Project Name: _____

Part #: _____

Type: _____

energy harness
LED LIGHTING SOLUTIONS
ENERGYHARNESS.COM

LED T8 Tube Light

Features

- No Ballast Necessary
- No Maintenance Required
- 24”, 36”, 48” Options Available
- Energy Savings Between 50-60%
- Allows For Reuse Of Existing Fixtures
- Environmentally Friendly (No Mercury)
- Single & Universal Ended Power Wiring Options

Applications

Offices | Restaurants | Retail Stores | Lobbies | Schools | Hospitals

Ordering Guide

Example:

EHL	R	48	T816	40K	SF	DEP
Series	**Rotating Pin**	**Length**	**Diameter / Wattage**	**CCT**	**Lens**	**Power Type**
EHL	R = Rotating Pins Blank = Non-Rotating Pins	24 = 24” 36 = 36” 48 = 48”	T809 = T8 Diameter 9W T813 = T8 Diameter 13W T816 = T8 Diameter 16W (Standard) T809 = T8 Diameter 9W (High Efficiency)	30K = 3000K 40K = 4000K 50K = 5000K	S = Striped (High Efficiency Models ONLY) SF = Semi-Frosted (Rotating Pin Models ONLY) F = Frosted (Standard 48” Models ONLY)	SEP = Single Ended Power DEP = Double Ended Power UEP = Universal End-ed Power

LED T8 Tube Light

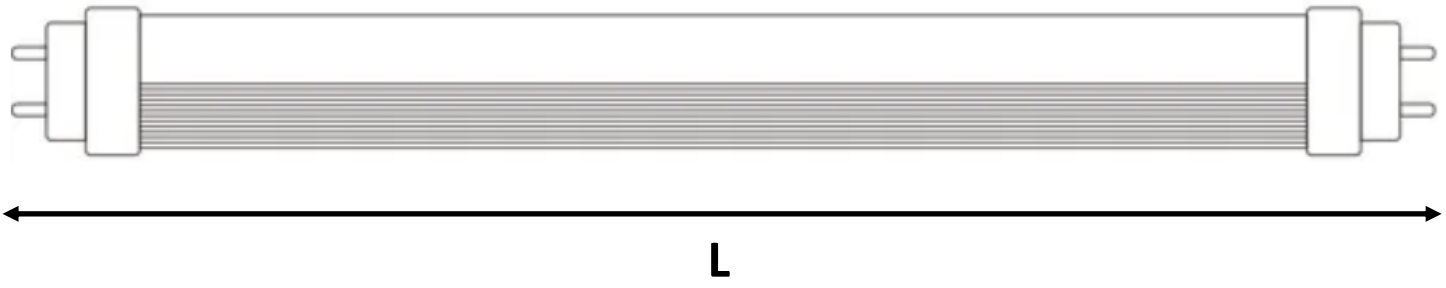
SPECIFICATION

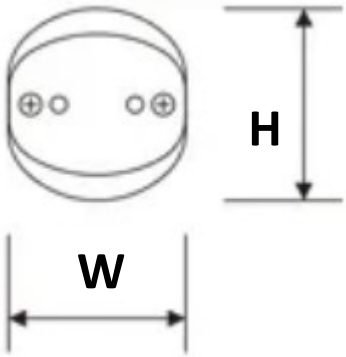
Size	24”	36”	48”	48”	48”
EHC Part #:	EHLR24-T809-xxK	EHLR36-T813-xxK	EHL48-T809-xxK	EHL48-T816-xxK	EHLR48-T816-xxK
Replacement:	15-25W	20-30W	30-40W	30-40W	30-40W
Wattage:	9W	13W	9W	16W	16W
Lumens:	955lm	1360lm	1500lm	1920lm	1920lm
Actual Length:	23.187”	35.158”	47.165”	47.165”	47.165”
Color (CCT):	3000K, 4000K, 5000K	3000K, 4000K, 5000K	4000K, 5000K	4000K, 5000K	3000K, 4000K, 5000K
Efficacy:	105lm/W	105lm/W	165lm/W	112.5lm/W	112.5lm/W
Plastic Cover:	Semi-Frosted	Semi-Frosted	Striped	Frosted	Semi-Frosted
Base:	Rotating G13	Rotating G13	G13	G13	Rotating G13
CRI:	>80				
Beam Angle:	>120°				
Power Factor:	>0.9				
IP Rating:	IP20				
Input Voltage:	100-277VAC 50/60Hz				
Working Temperature:	14°F to 113°F				
Power Style:	SEP (Single Ended Power)	SEP (Single Ended Power)	SEP (Single Ended Power)	UEP (Universal End-ed Power)	SEP (Single Ended Power)

LED T8 Tube Light

ACCESSORIES		
REFERENCE	PART #	DESCRIPTION
	EHA-TOMB-23MM	T8 Lamp Holder, 23mm Height, 120-277VAC, With Stop, Non-Shunted
	EHA-TOMB-31MM	T8/T12 Lamp holder, 31mm Height, 120-277VAC, With Stop, Non-Shunted
	EHA8-4CON-FULL-KIT	2-8’ Fluorescent Tube Conversion Kit To 4-4’ LED Tube Lights (Includes (1) Mounting Plate and (8) 31mm Non-Shunted Tombstones)

DIMENSIONS

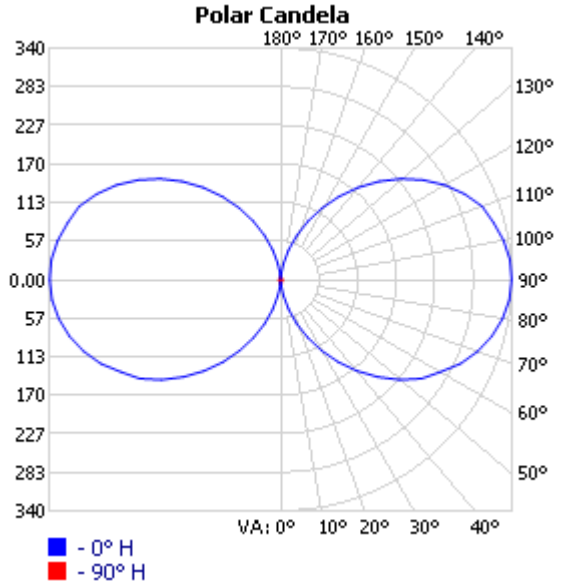




SIZE	L x W x H
2’	23.187” x 1.102” x 1.299”
3’	35.158” x 1.102” x 1.299”
4’	47.165” x 1.102” x 1.299”

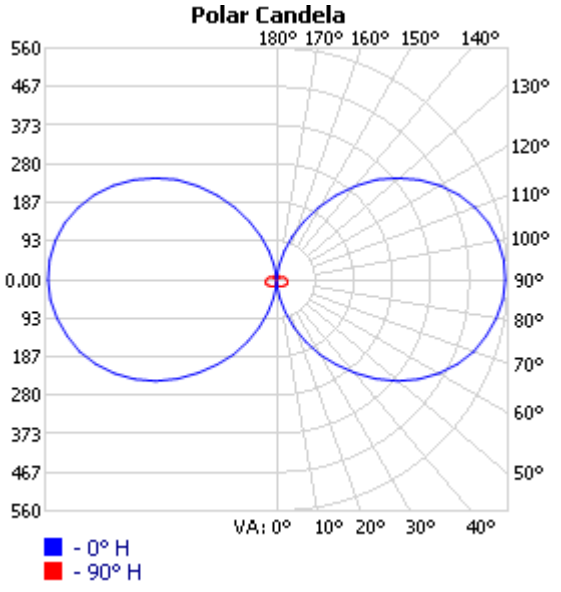
PHOTOMETRICS DATA

Luminaire Data	
Part Number	EHLR24-T809-50K-SF
Description	2', 5000K LED T8 Tube Light
Fixture Lumens (lm)	955lm
Wattage (W)	9W
Efficacy (lm/W)	105lm/W



Zonal Lumen Summary		
Zone	Lumens (lm)	% Fixture
0-40	104.5	10%
0-60	361.2	34.7%
0-90	1,030.8	99.1%
90-180	1,050.6	101%
0-180	2,081.4	200.1%

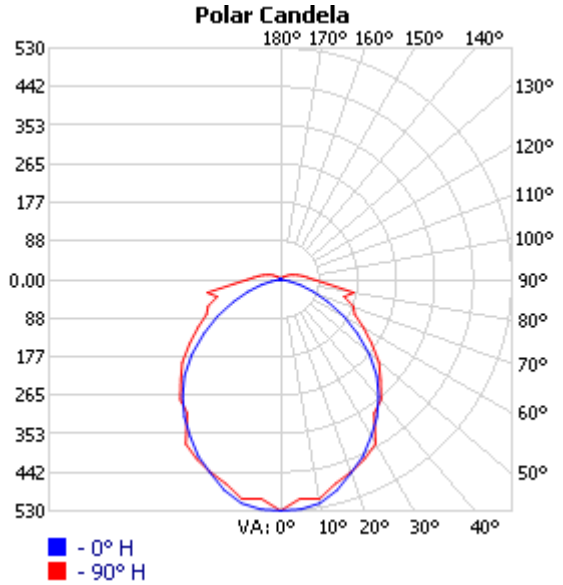
Luminaire Data	
Part Number	EHLR36-T813-50K-SF
Description	3', 5000K LED T8 Tube Light
Fixture Lumens (lm)	1,360lm
Wattage (W)	13W
Efficacy (lm/W)	105lm/W



Zonal Lumen Summary		
Zone	Lumens (lm)	% Fixture
0-40	168.9	10.3%
0-60	580.7	35.4%
0-90	1,635.1	99.7%
90-180	1,646.9	100.4%
0-180	3,282	200%

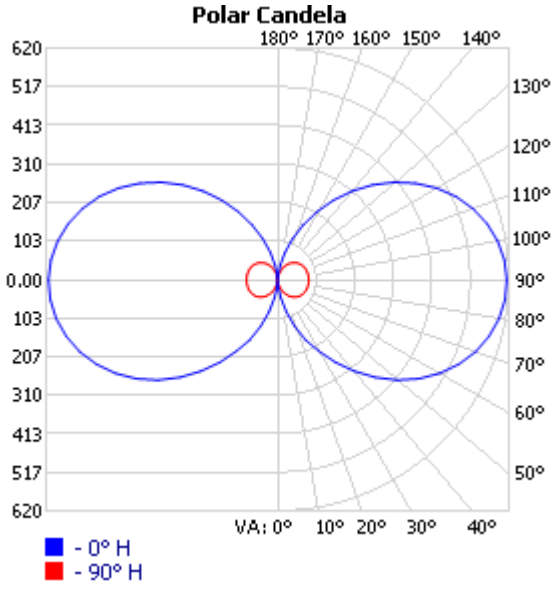
PHOTOMETRICS DATA

Luminaire Data	
Part Number	EHL48-T809-50K-S
Description	4', 5000K LED T8 Tube Light
Fixture Lumens (lm)	1,500lm
Wattage (W)	9W
Efficacy (lm/W)	165lm/W



Zonal Lumen Summary		
Zone	Lumens (lm)	% Fixture
0-40	635	26.1%
0-60	1,089.9	72.1%
0-90	1,424.1	94.2%
90-180	85.6	5.7%
0-180	1,509.7	99.9%

Luminaire Data	
Part Number	EHL48-T816-50K-F-UEP
Description	4', 5000K LED T8 Tube Light
Fixture Lumens (lm)	1,920lm
Wattage (W)	16W
Efficacy (lm/W)	112.5lm/W



Zonal Lumen Summary		
Zone	Lumens (lm)	% Fixture
0-40	190.9	10.4%
0-60	659.2	35.7%
0-90	1,857.2	100.7%
90-180	1,833.3	99.4%
0-180	3,690.6	200.1%