



## FortuneArtr LED Lighting Pvt Ltd.,

WQ : Survey no:509/1/2, Apparel Export park,

Gundlapochampally, Hyderabad - 500014

Web : [www.fortunearttr.com](http://www.fortunearttr.com)

## Product Technical specification

FA-F/DD-PS 1309

### Product Details :-

|        |                          |
|--------|--------------------------|
| Code   | : FAFLPCR01W22260        |
| Model  | : Panel light - 2f x 2f  |
| Series | : Flame proof clean room |

### Electrical Data :-

|                       |                                                           |
|-----------------------|-----------------------------------------------------------|
| Working voltage range | : 100 - 277 VAC                                           |
| Input voltage         | : 220 - 240 VAC                                           |
| Power                 | : 60 Watt                                                 |
| Power factor          | : >0.95                                                   |
| Frequency             | : 50Hz                                                    |
| THD                   | : < 15%                                                   |
| Driver                | : Constant current active<br>Powerfactor corrected        |
| BIS Registration No.  | : BIS-IS15885-2-13:2012,<br>R-63000353<br>& IS 16104:2012 |
| Driver Efficiency     | : > 85%                                                   |

### Light Data :-

|                  |                            |
|------------------|----------------------------|
| LED Type         | : SMD LED, LM 80 certified |
| System efficacy  | : >120lm/W                 |
| Beam angle       | : 120 Degree               |
| CCT range        | : 2700 - 6500K             |
| CRI (Ra)         | : Typical 70               |
| Secondary Optics | : Borosilicate lens        |
| LED lifespan     | : 50,000 burning hours     |

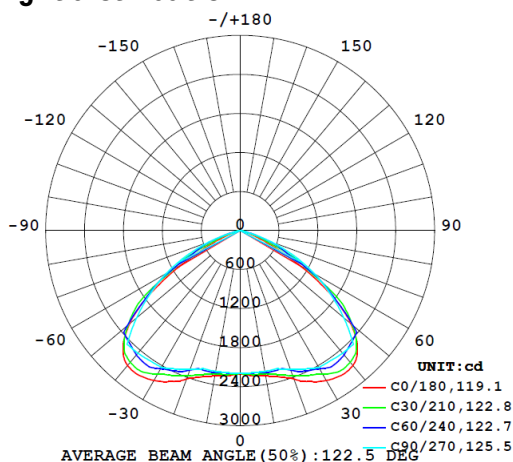
### Environmental :-

|                     |                    |
|---------------------|--------------------|
| Working temperature | : 0 °C to + 55 °C  |
| Working humidity    | : 10 to 90% RH     |
| Storage temperature | : -10°C to + 85 °C |
| IP rating           | : IP66             |

### Protections :-

|                         |                                        |
|-------------------------|----------------------------------------|
| Output Over voltage /   |                                        |
| Under voltage protected | : Provided                             |
| Output Over current and |                                        |
| Short circuit           | : Provided                             |
| Surge protection        | : Inbuilt driver 4KV,<br>External 10KV |

### Light distribution:-



**0**  
Maintenance

**50%**  
ENERGY  
SAVING

**ZERO**  
Mercury

### Approved by CIMFR & BIS:-

**BIS Registration No : CM/L-4784181**

**CIMFR No : IN/CIMFR/TR20/2296, Dt:02-09-2020**

**Gas group: IIB**

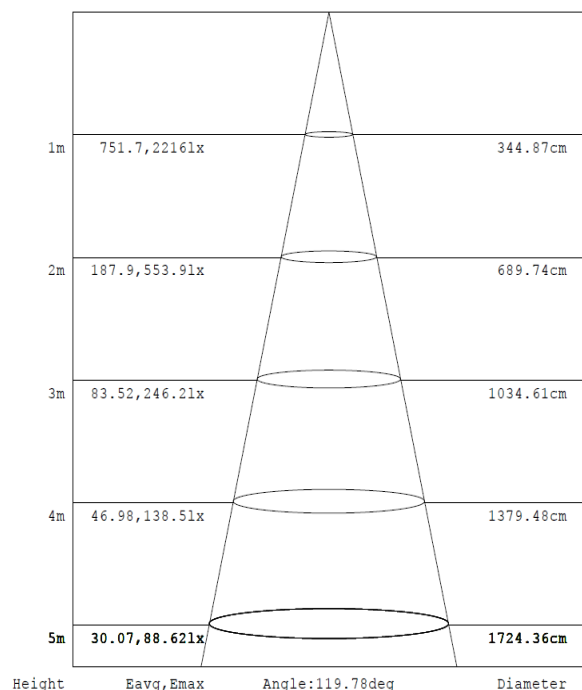
*\* Customized dimensions can supply on request*

### Physical Details :-

|                     |                                                                   |
|---------------------|-------------------------------------------------------------------|
| Material            | : LM6 Grade aluminum or higher grade                              |
| Construction        | : FLP enclosure - Pressure die cast aluminum<br>& CRCA outer case |
| Dimensions          | : L 620mm x W 620mm x H 165mm                                     |
| Cut out diemensions | : L 580mm x W 580mm                                               |
| Suitable fixing     | : Recess mount with clamps                                        |

**Applications : Flame proof / Hazardous areas**

### AAI Curve :-



Note : The above specification are subjected to change without prior notice

**VER4.24**