Orbit X

NEPTUNE Ex Rated

Integrated IP68 LINEAR LED LIGHT

OrbitX Direct Drive Technology Onboard

Explosion protected
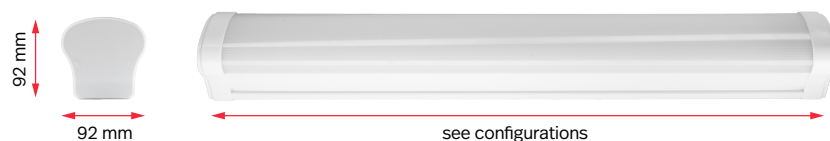Zone 2   Ex ec IIC T5 Gc IP 68
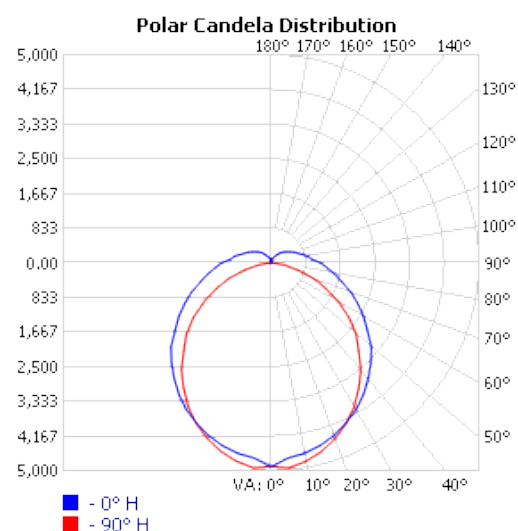Zones 21 and 22   Ex tb IIIC T85 °C Db IP68

Dimensions

92 mm

92 mm

see configurations

Configurations

600 mm	1200mm	
9 W 1000 lm	16 W 2000 lm	60 W 7500 lm
18 W 2000 lm	20 W 2500 lm	80 W 10000 lm
27 W 3000 lm	32 W 4000 lm	
36 W 4000 lm	40 W 5000 lm	
45 W 5000 lm	48 W 6000 lm	

Polar Candela Distribution

- 0° H
- 90° H

Guarantee

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

Lifetime

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

Photometric Data

Luminous Efficacy	135 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	220-240V AC
Minimum Sustained Voltage	No minimum limit, operational from 150V
Maximum Sustained Voltage	250V for 2 minutes
On/Off Switching	Unlimited
Explosion protection	Ex ec IIC T5 Gc IP 68 & Ex tb IIIC T85 ° C Db IP68

Temperature

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

Safety

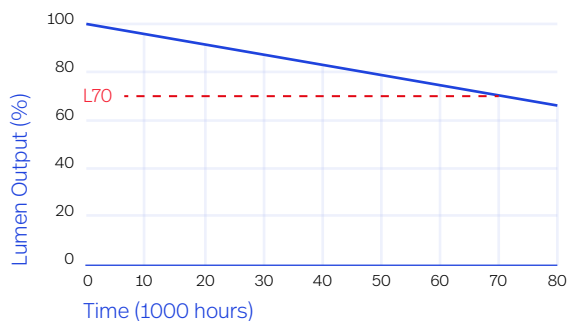|	
Risk of Breakage	Low, polycarbonate housing extruded to 1mm (no glass)
Electrical	IEC60598-1, IEC60598-2-5 compliant
Surge Protection	1.5kV
Fire Rating	UL-94 V0 compliant (no flaming droplets)
IP Rating	IP68
SABS	SABS safety tests, passed

Interference Compliance

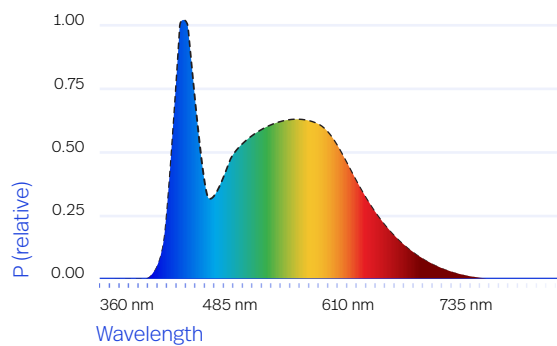|	
Wifi, Barcode Scanner, Radio Frequency Interference	No interference, IEC 61547, SANS 215 (CISPR15) compliant
Total Harmonic Distortion	IEC 61000-3-2 Class D Compliant

Additional

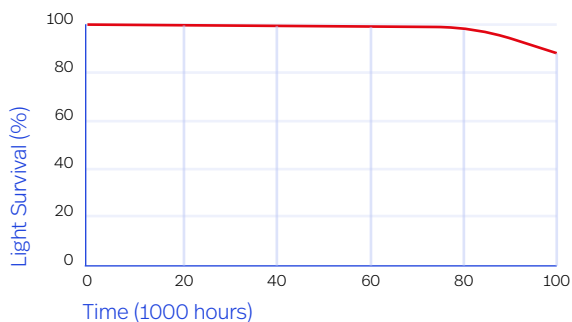|	
Optional Battery Backup	Battery output: 1000lm for 4h. 6h charge time. 1y guarantee.
Optional Variable Switching	2 Live inputs. 1 Neutral. Eg. 80W is split into 32W/48W/80W.
Optional Radar Motion Sensor	Programmable sensitivity (distance). Programmable time on.

Specification tolerance ±10%
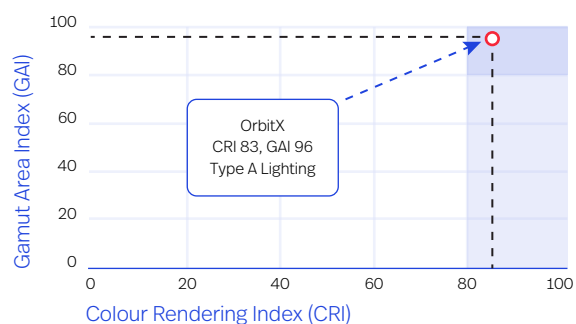
Rate of Reduction in Light Output

Light source SPD

Light Survival Rate

Type A Lighting*

OrbitX
CRI 83, GAI 96
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
OXNT1200165	1200	16 W	4	1280 x 185 x 185	6.56	Click to download
OXNT1200205	1200	20 W	4	1280 x 185 x 185	6.56	Click to download
OXNT1200325	1200	32 W	4	1280 x 185 x 185	6.71	Click to download
OXNT1200405	1200	40 W	4	1280 x 185 x 185	6.71	Click to download
OXNT1200485	1200	48 W	4	1280 x 185 x 185	6.86	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

Model Code	Length of Light mm	Power Rating	Units per Box	Box Dimensions (l x w x h) mm	Weight (Kg)	IES Files
OXNT1200165	1200	16 W	4	1280 x 185 x 185	6.56	Click to download
OXNT1200205	1200	20 W	4	1280 x 185 x 185	6.56	Click to download
OXNT1200325	1200	32 W	4	1280 x 185 x 185	6.71	Click to download
OXNT1200405	1200	40 W	4	1280 x 185 x 185	6.71	Click to download
OXNT1200485	1200	48 W	4	1280 x 185 x 185	6.86	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