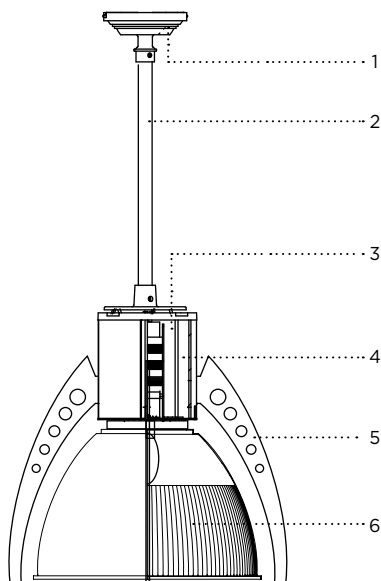


TYPE: \_\_\_\_\_ QUANTITY: \_\_\_\_\_ PROJECT: \_\_\_\_\_

CATALOG NUMBER:

FIXTURE WATTAGE VOLTAGE FINISH OPTION OPTION OPTION OPTION



Ceiling pendant luminaire with a choice of clear acrylic refractor or an anodized aluminum reflector with two part inner surface treatment. Upper etched surface combined with multi-faceted specular lower part. Optional attachments and accessories are available to customize and adapt each luminaire to particular design requirements.

- Standard heavy duty 45° hang straight swivel, with 5" diameter (127) canopy and universal mounting plate.
- 7/8" diameter (22) X 36" Lg. (914) suspension stem. Precut factory stems are available on request. (Specify STM with desired length)
- Cast aluminum removable top cover for quick maintenance.
- Extruded aluminum ballast housing module with a fine linear stria pattern.
- Set of four cast aluminum perforated decorative arms.
- TR1701:** Clear acrylic refractor.  
**TR1702:** Aluminum reflector.  
Inner surface: High performance multi-faceted specular anodized.  
Exterior surface: Satin anodized natural aluminum.  
Alternate exterior finish (Option RP6)

TR1701



TR1702



## MATERIALS

Torx is made of an extruded aluminum ballast housing designed to optimize functionality of electrical components.

Torx is available with a choice of two interchangeable reflectors.

- A clear acrylic refractor with a linear peripheral pattern providing general upward illumination with efficient down lighting.
- An aluminum reflector designed to optimize light source performance and uniformity.

## ELECTRICAL

### METAL HALIDE

**BALLAST** Electronic 120/277V multi volt or 347V (50-60HZ) up to 150W. Pulse start magnetic ballast for 175W and higher, with a minimum starting temperature of -22°F/-30°C including end of life protection.

**SOCKET** Medium or mogul base pulse rated 4kV porcelain body with a nickel plated screw shell and center contact rated 600V. Supplied with 200°C leads.

### COMPACT FLUORESCENT (CFL)

**BALLAST** Electronic 120/277V multi volt, or 347V (50-60HZ) with end of life protection. Minimum starting temperature of 0°F/-18°C.

**SOCKET** Thermoplastic body rated for 75W-600V. Supplied with 105°C leads.

## FINISH

Polyester powder coating is applied through an electrostatic process and oven cured for long term finish.

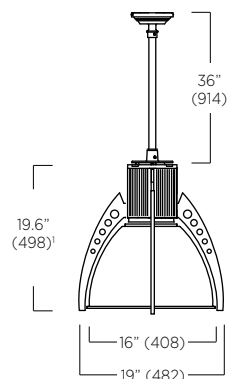
## MOUNTING

Maximum weight: 14.5lbs (6.6kg)

Mounts on a standard 4" (102) octagonal electrical box with 3 1/2" (89) C/C mounting holes.

## CERTIFICATION

Tested to UL1598 and CSA 22.2 #250. ETL listed damp location. CE certification on request. Rated IP41.

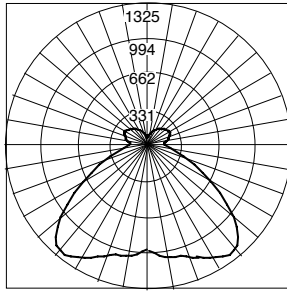


1. Dimension for 175MH/PS = Add. 2" (50)

# TR1701/TR1702

TORX 16 - HID/CFL

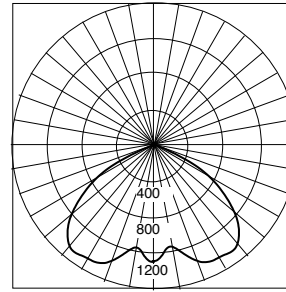
## TYPICAL PHOTOMETRY SUMMARY



**Descriptive Information**  
 Total initial Lms: 5200 Lumens (1 lamp)  
 Total watts.: 70 W  
 Lamps: Comp. Fluorescent  
 Total efficiency: 91%  
 Max Spacing ratio: 1.7  
 CIE Type: Direct

TR1701-F170

Outdoor report Polar graph  
 Maximum Candela = 1325 Located at 35°




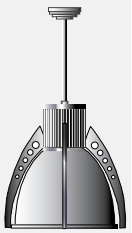
**Descriptive Information**  
 Total initial Lms: 5200 Lumens (1 lamp)  
 Total watts.:70 W  
 Lamps: Comp. Fluorescent  
 Total efficiency: 81.5%  
 Max Spacing ratio: 1.7  
 CIE Type: Direct

TR1702-F170

Outdoor report Polar graph  
 Maximum Candela = 1425 Located at 35°

Please visit our web site [www.luminis.com](http://www.luminis.com) for complete I.E.S. formatted download data.

## LUMINAIRE SELECTION

MODEL#	LAMP SELECTION <sup>1</sup>	VOLTAGE <sup>2</sup>	FINISH																																			
 <input type="checkbox"/> TR1701	<b>METAL HALIDE</b> <table border="1"> <thead> <tr> <th>SUFFIX</th> <th>WATTS</th> <th>LAMP</th> <th>ANSI</th> </tr> </thead> <tbody> <tr> <td><input type="checkbox"/> M70E</td> <td>70W</td> <td></td> <td>M98</td> </tr> <tr> <td><input type="checkbox"/> M100E</td> <td>100W</td> <td>ED17</td> <td>M90</td> </tr> <tr> <td><input type="checkbox"/> M150E</td> <td>150W</td> <td>(Open rated)</td> <td>M102</td> </tr> <tr> <td><input type="checkbox"/> M175PS</td> <td>175W</td> <td></td> <td>M152</td> </tr> </tbody> </table>	SUFFIX	WATTS	LAMP	ANSI	<input type="checkbox"/> M70E	70W		M98	<input type="checkbox"/> M100E	100W	ED17	M90	<input type="checkbox"/> M150E	150W	(Open rated)	M102	<input type="checkbox"/> M175PS	175W		M152	<input type="checkbox"/> 120V <input type="checkbox"/> 277V <input type="checkbox"/> 347V <sup>3</sup>	<b>STANDARD COLORS</b> <input type="checkbox"/> WHT Snow white <input type="checkbox"/> BKT Jet black <input type="checkbox"/> BZT Bronze <input type="checkbox"/> MST Matte silver <input type="checkbox"/> GRT Titanium gray <input type="checkbox"/> DGT Gun metal <input type="checkbox"/> CHT Champagne															
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<b>COMPACT FLUORESCENT</b> <table border="1"> <tbody> <tr> <td><input type="checkbox"/> F142</td> <td>1X42W</td> <td></td> <td></td> </tr> <tr> <td><input type="checkbox"/> F157</td> <td>1X57W</td> <td></td> <td></td> </tr> <tr> <td><input type="checkbox"/> F170</td> <td>1X70W</td> <td></td> <td></td> </tr> <tr> <td><input type="checkbox"/> F232</td> <td>2X32W</td> <td rowspan="4">Gx24q Lamp base</td> <td></td> </tr> <tr> <td><input type="checkbox"/> F242</td> <td>2X42W</td> <td></td> </tr> <tr> <td><input type="checkbox"/> F257</td> <td>2X57W</td> <td></td> </tr> <tr> <td><input type="checkbox"/> F270</td> <td>2X70W</td> <td></td> </tr> <tr> <td><input type="checkbox"/> F426</td> <td>4X26W</td> <td></td> <td></td> </tr> <tr> <td><input type="checkbox"/> F432</td> <td>4X32W</td> <td></td> <td></td> </tr> <tr> <td><input type="checkbox"/> F442</td> <td>4X42W</td> <td></td> <td></td> </tr> </tbody> </table>	<input type="checkbox"/> F142	1X42W			<input type="checkbox"/> F157	1X57W			<input type="checkbox"/> F170	1X70W			<input type="checkbox"/> F232	2X32W	Gx24q Lamp base		<input type="checkbox"/> F242	2X42W		<input type="checkbox"/> F257	2X57W		<input type="checkbox"/> F270	2X70W		<input type="checkbox"/> F426	4X26W			<input type="checkbox"/> F432	4X32W			<input type="checkbox"/> F442	4X42W			<b>OPTIONAL COLORS</b> <input type="checkbox"/> CS Custom color <input type="checkbox"/> RAL RAL# color (Refer to color chart)
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<input type="checkbox"/> F442	4X42W																																					
 <input type="checkbox"/> TR1702																																						

## OPTIONS (Refer to page 3 for details)

### ELECTRICAL

- DM1** One lamp dimming 26/32/42W 120/277V (Philips Mark X)
- DM2** Two lamp dimming 26/32/42W 120/277V (Philips Mark X)
- DM3** One lamp dimming 57/70W 120/277V (Philips Mark X)
- DM4** Two lamp dimming 57W 120/277V (Philips Mark X)
- DMY** Other types of dimming ballasts (See page 3)
- EM** Integral emergency battery back-up - 1 lamp (26/32/42W) 90 min.
- FS** Fuse
- DS1** Separate lamp switching (2 lamp models)
- DS2** Separate lamp switching in pairs (4/6/8 lamp models)
- QRS** Quartz lamp standby restrrike. Max. 100W bayonet lamp. 120-277V
- QS** 120V Max. 100W bayonet lamp base for emergency external power

### NOTES

- 1- Unless specified, lamps are not included with luminaires.
- 2- Luminaires are factory prewired for 120V unless otherwise specified.
- 3- 347V on request.

### MOUNTING

- CK** Surface ceiling mount
- STC** Safety cable
- STM** Longer hang straight stem. Please add length with option suffix.
- SPG** Silver braided power cord with adjustable suspension cable. 36" in length (other lengths on request)

### ACCESSORIES

- BC16** Aluminum lower diffuser band (same color as luminaire)
- D16** Clear prismatic bottom conical lens
- GL16** Zinc plated concentric ring guard
- L16T** Frosted flat bottom lens (with center opening)
- LB16** Cross blade louver (same color as luminaire)
- RP6** Inner reflector specular aluminum. Exterior same color as luminaire (only available on TR1702).
- W16** Frosted acrylic refractor (only available on TR1701)
- UH** Housing height adjusted to EM model types (applicable to non-EM fixture type for uniform fixture height)

# LUMINIS®

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 260 Labrosse, Pointe-Claire (QC) Canada H9R 5L5

LUMINIS.COM

Luminaires may be altered for design improvement or discontinued without prior notice.  
 Unless specified, lamps are not included with luminaires.

## OPTIONS

### MOUNTING



**CK**  
Ceiling surface mounting conversion kit  
Max. Watts: 70 MH or 2X42w CFL  
Max. Watts with D16-L16 options 50MH or 2X32w CFL




**STM**  
Factory cut to size stems up to 144" lg. (Specify length with STM option suffix. Longer stems are available with coupling. Please consult factory.) 36" lg. Standard stems can be shortened on site.




**SPG**  
4/18 X 36" lg. Silver braided power cable C/W on site adjustable suspension cables. Longer suspension available on request.

### ACCESSORIES



**D16**  
Clear prismatic bottom conical lens with nickel plated clamp ring



**L16**  
Frosted acrylic flat bottom lens with 3" dia. center opening.




**LB16T**  
Cross blade louver (Same color as luminaire)



TR1701 Only  
**BC16**  
Aluminum lower diffuser band (Same color as luminaire)

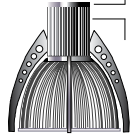


TR1702 Only  
**RP6**  
Inner reflector specular aluminum Exterior same color as luminaire



**GL16**  
Zinc plated flat concentric ring guard

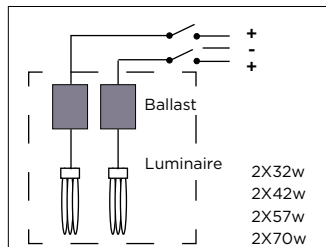
### ELECTRICAL



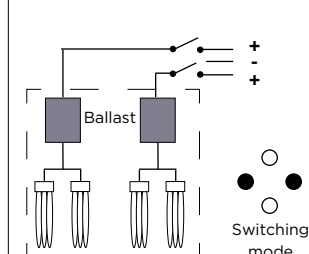
**EM**  
1 lamp (26/32/42W) 90 mnts. Integral emergency battery back-up. Overall dimension is increased by 2" (50) from nominal std. length to accommodate EM ballast.  
1X32W 575 Lumens  
1X42W 750 Lumens  
120/277V only

**Standard connection:**  
Test switch and indicator light are installed with luminaire. Factory pre wired for unswitched luminaire  
57W and 70W available with remote EM ballast on request

**Option UH:** Uniform OAL with non EM ballast luminaire for same installation is available. All Non EM luminaires will be increased by 2".

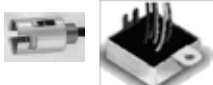


**DS1**  
2X32/42/57/70W  
Luminaire with 2 lamps. Each lamp is separately controlled externally. This option requires 1 ballast per lamp



**DS2**  
4X26/32/42W  
Luminaire with 4 lamps. Each set of 2 lamps is separately controlled externally.

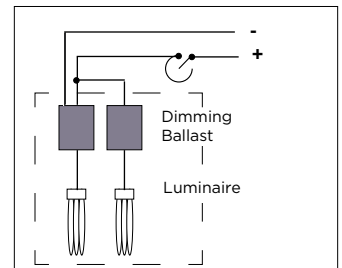
### ELECTRICAL



**QRS**  
Quartz restrike standby lamp kit. Power failure: The quartz lamp is energized. Power is restored: Quartz lamp will shut off as H.I.D. Light resumes to full light emission. Max. 100W DC Bayonet base. (Lamp is not included.) (Not applicable with CFL lamps.)



**QS**  
BA15d DC bayonet socket (Quartz lamp not included.) 120V Emergency input power. Separate dedicated wiring for external control. May be used for H.I.D or CFL lamps. Max. 100W



**DM4 (Mark X)**  
2X57W 120V or 277V Dimming ballast. Controlled externally. This option requires 1 ballast per lamp

**DM1/DM2/DM3 (Mark X)**  
One dimming ballast for one or two lamps. Mark VII Dimming ballast on request



**DMY**  
Other types of ballasts or dimming ballasts such as 0-10V Mark VII or Lutron or other brands are available. Please specify ballast type with DMY option suffix. (Some restrictions may apply)

