VMVIG and DMVIG Series

Cl. I, Div. 2, Groups A, B, C, D Cl. I, Zone 2, Group IIC Restricted Breathing Suffix S826 for Cl. I, Div. 2 & Zone 2 Enclosure Type 4X, IP66 Wet Locations Marine Locations UL and cUL Listed

Get uninterrupted light for up to 11 years, without changing a lamp.

Cooper Crouse-Hinds Champ Luminaire with Induction Light Source delivers up to 100,000 hours of white light in a hazardous location, corrosion-resistant watertight package. That's 5 to 8 times the typical life of conventional fluorescent or HID lamps. And, with no maintenance required for up to 11 years, you'll reduce your maintenance and lamp replacement costs.

Compelling reasons to choose the new Champ Induction luminaire as the light source for industrial and hazardous locations include:

- Crisp, white light (80+ color rendering index) provides increased safety by clearly illuminating signs, instrument panels, equipment and more with vibrant natural colors.
- Up to 100,000 hours of lamp life minimizes routine maintenance costs. If you operate this luminaire for 24 hours, 7 days a week, you will not need to change the lamp for up to 11 years!
- Instant illumination no waiting for lamp warm-up time. Increases productivity and safety.
- Delivers the best possible luminaire temperature rating T6 (85°C) when used with the Champ restricted breathing option. Ideal for hazardous areas where a low ignition temperature is required.
- Starts in low temperatures as low as -40°C.

Additional Features and Benefits:

The Champ Induction Luminaire is suitable for Class I, Division 2 and Zone 2 areas with the assurance of Cooper Crouse-Hinds quality and reliability. They are ideal for use in hard-to-reach applications and where process requirements demand continuous luminaire operation.

Features:

- High lumens per watts (72 lpw for the 165W Champ) will save energy
- Retains strong light output (retains more than 70% output) throughout the life of the lamp
- Will not add electrical noise to the circuits Total Harmonic Distortion is less than 10%
- Excellent power factor of .96 increases useable watts to an excellent level and reduces energy consumption
- Internal electronics are enclosed to ensure that there is no interference with external instrumentation



165W Champ Induction provides as much light as a 175W Metal Halide but lasts 7 times longer!



VMVIG and DMVIG Series with Lamps Included

Applications:

Champ Induction Luminaires are ideal:

- Where an extra long life lamp source (up to 100,000 hours) is required.
- In areas that require lamps to reach full illumination immediately.
- Where cool temperature ratings on the luminaire globe are needed to ensure safe operation in hazardous areas.
- · In hard-to-reach applications where relamping is costly.
- Where luminaire maintenance is difficult due to continuous process operation requirements that restrict or prohibit shut down except in emergency situations.
- To provide a cost-effective lighting system (low installed/life cost) by minimizing or even eliminating routine luminaire maintenance.
- In cold environment applications.

Certifications and Compliances:

- NEC & CEC: Class I, Division 2 and Zone 2 Class I, Division 2, Groups A, B, C, D Class I, Zone 2, Group IIC
- Restricted Breathing Suffix S826 for Class I, Division 2 and Zone 2
- Marine Locations, Wet Locations, Enclosure Type 3, 3R, 4, 4X; IP66
- UL and cUL Listed / ETL
- UL Standards: 844, 60079-15, 1598, 1598A
- CSA Standards: C22.2 No.137, E79 Series

Compliances and approvals for the lamp system

• RFI < 30 MHz	EN 55015
• RFI > 30 MHz	EN 55022
Harmonics	EN 61000-3-2
Immunity	EN 61547
Safety	EN 61347-2-3 & UL935
	EN 60928
Performance	EN 60929
 Vibration & bump tests 	IEC 68-2-6-Fc
	IEC 68-2-29-Eb
 Quality standards 	ISO 9001
 Environmental standard 	ISO 14001

Standard Materials:

- Ballast housings and mountings copper-free aluminum (less than 0.4 of 1%)
- Exterior hardware stainless steel
- Reflectors (dome and angle) Krydon fiberglass-reinforced polyester material
- · Globes heat and impact-resistant internally fluted glass
- Guards copper-free aluminum (55W), stainless steel (85W)

Standard Finishes:

- Copper-free aluminum epoxy powder coat
- Krydon[®] material high reflectance white
- Stainless steel natural

Cl. I, Div. 2, Groups A, B, C, D Cl. I, Zone 2, Group IIC Restricted Breathing Suffix S826 for Cl. I, Div. 2 & Zone 2

Enclosure Type 4X, IP66 Wet Locations Marine Locations UL and cUL Listed

Options:

Description	Suffix
Restricted Breathing Construction	S826
Class I, Division 2 & Zone 2 suitability	
Cooler operating temperatures (T-Codes)	
Corrected color temperature lamp - 4000K	S887

Accessories:

Mounting Modules	Cat. #
3/4 NPT Pendant	APM2
1 NPT Pendant	APM3
3/4 NPT Flexible Pendant	HPM2
3/4 NPT Ceiling Mount	CM2
1 NPT Ceiling Mount	CM3
3/4 NPT Wall Mount	TWM2
1 NPT Wall Mount	TWM3
3/4 NPT Quad Mount	QM25
1 ¹ / ₂ NPT Stanchion Mount — 25 Degree Angle	JM5
11/2 NPT Stanchion Mount — Straight	PM5

Wattage	Dome Reflector Cat. #	Angle Reflector Cat. #
55W	RD70	RA70
85W	RD739	RA739
165W	RD739	RA739

Dimensions:

See Section 3L for dimensional information on VMV and DMV Series.

Amperage:

Power consumption for specific voltages

55W Luminaires

a. 120VAC x .460mA = 55.70 watts b. 230VAC x .260mA = 59.80 watts

85W Luminaires

c. 120VAC x .710mA = 85.20 watts d. 230VAC x .400mA = 92.00 watts

165W Luminaires

e. 120VAC x 1.35 = 162.00 watts f. 230VAC x .700mA = 161.00 watts



VMVIG and DMVIG Series

Cl. I, Div. 2, Groups A, B, C, D Cl. I, Zone 2, Group IIC Restricted Breathing Suffix S826 for Cl. I, Div. 2 & Zone 2

Lamp Data:

	System	Lumen (LM)		Efficacy (LM/W)		Lumen (LM) Efficacy (LM/W)		Color Rendering	Lumen Maintenance
	Power (W)	Initial	Mean	Initial	Mean	Index*	After 60,000 Hrs (%)		
VMV	55	3500	2800	65	51	80	75		
DMV	85	6000	4800	70	57	80	75		
DMV	165	12000	9600	72	58	80	70		
DIVIV	100	12000		12			10		

*Lamp sources with 80+ CRI provide excellent color rendering. CRI scale is 0–100 with 100 considered as ideal.

Temperature Performance Data:

Cat. #	Watts	Ambient Temp. °C	Supply Wire Temp. °C	Class I, Div. 2 Temp. Rating	Class II, Div. 1, Class III Temp. Rating	Simultaneous Presence Class I, Div. 2	Restricted Breathing (Suffix S826) Aex nR IIC, Ex nR IIC Class I, Div. 2/Zone 2
VMVIG055	55	40	60	T2C	-	-	Т6
VMVIG055	55	55	75	T2C	-	-	Т5
DMVIG085	85	40	60	Т3	T5	T2D	Т6
DMVIG085	85	55	75	T2D	T4A	-	Т5
DMVIG165	165	40	75	Т3	-	-	Т5

Champ Induction DMV 85 watt is now Class II, Div. 1 - suitable for dust environments.

Ordering Information:

To complete Catalog Number, add Voltage and Option suffix(es).

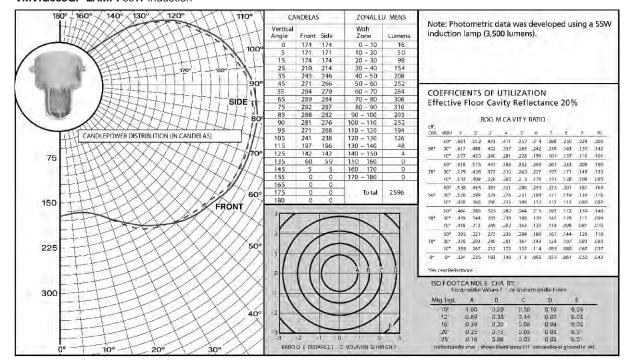
Mounting Style	Hub Size (Inches)	55W Induction Catalog Number (With G24 Globe & P21 Guard)	85W Induction Catalog Number (With G303 Globe & P33 Guard)	165W Induction Catalog Number (With G303 Globe & P33 Guard)
Pendant	³ / ₄ 1	VMVIG2A055GP VMVIG3A055GP	DMVIG2A085GP DMVIG3A085GP	DMVIG2A165GP DMVIG3A165GP
Flexible Pendant	3/4	VMVIG2HA055GP	DMVIG2HA085GP	DMVIG2HA165GP
Ceiling Mount	³ / ₄ 1	VMVIG2C055GP VMVIG3C055GP	DMVIG2C085GP DMVIG3C085GP	DMVIG2C165GP DMVIG3C165GP
Wall Mount	³ / ₄ 1	VMVIG2TW055GP VMVIG3TW055GP	DMVIG2TW085GP DMVIG3TW085GP	DMVIG2TW165GP DMVIG3TW165GP
Quad Mount	3/4	VMVIG25Q055GP	DMVIG25Q085GP	DMVIG25Q165GP
Stanchion Mount 25° Angle	11/2	VMVIGJ055GP	DMVIGJ085GP	DMVIGJ165GP
Stanchion Mount Straight	11/2	VMVIGP055GP	DMVIGP085GP	DMVIGP165GP
Luminaire with Globe and Guard less Mounting Module	_	VMVIG055GP	DMVIG085GP	DMVIG165GP

Add the voltage suffix to the above catalog number. Ex. - DMVIG2A085GP/120

Standard Voltage	Suffix	Range
120V, 50 / 60 Hz	/120	Operative range of 108–132 VAC
200V–277V, 50 / 60 Hz	/200 277	Operates on 208, 220, 230, 240, 277 VAC

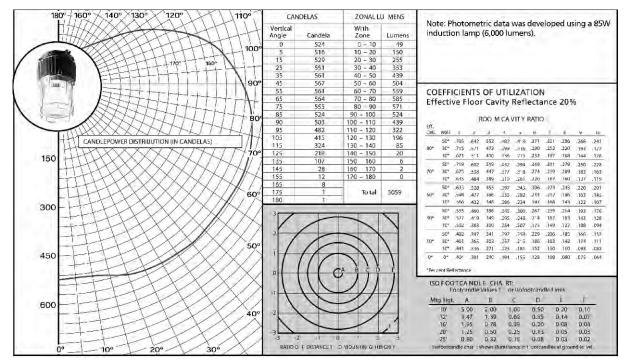
55 Watt Induction

Luminaire With Globe And Guard VMVIG055GP LAMP: 55W Induction



85 Watt Induction

Luminaire With Globe And Guard DMVIG085GP LAMP: 85W Induction



Photometric Data: For additional photometric information, see the Resources area of our website. Photometric .ies files for use with our Luxicon Lighting Layout Software are available to download.

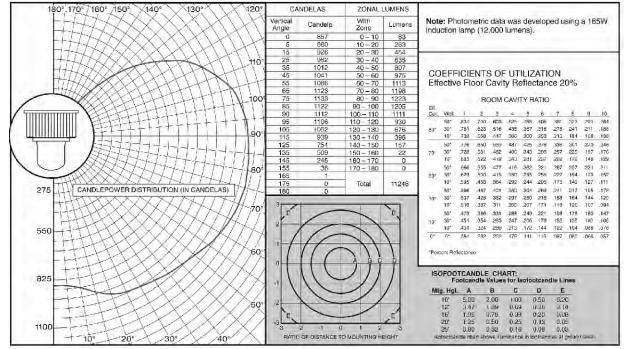


VMVIG and DMVIG Series

165 Watt Induction

Luminaire With Globe

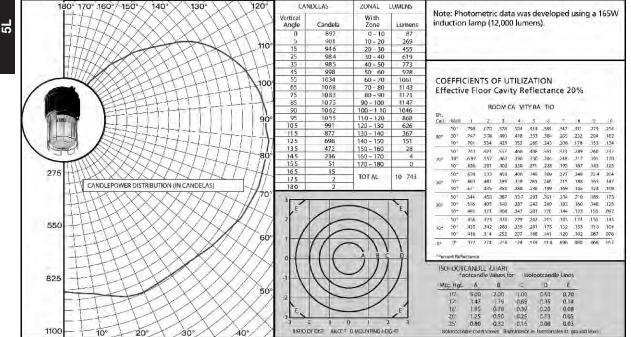
DMVIG165G Lamp: 165W Induction



165 Watt Induction

Luminaire With Globe And Guard

DMVIG165GP Lamp: 165W Induction



Photometric Data: For additional photometric information, see the Resources area of our website. Photometric .ies files for use with our Luxicon Lighting Layout Software are available to download.

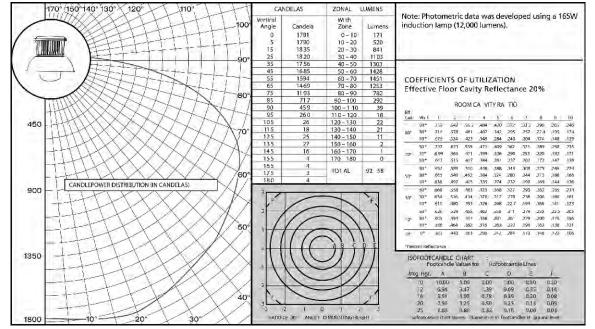




165 Watt Induction

Luminaire With Globe And RD739 Dome Reflector

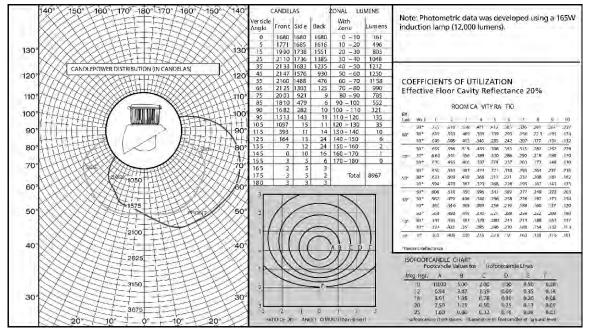
DMVIG165G Lamp: 165W linduction



165 Watt Induction

Luminaire With Globe And RA739 (30° Angle) Reflector

DMVIG165G Lamp: 165W Induction

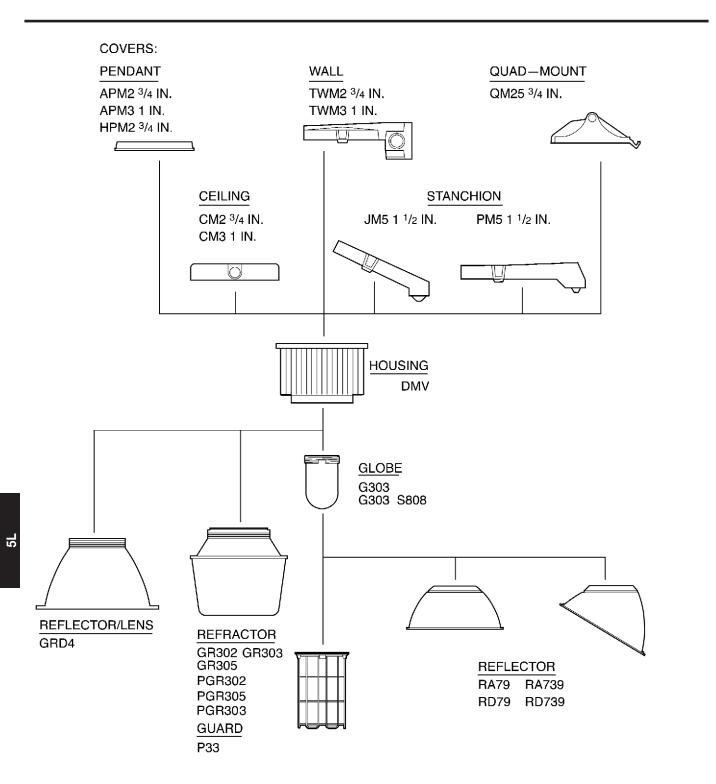


Photometric Data: For additional photometric information, see the Resources area of our website. Photometric .ies files for use with our Luxicon Lighting Layout Software are available to download.



Family Tree

VMVIG and DMVIG Series





VMVIG and DMVIG Series

Cl. I, Div. 2, Groups A, B, C, D Cl. I, Zone 2, Group IIC Restricted Breathing Suffix S826 for Cl. I, Div. 2 & Zone 2 Enclosure Type 4X, IP66 Wet Locations Marine Locations UL and cUL Listed

Get uninterrupted light for up to 11 years, without changing a lamp.

Cooper Crouse-Hinds Champ Luminaire with Induction Light Source delivers up to 100,000 hours of white light in a hazardous location, corrosion-resistant watertight package. That's 5 to 8 times the typical life of conventional fluorescent or HID lamps. And, with no maintenance required for up to 11 years, you'll reduce your maintenance and lamp replacement costs.

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- Crisp, white light (80+ color rendering index) provides increased safety by clearly illuminating signs, instrument panels, equipment and more with vibrant natural colors.
- Up to 100,000 hours of lamp life minimizes routine maintenance costs. If you operate this luminaire for 24 hours, 7 days a week, you will not need to change the lamp for up to 11 years!
- Instant illumination no waiting for lamp warm-up time. Increases productivity and safety.
- Delivers the best possible luminaire temperature rating T6 (85°C) when used with the Champ restricted breathing option. Ideal for hazardous areas where a low ignition temperature is required.
- Starts in low temperatures as low as -40°C.

Additional Features and Benefits:

The Champ Induction Luminaire is suitable for Class I, Division 2 and Zone 2 areas with the assurance of Cooper Crouse-Hinds quality and reliability. They are ideal for use in hard-to-reach applications and where process requirements demand continuous luminaire operation.

Features:

- High lumens per watts (72 lpw for the 165W Champ) will save energy
- Retains strong light output (retains more than 70% output) throughout the life of the lamp
- Will not add electrical noise to the circuits Total Harmonic Distortion is less than 10%
- Excellent power factor of .96 increases useable watts to an excellent level and reduces energy consumption
- Internal electronics are enclosed to ensure that there is no interference with external instrumentation



165W Champ Induction provides as much light as a 175W Metal Halide but lasts 7 times longer!



VMVIG and DMVIG Series with Lamps Included

Applications:

Champ Induction Luminaires are ideal:

- Where an extra long life lamp source (up to 100,000 hours) is required.
- In areas that require lamps to reach full illumination immediately.
- Where cool temperature ratings on the luminaire globe are needed to ensure safe operation in hazardous areas.
- · In hard-to-reach applications where relamping is costly.
- Where luminaire maintenance is difficult due to continuous process operation requirements that restrict or prohibit shut down except in emergency situations.
- To provide a cost-effective lighting system (low installed/life cost) by minimizing or even eliminating routine luminaire maintenance.
- In cold environment applications.

Certifications and Compliances:

- NEC & CEC: Class I, Division 2 and Zone 2 Class I, Division 2, Groups A, B, C, D Class I, Zone 2, Group IIC
- Restricted Breathing Suffix S826 for Class I, Division 2 and Zone 2
- Marine Locations, Wet Locations, Enclosure Type 3, 3R, 4, 4X; IP66
- UL and cUL Listed / ETL
- UL Standards: 844, 60079-15, 1598, 1598A
- CSA Standards: C22.2 No.137, E79 Series

Compliances and approvals for the lamp system

• RFI < 30 MHz	EN 55015
• RFI > 30 MHz	EN 55022
Harmonics	EN 61000-3-2
Immunity	EN 61547
Safety	EN 61347-2-3 & UL935
	EN 60928
Performance	EN 60929
 Vibration & bump tests 	IEC 68-2-6-Fc
	IEC 68-2-29-Eb
 Quality standards 	ISO 9001
 Environmental standard 	ISO 14001

Standard Materials:

- Ballast housings and mountings copper-free aluminum (less than 0.4 of 1%)
- Exterior hardware stainless steel
- Reflectors (dome and angle) Krydon fiberglass-reinforced polyester material
- · Globes heat and impact-resistant internally fluted glass
- Guards copper-free aluminum (55W), stainless steel (85W)

Standard Finishes:

- Copper-free aluminum epoxy powder coat
- Krydon[®] material high reflectance white
- Stainless steel natural

Cl. I, Div. 2, Groups A, B, C, D Cl. I, Zone 2, Group IIC Restricted Breathing Suffix S826 for Cl. I, Div. 2 & Zone 2

Enclosure Type 4X, IP66 Wet Locations Marine Locations UL and cUL Listed

Options:

Description	Suffix
Restricted Breathing Construction	S826
Class I, Division 2 & Zone 2 suitability	
Cooler operating temperatures (T-Codes)	
Corrected color temperature lamp - 4000K	S887

Accessories:

Mounting Modules	Cat. #
3/4 NPT Pendant	APM2
1 NPT Pendant	APM3
3/4 NPT Flexible Pendant	HPM2
3/4 NPT Ceiling Mount	CM2
1 NPT Ceiling Mount	CM3
3/4 NPT Wall Mount	TWM2
1 NPT Wall Mount	TWM3
3/4 NPT Quad Mount	QM25
1 ¹ / ₂ NPT Stanchion Mount — 25 Degree Angle	JM5
11/2 NPT Stanchion Mount — Straight	PM5

Wattage	Dome Reflector Cat. #	Angle Reflector Cat. #
55W	RD70	RA70
85W	RD739	RA739
165W	RD739	RA739

Dimensions:

See Section 3L for dimensional information on VMV and DMV Series.

Amperage:

Power consumption for specific voltages

55W Luminaires

a. 120VAC x .460mA = 55.70 watts b. 230VAC x .260mA = 59.80 watts

85W Luminaires

c. 120VAC x .710mA = 85.20 watts d. 230VAC x .400mA = 92.00 watts

165W Luminaires

e. 120VAC x 1.35 = 162.00 watts f. 230VAC x .700mA = 161.00 watts



VMVIG and DMVIG Series

Cl. I, Div. 2, Groups A, B, C, D Cl. I, Zone 2, Group IIC Restricted Breathing Suffix S826 for Cl. I, Div. 2 & Zone 2

Lamp Data:

	Svstem	Lumen (LM)		Lumen (LM) Efficacy (LM/W)		Color Rendering	Lumen Maintenance
	Power (W)	Initial	Mean	Initial	Mean	Index*	After 60,000 Hrs (%)
VMV	55	3500	2800	65	51	80	75
DMV	85	6000	4800	70	57	80	75
DMV	165	12000	9600	72	58	80	70
DIVIV	100	12000		12			10

*Lamp sources with 80+ CRI provide excellent color rendering. CRI scale is 0–100 with 100 considered as ideal.

Temperature Performance Data:

Cat. #	Watts	Ambient Temp. °C	Supply Wire Temp. °C	Class I, Div. 2 Temp. Rating	Class II, Div. 1, Class III Temp. Rating	Simultaneous Presence Class I, Div. 2	Restricted Breathing (Suffix S826) Aex nR IIC, Ex nR IIC Class I, Div. 2/Zone 2
VMVIG055	55	40	60	T2C	-	-	Т6
VMVIG055	55	55	75	T2C	-	-	Т5
DMVIG085	85	40	60	Т3	T5	T2D	Т6
DMVIG085	85	55	75	T2D	T4A	-	Т5
DMVIG165	165	40	75	Т3	-	-	Т5

Champ Induction DMV 85 watt is now Class II, Div. 1 - suitable for dust environments.

Ordering Information:

To complete Catalog Number, add Voltage and Option suffix(es).

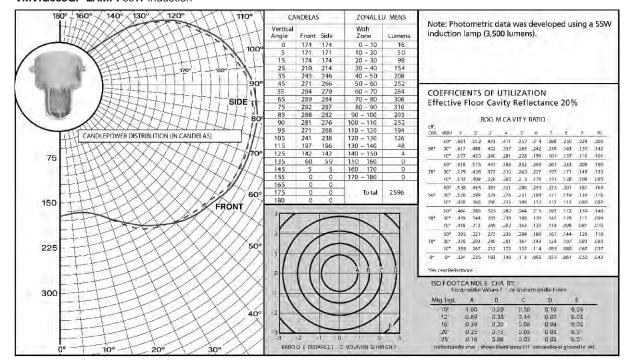
Mounting Style	Hub Size (Inches)	55W Induction Catalog Number (With G24 Globe & P21 Guard)	85W Induction Catalog Number (With G303 Globe & P33 Guard)	165W Induction Catalog Number (With G303 Globe & P33 Guard)
Pendant	³ / ₄ 1	VMVIG2A055GP VMVIG3A055GP	DMVIG2A085GP DMVIG3A085GP	DMVIG2A165GP DMVIG3A165GP
Flexible Pendant	3/4	VMVIG2HA055GP	DMVIG2HA085GP	DMVIG2HA165GP
Ceiling Mount	³ / ₄ 1	VMVIG2C055GP VMVIG3C055GP	DMVIG2C085GP DMVIG3C085GP	DMVIG2C165GP DMVIG3C165GP
Wall Mount	³ / ₄ 1	VMVIG2TW055GP VMVIG3TW055GP	DMVIG2TW085GP DMVIG3TW085GP	DMVIG2TW165GP DMVIG3TW165GP
Quad Mount	3/4	VMVIG25Q055GP	DMVIG25Q085GP	DMVIG25Q165GP
Stanchion Mount 25° Angle	11/2	VMVIGJ055GP	DMVIGJ085GP	DMVIGJ165GP
Stanchion Mount Straight	11/2	VMVIGP055GP	DMVIGP085GP	DMVIGP165GP
Luminaire with Globe and Guard less Mounting Module	_	VMVIG055GP	DMVIG085GP	DMVIG165GP

Add the voltage suffix to the above catalog number. Ex. - DMVIG2A085GP/120

Standard Voltage	Suffix	Range
120V, 50 / 60 Hz	/120	Operative range of 108–132 VAC
200V–277V, 50 / 60 Hz	/200 277	Operates on 208, 220, 230, 240, 277 VAC

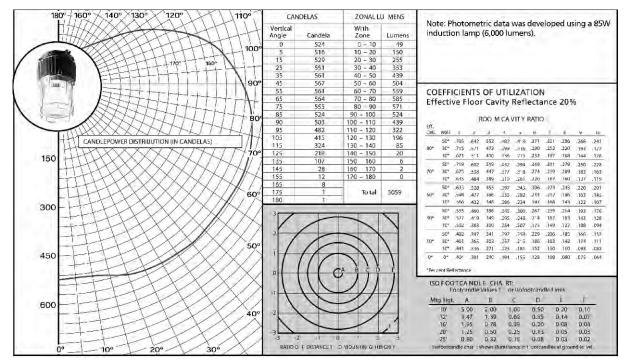
55 Watt Induction

Luminaire With Globe And Guard VMVIG055GP LAMP: 55W Induction



85 Watt Induction

Luminaire With Globe And Guard DMVIG085GP LAMP: 85W Induction



Photometric Data: For additional photometric information, see the Resources area of our website. Photometric .ies files for use with our Luxicon Lighting Layout Software are available to download.

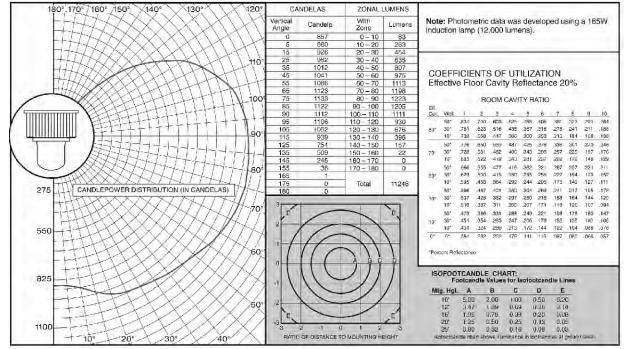


VMVIG and DMVIG Series

165 Watt Induction

Luminaire With Globe

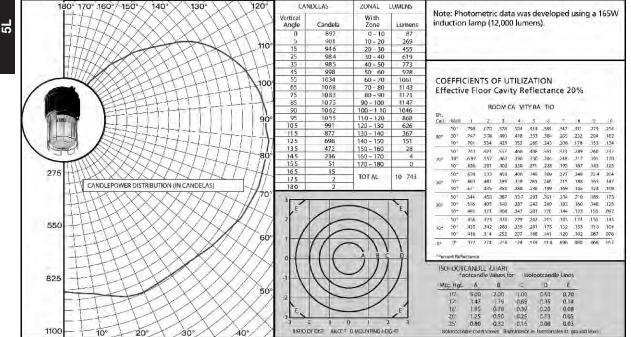
DMVIG165G Lamp: 165W Induction



165 Watt Induction

Luminaire With Globe And Guard

DMVIG165GP Lamp: 165W Induction



Photometric Data: For additional photometric information, see the Resources area of our website. Photometric .ies files for use with our Luxicon Lighting Layout Software are available to download.

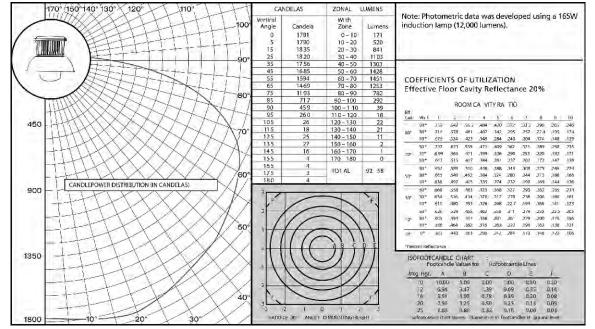




165 Watt Induction

Luminaire With Globe And RD739 Dome Reflector

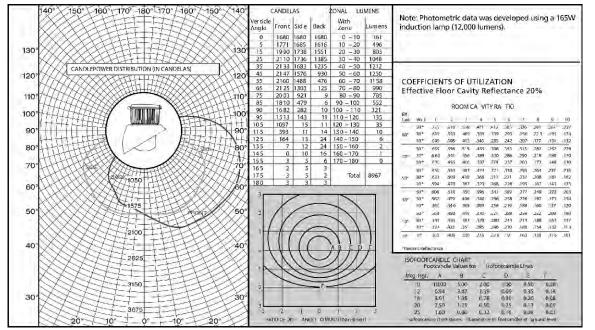
DMVIG165G Lamp: 165W linduction



165 Watt Induction

Luminaire With Globe And RA739 (30° Angle) Reflector

DMVIG165G Lamp: 165W Induction



Photometric Data: For additional photometric information, see the Resources area of our website. Photometric .ies files for use with our Luxicon Lighting Layout Software are available to download.

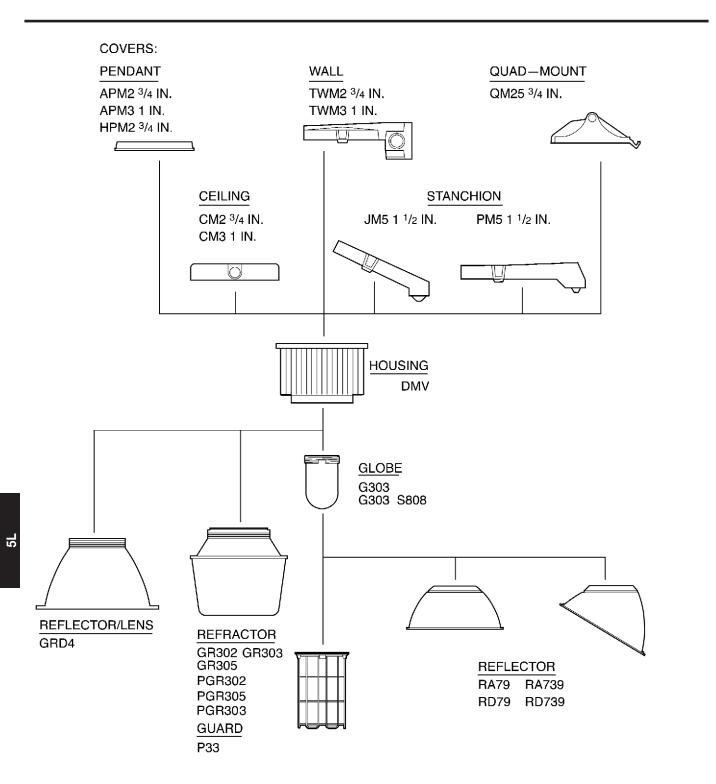
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5L



Family Tree

VMVIG and DMVIG Series





VMVIG and DMVIG Series

Cl. I, Div. 2, Groups A, B, C, D Cl. I, Zone 2, Group IIC Restricted Breathing Suffix S826 for Cl. I, Div. 2 & Zone 2 Enclosure Type 4X, IP66 Wet Locations Marine Locations UL and cUL Listed

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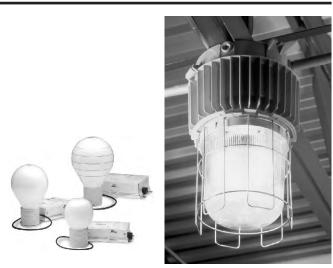
- Crisp, white light (80+ color rendering index) provides increased safety by clearly illuminating signs, instrument panels, equipment and more with vibrant natural colors.
- Up to 100,000 hours of lamp life minimizes routine maintenance costs. If you operate this luminaire for 24 hours, 7 days a week, you will not need to change the lamp for up to 11 years!
- Instant illumination no waiting for lamp warm-up time. Increases productivity and safety.
- Delivers the best possible luminaire temperature rating T6 (85°C) when used with the Champ restricted breathing option. Ideal for hazardous areas where a low ignition temperature is required.
- Starts in low temperatures as low as -40°C.

Additional Features and Benefits:

The Champ Induction Luminaire is suitable for Class I, Division 2 and Zone 2 areas with the assurance of Cooper Crouse-Hinds quality and reliability. They are ideal for use in hard-to-reach applications and where process requirements demand continuous luminaire operation.

Features:

- High lumens per watts (72 lpw for the 165W Champ) will save energy
- Retains strong light output (retains more than 70% output) throughout the life of the lamp
- Will not add electrical noise to the circuits Total Harmonic Distortion is less than 10%
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- Internal electronics are enclosed to ensure that there is no interference with external instrumentation



165W Champ Induction provides as much light as a 175W Metal Halide but lasts 7 times longer!



VMVIG and DMVIG Series with Lamps Included

Applications:

Champ Induction Luminaires are ideal:

- Where an extra long life lamp source (up to 100,000 hours) is required.
- In areas that require lamps to reach full illumination immediately.
- Where cool temperature ratings on the luminaire globe are needed to ensure safe operation in hazardous areas.
- · In hard-to-reach applications where relamping is costly.
- Where luminaire maintenance is difficult due to continuous process operation requirements that restrict or prohibit shut down except in emergency situations.
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- NEC & CEC: Class I, Division 2 and Zone 2 Class I, Division 2, Groups A, B, C, D Class I, Zone 2, Group IIC
- Restricted Breathing Suffix S826 for Class I, Division 2 and Zone 2
- Marine Locations, Wet Locations, Enclosure Type 3, 3R, 4, 4X; IP66
- UL and cUL Listed / ETL
- UL Standards: 844, 60079-15, 1598, 1598A
- CSA Standards: C22.2 No.137, E79 Series

Compliances and approvals for the lamp system

• RFI < 30 MHz	EN 55015
• RFI > 30 MHz	EN 55022
Harmonics	EN 61000-3-2
Immunity	EN 61547
Safety	EN 61347-2-3 & UL935
	EN 60928
Performance	EN 60929
 Vibration & bump tests 	IEC 68-2-6-Fc
	IEC 68-2-29-Eb
 Quality standards 	ISO 9001
 Environmental standard 	ISO 14001

Standard Materials:

- Ballast housings and mountings copper-free aluminum (less than 0.4 of 1%)
- Exterior hardware stainless steel
- Reflectors (dome and angle) Krydon fiberglass-reinforced polyester material
- · Globes heat and impact-resistant internally fluted glass
- Guards copper-free aluminum (55W), stainless steel (85W)

Standard Finishes:

- Copper-free aluminum epoxy powder coat
- Krydon[®] material high reflectance white
- Stainless steel natural

Cl. I, Div. 2, Groups A, B, C, D Cl. I, Zone 2, Group IIC Restricted Breathing Suffix S826 for Cl. I, Div. 2 & Zone 2

Enclosure Type 4X, IP66 Wet Locations Marine Locations UL and cUL Listed

Options:

Description	Suffix
Restricted Breathing Construction	S826
Class I, Division 2 & Zone 2 suitability	
Cooler operating temperatures (T-Codes)	
Corrected color temperature lamp - 4000K	S887

Accessories:

Mounting Modules	Cat. #
3/4 NPT Pendant	APM2
1 NPT Pendant	APM3
3/4 NPT Flexible Pendant	HPM2
3/4 NPT Ceiling Mount	CM2
1 NPT Ceiling Mount	CM3
3/4 NPT Wall Mount	TWM2
1 NPT Wall Mount	TWM3
3/4 NPT Quad Mount	QM25
1 ¹ / ₂ NPT Stanchion Mount — 25 Degree Angle	JM5
11/2 NPT Stanchion Mount — Straight	PM5

Wattage	Dome Reflector Cat. #	Angle Reflector Cat. #
55W	RD70	RA70
85W	RD739	RA739
165W	RD739	RA739

Dimensions:

See Section 3L for dimensional information on VMV and DMV Series.

Amperage:

Power consumption for specific voltages

55W Luminaires

a. 120VAC x .460mA = 55.70 watts b. 230VAC x .260mA = 59.80 watts

85W Luminaires

c. 120VAC x .710mA = 85.20 watts d. 230VAC x .400mA = 92.00 watts

165W Luminaires

e. 120VAC x 1.35 = 162.00 watts f. 230VAC x .700mA = 161.00 watts



VMVIG and DMVIG Series

Cl. I, Div. 2, Groups A, B, C, D Cl. I, Zone 2, Group IIC Restricted Breathing Suffix S826 for Cl. I, Div. 2 & Zone 2

Lamp Data:

	Svstem	Lumen (LM)		Lumen (LM) Efficacy (LM/W)		Color Rendering	Lumen Maintenance
	Power (W)	Initial	Mean	Initial	Mean	Index*	After 60,000 Hrs (%)
VMV	55	3500	2800	65	51	80	75
DMV	85	6000	4800	70	57	80	75
DMV	165	12000	9600	72	58	80	70
DIVIV	100	12000		12			10

*Lamp sources with 80+ CRI provide excellent color rendering. CRI scale is 0–100 with 100 considered as ideal.

Temperature Performance Data:

Cat. #	Watts	Ambient Temp. °C	Supply Wire Temp. °C	Class I, Div. 2 Temp. Rating	Class II, Div. 1, Class III Temp. Rating	Simultaneous Presence Class I, Div. 2	Restricted Breathing (Suffix S826) Aex nR IIC, Ex nR IIC Class I, Div. 2/Zone 2
VMVIG055	55	40	60	T2C	-	-	Т6
VMVIG055	55	55	75	T2C	-	-	Т5
DMVIG085	85	40	60	Т3	T5	T2D	Т6
DMVIG085	85	55	75	T2D	T4A	-	Т5
DMVIG165	165	40	75	Т3	-	-	Т5

Champ Induction DMV 85 watt is now Class II, Div. 1 - suitable for dust environments.

Ordering Information:

To complete Catalog Number, add Voltage and Option suffix(es).

Mounting Style	Hub Size (Inches)	55W Induction Catalog Number (With G24 Globe & P21 Guard)	85W Induction Catalog Number (With G303 Globe & P33 Guard)	165W Induction Catalog Number (With G303 Globe & P33 Guard)
Pendant	³ / ₄ 1	VMVIG2A055GP VMVIG3A055GP	DMVIG2A085GP DMVIG3A085GP	DMVIG2A165GP DMVIG3A165GP
Flexible Pendant	3/4	VMVIG2HA055GP	DMVIG2HA085GP	DMVIG2HA165GP
Ceiling Mount	³ / ₄ 1	VMVIG2C055GP VMVIG3C055GP	DMVIG2C085GP DMVIG3C085GP	DMVIG2C165GP DMVIG3C165GP
Wall Mount	³ / ₄ 1	VMVIG2TW055GP VMVIG3TW055GP	DMVIG2TW085GP DMVIG3TW085GP	DMVIG2TW165GP DMVIG3TW165GP
Quad Mount	3/4	VMVIG25Q055GP	DMVIG25Q085GP	DMVIG25Q165GP
Stanchion Mount 25° Angle	11/2	VMVIGJ055GP	DMVIGJ085GP	DMVIGJ165GP
Stanchion Mount Straight	11/2	VMVIGP055GP	DMVIGP085GP	DMVIGP165GP
Luminaire with Globe and Guard less Mounting Module	_	VMVIG055GP	DMVIG085GP	DMVIG165GP

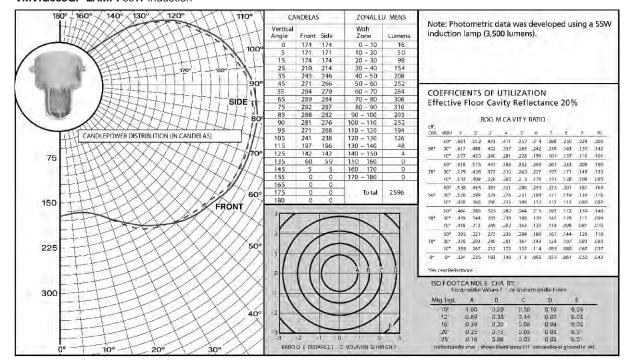
Add the voltage suffix to the above catalog number. Ex. - DMVIG2A085GP/120

Standard Voltage	Suffix	Range
120V, 50 / 60 Hz	/120	Operative range of 108–132 VAC
200V–277V, 50 / 60 Hz	/200 277	Operates on 208, 220, 230, 240, 277 VAC



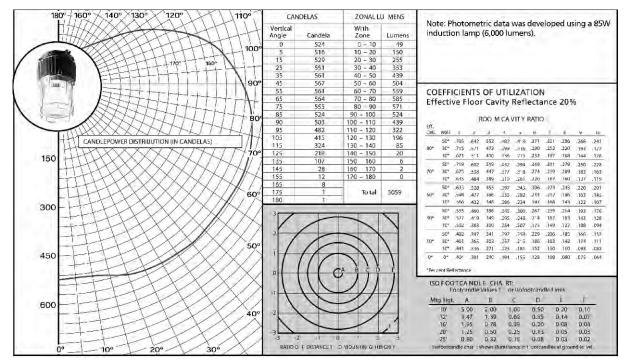
55 Watt Induction

Luminaire With Globe And Guard VMVIG055GP LAMP: 55W Induction



85 Watt Induction

Luminaire With Globe And Guard DMVIG085GP LAMP: 85W Induction



Photometric Data: For additional photometric information, see the Resources area of our website. Photometric .ies files for use with our Luxicon Lighting Layout Software are available to download.

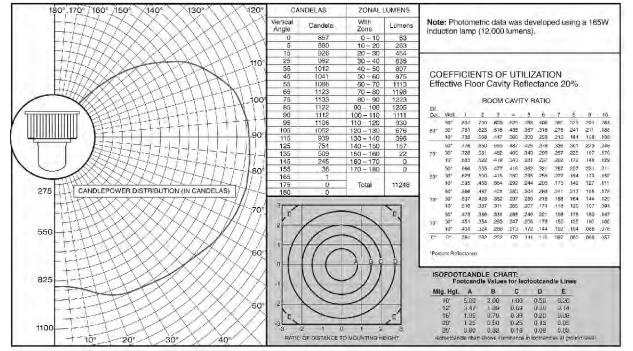


VMVIG and DMVIG Series

165 Watt Induction

Luminaire With Globe

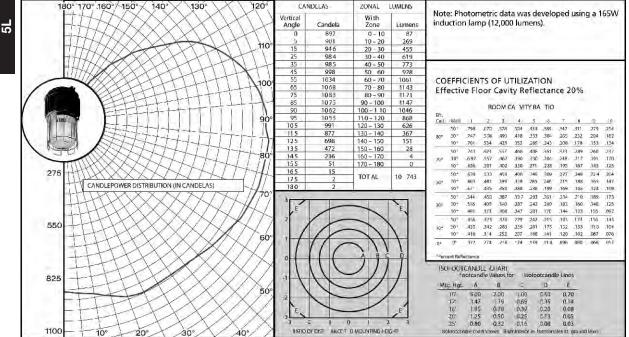
DMVIG165G Lamp: 165W Induction



165 Watt Induction

Luminaire With Globe And Guard

DMVIG165GP Lamp: 165W Induction



Photometric Data: For additional photometric information, see the Resources area of our website. Photometric .ies files for use with our Luxicon Lighting Layout Software are available to download.

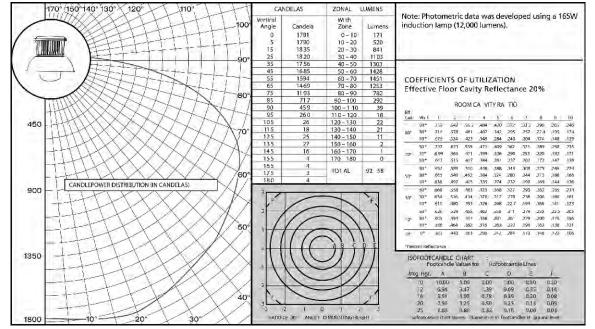




165 Watt Induction

Luminaire With Globe And RD739 Dome Reflector

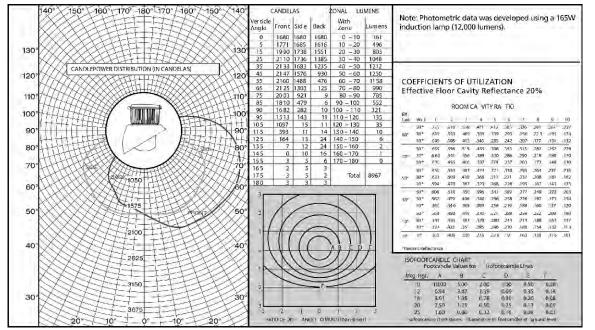
DMVIG165G Lamp: 165W linduction



165 Watt Induction

Luminaire With Globe And RA739 (30° Angle) Reflector

DMVIG165G Lamp: 165W Induction



Photometric Data: For additional photometric information, see the Resources area of our website. Photometric .ies files for use with our Luxicon Lighting Layout Software are available to download.

5

5L



Family Tree

VMVIG and DMVIG Series

