

## STREET LIGHT TECHNICAL SPECIFICATIONS





## **LED 45W Street Light**

**HLSLD-14-45-CWDL-R-SPD-PHV**

**Product Description:** Energy efficient 45W LED Street Light

### **Technical Specifications:**

Main Housing Material:	Aluminium PDC, Top maintainable
Front Cover Material:	Clear PC moulded lens cover
LED:	LM80 certified LED
Lumen Maintenance:	50000 hours @ L70
Control Gear:	Isolated, CC Potted Driver (Sustain up to 8 hrs. at 440V AC)
Internal Wiring:	Insulated Cu wire
Hardware:	SS / MS Zinc plated and passivated
Ingress Protection:	IP66
Impact Resistance:	IK07
Operating Voltage Range:	140V~ 270V
Operating Temperature:	-10°C~ 50°C



### **Electrical & Photometry Parameters:**

Rated Voltage & Frequency	System Wattage	System Current	Power Factor	System Lumen Efficacy*	CCT (As per ANSI)	CRI	THD	Driver Efficiency
240V, 50Hz	45W±10%	<217mA	≥0.95	120lm/W	5700K	≥70	≤10%	≥85%

\*As per the IS 16107 part 2- sec1 clause no. 8.3, measured luminaire efficacy shall not be less than 90% of rated value.

### **System Protections:**

Open & Short circuit protection, reverse polarity protection, high voltage cut-off protection at >300V, surge protection of 5KV internal + 10KV SPD external.

### **Application:**

Street and road lighting, city squares, periphery lighting, complex boundry lighting, outdoor lighting, etc.

### **Mounting:**

Pole mounting, suitable up to 40mm OD pipe bracket.

Note: Due to continuous efforts in developing products, improvement M/s Halonix Technologies Pvt Ltd reserves the right to make changes in the design and data and withdraw the luminaries without any prior notice.	Prepared by :	MK./NK	Industrial Luminaire :
	Checked by :	AS	Cat. Ref. : HLSLD-14-45-CWDL-R
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As improvement in design & method of manufacturing is a continuous process, the product supplied may differ in details from above given data.

**LED 60W Street Light****HLSLD-01-60-CWDL-R-SPD-PHV****Product Description:** Energy efficient 60W LED Street Light**Technical Specifications:**

Main Housing Material:	Aluminium PDC, Top maintainable
Front Cover Material:	Clear PC moulded lens cover
LED:	LM80 certified LED
Lumen Maintenance:	50000 hours @ L70
Control Gear:	Isolated, CC Potted Driver (Sustain up to 8 hrs. at 440V AC)
Internal Wiring:	Insulated Cu wire
Hardware:	SS / MS Zinc plated and passivated
Ingress Protection:	IP66
Impact Resistance:	IK07
Operating Voltage Range:	140V~ 270V
Operating Temperature:	-10°C~ 50°C

**Electrical & Photometry Parameters:**

Rated Voltage & Frequency	System Wattage	System Current	Power Factor	System Lumen Efficacy*	CCT (As per ANSI)	CRI	THD	Driver Efficiency
240V, 50Hz	60W±10%	<289mA	≥0.95	120lm/W	5700K	≥70	≤10%	≥85%

\*As per the IS 16107 part 2- sec1 clause no. 8.3, measured luminaire efficacy shall not be less than 90% of rated value.

**System Protections:**

Open & Short circuit protection, reverse polarity protection, high voltage cut-off protection at >300V, surge protection of 5KV internal + 10KV SPD external.

**Application:**

Street and road lighting, city squares, periphery lighting, complex boundary lighting, outdoor lighting, etc.

**Mounting:**

Pole mounting, suitable up to 50mm OD pipe bracket.

Note: Due to continuous efforts in developing products, improvement M/s Halonix Technologies Pvt Ltd reserves the right to make changes in the design and data and withdraw the luminaries without any prior notice.	Prepared by :	MK./NK	Industrial Luminaire :
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## LED 72W Street Light

HLSLD-01-72-CWDL-R-SH-SPD-PHV



**Product Description:** Energy efficient 72W LED Street Light

### Technical Specifications:

Main Housing Material:	Aluminium PDC, Top maintainable
Front Cover Material:	Clear PC moulded lens cover
LED:	LM80 certified LED
Lumen Maintenance:	50000 hours @ L70
Control Gear:	Isolated, CC Potted Driver (Sustain up to 8 hrs. at 440V AC)
Internal Wiring:	Insulated Cu wire
Hardware:	SS / MS Zinc plated and passivated
Ingress Protection:	IP66
Impact Resistance:	IK07
Operating Voltage Range:	140V~ 270V
Operating Temperature:	-10°C~ 50°C

### Electrical & Photometry Parameters:

Rated Voltage & Frequency	System Wattage	System Current	Power Factor	System Lumen Efficacy*	CCT (As per ANSI)	CRI	THD	Driver Efficiency
240V, 50Hz	72W±10%	<347mA	≥0.95	120lm/W	5700K	≥70	≤10%	≥85%

\*As per the IS 16107 part 2- sec1 clause no. 8.3, measured luminaire efficacy shall not be less than 90% of rated value.

### System Protections:

Open & Short circuit protection, reverse polarity protection, high voltage cut-off protection at >300V, surge protection of 5KV internal + 10KV SPD external.

### Application:

Street and road lighting, city squares, periphery lighting, complex boundry lighting, outdoor lighting, etc.

### Mounting:

Pole mounting, suitable up to 50mm OD pipe bracket.

Note: Due to continuous efforts in developing products, improvement M/s Halonix Technologies Pvt Ltd reserves the right to make changes in the design and data and withdraw the luminaries without any prior notice.	Prepared by :	MK./NK	Industrial Luminaire :
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As improvement in design & method of manufacturing is a continuous process, the product supplied may differ in details from above given data.

**LED 120W Street Light****HLSLD-01-120-CWDL-R -SPD-PHV****Product Description:** Energy efficient 120W LED Street Light**Technical Specifications:**

Main Housing Material:	Aluminium PDC, Top maintainable
Front Cover Material:	Clear PC moulded lens cover
LED:	LM80 certified LED
Lumen Maintenance:	50000 hours @ L70
Control Gear:	Isolated, CC Potted Driver (Sustain up to 8 hrs. at 440V AC)
Internal Wiring:	Insulated Cu wire
Hardware:	SS / MS Zinc plated and passivated
Ingress Protection:	IP66
Impact Resistance:	IK07
Operating Voltage Range:	140V~ 270V
Operating Temperature:	-10°C~ 50°C

**Electrical & Photometry Parameters:**

Rated Voltage & Frequency	System Wattage	System Current	Power Factor	System Lumen Efficacy*	CCT (As per ANSI)	CRI	THD	Driver Efficiency
240V, 50Hz	120W±10%	<579mA	≥0.95	120lm/W	5700K	≥70	≤10%	≥85%

\*As per the IS 16107 part 2- sec1 clause no. 8.3, measured luminaire efficacy shall not be less than 90% of rated value.

**System Protections:**

Open & Short circuit protection, reverse polarity protection, high voltage cut-off protection at >300V, surge protection of 5KV internal + 10KV SPD external.

**Application:**

Street and road lighting, city squares, periphery lighting, complex boundry lighting, outdoor lighting, etc.

**Mounting:**

Pole mounting, suitable up to 50mm OD pipe bracket.

Note: Due to continuous efforts in developing products, improvement M/s Halonix Technologies Pvt Ltd reserves the right to make changes in the design and data and withdraw the luminaries without any prior notice.	Prepared by :	MK./NK	Industrial Luminaire :
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**LED 150W Street Light****HLSLD-06-150-CWDL-R -SPD-PHV****Product Description:** Energy efficient 150W LED Street Light**Technical Specifications:**

Main Housing Material:	Aluminium PDC, Top maintainable
Front Cover Material:	Clear PC moulded lens cover
LED:	LM80 certified LED
Lumen Maintenance:	50000 hours @ L70
Control Gear:	Isolated, CC Potted Driver (Sustain up to 8 hrs. at 440V AC)
Internal Wiring:	Insulated Cu wire
Hardware:	SS / MS Zinc plated and passivated
Ingress Protection:	IP66
Impact Resistance:	IK07
Operating Voltage Range:	140V~ 270V
Operating Temperature:	-10°C~ 50°C

**Electrical & Photometry Parameters:**

Rated Voltage & Frequency	System Wattage	System Current	Power Factor	System Lumen Efficacy*	CCT (As per ANSI)	CRI	THD	Driver Efficiency
240V, 50Hz	150W±10%	<724mA	≥0.95	120lm/W	5700K	≥70	≤10%	≥85%

\*As per the IS 16107 part 2- sec1 clause no. 8.3, measured luminaire efficacy shall not be less than 90% of rated value.

**System Protections:**

Open & Short circuit protection, reverse polarity protection, high voltage cut-off protection at >300V, surge protection of 5KV internal + 10KV SPD external.

**Application:**

Street and road lighting, city squares, periphery lighting, complex boundary lighting, outdoor lighting, etc.

**Mounting:**

Pole mounting, suitable up to 50mm OD pipe bracket.

Note: Due to continuous efforts in developing products, improvement M/s Halonix Technologies Pvt Ltd reserves the right to make changes in the design and data and withdraw the luminaries without any prior notice.	Prepared by :	MK./NK	Industrial Luminaire :
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As improvement in design & method of manufacturing is a continuous process, the product supplied may differ in details from above given data.

## LED 90W Street Light

### HLSLD-01-90-CWDL-R-SPD-PHV

**Product Description:** Energy efficient 90W LED Street Light

#### Technical Specifications:

Main Housing / Heat Sink Material:	Aluminium PDC
Front Cover:	Clear Poly Carbonate
Lens:	Suitable high efficient moulded lens
LED:	LM80 certified LED
Lumen Maintenance:	50000 hours @ L70
Control Gear:	Isolated, CC potted Driver (Sustain up to 8 hrs. at 440V AC)
Internal Wiring:	Insulated Cu wire
Hardwares:	SS / MS Zinc plated and passivated
Ingress Protection:	IP66
Impact Resistance:	IK07
Operating Voltage Range:	140V~ 270V
Operating Temperature:	-10°C~ 50°C



#### Electrical & Photometry Parameters:

Rated Voltage & Frequency	System Wattage	System Current	Power Factor	System Lumen Efficacy*	CCT (As per ANSI)	CRI	THD	Driver Efficiency
240V, 50Hz	90W±10%	<434mA	≥0.95	120lm/W	5700K	≥70	<10%	85%

\*As per the IS 16107 part 2- sec1 clause no. 8.3, measured luminaire efficacy shall not be less than 90% of rated value.

#### System Protections:

Open & Short circuit protection, reverse polarity protection, high voltage cut off at >300VAC, surge protection of 5KV internal + 10KV SPD external.

#### Application:

Street and road lighting, city squares, periphery lighting, complex boundry lighting, outdoor lighting, etc.

#### Mounting:

Pole mounting, suitable up to 50mm pipe bracket.

Note: Due to continuous efforts in developing products, improvement M/s Halonix Technologies Pvt Ltd reserves the right to make changes in the design and data and withdraw the luminaires without any prior notice.	Prepared by :	MK/NK	Industrial Luminaire :
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*Number of LEDs will be vary as per the wattage.*