



# TRAC-MASTER®

## Classics

# 26W FLAT BACK CYLINDER LED

## T283L G2

Project: \_\_\_\_\_

Fixture Type: \_\_\_\_\_

Location: \_\_\_\_\_

Contact/Phone: \_\_\_\_\_



### PRODUCT DESCRIPTION

With its integral driver, the cylindrical aesthetic of the T283L Series offers the simplest of form factors. It is designed with a unique, patent pending, precision optical system which produces uniform spot, flood or narrow flood distributions. The 26W T283L Series can deliver up to 3003 lumens, utilizing less than 1/3 of the energy of halogen equivalents and having a rated life of 50,000 hours. It is available in 2700K, 3000K, 3500K and 4000K color temperatures and 80 or 90 CRI versions. These fixtures also have an integral, bayonet-mounted optical system that enables quick conversion between beam spreads. Consult factory for SpectralWhite option.



### PRODUCT SPECIFICATIONS

**Construction** Die cast aluminum housing and vented concealed heat sink provides outstanding thermal management, yielding 70% average lumen maintenance at 50,000 hours of operation • Passively-cooled design – no moving parts to break or wear-out • Fashionable, elegant design complements any decor • Available in white, black or silver painted finishes.

**LED** High performance LED array provides outstanding reliability, performance and color quality/consistency • 2700K, 3000K, 3500K or 4000K white phosphor high performance LEDs • Chromaticity range within a 3-step MacAdam Ellipse • 80 CRI minimum on standard product • Optional high CRI versions offer 90 CRI minimum • Optional SpectralWhite color/white enhancing versions are available which make whites appear naturally brilliant and render colors more richly.

**Driver** Assembled into upper housing to visually integrate within fixture design • Insulating air gap between driver and LED light engine optimizes thermal operation • Provides quiet operation with or without dimming • 120V fixtures are dimmable using high quality reverse phase ELV dimmers approved by Juno - see [T283LG2-T283LG2-DIM](#) • Solid state electronic, Class 2 compliant • Integral overcurrent and short circuit protection • Class B FCC Part 15 rated.

**Reflector** Precision designed custom optical system provides either spot, narrow flood or flood beam distributions • Patent pending, multi-step optical system ensures a properly color-mixed beam • Accessory optical assemblies available to quickly and easily convert from one beam distribution to another in the field.

**Accessories** Filters and lenses may only be installed with Accessory Holder, Snoot or Barn Doors (order separately) • Louver may only be installed with Accessory Holder or Snoot (order separately) • Accessory Holder, Snoot or Barn Doors are externally mounted and attach to fixture using three set screws • Up to two of any combination of filters, lenses and louver may be installed simultaneously.

**Juno Universal Track Adapter** Universally compatible with both Trac-Master 1-circuit or 2-circuit track, Trac-Lites track, monopoints and special mountings • Also UL Recognized for use on ConTech® LT Series track • Copper alloy contacts provide precise spring action – no arcing and will not take a set • True, positive electrical ground • On/off switch included • Patented embossed polarity arrows on bottom of adapter • Spring-loaded positive latch with embossed polarity arrows secures track light to track • Two-position power contact provided for two-circuit application.

**Alternate TEK/HTEK Track Adapter** Compatible with either Juno TEK or HTEK track systems • System specific and assembled to track fixture • Integrally polarized construction to prevent reverse installation – only allows insertion in proper orientation • Rotary circuit selector enables simple switching between circuits • Integral on/off switch enables individual fixtures to be switched for servicing.

**Alternate GTYPE Track Adapter** Compatible with track systems based on GES type track, including Lithonia LT Commercial Track (not LTS type) • System specific and assembled to track fixture • Consult factory for additional information.

**Alternate HTYPE Track Adapter** Compatible with track systems which use a H-type track adapter, including Lithonia LTS Decorative Track (not LT type) • System specific and assembled to track fixture • Two-position power contact provided for two-circuit application • Consult factory for additional information.

**Alternate LTYPE Track Adapter** Compatible with track systems which use a L-type track adapter • System specific and assembled to track fixture • Two-position power contact provided for two-circuit application • Consult factory for additional information.

**Aiming** 360° horizontal coverage • Greater than 90° vertical aiming capability.

**Labels** UL and C-UL Listed • Union made • Assembled in U.S.A. • DesignLights Consortium® qualified except when specified with HTEK options • ENERGY STAR® certified • Consult factory for SpectralWhite option.

### Government Procurement

BAA – Buy America(n) Act: Product qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product also qualifies as manufactured in the United States under DOT Buy America regulations.

BABA – Build America Buy America: Product qualifies as produced in the United States under the definitions of the Build America, Buy America Act.

Please refer to [www.acuitybrands.com/buy-american](http://www.acuitybrands.com/buy-american) for additional information.

**Warranty** 5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: [www.acuitybrands.com/support/warranty/terms-and-conditions](http://www.acuitybrands.com/support/warranty/terms-and-conditions).

**Note:** Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

ConTech is a registered trademark of ConTech Lighting.



## 26W FLAT BACK CYLINDER LED

## T283L G2

## ORDERING INFORMATION

Ordering Examples: T283L G2 30K 80CRI PDIM SP WH, T283L TEK G2 30K 80CRI PDIM SP BL

Series	Mounting Adapter Type	Generation	Color Temperature	Color Rendering Index
<b>T283L</b> 26W Flat Back Cylinder LED	<b>(Blank)</b> Juno Universal 120V Track Adapter <b>HTEK<sup>1</sup></b> HTEK 277V Track Adapter <b>TEK</b> TEK 120V Track Adapter <b>GTYPE</b> G-Type Track Adapter <b>HTYPE</b> H-Type Track Adapter <b>LTYPE</b> L-Type Track Adapter	<b>G2</b> Gen 2	<b>27K</b> 2700K <b>30K</b> 3000K <b>35K</b> 3500K <b>40K</b> 4000K	<b>80CRI</b> 80 CRI <b>90CRI</b> 90 CRI Consult factory for SpectralWhite option

Dimming Compatibility	Distribution	Finish
<b>OFF</b> On/Off (Non-Dimming) <b>PDIM</b> Phase Dimmable	<b>SP</b> Spot <b>NFL</b> Narrow Flood <b>FL</b> Flood	<b>BL</b> Black <b>SL</b> Silver <b>WH</b> White

Accessories					
<b>HCLBL 469<sup>2</sup></b>	Hexcell Louver - Black	<b>UVF 469<sup>2</sup></b>	UV Filter	<b>T770BL</b>	4 <sup>11</sup> / <sub>16</sub> " Dia. Accessory Holder - Black
<b>CCLBL 469<sup>2</sup></b>	Cube Cell Louver - Black	<b>DIFF 469<sup>2</sup></b>	Diffusion Lens	<b>T770WH</b>	4 <sup>11</sup> / <sub>16</sub> " Dia. Accessory Holder - White
<b>XBAFLBL 469<sup>2</sup></b>	Cross Baffle - Black	<b>SOLITE 469<sup>2</sup></b>	Uniformity Lens (Solite)	<b>TR10 SPT</b>	Spot Optical Assembly
<b>T5788BL 469</b>	Snoot - Black	<b>PRISM 469<sup>2</sup></b>	Prismatic Spread Lens	<b>TR10 NFLD</b>	Narrow Flood Optical Assembly
<b>EYEBROWBL 469<sup>2</sup></b>	Eyebrow - Black	<b>LSPREAD 469<sup>2</sup></b>	Linear Spread Lens	<b>TR10 FLD</b>	Flood Optical Assembly
<b>CGF 469<sup>2</sup></b>	Color Glass Filter	<b>T40N<sup>3</sup></b>	Monopoint Canopy		
<b>DGF 469<sup>2</sup></b>	Dichroic Glass Filter	<b>T5774BL 469</b>	4 <sup>11</sup> / <sub>16</sub> " Dia. Barn Door Accessory - Black		

See specification sheet [D1.2.2](#) for details.Other accessories can be found on specification sheet [D1.2.0](#).

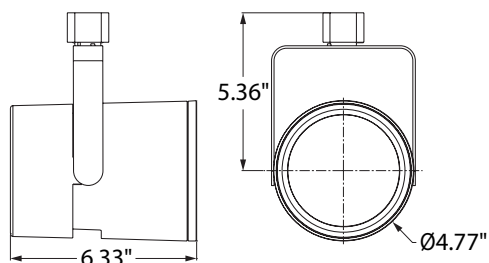
## Notes:

- HTEK versions available with OFF option only, and OFF option available with HTEK version only.
- Accessory Holder, Snoot or Barn Doors required to install filters or lenses; Accessory Holder or Snoot required to install louver.
- Add finish code to complete catalog number (Example: T40N WH).

## 26W FLAT BACK CYLINDER LED

T283L G2

## DIMENSIONS

PERFORMANCE DATA<sup>1</sup>

Catalog Number	Voltage	Input Wattage	Total Lumen Output	Lumens Per Watt	Rated Life
T283L G2 27K 80CRI SP	120V	26.1	2575	99	50,000
T283L G2 27K 80CRI NFL	120V	26.1	2553	98	50,000
T283L G2 27K 80CRI FL	120V	26.1	2761	106	50,000
T283L G2 27K 90CRI SP	120V	26.1	2274	87	50,000
T283L G2 27K 90CRI NFL	120V	26.1	2255	86	50,000
T283L G2 27K 90CRI FL	120V	26.1	2438	93	50,000
T283L G2 30K 80CRI SP	120V	26.1	2666	102	50,000
T283L G2 30K 80CRI NFL	120V	26.1	2644	101	50,000
T283L G2 30K 80CRI FL	120V	26.1	2859	109	50,000
T283L G2 30K 90CRI SP	120V	26.1	2349	90	50,000
T283L G2 30K 90CRI NFL	120V	26.1	2329	89	50,000
T283L G2 30K 90CRI FL	120V	26.1	2519	96	50,000
T283L G2 35K 80CRI SP	120V	26.1	2747	105	50,000
T283L G2 35K 80CRI NFL	120V	26.1	2724	104	50,000
T283L G2 35K 80CRI FL	120V	26.1	2945	113	50,000
T283L G2 35K 90CRI SP	120V	26.1	2424	93	50,000
T283L G2 35K 90CRI NFL	120V	26.1	2404	92	50,000
T283L G2 35K 90CRI FL	120V	26.1	2599	99	50,000
T283L G2 40K 80CRI SP	120V	26.1	2801	107	50,000
T283L G2 40K 80CRI NFL	120V	26.1	2777	106	50,000
T283L G2 40K 80CRI FL	120V	26.1	3003	115	50,000
T283L G2 40K 90CRI SP	120V	26.1	2510	96	50,000
T283L G2 40K 90CRI NFL	120V	26.1	2489	95	50,000
T283L G2 40K 90CRI FL	120V	26.1	2691	103	50,000

Notes:

<sup>1</sup> Performance data, including Rated Life, is based on measurements of an individual fixture operating in a 25°C ambient.

## ELECTRICAL DATA

Input Voltage	120V
Input Current (max.)	0.24A
Power Factor	>0.90
T.H.D.	<20%

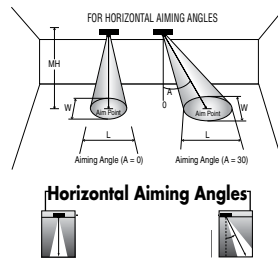
## 26W FLAT BACK CYLINDER LED

T283L G2

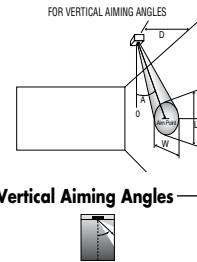
## PHOTOMETRICS

**CBCP** • Centerbeam candlepower  
**FC** • Footcandles at beam center (aim point)

In vertical aiming applications, aim point (X) is determined by dividing distance from the wall (D) by the tangent of the desired aim angle (A) (0.5774 for 30°, 1.0 for 45°, 1.732 for 60°).



Horizontal Aiming Angles



Vertical Aiming Angles

Fixture	Beam Type	Beam Spread	Rated Life	CBCP	0°			30°			30°					45°					60°				
					MH	FC	L	W	FC	L	W	D	FC	X	L	W	FC	X	L	W	D	FC	X	L	W
T283L 26W LED, 3000K, 80CRI Spot	SP	15°	50000	21070	10	211	2.7	2.7	137	3.6	3.1	4	165	6.9	4.5	2.1	466	4.0	2.2	1.5	8	214	4.6	2.8	2.4
					12	146	3.2	3.2	95	4.3	3.7	6	73	10.4	6.7	3.2	207	6.0	3.2	2.2	10	137	5.8	3.6	3.1
					14	108	3.7	3.7	70	5.0	4.3	8	41	13.9	9.0	4.2	116	8.0	4.3	3.0	12	95	6.9	4.3	3.7
					16	82	4.2	4.2	53	5.7	4.9	10	26	17.3	11.2	5.3	74	10.0	5.4	3.7	14	70	8.1	5.0	4.3
					18	65	4.8	4.8	42	6.4	5.5	12	18	20.8	13.4	6.4	52	12.0	6.5	4.5	16	53	9.2	5.7	4.9
T283L 26W LED, 3000K, 80CRI Narrow Flood	NFL	24°	50000	9694	6	269	2.5	2.5	175	3.4	2.9	3	135	5.2	5.9	2.5	381	3.0	2.7	1.8	6	175	3.5	3.4	2.9
					8	151	3.4	3.4	98	4.6	3.9	4	76	6.9	7.8	3.4	214	4.0	3.5	2.4	7	128	4.0	4.0	3.4
					10	97	4.2	4.2	63	5.7	4.9	5	48	8.7	9.8	4.2	137	5.0	4.4	3.0	8	98	4.6	4.6	3.9
					12	67	5.1	5.1	44	6.9	5.9	6	34	10.4	11.7	5.1	95	6.0	5.3	3.6	9	78	5.2	5.2	4.4
					14	49	5.9	5.9	32	8.0	6.8	7	25	12.1	13.7	5.9	70	7.0	6.2	4.2	10	63	5.8	5.7	4.9
T283L 26W LED, 3000K, 80CRI Flood	FL	42°	50000	4815	5	193	3.9	3.9	125	5.4	4.5	2	150	3.5	11.2	3.1	426	2.0	3.6	2.2	4	195	2.3	4.3	3.6
					6	134	4.6	4.6	87	6.5	5.4	3	67	5.2	16.9	4.6	189	3.0	5.5	3.3	5	125	2.9	5.4	4.5
					7	98	5.4	5.4	64	7.6	6.3	4	38	6.9	22.5	6.2	106	4.0	7.3	4.4	6	87	3.5	6.5	5.4
					8	75	6.2	6.2	49	8.7	7.1	5	24	8.7	**	7.7	68	5.0	9.1	5.5	7	64	4.0	7.6	6.3
					9	59	7.0	7.0	39	9.8	8.0	6	17	10.4	**	9.3	47	6.0	10.9	6.6	8	49	4.6	8.7	7.1

\*\*Due to steep aiming angle, length of beam extends beyond 25'.

CCT	CRI	MULTIPLIER
27K	80	0.97
	90	0.79
30K	80	1.00
	90	0.82
35K	80	1.04
	90	0.85
40K	80	1.05
	90	0.87