



Pendant Incandescent



Pendant Fluorescent



Ceiling Incandescent



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See page L15 for NVP Series with Lexan® Globes

Class I, Div. 2, Groups A,B,C,D
Class I, Zone 2, Groups IIC, IIB, IIA
Class II, Div. 2, Groups F,G
Class III
Marine
NEMA 3, 4, 4X, IP66

Certified - File LR11713

ABS Type Approval

FEATURES-SPECIFICATIONS

ENVIRORITE® II

Applications

Designed specifically for corrosive & wet NEMA 4X and hazardous environments. Typical applications include manufacturing plants, chemical and petrochemical processing facilities, sewage treatment plants, off-shore and dockside installations, agricultural, commercial/industrial, mining and marine facilities.

Features

- NV2 Series non-metallic light fixtures combine an outstanding balance of strength, stiffness, toughness and electrical properties
- Energy and labor saving fluorescent or incandescent models
- Accessories include polycarbonate dome reflectors and wall extension
- Molded from 30% glass-filled thermoset polyester for high strength
- Resists corrosive effects of most chemicals, hydrocarbons and solvents
- Designed for indoor and outdoor, globe down applications.

to the following standards:

- UL 1598 Standard for luminaires
- UL 1598A Marine type luminaires
- UL 844 Standard for lighting fixtures for hazardous locations
- CSA C22.2 no. 137-M1981 electric luminaires for use in hazardous locations
- Enclosed and gasketed
- NEMA 3, 4X, IP66



Pendant 3/4" Fixture w/clear Globe & Guard*		
Type	Standard Globe	Tempered Globe
150A Incan.	NV2IG15ASG	NV2IG15AHG
13 W Fluor.	NV2FG13ASG	NV2FG13AHG
18 W Fluor.	NV2FG18ASG	NV2FG18AHG
26 W Fluor.	NV2FG26ASG	NV2FG26AHG
32 W Fluor.	NV2FG32ASG	NV2FG32AHG
42 W Fluor.	NV2FG42ASG	NV2FG42AHG

Ceiling 3/4" Fixture w/clear Globe & Guard*		
Type	Standard Globe	Tempered Globe
150A Incan.	NV2IG15XSG	NV2IG15XHG
13 W Fluor.	NV2FG13XSG	NV2FG13XHG
18 W Fluor.	NV2FG18XSG	NV2FG18XHG
26 W Fluor.	NV2FG26XSG	NV2FG26XHG
32 W Fluor.	NV2FG32XSG	NV2FG32XHG
42 W Fluor.	NV2FG42XSG	NV2FG42XHG

Wall 3/4" Fixture w/clear Globe & Guard*		
Type	Standard Globe	Tempered Globe
150A Incan.	NV2IG15BSG	NV2IG15BHG
13 W Fluor.	NV2FG13BSG	NV2FG13BHG
18 W Fluor.	NV2FG18BSG	NV2FG18BHG
26 W Fluor.	NV2FG26BSG	NV2FG26BHG
32 W Fluor.	NV2FG32BSG	NV2FG32BHG
42 W Fluor.	NV2FG42BSG	NV2FG42BHG

***Notes:**

- Tempered Globes are required for Wet Location applications
- All assemblies are unit packed with required components (not assembled)
- **Fluorescent unit pack models (only) include the lamp**
- Reflector is sold separately. For wall mounting with reflector, the NVEXTG extension is required and sold separately
- Fluorescent models use "world voltage" ballasts for 120VAC through 277VAC 50/60Hz applications
- Incandescent models 277VAC max.
- For M20 ceiling units change "X" in part # to "M". For wall units change "B" to "W". M20 Pendant not available.

Colored Globe Options**

Example: NV2IG15ASG-R for Ruby Standard Globe or NV2IG15AHG-R for Ruby Tempered Globe

Suffix and available combinations		
Color	Standard Globe	Tempered Globe
Amber	A	A
Blue	B	B
Ruby	R	R
Green	G	NA
Purple	P	NA
Blue-Green	BG	BG

**Tempered globes are required for wet locations.

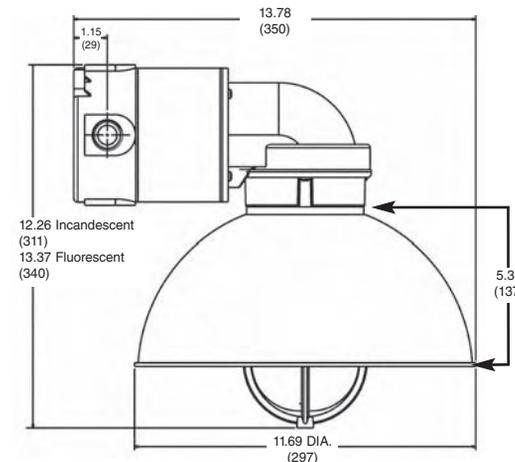
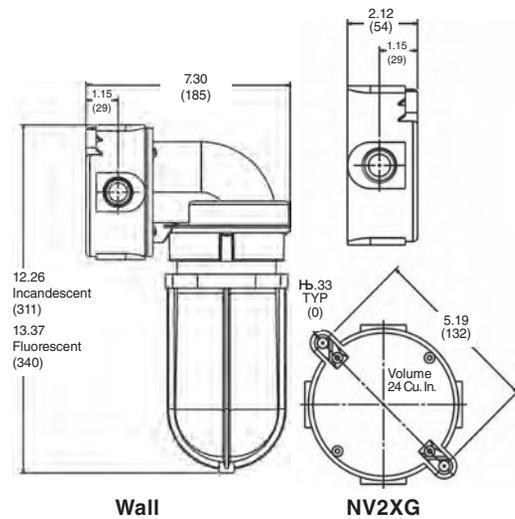
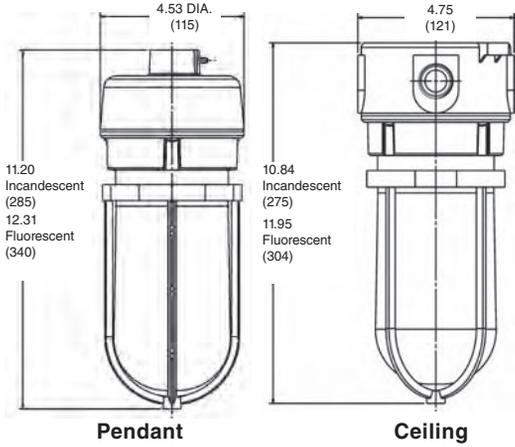
T-codes @ 40°C Max; with or without Reflector						
Globe Type	Class I Div.2		Class II Div.2		Minimum Start	
	Clear	Color	Clear	Color	°C	°F
75A	T2C	T2B	T3C	-	-	-
100A	T2A	T2	T3C	-	-	-
150A	T2B	T2	-	-	-	-
13 Fluor	T3C	T3C	T4A	T4A	-20	-4
18 Fluor	T3C	T3C	T4A	T4A	-20	-4
26 Fluor	T3B	T3A	T4A	T4A	-20	-4
32 Fluor	T3B	T3A	T4A	T4A	-20	-4
42 Fluor	T2D	T2C	T4A	T4A	-20	-4

Min. supply wire Fluor. 60° C, Incan. 90° C

Fluorescent Operating Max. Amps		
Type	120 VAC	277 VAC
13W Fluor	.144	.067
18W Fluor	.158	.073
26W Fluor	.22	.097
32W Fluor	.285	.128
42W Fluor	.38	.166



Dimensions*



Wall mount with optional reflector and with extension. Extension required only for wall mount units using reflector.

*NOTE: Dimensional diagrams show incandescent models, but include height also for fluorescent.

NV To NV2 Cross Reference

OLD	NEW#	NEW DESCRIPTION
Complete Fixtures		
NVA15GG	NV2G15ASG	INC 150W PEND STD GLOBE/GRD
NVA15GHG	NV2G15AHG	INC 150W PEND TEMPER GLB/GRD
NVX15GG	NV2G15XSG	INC 150W CEIL STD GLOBE/GRD
NVX15GHG	NV2G15XHG	INC 150W CEIL TEMPER GLB/GRD
NVB15GG	NV2G15BSG	INC 150W WALL STD GLOBE/GRD
NVB15GHG	NV2G15BHG	INC 150W WALL TEMPER GLB/GRD
NVQA18GG	NV2FG18ASG	FL18 120-277 PEND STD GLOB/GRD
NVQA18GHG	NV2FG18AHG	FL18 120-277 PEND TEM GLOB/GRD
NVQX18GG	NV2FG18XSG	FL18 120-277 CEIL STD GLOB/GRD
NVQX18GHG	NV2FG18XHG	FL18 120-277 CEIL TEM GLB/GRD
NVQB18GG	NV2FG18BSG	FL18 120-277 WALL STD GLOB/GRD
NVQB18GHG	NV2FG18BHG	FL18 120-277 WALL TEM GLOB/GRD

Components

NVA	NV2AG	3/4" Pendant
NVX	NV2XG	3/4" Ceiling (Wall) Box
NVB	NV2BG	Elbow, use with Ceiling Box
NVQFC	NV2FG18	Fluorescent Body 120-277VAC 50/60Hz
NVQFC184 (1)	NV2FG18	Fluorescent Body 120-277VAC 50/60Hz
NVFC	NV2G15	Incandescent Body
NVFC-LT (2)	NV2G15	Incandescent Body
NVG	NV2GG	Guard
NVQ-18	MQL18	18W Compact Fluor. Lamp
NVBC	NV2CG	Blank Cover w/Two Gaskets
NVSG	NV2CG	Use Blank Cover's extra gasket

- (1) "4" for 277VAC Fluorescent no longer required
- (2) Insulated socket incandescent no longer needed for 90c wire

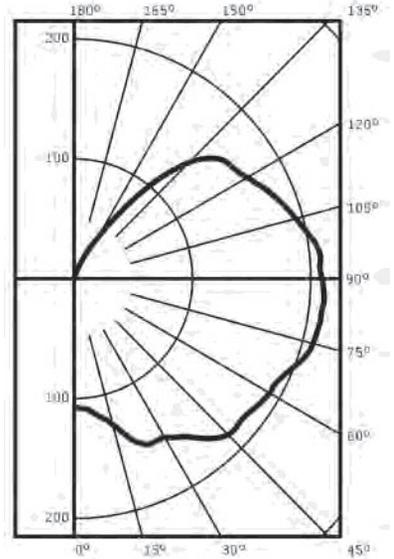
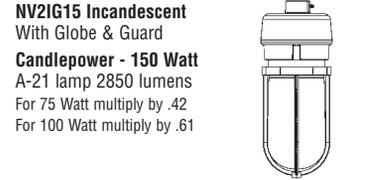
Key New Features:

- Certified for Hostile Locations: Class I Div 2; Class II Div 2; N4X; IP66
- ABS Approval
- 120-277VAC 50/60Hz World Voltage Ballasts on Fluorescents
- Four new Fluorescent Wattages: 13, 26, 32, 42
- Only 90° C wire for Incandescent suitable for Marine with 150A
- New Dome Reflector
- Colored "100" Series globes can be ordered in assemblies
- M20 Metric ceiling/wall box
- Four 10-32 bosses in ceiling box for user applications
- Clear Blank covers available for user applications

Backward Compatibility:

- NVG & NV2GG are interchangeable
- Globes are interchangeable
- Old NV Incandescent and Fluorescent bodies will fit new NV2 Boxes and Elbow, but assembly is Wet Location listed only
- New NV2G15 Incandescent will fit old NV Boxes and Elbow
- New NV2FGx Fluorescent will fit old NVX box, not pendant or elbow
- Reflectors will fit old bodies for pendant or ceiling applications

Photometrics



ZONAL LUMEN SUMMARY			
ZONE	LUMENS	%LAMP	%FIXT
0-30	117	4.1	5.6
0-40	219	7.7	10.5
0-50	528	18.5	25.3
0-90	1172	41.1	56.1
90-120	608	21.3	29.1
90-130	754	26.5	36.1
90-150	903	31.7	43.3
90-180	915	32.1	43.9
0-180	2997	73.2	100.0
TOTAL LUMINAIRE EFFICIENCY =			73.2 %

COEFFICIENTS OF UTILIZATION – ZONAL CAVITY METHOD

% EFFECTIVE FLOOR CAVITY REFLECTANCE 0.20	80					70					50					30					10					0				
	70	50	30	10	0	70	50	30	10	0	50	30	10	0	50	30	10	0	50	30	10	0	50	30	10	0				
% WALL REFLECTANCE 1w	70	50	30	10	0	70	50	30	10	0	50	30	10	0	50	30	10	0	50	30	10	0	50	30	10	0				
ROOM CAVITY RATIO RCRW	20% Effective Floor Cavity Reflectance																													
0	79	79	79	79	74	74	74	74	74	64	64	64	64	54	54	54	45	45	45	41	41	41	41	41						
1	69	64	59	55	63	59	55	51	50	47	44	41	39	37	34	32	30	26	26	26	26	26	26	26						
2	61	53	47	42	56	49	44	39	41	37	33	34	31	28	27	25	23	19	19	19	19	19	19	19						
3	55	46	39	33	50	42	36	31	35	30	26	29	25	22	23	20	18	14	14	14	14	14	14	14						
4	49	40	33	27	45	37	30	25	31	26	21	25	21	18	20	17	14	11	11	11	11	11	11	11						
5	45	35	28	23	41	33	26	21	27	22	18	22	18	15	18	14	12	09	09	09	09	09	09	09						
6	41	31	24	19	38	29	22	18	24	19	15	20	16	12	16	12	10	08	08	08	08	08	08	08						
7	38	28	21	16	35	26	20	15	22	17	13	18	14	11	14	11	08	06	06	06	06	06	06	06						
8	35	25	19	14	32	23	17	13	20	15	11	16	12	09	13	10	07	06	06	06	06	06	06	06						
9	33	23	17	12	30	21	15	12	18	13	10	15	11	08	12	09	06	05	05	05	05	05	05	05						
10	30	21	15	11	28	19	14	10	16	12	09	14	10	07	11	08	06	04	04	04	04	04	04	04						

SPACING CRITERION = 2.3
 TEST NO. 1716

