

Lighting: Fluorescent Lighting Fixture, DNGV Series



A QUALITY PRODUCT

**Flameproof
Zone 1 & 2 – 21 & 22**

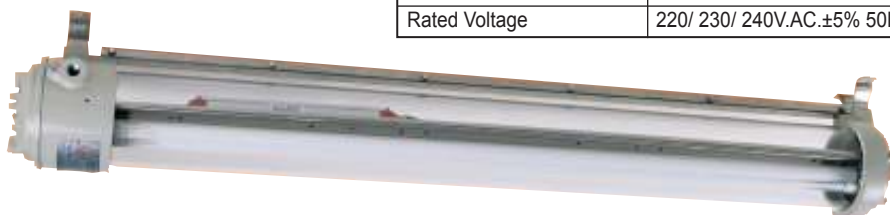
Specification

- Body material : Marine grade copper-free aluminium alloy with polyester powder coated, RAL 7032 (Grey)
- Tube : Borosilicate glass
- Internal reflector : Stainless steel
- Sealing gasket : Silicone -40 °C to +175 °C



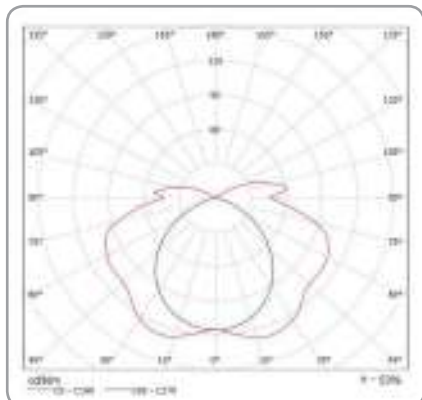
Technical Data

Hazardous Area	Gas	Dust
Zones	1 & 2	21 & 22
Conforming to ATEX	II 2G	II 2D
Symbol of Protection ATEX	Ex d IIB (Ex db IIB Gb)	Ex td A21 (Ex tb IIIC Db)
Symbol of Protection IEC		
ATEX Certificate	PTB 08 ATEX 1018	
IEC Certificate	IECEx PTB 08.0014	
Standard	ATEX Directive 2014/34/EU, std. EN 60079-0:2006, EN 60079-1:2004, EN 61241-0:2006, EN 61241-1:2004, IECEx Scheme, std. IEC 60079-0:2004, IEC 60079-1:2004, IEC 61241-0:2004, IEC 61241-1:2004	
Ambient Temperature	-20 °C to +55 °C	
Index of Protection	IP66	
Entries	2 - M25x1.5 or 2 - Ø3/4" NPT (1-plug)	
Mounting	Ceiling or horizontal mounting (standard) (Optional mounting provided with 2 x M10 eye bolts, clamps for, Ø2 inch pipe, or bracket)	
Connection	L, N and E ; for 1-4mm. ² cable (socket terminal)	
Rated Voltage	220/ 230/ 240V.AC.±5% 50Hz.	

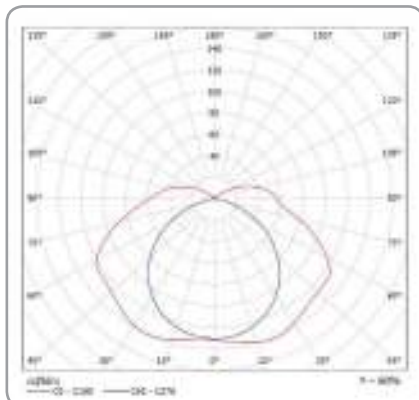


F

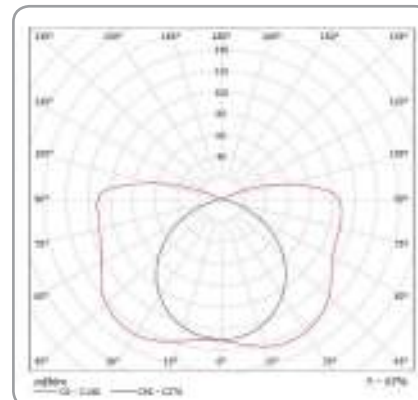
Polar curve for DNGV-2184



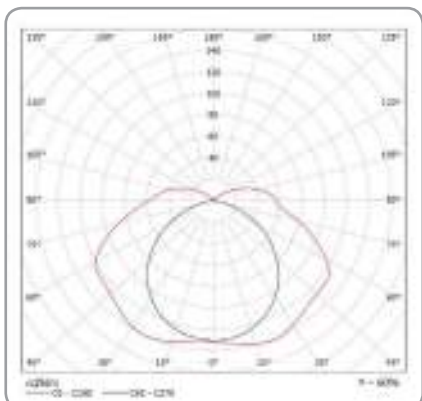
Polar curve for DNGV-2284



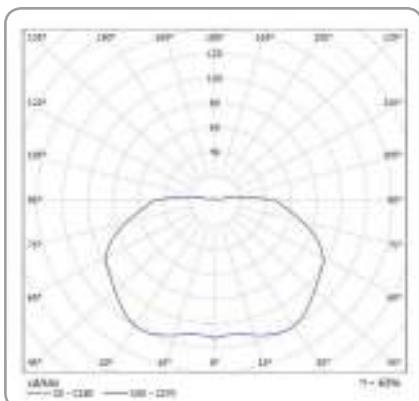
Polar curve for DNGV-1364



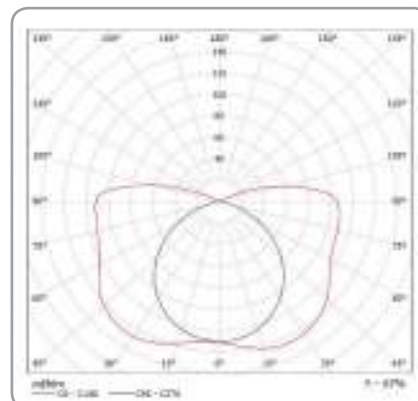
Polar curve for DNGV-2364



Polar curve for DNGV-1144R



Polar curve for DNGV-1284

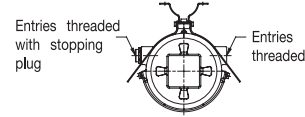
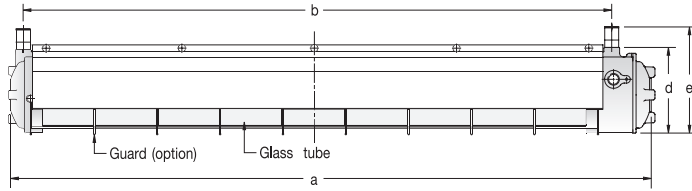


Lighting: Fluorescent Lighting Fixture, DNGV Series



Flameproof
Zone 1 & 2 – 21 & 22

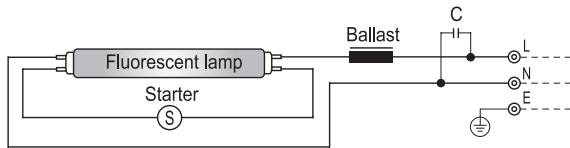
Dimension



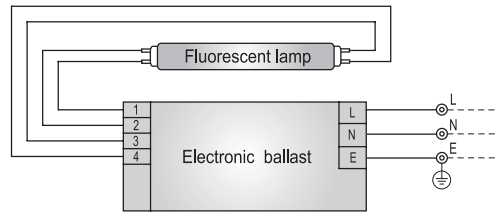
Lamp Watt	Dimension in mm.					Volume (dm ³)
	a	b	c	d	e	
1 x 18W. or 1 x 14W.	759	657	163	184	228	17.09
2 x 18W. or 2 x 14W.	759	657	163	184	228	17.09
1 x 36W. or 1 x 28W.	1377	1275	163	184	228	19.25
2 x 36W. or 2 x 28W.	1377	1275	163	184	228	19.25

Wiring Diagram

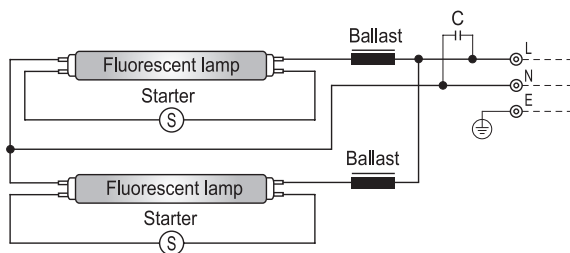
Electromagnetic ballast for fluorescent lamp; 1x14W., 1 x 28W., 1 x 18W. and 1 x 36W.



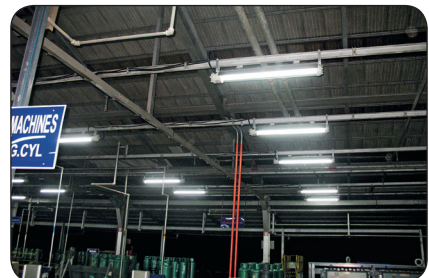
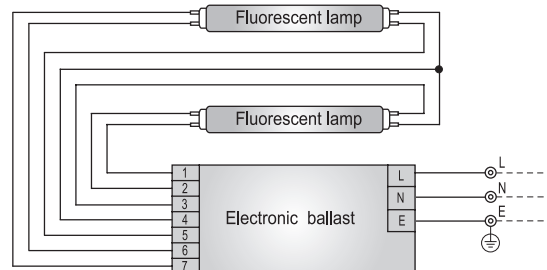
Electronic ballast (Econowatt) for fluorescent lamp; 1 x 14W., 1 x 28W., 1 x 18W. and 1 x 36W.



Electromagnetic ballast for fluorescent lamp; 2x14W., 2 x 28W., 2 x 18W. and 2 x 36W.



Electronic ballast (Econowatt) for fluorescent lamp; 2 x 14W., 2 x 28W., 2 x 18W. and 2 x 36W.

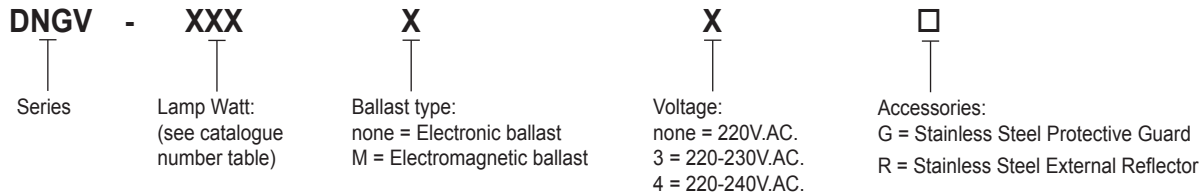


Lighting: Fluorescent Lighting Fixture, DNGV Series



Flameproof Zone 1 & 2 – 21 & 22

Catalogue Number



T8 Fluorescent Lamp

Lamp Watt	Voltage	Cat. No.	Ballast		Temp. Class (for zone 1, 2)			Max. Surface Temp* (for zone 21, 22)		Approx. Weight (kgs.)
			Type	Brand	Ta 40 °C	Ta 55 °C	Ta 40 °C	Ta 55 °C		
1 x 18W.	220V.AC.	DNGV-118M □	Electromagnetic	Philips	T5	T4	T100 °C	T135 °C	9.10	
2 x 18W.	50Hz.	DNGV-218M □			T5	T4	T100 °C	T135 °C	9.35	
1 x 36W.		DNGV-136M □			T6	T5	T85 °C	T100 °C	15.09	
2 x 36W.		DNGV-236M □			T6	T5	T85 °C	T100 °C	15.55	
1 x 18W.	220V.AC.	DNGV-118M □	Electromagnetic	Vossloh-Schwabe	T5	T4	T100 °C	T135 °C	9.10	
2 x 18W.	50Hz.	DNGV-218M □			T4	T4	T135 °C	T135 °C	9.35	
1 x 36W.		DNGV-136M □			T4	T4	T135 °C	T135 °C	15.09	
2 x 36W.		DNGV-236M □			T4	T4	T135 °C	T135 °C	15.55	
1 x 18W.	240V.AC.	DNGV-118M4 □	Electromagnetic	Vossloh-Schwabe	T4	T4	T135 °C	T135 °C	9.10	
2 x 18W.	50Hz.	DNGV-218M4 □			T4	T4	T135 °C	T135 °C	9.35	
1 x 36W.		DNGV-136M4 □			T5	T4	T100 °C	T135 °C	15.09	
2 x 36W.		DNGV-236M4 □			T5	T4	T100 °C	T135 °C	15.55	
1 x 18W.	220V.AC.	DNGV-118 □	Electronic	Econowatt	T6	T6	T85 °C	T85 °C	9.10	
2 x 18W.	50Hz.	DNGV-218 □		(Industrial Nuvo)	T6	T6	T85 °C	T85 °C	9.35	
1 x 36W.		DNGV-136 □			T6	T6	T85 °C	T85 °C	15.09	
2 x 36W.		DNGV-236 □			T6	T6	T85 °C	T85 °C	15.55	
1 x 18W.	240V.AC.	DNGV-1184 □	Electronic	Econowatt	T6	T6	T85 °C	T85 °C	9.10	
2 x 18W.	50Hz.	DNGV-2184 □		(Premium)	T6	T6	T85 °C	T85 °C	9.35	
1 x 36W.		DNGV-1364 □			T6	T6	T85 °C	T85 °C	15.09	
2 x 36W.		DNGV-2364 □			T6	T6	T85 °C	T85 °C	15.55	

T5 Fluorescent Lamp

Lamp Watt	Voltage	Cat. No.	Ballast		Temp. Class (for zone 1, 2)			Max. Surface Temp* (for zone 21, 22)			Approx. Weight (kgs.)
			Type	Brand	Ta 40 °C	Ta 50 °C	Ta 55 °C	Ta 40 °C	Ta 50 °C	Ta 55 °C	
1 x 14W.	220-240V.	DNGV-1144 □	Electronic	Econowatt	T6	T6	-	T85 °C	T85 °C	-	12.09
2 x 14W.	50/60Hz.	DNGV-2144 □		(Slim)							12.28
1 x 28W.		DNGV-1284 □									15.45
2 x 28W.		DNGV-2284 □									16.05
1 x 14W.	220-240V.	DNGV-1144 □	Electronic	Vossloh-Schwabe	T6	-	T6	T85 °C	-	T85 °C	12.09
2 x 14W.	50/60Hz.	DNGV-2144 □		(ELXc)							12.28
1 x 28W.		DNGV-1284 □									15.45
2 x 28W.		DNGV-2284 □									16.05
1 x 14W.	220-230V.	DNGV-1143 □	Electronic	Philips	T6	T6	-	T85 °C	T85 °C	-	12.09
2 x 14W.	50Hz.	DNGV-2143 □		(EB-E)							12.28
1 x 28W.		DNGV-1283 □									15.45
2 x 28W.		DNGV-2283 □									16.05

Remark * : The maximum surface temperatures are specified for dust free condition. The dust layer which may cover around the lighting fixture will cause to higher surface temperature.

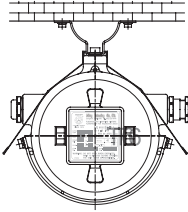
Lighting: Fluorescent Lighting Fixture, DNGV Series



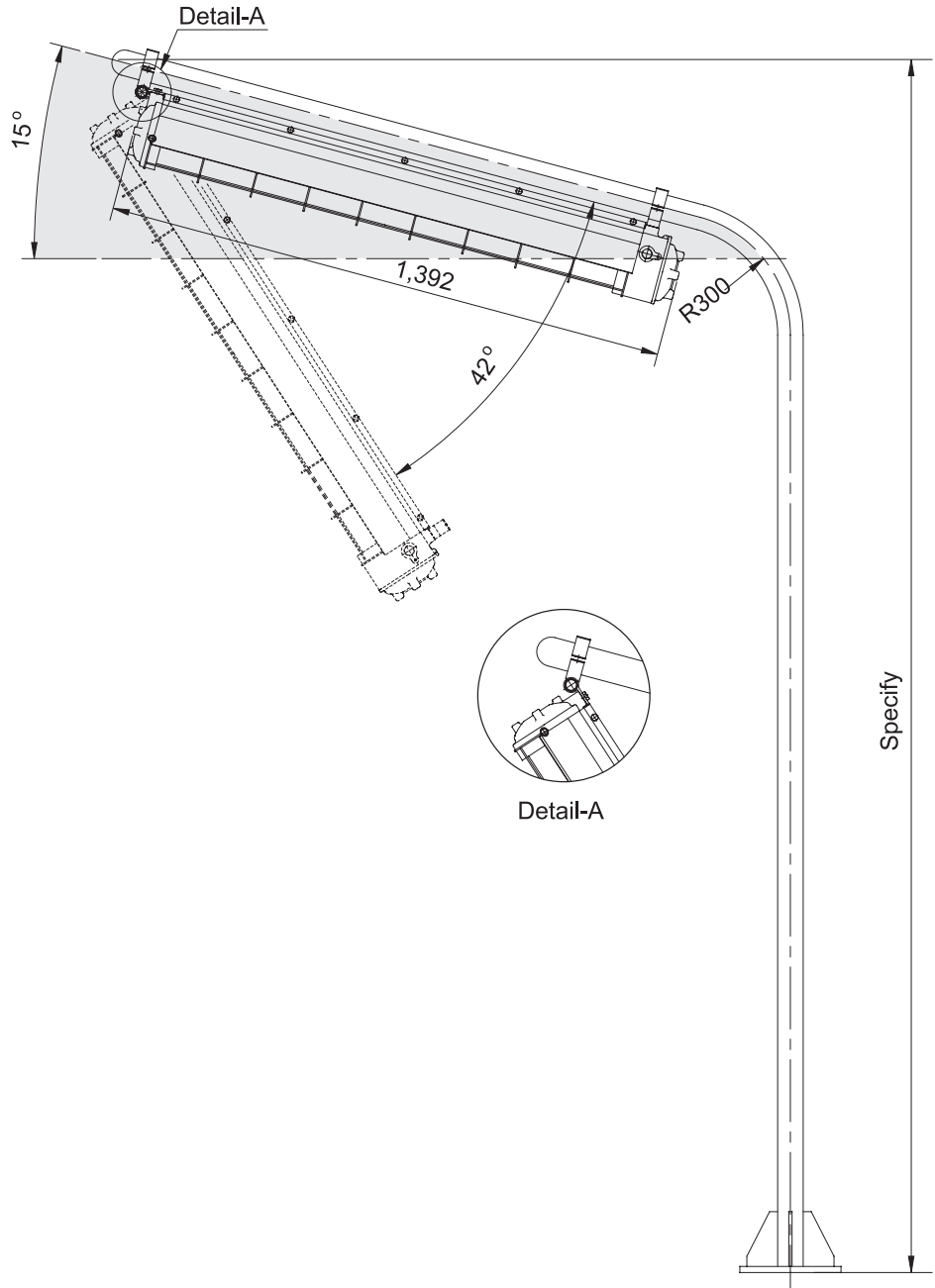
Flameproof
Zone 1 & 2 – 21 & 22

Installation Information

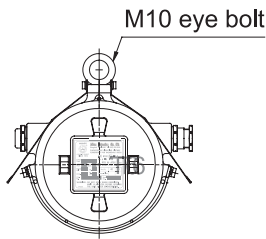
Ceiling Mounting



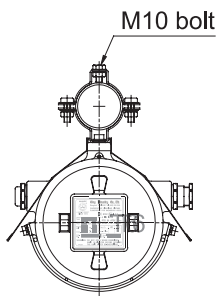
Pole Mounting



Hook-Pendant Mounting



Stanchion/Pole Mounting



Bracket Mounting

