

LED Roadlight UR121E-124E

40W/50W/60W/80W/100W/120W/150W/200W

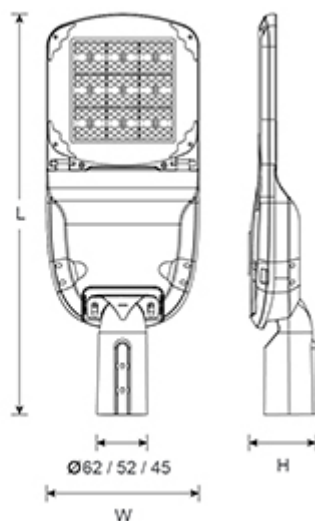
Features

- 40W / 50W / 60W / 80W / 100W / 120W / 150W / 200W LED Roadlight
- Wide beam angles for large open area coverage
- Asymmetric optic design with uniform distribution
- Excellent heat dissipation and long life span for low maintenance cost
- Integral driver
- Optional receptacle and photocell



Diagrams

Dimensions:



(Unit : mm)	(L)	(W)	(H)	Weight
UR121E	555	x 200	x 105	3.35 kg
UR122E	615	x 233	x 100	3.77 kg
UR123E	672	x 260	x 100	4.75 kg
UR124E	725	x 310	x 113	5.52 kg

Prosperity Lamps & Components Ltd.

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Standards



IP66

IK09

Applications



Road Light

Technical Data	
Type of Light Source	
Lighting Technology Used	LED
Non-directional or Directional [NDLS/DLS]	DLS
Mains or Non-mains [MLS/NMLS]	MLS
Connected Light Source	No
Color tunable light source	No
Envelop [No/Second/Non-Clear]	No
High Luminance Light Source	No
Anti-glare Shield	No
Electrical	
Rated Wattage [W]	40W / 50W / 60W / 80W / 100W / 120W / 150W / 200W
On-mode Power [W]	40W / 50W / 60W / 80W / 100W / 120W / 150W / 200W
Standby Power [W]	N/A
Networked Standby Power [W]	N/A
Rated Voltage [V/Hz]	100-277V, 50/60Hz
Power Factor	0.9
Input Current [mA] @230V	193 / 242 / 290 / 386 / 483 / 580 / 725 / 966
Model	
UR121E-40W/7XX	40W
UR121E-50W/7XX	50W
UR121E-60W/7XX	60W
UR122E-80W/7XX	80W
UR122E-100W/7XX	100W
UR123E-120W/7XX	120W
UR123E-150W/7XX	150W
UR124E-200W/7XX	200W
Luminous Flux (Useful Luminous Flux) [lm]	
40W	5600lm (5320lm) @3000K

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	5800lm (5510lm) @4000K
	6000lm (5700lm) @6000K
50W	7000lm (6650lm) @3000K
	7250lm (6890lm) @4000K
	7500lm (7125lm) @6000K
60W	8400lm (7980lm) @3000K
	8700lm (8265lm) @4000K
	9000lm (8550lm) @6000K
80W	11200lm (10640lm) @3000K
	11600lm (11020lm) @4000K
	12000lm (11400lm) @6000K
100W	14000lm (13300lm) @3000K
	14500lm (13755lm) @4000K
	15000lm (14250lm) @6000K
120W	16800lm (15960lm) @3000K
	17400lm (16530lm) @4000K
	18000lm (17100lm) @6000K
150W	21000lm (19950lm) @3000K
	21750lm (20660lm) @4000K
	22500lm (21375lm) @6000K
200W	28000lm (26600lm) @3000K
	29000lm (27550lm) @4000K
	30000lm (28500lm) @6000K
Performance	
SCDM	<6
Chromaticity coordinates [x, y]	0.44, 0.403@3000K / 0.38, 0.38@4000K / 0.321, 0.322@6000K
Efficacy [lm/W]	133-143
Color Rendering Index [Ra]	≥70
R9 colour rendering index value	2
Optics	Type II / III / IV / V
Rated Life, Ta@25°C [hrs]	50,000
Lamp Survival Factor	0.9
Lumen Maintenance	0.96
Number of Switching Cycles Before Failure	25,000
Starting Time [S]	<0.5
Warm Up Time [S]	<2
Premature Failure At 1000hrs	<5%
Displacement Factor [cosØ]	0.9
Flicker Metric [Pst LM]	1
Stroboscopic Effect Metric [SVM]	0.4
Mechanical	
Length L [mm]	555 / 615 / 672 / 725
Width W [mm]	200 / 233 / 260 / 310

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Height H [mm]	105 / 100 / 100 / 113
Weight [kg]	3.35 / 3.77 / 4.75 / 5.52
Material	Body: Die-cast aluminium
	Lens: PC
	Diffuser: Tempered glass
Standard Compliance	
CE-LVD	EN60598-1, EN60598-2-2
CE-EMC	EN55015, EN61547, EN61000-3-2, EN61000-3-3
Environment	RoHS
Mercury Content [mg]	0.0
Energy Class	3000K / 4000K / 6500K
40W	D / C / C
50W	D / C / C
60W	D / C / C
80W	D / C / C
100W	D / C / C
120W	D / C / C
150W	D / C / C
200W	D / C / C
Electrical Class	I
Other	
Dimmable [Yes/Only with specific dimmers/No]	Optional
Operation Temperature	-10°C ~ 40°C
Storage Temperature	-20°C ~ 60°C
Energy Consumption in on-mode [kWh/1000h]	40kWh / 50kWh / 60kWh / 80kWh / 100kWh / 120kWh / 150kWh / 200kWh