

## FEATURES AND BENEFITS

- Specification grade construction and optical system provides exceptional light distribution for smooth, even luminance
- Excellent color rendering with >80 CRI
- Longer life with up to 90% savings over conventional lighting sources, significantly reducing maintenance costs
- Mounting system allows safe, easy installation
- CSA certified for damp locations
- Made in the USA of US and Imported Parts

## MECHANICAL

**Housing:** Fabricated of 18 gauge steel, one-piece welded construction. Finish is pretreated, powder coat paint. All internal metal brackets are constructed of heavy-duty 16 gauge galvanized steel.

**Reflector:** Proprietary designed, spun 16GA, polished anodized aluminum in narrow, medium and wide distributions for different applications. Available in clear Alzak®, semi-spec and diffused finish. Additional colors are also available.

**Lens:** Optional frosted or transparent.

## ELECTRICAL

**LED Light Engine:** The CLS utilizes a high efficacy LED light engine with CRI of >80 and 50,000 hours at L70. For available color temperatures see ordering information.

**LED Driver:** For dimming options and protocols see ordering key on next page. Consult factory for additional specifications.

## WARRANTY

10 year limited warranty on luminaire. Pass through warranties on components when used in accordance with manufacturing guidelines. See [www.lumenoptix.com](http://www.lumenoptix.com) for details.

## LABELS & LISTINGS



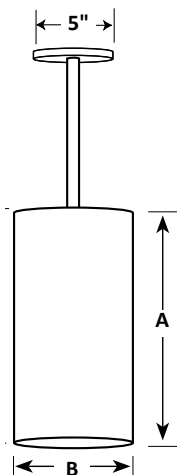
Cylinders  
Single Light Pendant

TECHNICAL DATA <sup>1</sup>			
LUMEN PACKAGE	1000	2000	3000
NOMINAL WATTAGE	15	28	43
POWER FACTOR	>0.9	>0.9	>0.9
THD	<10%	<10%	<10%
CRI	>80	>80	>80
INPUT FREQUENCY	% Hz	% Hz	% Hz

<sup>1</sup>Values are for non-dimming and 0-10V dimming.



## DIMENSIONS & FIXTURE CONFIGURATIONS



### 8" CYLINDER

A	Cylinder Height	12.40"
B	Cylinder Diameter	8.00"

### 10" CYLINDER

A	Cylinder Height	14.00"
B	Cylinder Diameter	9.63"

MODEL NUMBER / ORDERING KEY

SERIES	SIZE	NOMINAL LUMENS	LED TYPE	COLOR TEMPERATURE	REFLECTOR BEAM	REFLECTOR FINISH	REFLECTOR COLOR	FLANGE COLOR	DIMMING
CLS1 LED Cylinder Single Light	<b>08</b> 8" Diameter <b>10</b> 10" Diameter	<b>10</b> 1000 lumens <b>20</b> 2000 lumens <b>30</b> 3000 lumens	<b>PT8</b> Philips DLM Fortimo, 80CRI	<b>27K</b> 2700 Kelvin <b>30K</b> 3000 Kelvin <b>35K</b> 3500 Kelvin <b>40K</b> 4000 Kelvin	<b>N<sup>1</sup></b> Narrow <b>M</b> Medium <b>W<sup>2</sup></b> Wide	<b>RM</b> Semi-specular (Anodized) <b>RD</b> Diffused (Anodized) <b>RS</b> Specular (Anodized) <b>RP</b> Painted	<b>ANODIZED (Blank or CL)</b> Clear <b>CZ</b> Bronze <b>CB</b> Black <b>CK</b> Gold <b>CG</b> Graphite <b>CH</b> Warm Haze <b>CP</b> Pewter <b>CT</b> Wheat <b>CS</b> Straw <b>PAINTED CW</b> Painted White	<b>(Blank or FM)</b> Match reflector color <b>FB</b> Black <b>FW</b> White	<b>(Blank or DUX)</b> Non dimming (120V-277V) <b>DU1</b> 0-10V dimming (120V-277V) <b>DU5</b> Lutron® Hi-Lume 1% 3 wire dimming (120V-277V) <b>DU6</b> Lutron® Hi-Lume 1% EcoSystem dimming (120V-277V) <b>D13</b> Lutron® Hi-Lume 1% 2 wire leading edge dimming (120V) <b>D14</b> 2 wire trailing edge dimming (120V)
	<i>See dimension chart for exact sizes.</i>	<i>Consult factory for max ambient temperature.</i>			<sup>1</sup> <i>Narrow beam not available for 8".</i> <sup>2</sup> <i>8" wide beam includes a faceted reflector.</i>		<i>Contact factory for other anodized and painted colors.</i>		<i>Consult factory for dimmer compatibility, dimmer options and other voltages.</i>

HOUSING COLOR	SUSPENSION	SUSPENSION LENGTH	SUSPENSION COLOR	EMERGENCY	LENS	OTHER
<b>HB</b> Black	<b>KS</b> Stem (Pole)	<b>M006</b> 6" Drop	<b>MB</b> Black	<b>(Blank or EBXX)</b> No emergency battery back-up installed	<b>(Blank or LXX)</b> No lens installed	<b>(Blank or SXX)</b> No option included
<b>HW</b> White	<b>KF</b> Flush Mount	<b>M012</b> 12" Drop	<b>MW</b> White			
<b>HS</b> Silver	<b>KC</b> Single Cable	<b>M018</b> 18" Drop	<b>MS</b> Silver		<b>L02</b> Transparent lens	
<b>HZ</b> Bronze	<b>KT</b> Tri Cable	<b>M024</b> 24" Drop	<b>MZ</b> Bronze			
	<b>KA</b> Stem Sloped	<b>M036</b> 36" Drop				
	<b>KX</b> No Hardware	<b>M048<sup>3</sup></b> 48" Drop				
		<b>M072</b> 72" Drop				
		<b>M096<sup>3</sup></b> 96" Drop				
		<b>MXXX<sup>4</sup></b> No Length				

<sup>3</sup> *KC and KT suspension options only available in 48" or 96" lengths.*

<sup>4</sup> *KF suspension option only available in no length.*

Product specifications subject to change without notice.  
For the most current spec sheet, visit our website [www.lumenoptix.com](http://www.lumenoptix.com).

