

Lighting: H.I.D. (High Intensity Discharge) Lighting Fixture, NMV, NPS, NMH, NMT Series



Restricted Breathing and Dust protection by enclosure

Zone 2 – 21 & 22

Specification

- Body material : Marine grade copper-free aluminium alloy with polyester powder coated, RAL 7032 (grey)
- Glass globe : Borosilicate glass
- Guard : Stainless steel
- Sealing gasket : Silicone



Ceiling mounting



Pendant mounting



Stanchion mounting



Bracket mounting

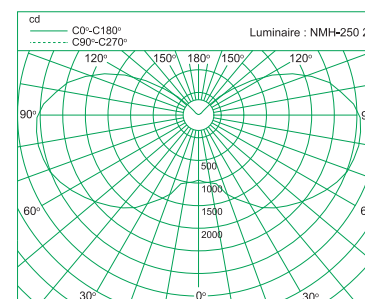
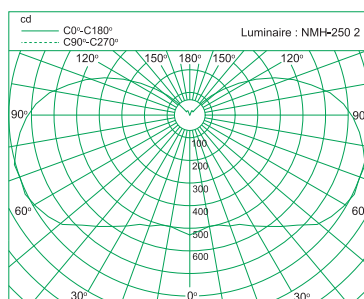
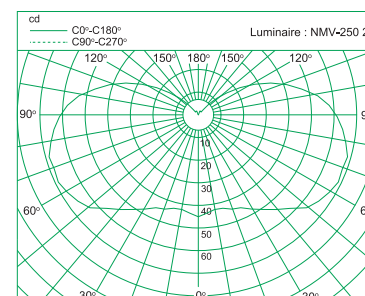
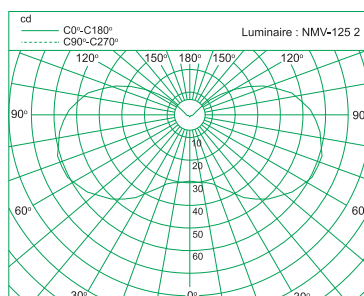
Technical Data

Hazardous Area	Gas	Dust
Zones	2	21 & 22
Conforming to ATEX	Ex nR IIC T** Gc	Ex tb IIIC T** °C Db IP66
Symbol of Protection ATEX	Ex nR IIC T** Gc	Ex tb IIIC T** °C Db IP66
ATEX Certificate	TÜV CY 18 ATEX	
Compliance with	Equipment and protective systems intended for use in potentially explosive atmospheres, Directive 2014/34/EU	
Standards	EN 60079-0:2012+A11:2013, EN 60079-15:2010, EN 60079-31:2014, EN 60598-1:2015	
Ambient Temperature	-20°C to +55°C	
Index of Protection	IP66	
Mounting	Ceiling, Pendant, Stanchion and Bracket mounting	
Connection	L, N and E ; for 1-4mm. ² cable (Through wiring system with an extra terminal block for cable connection at both ends.)	
Rated Voltage	220-230V.ac ±5% 50Hz.	

** See temperature class on catalogue number table.



Polar Luminous Intensity Distribution



Complete photometrics, please contact us.

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Catalogue Number Logic

Series	Lamp Watt (see catalogue number table)	Voltage	Accessories	Mounting	Entries
N ■ ■ ■	■ ■ ■ ■	■	■	■	■
NMV Mercury Vapor		2 220V.ac 50Hz.	R Reflector	C Ceiling	M2 M25x1.5
NPS High Pressure Sodium		3 230V.ac 50Hz.		P Pendant	N2 Ø3/4" NPT
NMH Metal Halide		4 220/230V.ac 50Hz.		S Stanchion	
NMT Mercury Tungsten				B Bracket	

Ordering Requirements

Cat. No.	Lamp Watt	Voltage	Lamp/ Ballast/ Ignitor	Temp. Class (for zone 2)		Max. Surface Temp.* (for zone 21 & 22)		Wiring Diagram	
				Ta 40 °C	Ta 55 °C	Ta 40 °C	Ta 55 °C		
Mercury Vapor Lamp									
NMV-80 2	- □	80W.	220V.ac 50Hz.	HPL-N 80W / Q80.587 / –	T4	T3	T135°C	T200°C	Dia-B
				HPL-N 80W / OMB80-35 / –	T4	T3	T135°C	T200°C	Dia-B
NMV-125 2	- □	125W.		HPL-N 125W / Q125.549 / –	T4	T3	T135°C	T200°C	Dia-B
NMV-250 2	- □	250W.		HPL-N 250W / Q250.513 / –	T3	T2	T200°C	T250°C	Dia-B
NMV-400 2	- □	400W.	230V.ac 50Hz.	HPL-N 400W / Q400.561 / –	T2	–	T250°C	–	Dia-B
NMV-80 3	- □	80W.		HPL-N 80W / Q80.588 / –	T4	T3	T135°C	T200°C	Dia-B
NMV-125 3	- □	125W.		HPL-N 125W / Q125.568 / –	T4	T3	T135°C	T200°C	Dia-B
NMV-250 3	- □	250W.		HPL-N 250W / Q250.528 / –	T3	T2	T200°C	T250°C	Dia-B
High Pressure Sodium Lamp									
NPS-70 2	- □	70W.	220V.ac 50Hz.	SON-70WI / NaHJ70.320 /-	T4	T4	T135°C	T135°C	Dia-B
NPS-150 2	- □	150W.		SON-150W / NaHJ150.355 / Z400M	T3	T3	T200°C	T200°C	Dia-A
NPS-250 2	- □	250W.		SON-250W / NaHJ250.160 / Z400M	T3	T2	T200°C	T250°C	Dia-A
NPS-400 2	- □	400W.		SON-400W / NaHJ400.162 / Z400M	T2	–	T250°C	–	Dia-A
NPS-70I 3	- □	70W.	230V.ac 50Hz.	SON-70WI / NaHJ70.158 / –	T4	T4	T135°C	T135°C	Dia-B
NPS-70 3	- □	70W.		SON-70W / NaHJ70.158 / Z400M	T4	T4	T135°C	T135°C	Dia-A
NPS-150 3	- □	150W.		SON-150W / NaHJ150 100.973 / Z400M	T3	T3	T200°C	T200°C	Dia-A
NPS-400 3	- □	400W.		SON-400W / NaHJ400.006 / Z400M	T2	–	T135°C	T200°C	Dia-A
Metal Halide Lamp									
NMH-70 2	- □	70W.	220V.ac 50Hz.	MH 70W / NaHJ70.320 / Z400M	T4	T3	T135°C	T200°C	Dia-A
				MH 70W / OMS 70-T35 / Z400M	T4	T3	T135°C	T200°C	Dia-A
NMH-100 2	- □	100W.		MH 100W / OMS 100 / Z400M	T3	T3	T200°C	T200°C	Dia-A
NMH-150 2	- □	150W.		MH 150W / OMS 150 / Z400M	T3	T3	T200°C	T200°C	Dia-A
NMH-250 2	- □	250W.	230V.ac 50Hz.	HPI PLUS-250W BU / Q250.513 / Z400M	T3	T2	T200°C	T250°C	Dia-A
NMH-400 2	- □	400W.		HPI PLUS-400W BUS / Q400.561 / –	T2	-	T135°C	T200°C	Dia-B
NMH-70 3	- □	70W.		MH 70W / NaHJ70.128 / Z400M	T4	T3	T135°C	T200°C	Dia-A
NMH-250 3	- □	250W.		HPI PLUS-250W BU / Q250.528 / Z400M	T3	T2	T200°C	T250°C	Dia-A
Mercury Tungsten Lamp									
NMT-160 4	- □	160W.	220/ 230V.ac	ML 160W / – / –	T3	T2	T200°C	T250°C	Dia-C
NMT-250 4	- □	250W.	50Hz.	ML 250W / – / –	T2	–	T250°C	–	Dia-C

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

Wiring Diagram

Diagram-A

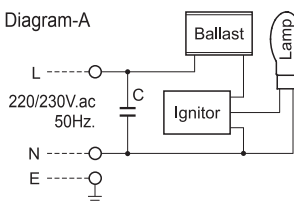


Diagram-B

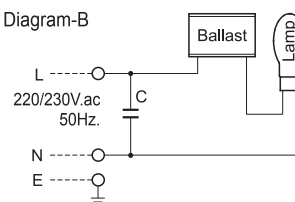
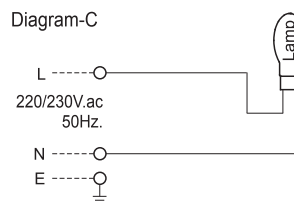


Diagram-C



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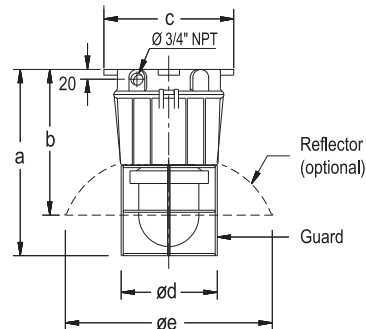


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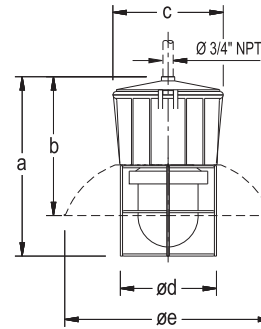
Dimension

Ceiling mounting



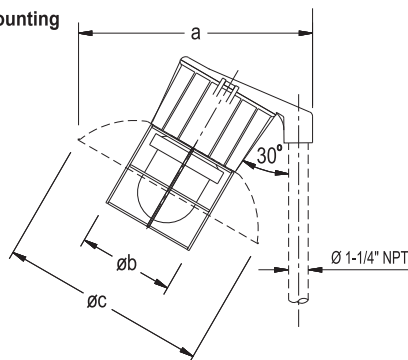
Lamp Watts	Dimension in mm.					Approx. Weight (kgs.)
	a	b	c	ød	øe	
Mercury Vapor Lamp						
80W., 125W.	328	254	228	175	360	4.24
250W.	473	395	282	218	450	12.15
400W.	510	382	341	286	504	16.55
High Pressure Sodium Lamp						
70W.	328	254	228	175	360	8.39
150W., 250W.	473	395	282	218	450	12.25
400W.	510	382	341	286	504	18.35
Metal Halide Lamp						
70W., 100W.	328	254	228	175	360	4.39
150W., 250W.	473	395	282	218	450	12.15
400W.	510	382	341	286	504	16.55
Mercury Tungsten Lamp						
160W.	473	395	282	218	450	12.0
250W.	510	382	341	286	504	12.0

Pendant mounting



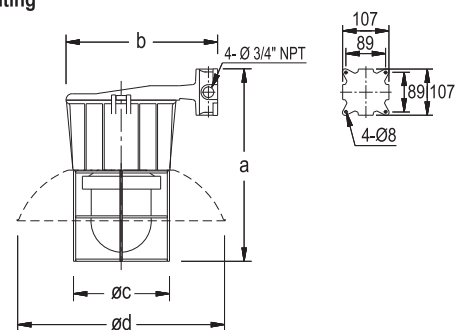
Lamp Watts	Dimension in mm.					Approx. Weight (kgs.)
	a	b	c	ød	øe	
Mercury Vapor Lamp						
80W., 125W.	336	262	200	175	360	4.24
250W.	466	388	240	218	450	12.15
400W.	514	386	315	286	504	16.55
High Pressure Sodium Lamp						
70W.	336	262	200	175	360	4.39
150W., 250W.	466	388	240	218	450	12.25
400W.	514	386	315	286	504	18.35
Metal Halide Lamp						
70W., 100W.	336	262	200	175	360	4.39
150W., 250W.	466	388	240	218	450	12.15
400W.	514	386	315	286	504	16.55
Mercury Tungsten Lamp						
160W.	466	388	240	218	450	12.0
250W.	514	386	315	286	504	12.0

30° Stanchion mounting



Lamp Watts	Dimension in mm.			Approx. Weight (kgs.)
	a	øb	øc	
Mercury Vapor Lamp				
80W., 125W.	399	175	360	4.39
250W.	538	218	450	12.35
400W.	597	286	504	16.55
High Pressure Sodium Lamp				
70W.	399	175	360	4.39
150W., 250W.	538	218	450	12.35
400W.	597	286	504	18.55
Metal Halide Lamp				
70W., 100W.	399	175	360	4.39
150W., 250W.	538	218	450	12.55
400W.	597	286	504	16.55
Mercury Tungsten Lamp				
160W.	538	218	450	12.0
250W.	597	286	504	12.0

Bracket mounting



Lamp Watts	Dimension in mm.				Approx. Weight (kgs.)
	a	b	øc	ød	
Mercury Vapor Lamp					
80W., 125W.	347	279	175	360	4.57
250W.	479	312	218	450	12.55
400W.	532	428	286	504	16.85
High Pressure Sodium Lamp					
70W.	347	279	175	360	4.39
150W., 250W.	479	312	218	450	12.55
400W.	532	428	286	504	18.35
Metal Halide Lamp					
70W., 100W.	347	279	175	360	4.39
150W., 250W.	479	312	218	450	12.55
400W.	382	341	286	504	16.55
Mercury Tungsten Lamp					
160W.	479	312	218	450	12.0
250W.	532	428	286	504	12.0