash • Superior Aesthetics • No maintenance • Eco Friendly, No UV, No Mercury • Eco-Friendly • No Mercury
- No UV • Design to fix anywhere with the help of fasteners • Rich aesthetics round surface • More than 50% energy saving over CFL/Sodium vapour lamp • Protection IP65

DIMENSIONAL DRAWING



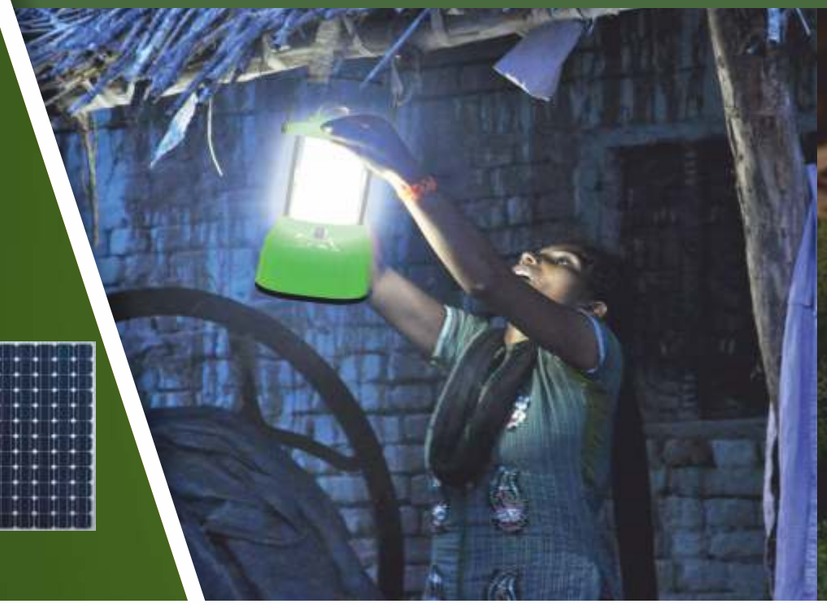
CONSTRUCTION

- Aluminium top and GI pipe based structure with injection moulded ribbed and diffused type acrylic and poly cover middle body made up of single piece polycarbonate glass complete with LED and LED driver duly wired upto mounting clamp
- Diffuser: 12 to 15 mm thick computerized highly reflective material with inbuilt state of art optical design which enhances light output
- LED fixing system is as per European Standard.
- Finish: Black powder coated.
- Driver: SMPS Based CCCV Driver with over load and short circuit protection. Conforming to EN-60598-2-1, BS-EN-61347-1 & BS-EN-61347-2-13. LED Driver Insulation upto 3kV.

APPLICATIONS

Conforming Standards: • LM-80 & Photo Biological Test IEC62471

LED SOLAR LANTERN



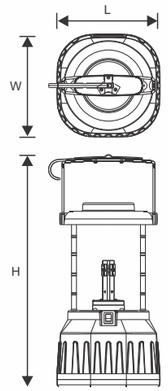
ELECTRICAL/DIMENSIONS:

CAT. REF.	Rated Wattage	Working Voltage (dc)	Colour Temp.	Initial Lumens	CRI	Dimensions (mm)			Life (Upto)	Packing
						L	W	H		
FLF013W65K	3W	12V DC	6500K	360	>70	178.5	178.5	326	25,000 Hrs	1 No.
FLF012W65K	2W	3.7V DC	6500K	240	>70	150	150	230	25,000 Hrs	1 No.

FEATURES

- No Glare, no flash • Superior Aesthetics • No maintenance • Eco Friendly, No UV, No Mercury
- Eco-Friendly • No Mercury • No UV • Suitable for study • Non-fuel consumption and No fumes
- Superior Aesthetics • No maintenance easy to handle • 100% energy saving
- Healthy battery/deep discharge/charging, PV on indication lamp

DIMENSIONAL DRAWING



CONSTRUCTION

- Housing: Made out of nylon plastic material with PC diffuser and high grade aluminium heat sink
- LED fixing system is as per European Standard.
- Charge controller cum driver: CCCV driver with over load and short circuit protection

APPLICATIONS

Conforming Standards: • LM-80 & Photo Biological Test IEC62471 • MNRE Specifications

LED MULTIFUNCTIONAL FLASH LIGHT

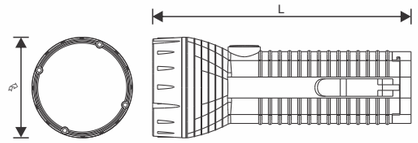
ELECTRICAL/DIMENSIONS:

CAT. REF.	Rated Wattage	Working Voltage	Battery Size	Dimensions (mm)		Life (Upto)	Packing
					L		
FLE01MF3W65K	3W Full Scatter throw	8.5V DC-30V DC	4AA size cells	70	185	25,000 Hrs	1 No.

FEATURES

- 3 W full scatter throw • Uses 4 AA size cells • Highly efficient & reliable (latest Digital technology)
- Uses 38 white LEDs for head & 12 red LEDs for hazard (warning) • IP 65 ingress protection
- Easy to use & carry anywhere feature • Can be powered by an auxiliary supply of 8.5V DC-30 VDC • Has 5 features • LED Life (50,000 hrs)
- Can be readily accommodated in an accessory in automotive 2-Wh/4-Wh • Unit can be put on belt • Low power consumption • Long life for batteries

DIMENSIONAL DRAWING



FUNCTIONS

- Three step lighting with flash
- The first push & release results in the innermost 6 nos. white LED to light up
- The second push & release results in the innermost 13 nos white LEDs to light up
- The third push & release lights up all the 38 nos. white LEDs
- The fourth push & release flashes all the 38 nos. white LEDs
- The fifth push & release will switch off all the 38 white LEDs & flash the 12 nos. Red LEDs to indicate a warning signal (Beacon type)

USES

Can be used for tracking purposes, as an emergency source of light in Automotive as a hazard indicator, in naval & merchant ships as signal device, in military application, by dentists & physicians for diagnostics or as a general purpose household torch.

Conforming Standards: • LM-80 & Photo Biological Test IEC62471

LIGHT UP THE WORLD

LIFE SAVE LED TORCH

ELECTRICAL/DIMENSIONS:

CAT. REF.	Rated Wattage	Working Voltage	Battery Size	Dimensions (mm)		Life (Upto)	Packing
					L		
FLE01LS2W65K	2W Full Scatter throw	8.5V DC-30V DC	2AA size cells	50	173	25,000 Hrs	1 No.

FEATURES

- 2 W full scatter throw • Uses 2 AA size cells • Highly efficient & reliable (latest Digital technology) • Uses 1 nos. white power LEDs for head & 12 red LEDs for hazard (warning)
- IP 65 ingress protection • Easy to use & carry anywhere feature • Can be powered by an auxiliary supply of 8.5V DC-30 VDC • Has 3 features • LED Life (50,000 hrs)
- Can be readily accommodated in an accessory in automotive 2-Wh/4-Wh • Unit can be put on belt • Unit can be strip wire etc. • Unit can be used as hammer to break glass in emergency
- Low power consumption • Long life for batteries

Important Use: This can be used in automobiles for emergencies like failure of central locking & power windows system-self locking of seat belts and other disaster situations • Also suitable for self defence of ladies

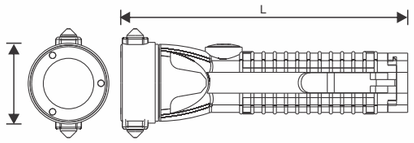
FUNCTIONS

- Single step lighting with flash
- The first push & release results in the lighting up of power white LED
- The second push & release will switch off the power white LEDs & flash the 12 nos. Red LEDs to indicate a warning signal (Beacon type)
- The third push & release will result in all the LEDs (white & red) to be switched off

USES

Can be used for tracking purposes, as an emergency source of light in Automotive as a hazard indicator, in naval & merchant ships as signal device, in military application, by dentists & physicians for diagnostics or as a general purpose household torch

DIMENSIONAL DRAWING



Conforming Standards: • LM-80 & Photo Biological Test IEC62471

LIGHT UP THE WORLD

HIGH POWER LED TORCH

ELECTRICAL/DIMENSIONS:

CAT. REF.	Rated Wattage	Battery Size	Dimensions (mm)		Life (Upto)	Packing
				L		
FLE01HP1W65K	1W bright white LED	D1050-R20 Heavy Duty	58	258	25,000 Hrs	1 No.

FEATURES

- 1 W bright white LED
- Uses 3 heavy duty cells
- Highly efficient & reliable (latest Digital technology)
- IP 65 ingress protection
- Easy to use & carry anywhere feature
- LED Life (50,000 hrs)
- Power LED with highly efficient reflector
- Low power consumption

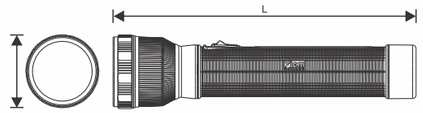
FUNCTIONS

- Single step operation
- Push ON/OFF

USES

Can be used for tracking purposes, as an emergency source of light, naval & merchant ships, in military operations, police petrolling, commandos, by dentists & physicians for diagnostics or as a general purpose household torch.

DIMENSIONAL DRAWING



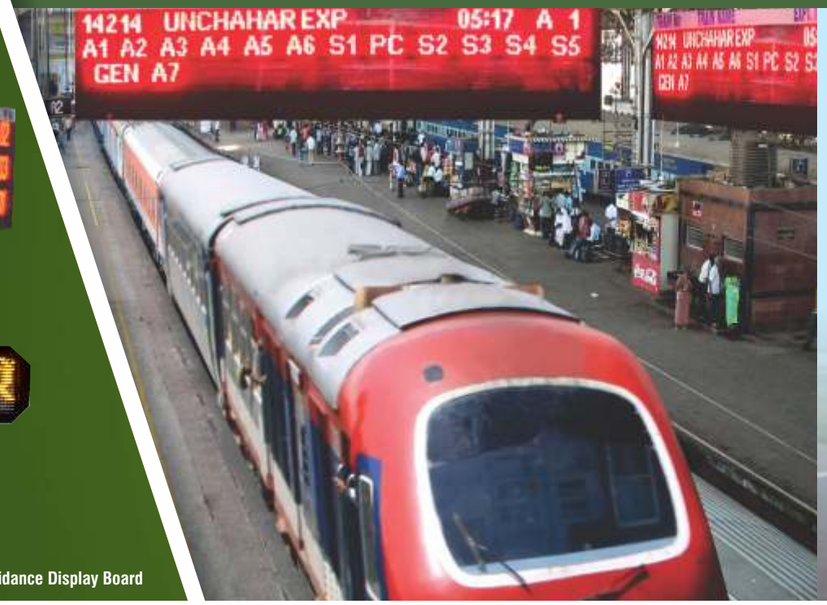
Conforming Standards: • LM-80 & Photo Biological Test IEC62471

INTEGRATED PASSENGER INFORMATION SYSTEM

Multiline Display Board

LED Display Inside AC Coaches

Coach Guidance Display Board

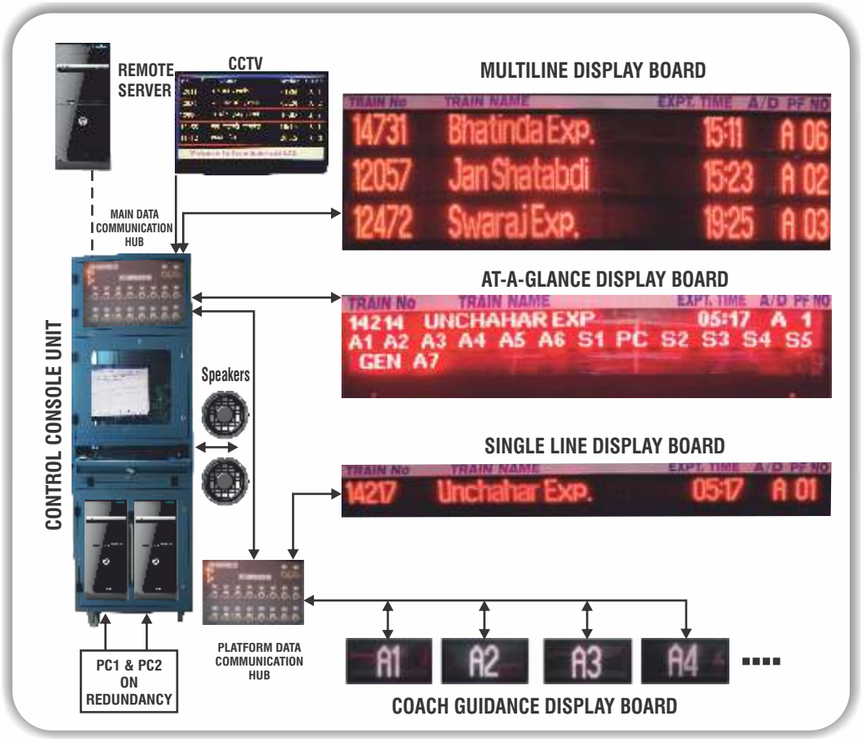


Train Indication, Coach Guidance and PC Based Announcement System for Indian Railways

Confirming to RDSO SPECIFICATION NO: RDSO/SPN/TC/61/2012 (Rev 3.0)

System Consists of:

1. Control Console Unit
2. Audio Announcement System
3. CCTV
4. Main Data Communication Hub/ Platform Data Communication Hub
5. Platform Displays (Multiline/ single line Display Board)
6. Coach Guidance Display Board
7. At- A- Glance Display Board



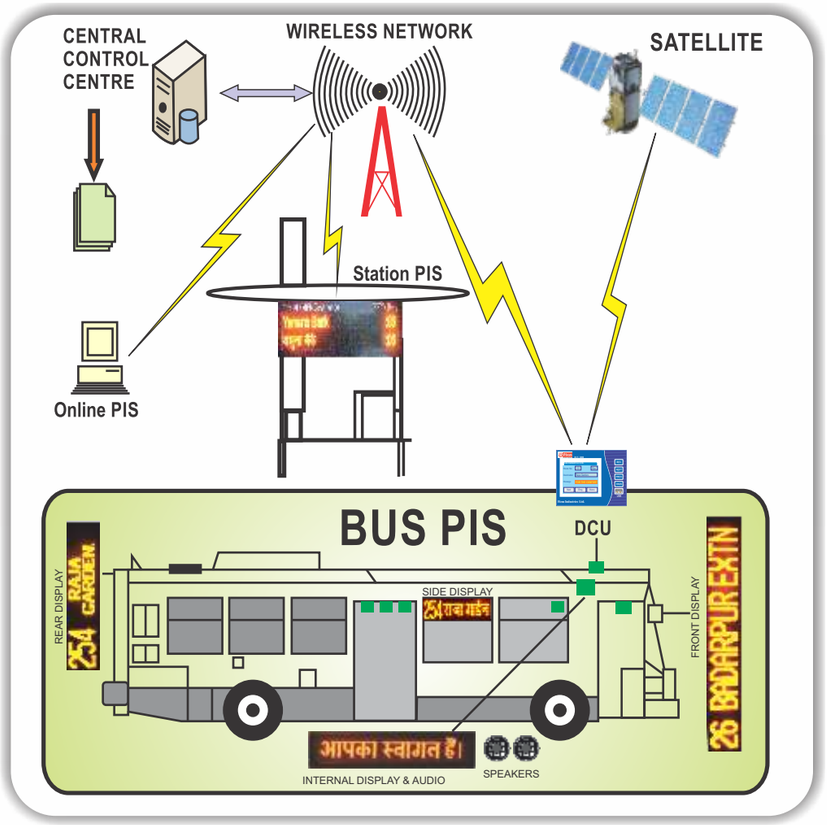
Control Console Unit

LCD

SLDPT-LCD Display for 1st AC Coupe

Master Board Unit & LCD

Intelligent Transportation Systems with LED displays for Buses

SYSTEM CONSISTS OF:

1. Driver Controller Unit
2. Front Display Unit
3. Side Display unit
4. Rear Display Unit
5. Internal Display Unit & Voice Announcement System
   - MOUD/JnNURM/ASRTU Compliant Product
   - GPS/GPRS Compatible
   - Windows language user friendly Application Software
   - Route database updation through USB
   - Slim design
   - High bright Day Night viewable LED's