

LED Tracklight NK111E-114E

10W/20W/30W/40W

Features

- 10W / 20W / 30W / 40W LED Tracklight
- Adjustable beam angle 20° / 40° / 60°
- Precise beam control by aluminium reflector
- Adjustable head spot lighting
- Comfort glare-free light
- High color rendition, Ra ≥90

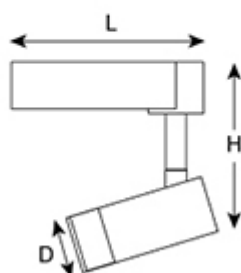


Diagrams

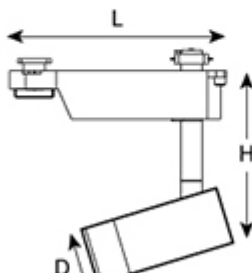
Dimensions:

(Unit : mm)	(D)	(L)	(H)
NK111E	Ø67 x	106 x	230
NK112E	Ø88 x	106 x	243
NK113E	Ø101 x	106 x	270
NK114E	Ø101 x	106 x	270

(Unit : mm)	(D)	(L)	(H) 3wire/4wire
NK111E	Ø67 x	106 x	230 / 255
NK112E	Ø88 x	106 x	243 / 268
NK113E	Ø101 x	106 x	270 / 295
NK114E	Ø101 x	106 x	270 / 295



2-wire track



3-wire / 4-wire track

Prosperity Lamps & Components Ltd.

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Standards



Applications



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]	10W / 20W / 30W / 40W
On-mode Power [W]	10W / 20W / 30W / 40W
Standby Power [W]	N/A
Networked Standby Power [W]	N/A
Rated Voltage [V/Hz]	220-240V, 50/60Hz
Power Factor	0.5 / 0.5 / 0.9 / 0.9
Input Current [mA] @230V	87 / 174 / 145 / 193
Model	
NK111E-10W/9XX	10W
NK112E-20W/9XX	20W
NK113E-30W/9XX	30W
NK114E-40W/9XX	40W
Luminous Flux (Useful Luminous Flux) [lm]	
10W	700lm (680lm) @3000K
	750lm (730lm) @4000K
	800lm (775lm) @6500K
20W	1560lm (1510lm) @3000K
	1600lm (1550lm) @4000K

	1640lm (1590lm) @6500K
30W	2425lm (2350lm) @3000K
	2475lm (2400lm) @4000K
40W	2530lm (2450lm) @6500K
	3300lm (3200lm) @3000K
	3400lm (3300lm) @4000K
	3505lm (3400lm) @6500K
Performance	
SCDM	<6
Chromaticity coordinates [x, y]	0.44, 0.403@3000K / 0.38, 0.38@4000K / 0.312, 0.335@6500K
Efficacy [lm/W]	68-87
Color Rendering Index [Ra]	≥90
R9 colour rendering index value	2
Beam Angle [°]	20 / 40 / 60
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]	0.7(10W, 20W) / 0.9(30W, 40W)
Flicker Metric [Pst LM]	1
Stroboscopic Effect Metric [SVM]	0.4
Mechanical	
Diameter [mm]	Ø64 / Ø88 / Ø101 / Ø101
Length L [mm]	106 / 106 / 106 / 106
Height H [mm]	2 wires: 230 / 243 / 270 / 270
	3 wires: 230 / 243 / 270 / 270
	4 wires: 255 / 268 / 295 / 295
Material	Body: Die-cast aluminium
	Reflector: Anodised faceted aluminium
	Diffuser: Toughened glass
Finish	Choice of White, Black color
Standard Compliance	
CE-LVD	EN60598-1, EN60598-2-2
CE-EMC	EN55015, EN61547, EN61000-3-2, EN61000-3-3
Environment	RoHS
Energy Class	F / G(NK111E-10W/830)
Electrical Class	I
Other	
Dimmable [Yes/Only with specific dimmers/No]	No
Operation Temperature	-10°C ~ 40°C

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Storage Temperature	-20°C ~ 60°C
Energy Consumption in on-mode [kWh/1000h]	10kWh / 20kWh / 30kWh / 40kWh