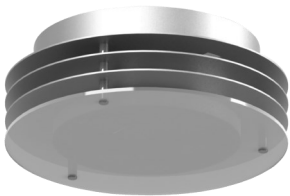


Votan

Surface Mounted Ambient Fixture

V20180314

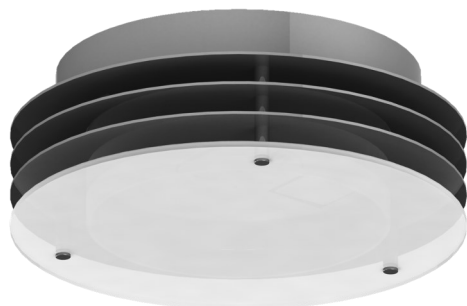


VNSM
Surface Mount Fixture for
Amenity Areas

- ✓ Equivalent illumination to 28W 2D or 2x 26W TC-D luminaires
- ✓ High power ambient fixture
- ✓ Excellent efficacy of up to 122 luminaire lumens per circuit Watt
- ✓ Up to 2833 delivered lumens
- ✓ Integral emergency options & sensors available
- ✓ Dimming versions available

Votan

Surface Mounted Ambient Fixture



Overview:

- ✓ Integral non-dimmable or dimmable driver
- ✓ Integral emergency options and sensors available
- ✓ Efficacy of up to 122 luminaire lumens per circuit Watt
- ✓ Up to 2833 delivered lumens

Finish(es): Matt Silver (MS)

Option(s): Non-Self Test Emergency (-E),
Self Test & DALI Addressable Emergency (-D)
Integral Microwave Sensor (-M)

NB (Emergency Options):
Options not available for ChromaWhite2.0™ light engines, please use standalone emergency luminaires.
Adjustable versions will be mechanically locked at factory.
For emergency BLF %, please see our Emergency Pack Data Sheets.

Optic Options:

Type	Angle	Code	LOR	Notes
Diffuser	100°	/VW	81	1

NB (Optics):
Beam angle is measured half value.
1 is Osprey light engines only.

Light Engines:

Name	Code	Performance
Osprey 1 1800	/OP1-1800	See Light Engine Data Sheet
Osprey 1 2500	/OP1-2500	See Light Engine Data Sheet
Osprey 1 3500	/OP1-3500	See Light Engine Data Sheet

NB (Light Engines):
Performance may vary depending upon luminaire bezel choice and accessory.
All figures +/- 10% and specified at 25 °C ambient unless stated.
CRI shift at 6000 hours remains within 3 points of the rated CRI.

Order Codes:

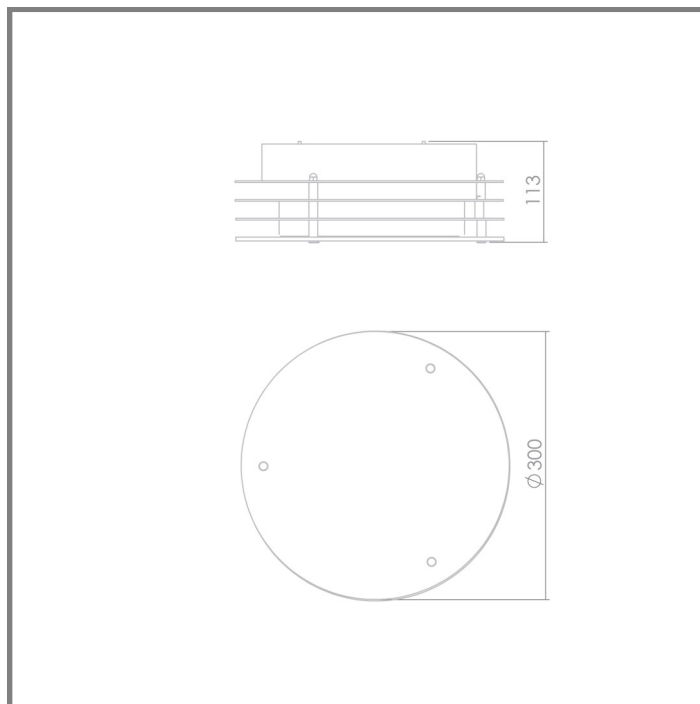
e.g. VNSMMS/OP1-2500-840/VW/AND

Product	Finish	Light Engine—Lumens	Photometric Code	Beam	Drivers	Options
VNSM	MS	/OP1-1800	-827 -830 -840	/VW	/AND /ATD /A10 /ADL /ODV	-E -D
		/OP1-2500	-827 -830 -840	/VW	/AND /ATD /A10 /ADL /ODV	-E -D
		/OP1-3500	-827 -830 -840	/VW	/AND /ATD /A10 /ADL /ODV	-E -D

NB: (Drivers)
Recommended driver, Power factor >0.9, see driver data sheets for full data.
Please check with the PhotonStar™ sales team for compatible dimmers.
Only use shielded CAT6e cable with DMX drivers/controllers.
ChromaWhite2.0™ DMX controllers require a low voltage PSU.

Technical Drawing:

Weight: 1700g



NB (Technical Drawing):
All dimensions in mm. Weight excludes driver.

Osprey

High Output, High Efficiency Replacement for CFL



All data is at colour temperature 4000K, CRI Ra80 (photometric code: 840).

Also available as 'Standard' in 3000K, CRI Ra80 (photometric code: 830); and 2700K, CRI Ra80 (photometric code: 827).

'Special Order' also available in 2700K, Ra90; 3000K, Ra90; 4000K, Ra90. Contact our sales team for more information.

V20180314

Performance Data:		Osprey 1800	Osprey 2500	Osprey 3500		
Description						
Order Code		OP1-1800	OP1-2500	OP1-3500		
Equivalence						
Light Engine Power (W)		9.8W	14.1W	20.5W		
Source Lumens (lm)		1846 lm	2552 lm	3497 lm		
CRI		80	80	80		
CCT (K)		4000K	4000K	4000K		
Source Efficiency (lm/W)		167 lm/W	160 lm/W	151 lm/W		
Number of Channels		1	1	1		
Voltage (V)		19.6V	20.1V	20.5V		
Current (mA)		500mA	700mA	1000mA		
Optic		Diffuse	Diffuse / Reflector	Diffuse / Reflector		
Beam Angle Options & (Code)*		60° (WF)	60° (WF)	60° (WF)		
		-	-	-		
		-	-	-		
		-	-	-		
		-	-	-		
Board Manufacturer		PhotonStar™	PhotonStar™	PhotonStar™		
LED Chip Type		Lumileds 3535 HE	Lumileds 3535 HE	Lumileds 3535 HE		
Initial/Maintained SDCM		<3 / <3	<3 / <3	<3 / <3		
Rated Life (L70F10)		50,000 hrs	45,000 hrs	40,000 hrs		
Lumen Maint. Cat.		Cat 1 / Code 9	Cat 1 / Code 9	Cat 1 / Code 9		
Order Code Example		NSLGMWOP1800-840/WF/AND	NSLGMWOP12500-840/WF/AND	NSLGMWOP13500-840/WF/AND		
Luminaire Example		NSLG 840 60deg	NSLG 840 60deg	NSLG 840 60deg		
System Power (SysW)**		12.3W	17.6W	25.6W		
Delivered Lumens (llm)		1625 llm	2246 llm	3077 llm		
Delivered Efficacy (llm/cW)		133 llm/cW	127 llm/cW	120 llm/cW		
Driver & Controller Options * (Code)**		None (/ODV)	None (/ODV)	None (/ODV)		
		Non-Dim (/AND)	Non-Dim (/AND)	Non-Dim (/AND)		
		Trailing Edge Dim (/ATD) †	Trailing Edge Dim (/ATD) †	Trailing Edge Dim (/ATD) †		
		1-10V Dim (/A10) †	1-10V Dim (/A10) †	1-10V Dim (/A10) †		
		DALI (/ADL)	DALI (/ADL)	DALI (/ADL)		
		-	-	-		
		-	-	-		
Emergency Output factor EOFI / BLF		25.60%	19.00%	12.10%		

NB: All figures +/- 10% and specified at 25°C ambient unless stated. Data in grey is indicative.
CRI shift at 6000 hours remains within 3 points of the rated CRI.
Power factor > 0.9, see driver data sheet for full data.

* Measured, half value angle (/code). ** with recommended driver.
† Please check with PhotonStar sales team for compatible dimmers.
Only use shielded CAT6e cable. ChromaWhite2.0™ light engine controllers require low voltage PSU.

Lumen Adjustment Factor for CCT Across Tuning Range:

	Photometric Code:	827	830	840	865	927	930	940	965	-
	Conversion Factor:	0.86	0.88	1.00	-	-	-	-	-	-

Available in the Following Luminaires:

✓ Nemesis

✓ Votan

✓ Muro

