

Customized Product Specification (CPS)



CPR No	3980	CPR Line Item No.	3980_1
CODE NO.	LE23-501-X-65-HETA	CPS No	ET001-25P/00
DESCRIPTION	IMPERIA - 32W 6500K HE SL	DATE OF ISSUE	28/08/2025
Class (A/B/C)	B	ISSUED FOR	Production
REFERENCE CODE	LE23-501-XXX-HE	Vendor	ESTLIGHTS INDIA PRIVATE LIMITED

SUMMARY	OUR PRODUCT (LE16-491-XXX-57-XX) REQUIRED WITH IN 6500K CCT, 5000LUMENS,CRI80
HOUSING	Standard
DIMENSION / DETAILS	Standard
SYSTEM WATTAGE +/-2W(UPTO 20W) & +/-10%(>20W)	Ref attached configuration in next sheet
SYSTEM LUMENS +/-10%(Unless & Oth. specified)	Ref attached configuration in next sheet
DIFFUSER	Standard
LENS	NA
LOUVRE	NA
LED	Ref attached configuration in next sheet
PCB	
DRIVER	Ref attached configuration in next sheet
COMPONENT	Standard
PACKING	Standard
INSTALLATION SHEET	Standard
MAJOR CHANGES REQUIRED	<ol style="list-style-type: none"> 1. all dimensions and details same as per our standard product (le16-491-xxx-57-xx) 2. system wattage: -40w ($\pm 10\%$) 3. major changes required in product: <ul style="list-style-type: none"> • change in led and driver configuration • product required in 6500k cct • pc housing without reflective film to be used • required in white colour- powder coated in ral 9003 • all wiring to be internal/outer frlszh • required with standard loop in / loop out provision 1. all technical details and parameters same as per below customized product configuration. 2. provide installtion sheet along with product 3. sample to be made and get validated from qa/pdg before going ahead for production. 4. one sample to be sent at waluj lab for testing

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Customized Product Configuration

A	CPR No	3980
B	Date of Release / Revision	1/21/2025_Rev-1
C	Expected Order Volume	100
D	Reference Product Code	LE23-501-XXX-HE
	CPS Code	LE23-501-X-65-HETA
E	CPR Requirement (Wattage)	32.00
F	CPR Requirement (lm Output)	4000.00
G	CPR Requirement (Driver)	Standard
H	CPR Requirement (CCt & CRI)	6500K/80
I	CPR Requirement (New)	32W, 125 LM/W, 4000LM, 6500K
J	Ambient Temp. considered (deg. C)	45
K	Sample/Production	Production

BIS and CCL Details

1	Luminaire BIS registration (Yes/No)	Yes
2	BIS registration brand	IMPERIA LED 32W
3	Wattage in BIS	32W
4	Driver and LED in CCL (Yes/No)	Yes

LED Details

1	LED Make	Bridgelux
2	LED Product Series	BXEN SMD 2835 0.5W 3V
3	LED Product Part Number	BXEN-65E21M3DA0000
4	LED Dimensions	2835
5	VF Bin Considered Min. - Max. & Typ.	Bin (A & B) 2.8V - 3.1V
6	LED luminous flux Typ. in lm	2G and above
7	CCT (K)	6500K
8	CRI Ra (≥) for R1 to R15	80
9	LED Chip Typ. Efficacy (lm/W)	189lm/w @150mA
10	Maximum LED Current (mA)	240
11	LED Case Temp. Considered (TC Deg. C)	85 Deg C
12	Maximum Junction Temperature	125 Deg C

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LED Lens Details		
1	LENS Make	Wipro
2	Part Number	Diffuser 76%
3	LENS Material	PS
4	LENS Distribution / Type	Diffusion
5	Optical Loss Considered (\leq)	24
6	No fo led Dots for each lens	NA
7	Quantity	1

Driver Details		
1	Driver OEM	INTELUX
2	Wipro Driver Code	LG66-030-078-380IT
3	OEM Driver Code	LD78I0380PED(M)
4	Driver Operating Voltage (VAC)	120-290V
5	Driver Operating Frequency (Hz)	50 Hz
6	Driver Type CC / ANA / DALI/Tunable	Standard
7	No. of Drivers	1
8	Electrical Loss (\leq) at Rated Voltage	14
9	Driver Vo Range (VDC)	80
10	Driver Io in mA ($\pm 5\%$ - ADC)	410
11	Driver Power Factor at Rated Voltage	≥ 0.95
12	Driver Current THD at Rated Voltage	$\leq 10\%$
13	Driver Surge Protection (DM /CM) in kV	3.5KV
14	Driver dimensions (L X W X H)	215X31X28

PCB Details		
1	PCB OEM	Wipro
2	PCB Code	Standard FR4
3	Wipro Code	NA
4	OEM Mfg. Code	NA
5	PCB Material	FR4
6	Cu Thickness	35Micron
7	PCB Size	NA
8	Series x Parallel	NA

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Proposed Configuration

1	No. total of LEDs	145
2	LED Configuration (S X P)	29 X 5
3	LED Driving Current in mA (IF)	72.00
4	Calculated Single LED VF (VDC) @ IF	2.69
5	Calculated Total LED VF (±5% - VDC)	78.01
6	Single LED Lumen (lm)	36.50
7	Calculated LED Wattage (W)	28.10
8	Calculated System Wattage	32.70
9	Calculated Total LED Chip Output	5293
10	Calculated System lm Output (+/-10%)	4023
11	Calculated System Efficacy (+/-10%)	123.00

SPD Details

1	OEM of SPD	
2	SPD Code	
3	SPD Rating(V and I)	NA
4	Driver dimension (L X W X H)	NA

Other CPR Requirements if any or remarks :

Notes :

- 1) BIS Model Name & R Number to be mentioned on labels.
- 2) Above changes are included in CCL: Yes.
If YES -Proceed to Dispatch with R No. and Model Name on label.
- 3) For Buy product – Vendor to amend CCL and apply for BIS inclusion (Dispatch should happen after BIS inclusion and any Non-compliance in the same will be under Vendor Scope).
- 4) 2nos. Pre-production samples to be verified by vendor as per cps & reports to be shared with Wipro QA for approval.

Attachments (Dwg/any other documents) :

Released By: Admin

Creation Date: 28/08/2025

Rev: 0

Revision Date: