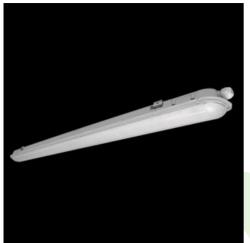


## Product: NEPTUN LED V2 2200 PC-FROZEN EDD 21 IP66 830 / L-600 Index: 19.3208.0003.21



## Description

Tightly-closed ceiling luminaries with highly efficient LED light sources, ensuring additional protection against solid body penetration and jet of water from all directions. Perfect to be installed in moist and dusty rooms. The luminary is characterized by compact size and unbelievably simple and quick way to install comparing with similar products. The color temperature for applied LED light sources is 3000/4000 K. Color rendering index Ra>80. The luminary is dedicated for halls, warehouses, underground passes, car parks illumination etc.

Family       NEPTUN LED V2         Name       NEPTUN LED V2 2200 PC-FROZEN EDD 21 IP66 830 / L-600         Index       19.3208.0003.21         Image: State of the sta			
Family       NEPTUN LED V2         Name       NEPTUN LED V2 2200 PC-FROZEN EDD 21 IP66 830 / L-600         Index       19.3208,0003.21         Image:       Image:         Image:       Image:         Light and electrical data       Light source         Light and electrical data       Light source         Light and electrical data       Light source         Light source       LED         Luminous flux [Im]       2109         LED power [W]       11,2         Luminous flux [Im]       1932         Power of luminaire [M]       12,3         Luminaires [M]       12,3         Luminaires [M]       157,1         Color of the light [K]       3000         CRI       >80         SDCM (LED sources)       3         Beam angle [*]       (C0-C180) / (C90-C270) - 123,6* / 116*         Protection against electric shock       I         Protection degree       IP66         Voltage       220240 V, 5060 Hz         Lifetime of LED sources [h]       100000 (1) / 147000 (2)         Lv/By       L80/B10 (1) / L70/B10 (2)         Operating temperature range [*C]       -25 ÷ 40         Driver       Dim Dall (EDD)	Product information	Category Industrial luminal	ires
Index       19.3288.0003.21         Image: Construction of the standard		Family NEPTUN LED V2	
Light and electrical data       Light source       LED         Luminous flux LED [lm]       2109			
Light and electrical data Light source Light source Light source Light source LED Luminous flux LED [lm] LED power [M] LL2 Luminaire luminous flux [lm] 1932 Power of luminaire [M] 12,3 Luminaire's light efficiency [lm/M] 157,1 Color of the light [K] 3000 CRl CRl SDCM (LED sources) 3 Beam angle [°] (C0-C180) / (C90-C270) - 123,6° / 116° Protection against electric shock I Protection against electric shock I Protection degree Protection against electric shock I Protection degree Protection degree Protection degree Protection degree Protection degree Protection degree Voltage 220.240 ∨ 5060 Hz Lifetime of LED sources [h] 100000 (1) / 147000 (2) Lz/By Bower factor cos φ -0,95 Circuit load capacity 14 (B10), 24 (B16), 22 (C10), 36 (C16) Material polycarbonate Color RAL 9006 (grey) Diffuser PC-FROZEN (frozen polycarbonate) Impact resistant IK10		Index 19.3208.0003.21	
Luminous flux LED [lm]       2109         LED power [M]       11,2         Luminaire luminous flux [lm]       1932         Power of luminaire [M]       12,3         Luminaire flice flice [m]       3000         Color of the light [K]       3000         CRI       >80         SDCM (LED sources)       3         Beam angle [°]       (C0-C180) / (C90-C270) - 123,6° / 116°         Protection against electric shock       I         Protection degree       IP66         Voltage       220.240 V, 50.60 Hz         Lifetime of LED sources [h]       100000 (1) / 147000 (2)         Lx/By       L80/B10 (1) / L70/B10 (2)         Operating temperature range [°C]       -25 ÷ 40         Driver       DIM DALI (EDD)         Power factor cos φ       >0,95         Circuit load capacity       14 (B10), 24 (B16), 22 (C10), 36 (C16)         Material       polycarbonate         Color       RAL 9006 (grey)         Diffuser       PC-FROZEN (frozen polycarbonate)         Impact resistant       IK10			
Luminous flux LED [lm]       2109         LED power [M]       11,2         Luminaire luminous flux [lm]       1932         Power of luminaire [M]       12,3         Luminaire flice flice [m]       3000         Color of the light [K]       3000         CRI       >80         SDCM (LED sources)       3         Beam angle [°]       (C0-C180) / (C90-C270) - 123,6° / 116°         Protection against electric shock       I         Protection degree       IP66         Voltage       220.240 V, 50.60 Hz         Lifetime of LED sources [h]       100000 (1) / 147000 (2)         Lx/By       L80/B10 (1) / L70/B10 (2)         Operating temperature range [°C]       -25 ÷ 40         Driver       DIM DALI (EDD)         Power factor cos φ       >0,95         Circuit load capacity       14 (B10), 24 (B16), 22 (C10), 36 (C16)         Material       polycarbonate         Color       RAL 9006 (grey)         Diffuser       PC-FROZEN (frozen polycarbonate)         Impact resistant       IK10	Light and electrical data	Light source	LED
Luminaire luminous flux [im]       1932         Power of luminaire [W]       12,3         Luminaire's light efficiency [Im/W]       157,1         Color of the light [K]       3000         CRI       >80         SDCM (LED sources)       3         Beam angle [°]       (Co-C180) / (C90-C270) - 123,6° / 116°         Protection against electric shock       I         Protection against electric shock       I         Protection degree       IP66         Voltage       220240 V, 5060 Hz         Lifetime of LED sources [h]       100000 (1) / 147000 (2)         Lx/By       L80/B10 (1) / L70/B10 (2)         Operating temperature range [°C]       -25 ÷ 40         Driver       DIM DALI (EDD)         Power factor cos φ       >0,95         Circuit load capacity       14 (B10), 24 (B16), 22 (C10), 36 (C16)		Luminous flux LED [lm]	2109
Power of luminaire [W]       12,3         Luminaire's light efficiency [ImW]       157,1         Color of the light [K]       3000         CRI       >80         SDCM (LED sources)       3         Beam angle [°]       (C0-C180) / (C90-C270) - 123,6° / 116°         Protection against electric shock       I         Protection degree       IP66         Voltage       220.240 V, 50.60 Hz         Lifetime of LED sources [h]       100000 (1) / 147000 (2)         Lx/By       L80/B10 (1) / L70/B10 (2)         Operating temperature range [°C]       -25 ÷ 40         Driver       DIM DALI (EDD)         Power factor cos φ       >0,95         Circuit load capacity       14 (B10), 24 (B16), 22 (C10), 36 (C16)         Material       polycarbonate         Color       RAL 9006 (grey)         Diffuser       PC-FROZEN (frozen polycarbonate)         Impact resistant       IK10		LED power [W]	11,2
Luminaire's light efficiency [lm/W]       157,1         Color of the light [K]       3000         CRI       >80         SDCM (LED sources)       3         Beam angle [°]       (C0-C180) / (C90-C270) - 123,6° / 116°         Protection against electric shock       I         Protection degree       IP66         Voltage       220240 V, 5060 Hz         Lifetime of LED sources [h]       100000 (1) / 147000 (2)         Lx/By       L80/B10 (1) / L70/B10 (2)         Deprating temperature range [°C]       -25 ÷ 40         Driver       DIM DAL1 (EDD)         Power factor cos φ       >0,95         Circuit load capacity       14 (B10), 24 (B16), 22 (C10), 36 (C16)         Material       polycarbonate         Color       RAL 9006 (grey)         Diffuser       PC-FROZEN (frozen polycarbonate)         Impact resistant       IK10		Luminaire luminous flux [lm]	1932
Color of the light [K]       3000         CRI       >80         SDCM (LED sources)       3         Beam angle [°]       (C0-C180) / (C90-C270) - 123,6° / 116°         Protection against electric shock       I         Protection degree       IP66         Voltage       220240 V, 5060 Hz         Lifetime of LED sources [h]       100000 (1) / 147000 (2)         Lx/By       L80/B10 (1) / L70/B10 (2)         Operating temperature range [°C]       -25 ÷ 40         Driver       DIM DALI (EDD)         Power factor cos φ       >0,95         Circuit load capacity       14 (B10), 24 (B16), 22 (C10), 36 (C16)         Material       polycarbonate         Color       RAL 9006 (grey)         Diffuser       PC-FROZEN (frozen polycarbonate)         Impact resistant       IK10		Power of luminaire [W]	12,3
CRI       >80         SDCM (LED sources)       3         Beam angle [°]       (C0-C180) / (C90-C270) - 123,6° / 116°         Protection against electric shock       I         Protection degree       IP66         Voltage       220240 V, 5060 Hz         Lifetime of LED sources [h]       100000 (1) / 147000 (2)         Lx/By       L80/B10 (1) / L70/B10 (2)         Operating temperature range [°C]       -25 ÷ 40         Driver       DIM DALI (EDD)         Power factor cos φ       >0,95         Circuit load capacity       14 (B10), 24 (B16), 22 (C10), 36 (C16)    Material polycarbonate Color Color RAL 9006 (grey) Diffuser PC-FROZEN (frozen polycarbonate) Impact resistant IK10		Luminaire's light efficiency [lm.	/W] 157,1
SDCM (LED sources)       3         Beam angle [°]       (C0-C180) / (C90-C270) - 123,6° / 116°         Protection against electric shock       I         Protection degree       IP66         Voltage       220240 V, 5060 Hz         Lifetime of LED sources [h]       100000 (1) / 147000 (2)         LX/By       L80/B10 (1) / L70/B10 (2)         Operating temperature range [°C]       -25 ÷ 40         Driver       DIM DALI (EDD)         Power factor cos φ       >0,95         Circuit load capacity       14 (B10), 24 (B16), 22 (C10), 36 (C16)         Material       polycarbonate         Color       RAL 9006 (grey)         Diffuser       PC-FROZEN (frozen polycarbonate)         Impact resistant       IK10		Color of the light [K]	3000
Beam angle [°]       (C0-C180) / (C90-C270) - 123,6° / 116°         Protection against electric shock       I         Protection degree       IP66         Voltage       220240 V, 5060 Hz         Lifetime of LED sources [h]       100000 (1) / 147000 (2)         Lx/By       L80/B10 (1) / L70/B10 (2)         Operating temperature range [°C]       -25 ÷ 40         Driver       DIM DALI (EDD)         Power factor cos φ       >0,95         Circuit load capacity       14 (B10), 24 (B16), 22 (C10), 36 (C16)         Mechanical data       Assembly       directly mounted to ceiling construction or surface mounted on slings         Material       polycarbonate       Color       RAL 9006 (grey)         Diffuser       PC-FROZEN (frozen polycarbonate)       Impact resistant       IK10		CRI	>80
Protection against electric shock       I         Protection degree       IP66         Voltage       220240 V, 5060 Hz         Lifetime of LED sources [h]       100000 (1) / 147000 (2)         Lx/By       L80/B10 (1) / L70/B10 (2)         Derating temperature range [°C]       -25 ÷ 40         Driver       DIM DALI (EDD)         Power factor cos φ       >0,95         Circuit load capacity       14 (B10), 24 (B16), 22 (C10), 36 (C16)         Mechanical data       Assembly       directly mounted to ceiling construction or surface mounted on slings         Material       polycarbonate       Color       RAL 9006 (grey)         Diffuser       PC-FROZEN (frozen polycarbonate)       Impact resistant       IK10		SDCM (LED sources)	3
Protection degree       IP66         Voltage       220240 V, 5060 Hz         Lifetime of LED sources [h]       100000 (1) / 147000 (2)         Lx/By       L80/B10 (1) / L70/B10 (2)         Operating temperature range [°C]       -25 ÷ 40         Driver       DIM DALI (EDD)         Power factor cos φ       >0,95         Circuit load capacity       14 (B10), 24 (B16), 22 (C10), 36 (C16)         Mechanical data       Assembly       directly mounted to ceiling construction or surface mounted on slings         Material       polycarbonate       Color       RAL 9006 (grey)         Diffuser       PC-FROZEN (frozen polycarbonate)       Diffuser       PC-FROZEN (frozen polycarbonate)         Impact resistant       IK10       IK10       IK10		Beam angle [°]	(C0-C180) / (C90-C270) - 123,6° / 116°
Voltage       220240 V, 5060 Hz         Lifetime of LED sources [h]       100000 (1) / 147000 (2)         Lx/By       L80/B10 (1) / L70/B10 (2)         Operating temperature range [°C]       -25 ÷ 40         Driver       DIM DALI (EDD)         Power factor cos φ       >0,95         Circuit load capacity       14 (B10), 24 (B16), 22 (C10), 36 (C16)         Mechanical data       Assembly       directly mounted to ceiling construction or surface mounted on slings         Material       polycarbonate       Color       RAL 9006 (grey)         Diffuser       PC-FROZEN (frozen polycarbonate)       Impact resistant       IK10		Protection against electric sho	ck I
Lifetime of LED sources [h]100000 (1) / 147000 (2) $Lx/By$ L80/B10 (1) / L70/B10 (2)Operating temperature range [°C]-25 ÷ 40DriverDIM DALI (EDD)Power factor cos $\varphi$ >0,95Circuit load capacity14 (B10), 24 (B16), 22 (C10), 36 (C16)Mechanical dataAssemblydirectly mounted to ceiling construction or surface mounted on slingsMaterialpolycarbonateColorRAL 9006 (grey)DiffuserPC-FROZEN (frozen polycarbonate)Impact resistantIK10		Protection degree	IP66
Lx/By       L80/B10 (1) / L70/B10 (2)         Operating temperature range [°C]       -25 ÷ 40         Driver       DIM DALI (EDD)         Power factor cos φ       >0,95         Circuit load capacity       14 (B10), 24 (B16), 22 (C10), 36 (C16)         Mechanical data       Assembly       directly mounted to ceiling construction or surface mounted on slings         Material       polycarbonate       Color       RAL 9006 (grey)         Diffuser       PC-FROZEN (frozen polycarbonate)       Impact resistant         Impact resistant       IK10       IK10		Voltage	220240 V, 5060 Hz
Operating temperature range [°C]       -25 ÷ 40         Driver       DIM DALI (EDD)         Power factor cos φ       >0,95         Circuit load capacity       14 (B10), 24 (B16), 22 (C10), 36 (C16)         Mechanical data       Assembly       directly mounted to ceiling construction or surface mounted on slings         Material       polycarbonate       Color       RAL 9006 (grey)         Diffuser       PC-FROZEN (frozen polycarbonate)       Impact resistant		Lifetime of LED sources [h]	100000 (1) / 147000 (2)
Driver       DIM DALI (EDD)         Power factor cos φ       >0,95         Circuit load capacity       14 (B10), 24 (B16), 22 (C10), 36 (C16)         Mechanical data       Assembly         Material       polycarbonate         Color       RAL 9006 (grey)         Diffuser       PC-FROZEN (frozen polycarbonate)         Impact resistant       IK10		Lx/By	L80/B10 (1) / L70/B10 (2)
Power factor cos φ       >0,95         Circuit load capacity       14 (B10), 24 (B16), 22 (C10), 36 (C16)         Mechanical data       Assembly       directly mounted to ceiling construction or surface mounted on slings         Material       polycarbonate         Color       RAL 9006 (grey)         Diffuser       PC-FROZEN (frozen polycarbonate)         Impact resistant       IK10		Operating temperature range	[°C] -25 ÷ 40
Circuit load capacity       14 (B10), 24 (B16), 22 (C10), 36 (C16)         Mechanical data       Assembly       directly mounted to ceiling construction or surface mounted on slings         Material       polycarbonate         Color       RAL 9006 (grey)         Diffuser       PC-FROZEN (frozen polycarbonate)         Impact resistant       IK10		Driver	DIM DALI (EDD)
Mechanical data       Assembly       directly mounted to ceiling construction or surface mounted on slings         Material       polycarbonate         Color       RAL 9006 (grey)         Diffuser       PC-FROZEN (frozen polycarbonate)         Impact resistant       IK10		Power factor $\cos \phi$	>0,95
Surface mounted on slings       Material       Color       RAL 9006 (grey)       Diffuser       PC-FROZEN (frozen polycarbonate)       Impact resistant       IK10		Circuit load capacity	14 (B10), 24 (B16), 22 (C10), 36 (C16)
Color RAL 9006 (grey) Diffuser PC-FROZEN (frozen polycarbonate) Impact resistant IK10	Mechanical data	Assembly	directly mounted to ceiling construction or surface mounted on slings
Diffuser PC-FROZEN (frozen polycarbonate) Impact resistant IK10		Material	polycarbonate
Diffuser     PC-FROZEN (frozen polycarbonate)       Impact resistant     IK10		Color	RAL 9006 (grey)
		Diffuser	PC-FROZEN (frozen polycarbonate)
B A Dimensions [mm] 620 x 72 x 60		Impact resistant	IK10
		Dimensions [mm]	620 x 72 x 60



## A graph of light



Luminous flux tolerance +/- 10%. Power tolerance +/- 10%. Technical data may be changed. Photos of the luminaires may differ from reality. Date of last update: 23-12-2022