

NEPTUNE 100

INTEGRATED IP65 LINEAR LED LIGHT

OrbitX Direct Drive Technology Onboard

dust proof, moisture proof,
vapour proof

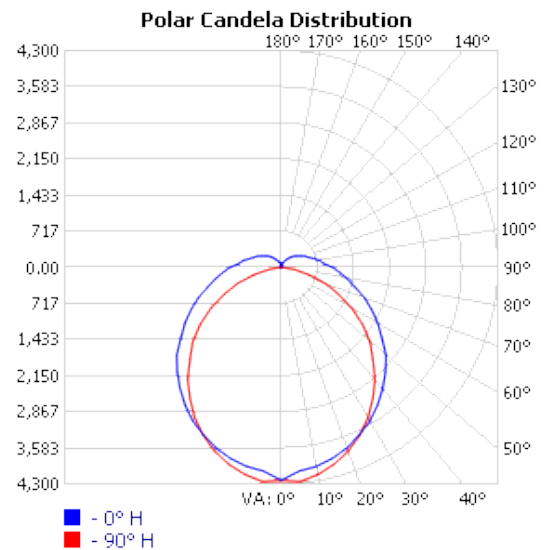


Dimensions



Configurations

600 mm	1200 mm	1500 mm
9 W 1000 lm	20 W 2000 lm	22 W 2200 lm
18 W 2000 lm	40 W 4000 lm	44 W 4400 lm
27 W 3000 lm	60 W 6000 lm	66 W 6600 lm
36 W 4000 lm	80 W 8000 lm	88 W 8800 lm
45 W 5000 lm		



Guarantee

Operational Guarantee (365d x 24h)	8 years
Light Output Guarantee (365d x 24h)	5 years

Lifetime

Nominal Lifetime (L70) IES LM-80, TM-21	70 000 hours
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Photometric Data

Luminous Efficacy	100 lm/W
Correlated Colour Temperature (CCT)	5000K (options available)
Colour Rendering Index (CRI)	83
Gamut Area Index (GAI)	96
Light Quality	Type A compliant (Lighting Research Centre, New York)
Beam Angle	120°
Stroboscopic Effect (100Hz)	80% flicker free (complies to OHS and MHS Act regulations)

Electrical Data

Power	See Configurations on previous page
Power Factor	>0.98
Operating Voltage	220-240 V AC
Minimum Sustained Voltage	No minimum limit, operational from 150V
Maximum Sustained Voltage	270 V for 2 minutes
On/Off Switching	Unlimited
Delay to Full Brightness	Immediate

Temperature

T Ambient (max)	+35° C
T Ambient (min)	-40° C

Safety

Risk of Breakage	Low, polycarbonate housing extruded to 1mm (no glass)
Electrical	IEC60598-1, IEC60598-2-5 compliant
Surge Protection	1.5 kV
Fire Rating	UL-94 VO compliant (no flaming droplets)
IP Rating	IP65
SABS	SABS safety tests, passed

Interference Compliance

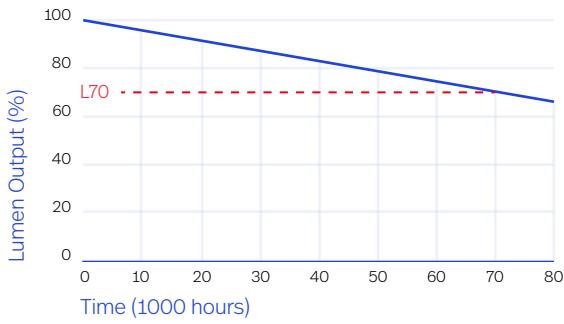
Wifi, Barcode Scanner, Radio Frequency Interference	No interference, IEC 61547, SANS 215 (CISPR15) compliant
Total Harmonic Distortion	IEC 61000-3-2 Class D Compliant

Additional

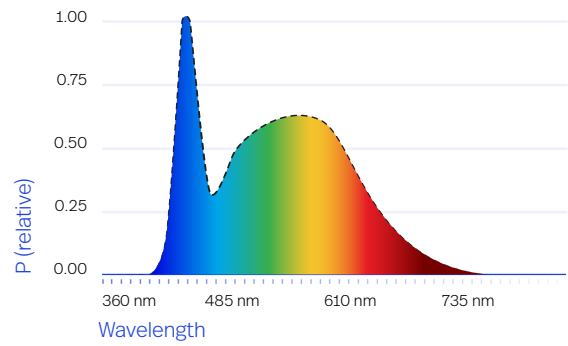
Radar Motion Sensor	Available on all models
Battery Backup	Available on all models
Variable Switching	Available on all models

Specification tolerance +-10%

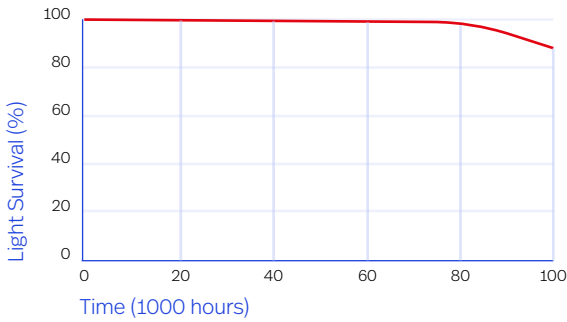
Rate of Reduction in Light Output



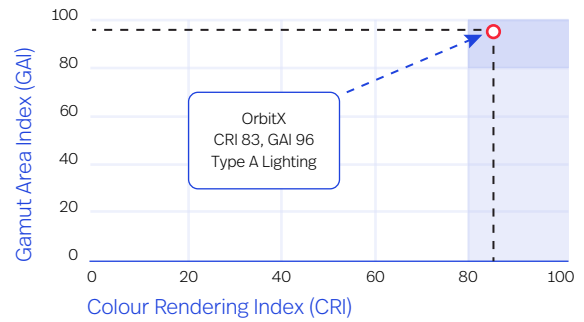
Light source SPD



Light Survival Rate



Type A Lighting*



*Type A Lighting as defined by the Lighting Research Centre, New York

Model Code	Length of Light mm	Power Rating	Units per Box	Box Dimensions (l x w x h) mm	Weight (kg)	IES Files
OXNT0600095	600	9 W	8	1280 x 185 x 185	6,92	Click to download
OXNT0600185	600	18 W	8	1280 x 185 x 185	7,08	Click to download
OXNT0600275	600	27 W	8	1280 x 185 x 185	7,23	Click to download
OXNT0600365	600	36 W	8	1280 x 185 x 185	7,38	Click to download
OXNT0600455	600	45 W	8	1280 x 185 x 185	7,53	Click to download
OXNT1200205	1200	20 W	4	1280 x 185 x 185	6,56	Click to download
OXNT1200405	1200	40 W	4	1280 x 185 x 185	6,71	Click to download
OXNT1200605	1200	60 W	4	1280 x 185 x 185	6,86	Click to download
OXNT1200805	1200	80 W	4	1280 x 185 x 185	7,04	Click to download
OXNT1500225	1500	22 W	4	1850 x 185 x 185	8,19	Click to download
OXNT1500445	1500	44 W	4	1850 x 185 x 185	8,37	Click to download
OXNT1500665	1500	66 W	4	1850 x 185 x 185	8,55	Click to download
OXNT1500885	1500	88 W	4	1850 x 185 x 185	8,78	Click to download