

**LUMINOUS
LINEAR
LIGHTING**

ILLUSIONS⁶

**6" DIAMETER LIGHT GUIDE
250W, 400W & LED PULSE START METAL HALIDE**

**DAMP RATED
ARCHITECTURAL ILLUMINATOR**



SPECIFICATIONS: AL6

Luminaire Housing - Ribbed extruded aluminum top and bottom panels for optimum cooling and die formed aluminum side panels fastened together with stainless steel fasteners create the enclosure.

Light guide - Luminous modules come in 90°, 120°, 180°, and 335° distributions. Maximum length is 40' and are supplied in 8' pieces. Modules have an outer shell of UV stabilized matte finished polycarbonate and includes a self-aligning connector tube that locks adjacent modules together.

Mounting - Luminaire can be surface, aircraft cable, pendent or wall mounted from and extended arm (36" max. for wall mount). All mounting hardware is supplied. .

Mounting Rail - A 1" x 1" rail is made of anodized extruded aluminum. Rails lock together with self-aligning connector brackets. Rail allows for surface, aircraft cable, pendent and extended arm mountings. The rail and connector brackets allow the modules to slide freely to compensate for linear thermal expansion and varying mounting positions.

Mounting Clamp - Clamp is mounted at every connector and easily mounts to rail with one aluminum fastener per clamp (Supplied). Clamp is painted semi-gloss white.

End Cap - A high reflectance mirror attached to a heavy gage anodized aluminum tube. Tube is designed to match luminous modules.

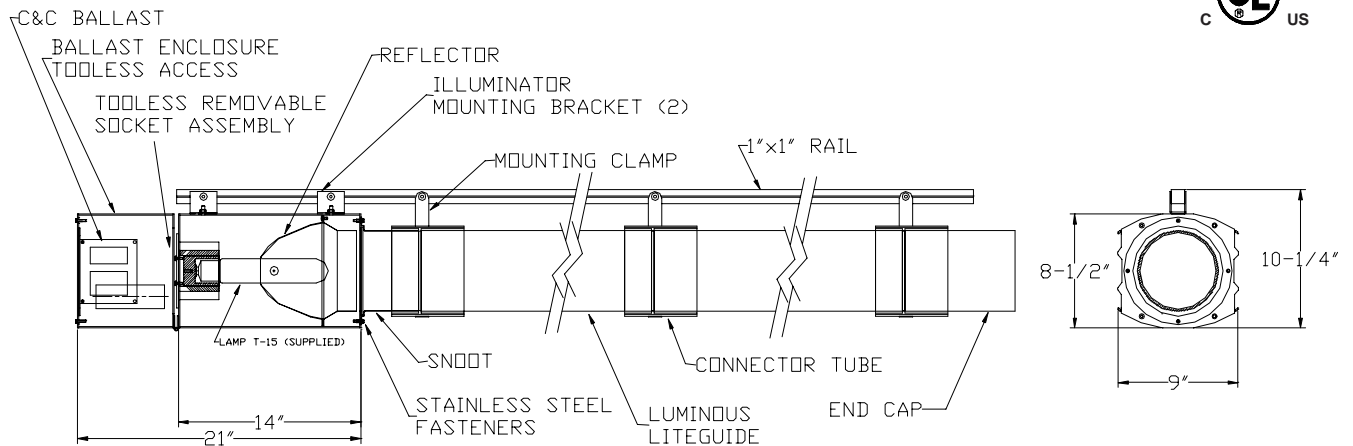
Electrical - A matching ribbed aluminum enclosure, same as luminaire housing, is used to enclose ballast. Enclosure hinges away by unhooking two (2) tool less stainless steel latches on side of enclosure. Ballast is high power factor, core & coil. Illuminator is shipped complete pre-wired and tested from factory. Remote NEMA 4 ballast housing is available as an option

Reflector - Computer aided design, highly polished aluminum alzak. Reflector is designed to optimize the spread illuminayion across span of Light guide modules for clean even distribution through Light guide.

Lamp - A T15 pulse start lamp in 250W or 400W (25,000 & 40,000 initial lumens) is supplied with the illuminator. For other lamps consult factory.

Illuminator Finish - All surfaces are pre-treated with a phosphate wash and semi-gloss texture powder coated to a 3 mil thickness. Other standard finishes are available (See Insight color chart). Two tone finishes are available (Consult factory).

Labels - Underwriters Laboratories and Canadian Standards approved for damp locations.



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AL6

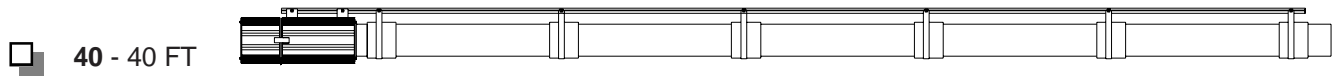
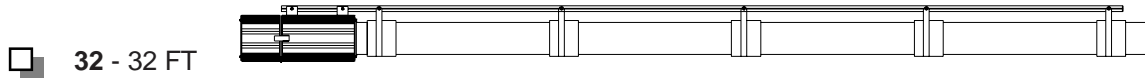
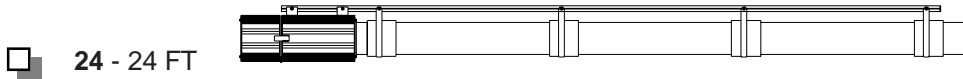
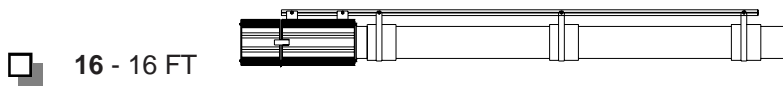
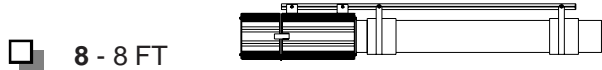
WATTAGE

250W

400W

LED

LIGHT GUIDE LENGTH



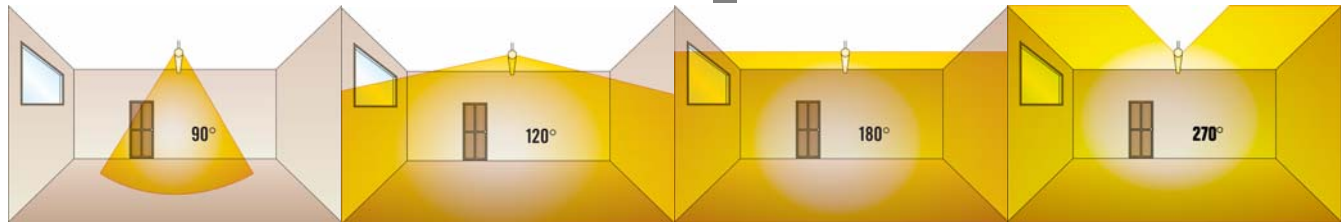
DISTRIBUTIONS (OTHER DISTRIBUTIONS AVAILABLE CONSULT FACTORY)

90°

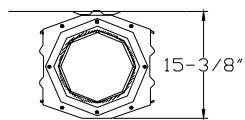
120°

180°

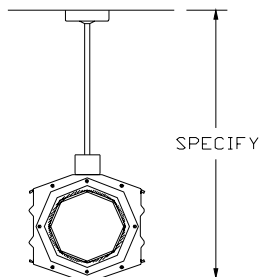
270°



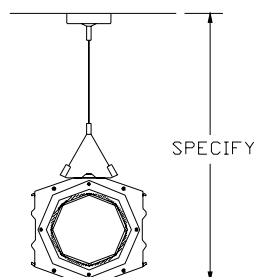
MOUNTING TYPES



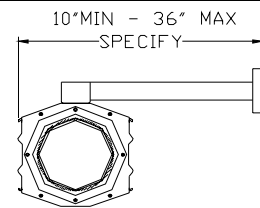
SM - SURFACE MOUNT



PN - (LENGTH ") PENDENT MOUNT SPECIFY LENGTH IN INCHES



AC - (LENGTH ") AIRCRAFT CABLE SPECIFY LENGTH



EA - (LENGTH ") EXTENDED ARM SPECIFY LENGTH IN INCHES



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ARCHITECTURAL ILLUMINATOR

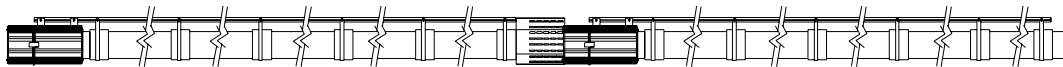
VOLTAGE

- 1 - 120V 2 - 277V 3 - 208V 4 - 240V 7 - 347V

FINISHES

- TW** - TEXTURED WHITE **TB** - TEXTURED BLACK **TBR** - TEXTURED DARK BRONZE **TLB** - TEXTURED LIGHT BRONZE
- TN** - TEXTURED NATURAL **TS** - TEXTURED SANDSTONE **SF** - SPECIFY FINISH SEE COLOR CHART **CC** - CUSTOM COLOR (CONSULT FACTORY)

TRANSITION OPTIONS

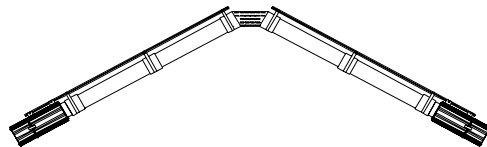


TIL - IN-LINE

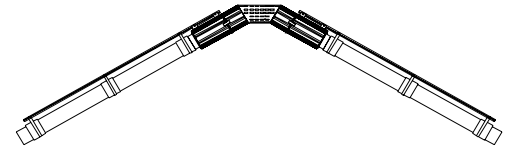


TIN - TWIN INTERIOR

VM
VERTICAL
MOUNTING
(CONSULT
FACTORY)



ATEX(°) - TWIN ANGLE EXTERIOR
(SPECIFY ANGLE) ILLUMINATOR



ATIN(°) - TWIN ANGLE INTERIOR
(SPECIFY ANGLE) ILLUMINATOR

OPTIONS

- REM** - NEMA REMOTE BALLAST **DC-R** RED **DC-B** BLUE **DC-G** GREEN **DC-Y** YELLOW **DC-SF** OTHER COLORS CONTACT FACTORY

SERIES	LAMP	LENGTH	DISTRIBUTION	MOUNTING TYPE	VOLTAGE	FINISH	OPTIONS
AL6	400W	24'	120	SM	2	TW	DC-R



ORDERING EXAMPLE: AL6 / 400W / 24 / 120 / SM / 2 / TW / DC-R

APPROVED: _____

PROJECT: _____

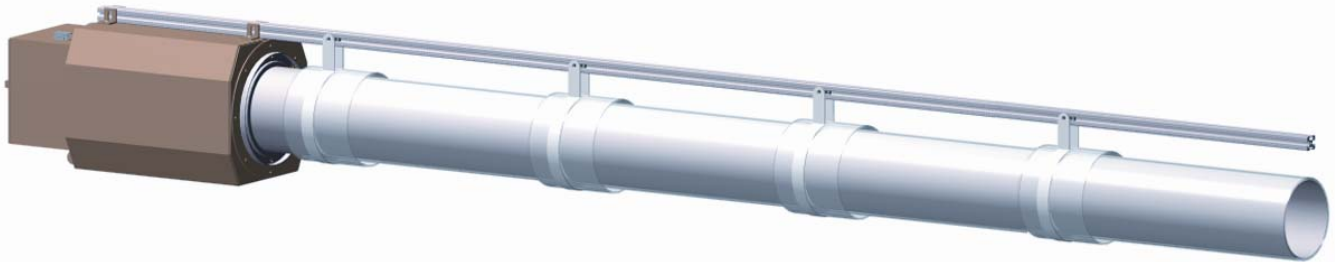
TYPE: _____

**LUMINOUS
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**6" DIAMETER LIGHT GUIDE
250W, 400W & LED PULSE START METAL HALIDE**

UL & IP67 WET LISTED ILLUMINATOR



SPECIFICATIONS: WL6

Luminaire Housing - Die formed non-corrosive aluminum. Seam welded and ground smooth. Housing is completely sealed with closed cell memory retentive gaskets.

Light guide - Luminous modules come in 90°, 120°, 180°, and 335° distributions. Maximum length is 40' and modules are supplied in 8' pieces. Modules have an outer layer of UV stabilized matte finished polycarbonate and includes a self-aligning connector tube that locks adjacent modules together.

Mounting - luminaire can be surface, pendent or wall mounted from an extended arm (36" max. for wall mount). All mounting hardware is supplied.

Mounting Rail - A 1" x 1" rail is made of anodized extruded aluminum. Rails lock together with self-aligning connector brackets. Rail allows for surface, pendent and extended arm mountings. The rail and connector brackets allows the modules to slide freely to compensate for linear thermal expansion and varying mounting positions.

Mounting Clamp - Clamp is mounted at every connector and easily mounts to rail with one aluminum fastener per clamp (Supplied). Clamp is painted semi-gloss white.

End Cap - A high reflectance mirror attached to a heavy gage anodized aluminum tube. Tube is designed to match luminous modules.

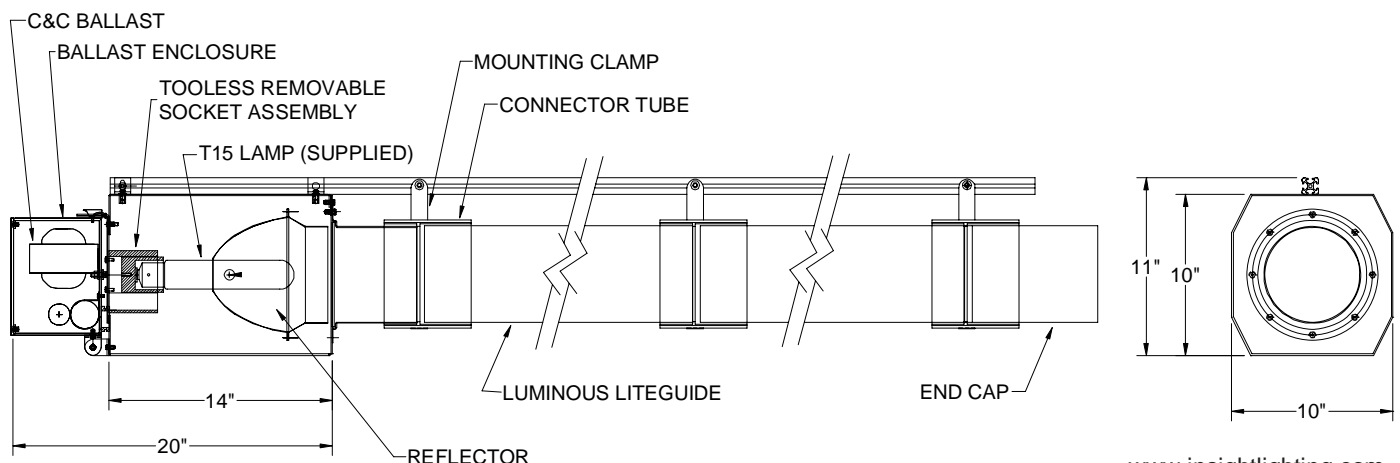
Electrical - Ballast is integral to luminaire. Enclosure is die formed and completely sealed with closed cell memory retentive gaskets. Enclosure easily hinges away for install and maintenance. Ballast is high power factor, core & coil. Luminaire is shipped completely pre-wired and tested from factory. Remote NEMA 4 ballast housing is available as an option.

Reflector - Computer aided design, highly polished aluminum alzak. Reflector is designed to optimize the spread light across span of Light guide modules for clean even distribution through light guide and down to desired illuminated area.

Lamp - A T15 pulse start lamp in 250W or 400W (25,000 40,000 initial lumens) is supplied with the illuminator. All lamps are 4000° kelvin. For other lamps consult factory.

Illuminator Finish - All surfaces are pre-treated with a phosphate wash and semi-gloss texture powder coated to a 3 mil thickness. Other standard finishes are available (See Insight color chart), custom finishes, and different gloss levels are also available (Consult factory).

Labels - Underwriters Laboratories and Canadian Standards approved for wet locations and European standard IP67 approved.



www.insightlighting.com
WL6-RVNC
09/09/05

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250W, 400W & LED PULSE START METAL HALIDE

UL & IP67 WET LISTED ILLUMINATOR

WL6

WATTAGE

250W

400W

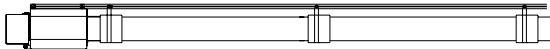
LED

LIGHT GUIDE LENGTHS

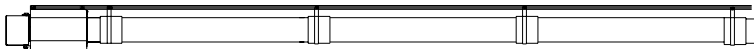
8 - 8 FT



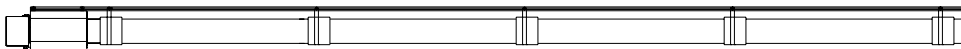
16 - 16 FT



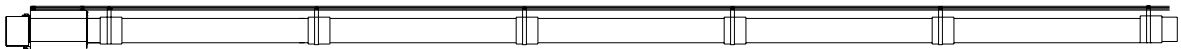
24 - 24 FT



32 - 32 FT



40 - 40 FT



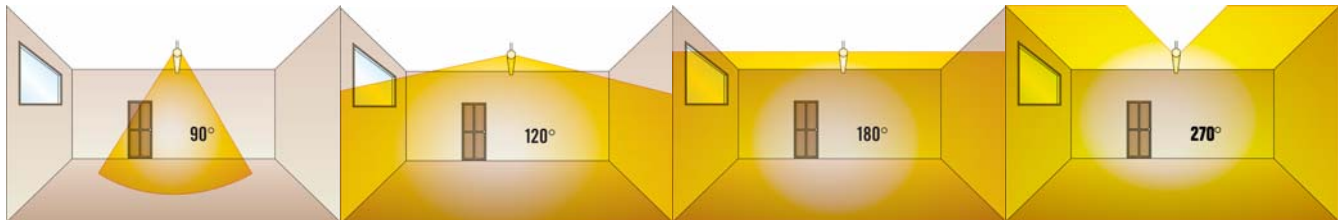
DISTRIBUTIONS (OTHER DISTRIBUTIONS AVAILABLE CONSULT FACTORY)

90°

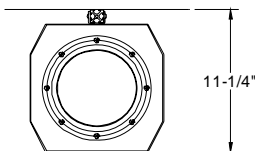
120°

180°

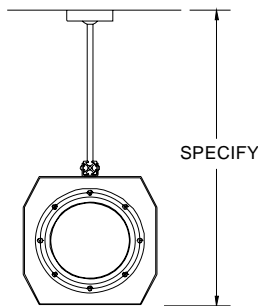
270°



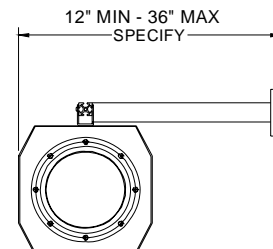
MOUNTING TYPES



SM - SURFACE MOUNT



**PN - (LENGTH ")
PENDENT MOUNT
SPECIFY LENGTH
IN INCHES**



**EA - (LENGTH ")
EXTENDED ARM
SPECIFY LENGTH
IN INCHES**



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250W, 400W & LED PULSE START METAL HALIDE

UL & IP67 WET LISTED ILLUMINATOR

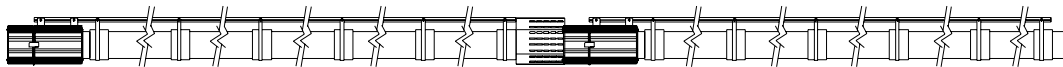
VOLTAGE

- 1 - 120V
- 2 - 277V
- 3 - 208V
- 4 - 240V
- 7 - 347V

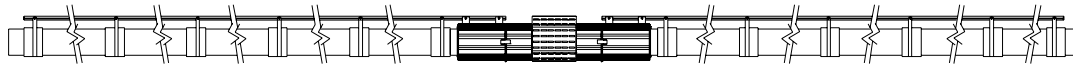
ILLUMINATOR FINISHES

- TW** - TEXTURED WHITE
- TB** - TEXTURED BLACK
- TBR** - TEXTURED DARK BRONZE
- TLB** - TEXTURED LIGHT BRONZE
- TN** - TEXTURED NATURAL
- TS** - TEXTURED SANDSTONE
- SF** - SPECIFY FINISH SEE COLOR CHART
- CC** - CUSTOM COLOR (CONSULT FACTORY)

TRANSITION OPTIONS

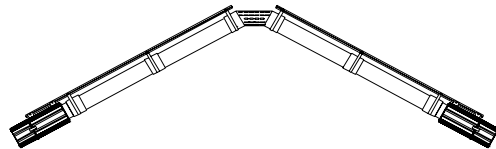


TIL - IN-LINE

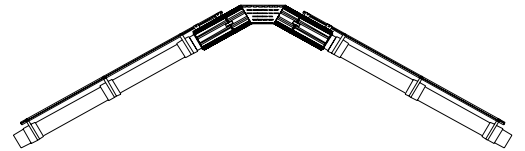


TIN - TWIN INTERIOR

VM
VERTICAL
MOUNTING
(CONSULT
FACTORY)



ATEX(°) - TWIN ANGLE EXTERIOR (SPECIFY ANGLE) ILLUMINATOR



ATIN(°) - TWIN ANGLE INTERIOR (SPECIFY ANGLE) ILLUMINATOR

OPTIONS

- REM** - NEMA 4 REMOTE BALLAST
- DC-R** RED
- DC-B** BLUE
- DC-G** GREEN
- DC-Y** YELLOW
- DC-SF** FOR OTHER COLORS CONTACT FACTORY

SERIES	LAMP	LENGTH	DISTRIBUTION	MOUNTING TYPE	VOLTAGE	FINISH	OPTIONS
WL6	400W	24'	120	SM	2	TW	DE-R

ORDERING EXAMPLE: WL6 / 400W / 24' / 120 / SM / 2 / TW / DC-R

APPROVED: _____

PROJECT: _____

TYPE: _____

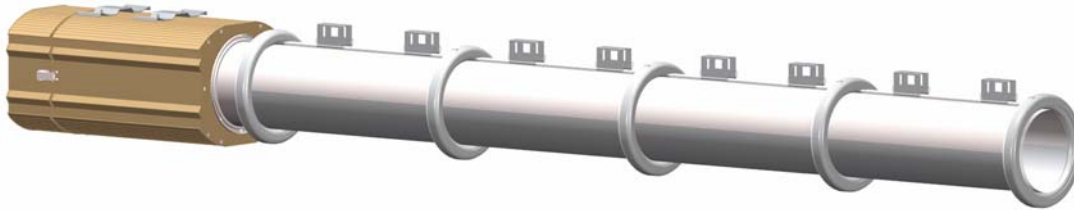


**LUMINOUS
LINEAR
LIGHTING**

ILLUSIONS¹⁰

10" DIAMETER LIGHT GUIDE
1000W METAL HALIDE

DAMP RATED ARCHITECTURAL ILLUMINATOR



SPE

Luminaire Housing - Ribbed extruded aluminum top and bottom panels for optimum cooling and die formed aluminum side panels fastened together with stainless steel fasteners create the enclosure.

Light guide - Luminous modules come in 90°, 120°, 180°, and 335° distributions. Maximum length is 66' and are supplied in 6-1/2' pieces. Modules have an outer sheet of UV stabilized matte finished polycarbonate and include a toolless coupling device to align and lock adjacent modules together.

Mounting - luminaire can be surface, aircraft cable, pendent or wall mounted from and extended arm (36" max. for wall mount). All mounting hardware is supplied. 3M / INSIGHT not responsible for contractors physical mounting of the system to structure.

Mounting Rail - A polycarbonate mounting rail permanently attached to the top of the light guide module serves as the attachment for the hanger bracket and allows for the hanger bracket to slide freely to compensate for linear thermal expansion and varying mounting positions.

Coupling Clamp - For connecting adjacent modules. Coupling clamp is made of white molded polycarbonate and is used to cover the light guide tube collars and seal light guide tube sections together without the use of tools.

Hanger Bracket - Used to suspend the light guide modules directly to support structure or to mounting hardware. The standard hanger bracket is designed to allow light guide modules to slide freely allowing for ballast thermal expansion. A labor saving bridge bracket can be specified to mount between the coupling clamp. The bridge bracket is a labor saving device that can reduce the number of mounting points by 40% and still allow for ballast thermal expansion.

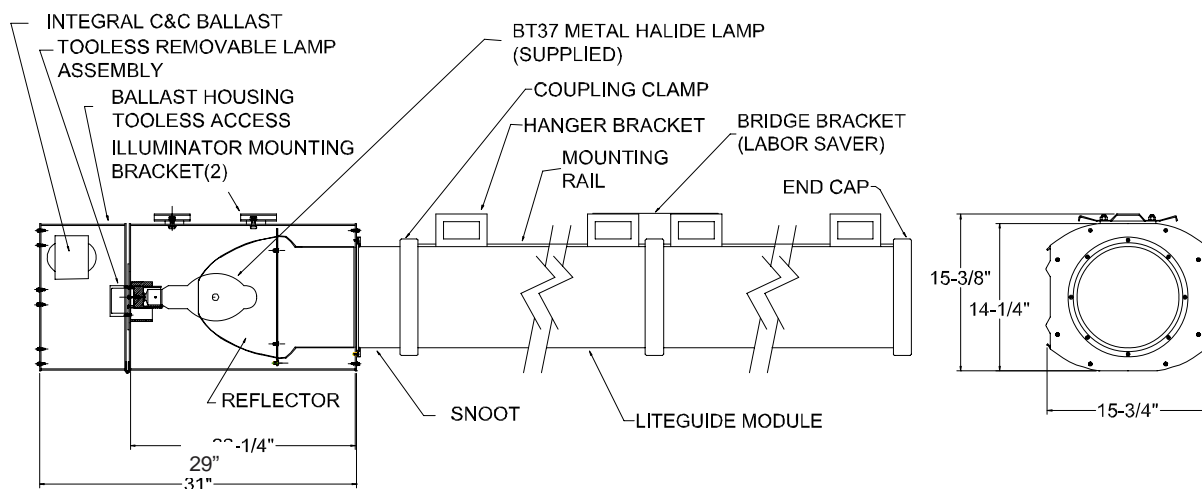
End Cap - A high reflectance mirror attached to a white molded polycarbonate disc is formed with tabs to match light guide tube collars..

Electrical - A matching ribbed aluminum enclosure as luminaire housing is mounted at rear of Luminaire housing is used to enclose ballast. Enclosure hinges away by unhooking two (2) toolless stainless steel latches on side of enclosures. Ballast is high power factor, core & coil. Luminaire is shipped complete pre-wired and tested from factory. Remote NEMA ballast housing is available.

Reflector - Computer aided design, highly polished aluminum Alzak. Reflector is designed to optimize the spread illumination across span of light guide modules for clean even distribution through light guide

Lamp - A 1000W metal halide 110,000 initial lumen, mogul base BT37 lamp is supplied with Illuminator. A T25 metal halide lamp is available as an option.

Illuminator Finish - All surfaces are pre-treated with a phosphate wash and semi-gloss texture powder coated to a 3 mil thickness.



**LUMINOUS
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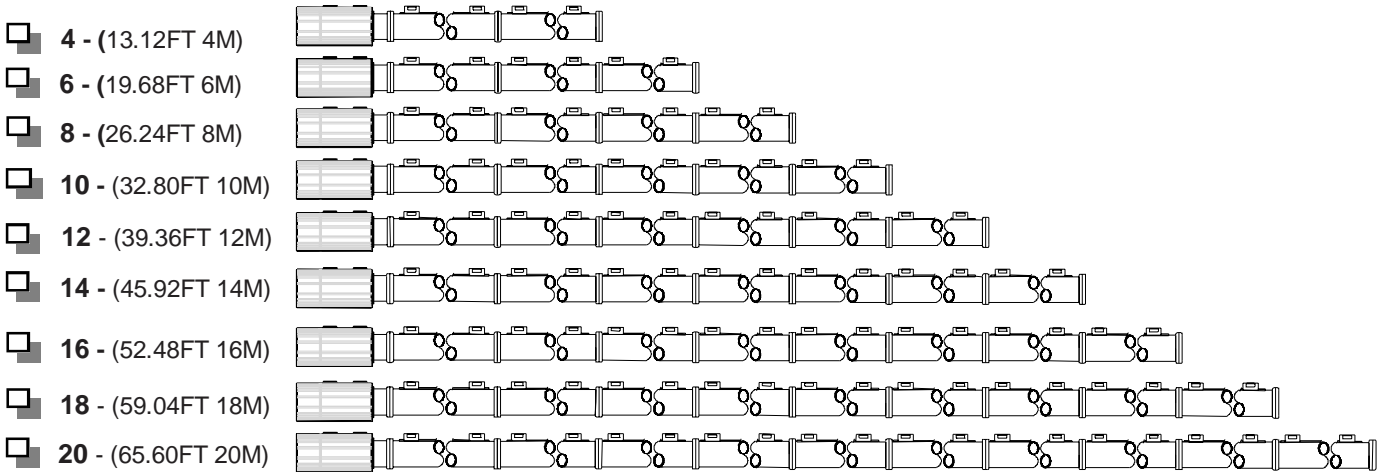
**10" DIAMETER LIGHT GUIDE
1000W METAL HALIDE**

DAMP RATED ARCHITECTURAL ILLUMINATOR

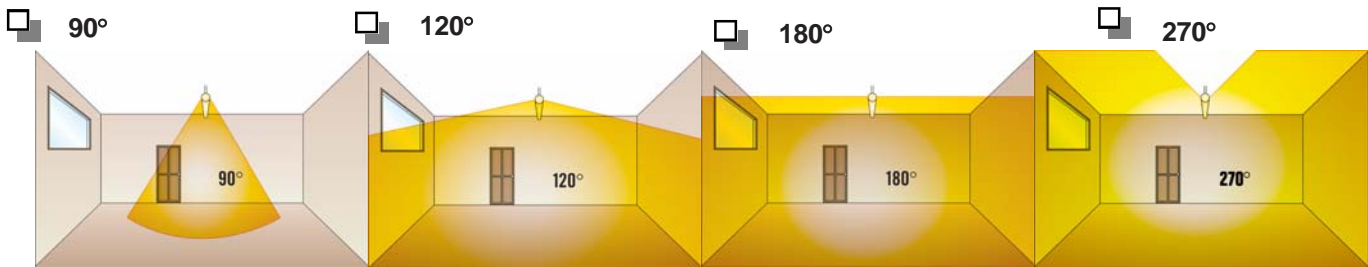
AL10

Luminaire is supplied with a 1000W, BT37 metal halide, 110,000 initial lumens, 4000°Kelvin lamp. A T25 lamp is available (Contact factory)

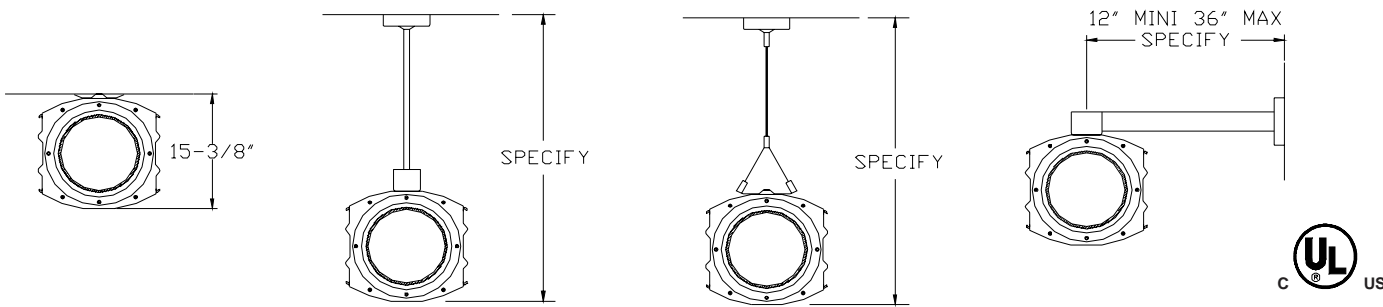
LIGHT GUIDE



DISTRIBUTIONS (OTHER DISTRIBUTIONS AVAILABLE CONSULT FACTORY)



MOUNTING TYPES



SM - SURFACE MOUNT

PN - (LENGTH ")
PENDENT MOUNT
SPECIFY LENGTH
IN INCHES

AC - (LENGTH ")
AIRCRAFT CABLE
SPECIFY LENGTH
IN INCHES

EA - (LENGTH ")
EXTENDED ARM
SPECIFY LENGTH
IN INCHES

SCBH - SURFACE
BRIDGE HANGER
LABOR SAVER

PNBH - (LENGTH ")
PENDENT BRIDGE
HANGER LABOR SAVER.
SPECIFY LENGTH IN
INCHES

ACBH - (LENGTH ")
AIRCRAFT CABLE BRIDGE
HANGER
LABOR SAVER. SPECIFY
LENGTH IN INCHES

EABH - (LENGTH ")
EXTENDED ARM
BRIDGE HANGER
LABOR SAVER.
SPECIFY LENGTH IN INCHES

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LIGHTING**

ILLUSIONS¹⁰

**10" DIAMETER LIGHT GUIDE
1000W METAL HALIDE**

DAMP RATED ARCHITECTURAL ILLUMINATOR

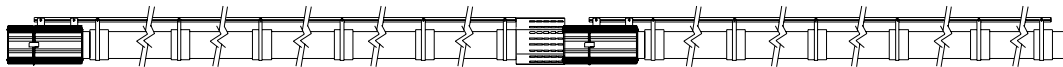
VOLTAGE

- 1 - 120V
- 2 - 277V
- 3 - 208V
- 4 - 240V
- 7 - 347V

FINISHES

- TW** - TEXTURED WHITE
- TB** - TEXTURED BLACK
- TBR** - TEXTURED DARK BRONZE
- TLB** - TEXTURED LIGHT BRONZE
- TN** - TEXTURED NATURAL
- TS** - TEXTURED SANDSTONE
- SF** - SPECIFY FINISH SEE COLOR CHART
- CC** - CUSTOM COLOR (CONSULT FACTORY)

TRANSITION OPTIONS

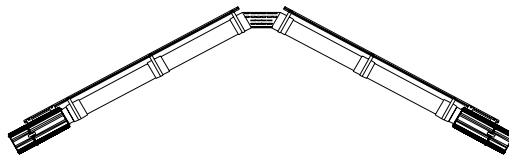


TIL - IN-LINE

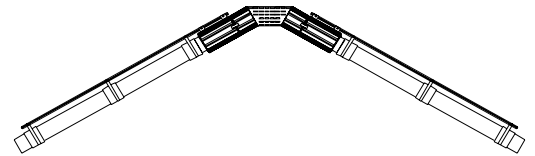


TIN - TWIN INTERIOR

VM
VERTICAL MOUNTING
(CONSULT FACTORY)



ATEX(°) - TWIN ANGLE EXTERIOR (SPECIFY ANGLE) ILLUMINATOR



ATIN(°) - TWIN ANGLE INTERIOR (SPECIFY ANGLE) ILLUMINATOR

OPTIONS

- REM** - NEMA REMOTE BALLAST
- DC-R** RED
- DC-B** BLUE
- DC-G** GREEN
- DC-Y** YELLOW
- DC-SF** FOR OTHER COLORS CONTACT FACTORY

TYPE	LAMP	LENGTH	DISTRIBUTION	MOUNTING TYPE	VOLTAGE	FINISH	OPTIONS
AL10	1000W	20'	120	SM	2	TW	DC-R



ORDERING EXAMPLE: AL10 /1000W/ 20' / 120 / SM / 2 / TW / DC-R

APPROVED: _____

PROJECT: _____

TYPE: _____



a 3M / INSIGHT alliance

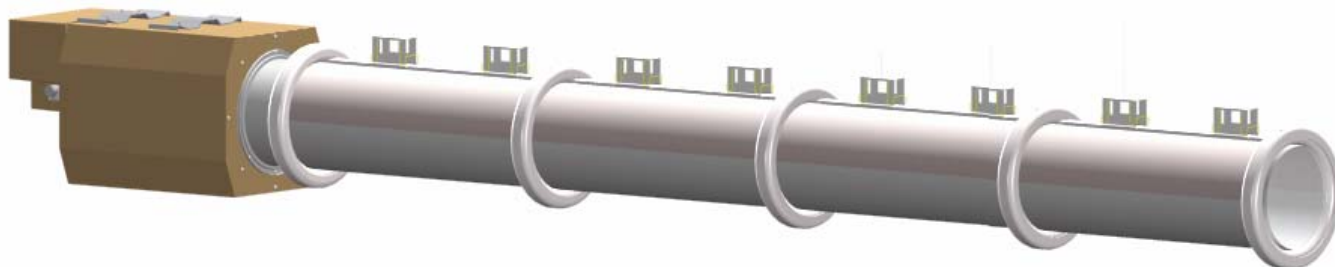
www.insightlighting.com
AL10-RVNC
09/09/05

LINEAR LUMINOUS LIGHTING

ILLUSIONS¹⁰

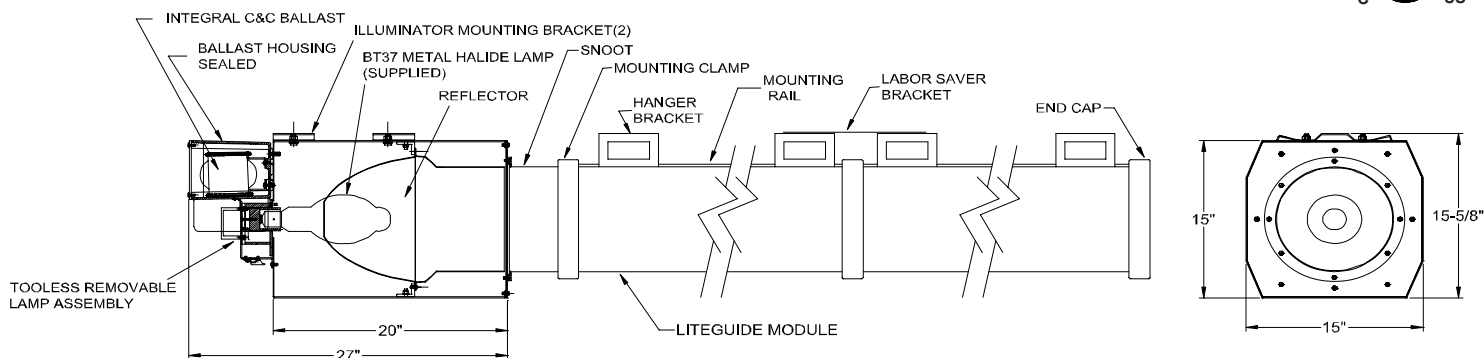
10" DIAMETER
1000W INTEGRAL METAL HALIDE

UL & IP65 WET LISTED ILLUMINATOR



SPECIFICATIONS: WL10

- **Luminaire Housing** Die formed metal non-corrosive aluminum. Seam welded and completely sealed with closed cell memory retentive gaskets.
- **Light guide** Modules come in 90°, 120°, 180°, and 335° distributions. Modules have an outer shell of UV stabilized, matte finished polycarbonate and include a toll less coupling clamp to align and lock adjacent modules together.
- **Mounting** Luminaire can be surface, pendent or wall mounted from extended arms (36" max. for wall mount).
- **Mounting Rail** A polycarbonate mounting rail permanently attached to the top of the light guide serves as the attachment for the hanger bracket and allows for the hanger bracket to slide freely to compensate for linear thermal expansion and varying mounting positions.
- **Coupling Clamp** For connecting adjacent modules. Coupling clamp is made of white molded polycarbonate and is used to cover the light guide collars and seal the sections together without the use of tools.
- **End Cap** A high-reflectance mirror attached to a white molded polycarbonate disc is formed with tabs to match the mounting clamp.
- **Hanger Bracket** Used to suspend the light guide modules directly to support structure or to mounting hardware. The standard hanger bracket is designed to allow light guide modules to slide freely allowing for linear thermal expansion. A labor saving bridge bracket can be specified to mount between the coupling clamp. The bridge bracket is a labor saving device that can reduce the number of mounting points by 40% and allows for thermal expansion.
- **Electrical** Ballast is integral to luminaire, high power factor, pre-wired and tested at factory before shipment. Remote NEMA 4 ballast housing is available as an option.
- **Reflector** Computer aided design, highly polished aluminum Alzak.
- **Lamp** Easily installed and maintained by a toll less closer system at rear of illuminator housing. The illuminator is supplied with a mogul base BT37, 1000W metal halide lamp. 110,000 initial lumens and 4000° K color temperature. The choice of a T25, 1000W metal halide lamp is available (Consult factory).
- **Illuminator Finish** All surfaces are pretreated with a phosphate wash and texture powder painted to a 3 mil thickness. Other standard finishes are available (See Insight color chart).
- **Labels** Illuminator is Underwriters Laboratories and Canadian Standards approved for wet locations and European standard IP65 rated.



LUMINOUS LINEAR LIGHTING

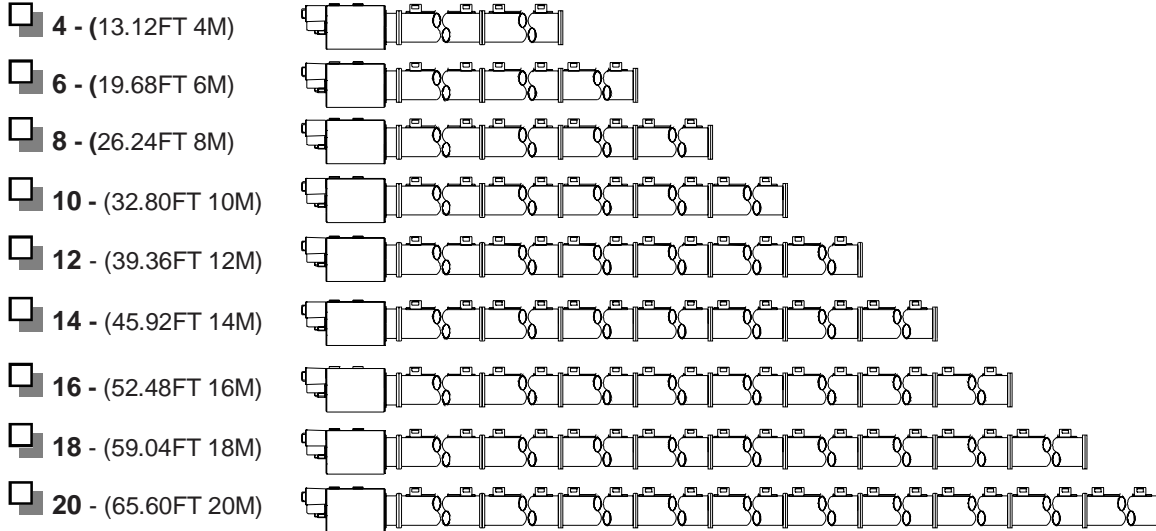
ILLUSIONS¹⁰

10" DIAMETER
1000W INTEGRAL METAL HALIDE UL & IP65 WET LISTED ILLUMINATOR

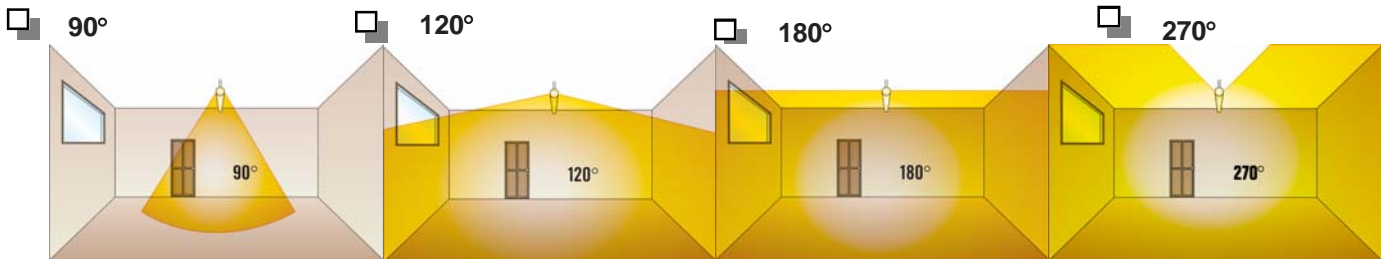
WL10

Luminaire is supplied with a 1000W, BT37 metal halide, 110,000 initial lumens, 4000°Kelvin lamp. A T25 lamp is available (Contact factory)

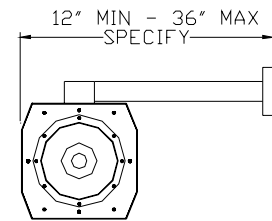
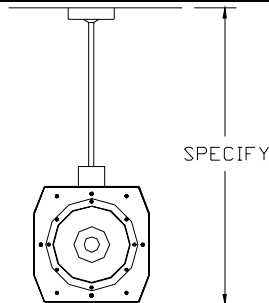
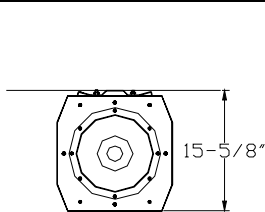
LIGHT GUIDE



DISTRIBUTIONS (OTHER DISTRIBUTIONS AVAILABLE CONSULT FACTORY)



MOUNTING TYPES



SM - SURFACE MOUNT

SCBH - SURFACE
BRIDGE HANGER
LABOR SAVER

PN - (LENGTH ")
PENDENT MOUNT SPECIFY
LENGTH IN INCHES

PNBH - (LENGTH ")
PENDENT BRIDGE
HANGER LABOR SAVER.
SPECIFY LENGTH IN
INCHES

EA - (LENGTH ")
EXTENDED ARM
SPECIFY LENGTH
IN INCHES

EABH - (LENGTH ")
EXTENDED ARM
BRIDGE HANGER
LABOR SAVER.
SPECIFY LENGTH IN INCHES

**LUMINOUS
LINEAR
LIGHTING**

ILLUSIONS¹⁰

10" DIAMETER
1000W INTEGRAL METAL HALIDE UL & IP65 WET LISTED ILLUMINATOR

VOLTAGES

- 1 - 120V
- 2 - 277V
- 3 - 208V
- 4 - 240V
- 7 - 347V

ILLUMINATOR FINISH

- TW**
TEXTURED
WHITE
- TBL**
TEXTURED
BLACK
- TBR**
TEXTURED
BRONZE
- TLB**
TEXTURED
LIGHT BRONZE
- TN**
TEXTURED
NATURAL
- TS**
TEXTURED
SANDSTONE
- SF**
SPECIFY FINISH
SEE COLOR CHART
- CC**
CUSTOM COLOR
(CONSULT FACTORY)

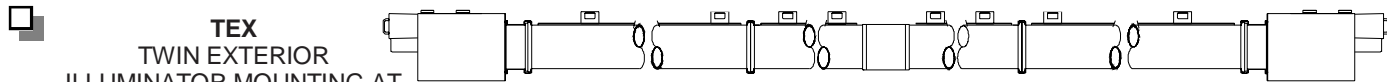
TRANSITION COVER OPTIONS



TIL
IN-LINE
MOUNTING

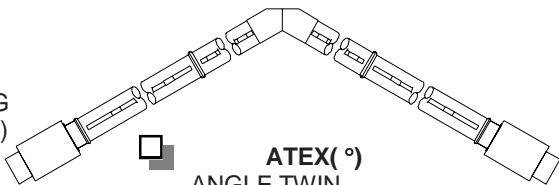


TIN
TWIN INTERIOR
BACK TO BACK
ILLUMINATOR MOUNTING

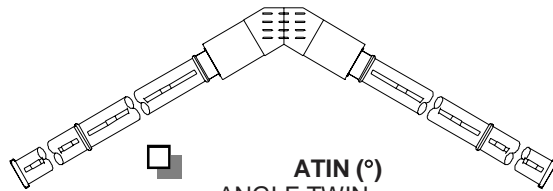


TEX
TWIN EXTERIOR
ILLUMINATOR MOUNTING AT
OUTSIDE END OF TUBE RUNS

VM
VERTICAL MOUNTING
(CONSULT FACTORY)



ATEX(°)
ANGLE TWIN
EXTERIOR
(SPECIFY ANGLE)
ILLUMINATOR MOUNTING AT
OUTSIDE END OF TUBE RUNS



ATIN(°)
ANGLE TWIN
INTERIOR
(SPECIFY ANGLE)
BACK TO BACK
ILLUMINATOR MOUNTING

OPTIONS

- REM - NEMA 4
REMOTE BALLAST
- DC-R RED
- DC-B BLUE
- DC-G GREEN
- DC-Y YELLOW
- DC-SF FOR OTHER
COLORS CONTACT
FACTORY

SERIES	LAMP	LENGTH	DISTRIBUTION	MOUNTING TYPE	VOLTAGE	FINISH	OPTIONS
WL10	1000W	20'	90	PNBH-42"	2	TW	DC-G

ORDERING EXAMPLE: WL10 / 20 / 90 / PNBH-42" / 2 / TW / DC-G

APPROVED: _____
PROJECT: _____
TYPE: _____



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WL10-RVNC
09/09/05