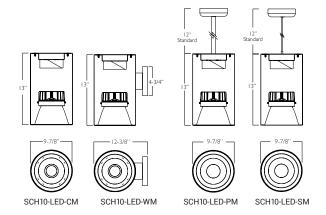


10" Architectural LED Cylinder









NOMINAL LUMENS	ELITE	LED ENGIN
2500	30 W	-
2000	24 W	29 W
1500	18 W	-
1200	14 W	-
1100	-	15 W
900	10 W	-

Based on 4000K, 90CRI with semi-specular chrome reflector. Actual wattage may vary +/-5%

# DYNAMIC PLATFORM

SMART WHITE - Tunable White with Smart White technology allows the tuning of luminaires to mimic the natural color patterns throughout the day, enhancing interior office spaces, hospitality, and architectural elements. Tuning of intensity and color in classrooms enables a diversification in student activities, while the use of tunable white technology in healthcare stimulates circadian rhythm, accelerating the healing process. Complementing colors and textures in retail merchandising also has an impact on sales, utilizing the technology to adjust colors throughout the season. A CRI of 90+ is standard, and available on all three platforms. Elite Platform (50K-27K), LED Engin Platform (65K-18K)

LUMENS	Elite Platform: 900, 1200, 1500, 2000 & 2500 LED Engin Platform: 1100 & 2000
CCT & DYNAMIC PLATFORMS	High Performance: TWH-50K-27K (50K to 27K) LED Engin: TWH-LENGN-65K-18K (65K to 18K)
CRI	90+ Standard
COLOR QUALITY	2 Step MacAdam Ellipse
DISTRIBUTIONS	WWD, WD, MWD, MD, ND, SPD, NSPD
MOUNTING OPTIONS	CM (Ceiling Mount), WM (Wall Mount), PM (Pendant Mount), SM (Suspended Mount)
BODY FINISHES	WH (White), BK (Black), BZ (Bronze), SI (Silver), Custom RAL
REFLECTOR COLORS	CL (Semi-Specular Chrome), SHZ (Low Iridescent Satin Haze), WT (Wheat), W (White), MB (Black)
DIMMING	1% Dimming Standard, 0-10V (DIM10), DMX-512 DMX-RDM, BLE, LUTECO, DALI, DLM
EMERGENCY	10W - Up to 1000L Output (Bodine BSL310) 20W - Up to 2000L Output (Bodine BSL20)
LIFETIME	L70 at 50,000 Hours
PHOTOMETRIC TESTS	In Accordance with IES LM79-08 and LM80, TM-30, TM-21













### **FEATURES**

A highly sustainable and ultra-efficient architectural LED Cylinder that provides even, glare-free illumination. Available in a range of mountings, finishes, distributions, and lumen packages, it is ideally suited for use in corporate office space, hospitality, healthcare, commercial, academic, churches, airports and retail merchandising.

## OPTICS AND REFLECTOR

The reflector has a 45° cutoff, and is shipped standard with a Solite lens in a smooth frosted finish. It is spun from 0.05" thick aluminum, has a 1-step anodized finish, and is available in different colors or custom RAL finishes. Reflector trim options include selfflanged and white painted flange. Various distribution options are available, and all optics are field changeable

# CONSTRUCTION

The cylinder body comes standard with a post-painted mate white finish and die-formed construction for maximum heat dissipation and rust protection. Other standard finishes and custom colors are also available.

# THERMAL MANAGEMENT SYSTEM

Passive cooling Diecast Aluminum Heat Sink, LED light engine and driver are replaceable, upgradeable, and can be accessed from below the ceiling. The consistency in the quality of light is delivered with precision performance by the use of a unique locking mechanism that aligns the reflector with the light engine.

# **MOUNTING OPTIONS**

Ceiling mount bracket provided for direct installation with 3-1/4" to 4" octagonal and square junction box. Pendant mount option is supplied with a 5" diameter canopy cover. Suspended mount option is supplied with an aircraft adjustable cable, and is ideal for sloped ceiling applications up to 45 degrees.

# **DIMMING & DRIVER INFORMATION**

**SMART WHITE** - High Performance platform with a tuning range of 5000K to 2700K (TWH-50K-27K).

Control via DIM10 (0-10V), ELITE-CONNECT 0-10V, LUTRON, DMX512-RDM, DALI

LED Engin - platform with tuning range of 6500K to 1800K (TWH-LENGN-65K-18K).

Control via DIM10, ELITE-CONNECT 0 10V, DMX512, DMX-RDM, BLE, DALI! Junction box and driver can be accessed from below the ceiling and above the ceiling. Junction box is listed for through branch circuit wiring.

# **DRIVER ELECTRICAL INFORMATION**

The LED driver is rated for 50 to 60Hz at 120V/277V input, produces less than 20%THD, has a power factor between 90% and 100%, and is thermally protected for additional safety. Junction box and Driver can be accessed from below the ceiling and above the ceiling. Junction Box is Listed for through branch circuit wiring.

Five-year warranty for parts and components. (Labor not included)

# **LISTINGS**

c-UL-us - Listed for Feed Through Wiring.



Example: SCH10-LED-TWH-50K-27K-900L-DIM10-120-MD-90-WH-CM-HH10-1501-CL-WH

SERIES	LUMENS	DRIVER	VOLTAGE	BODY Finishes	MOUNTING OPTIONS	EMERGENCY	TRIM TYPES	REFLECTOR/ FLANGE COLORS	WALL MOUNT CONTROLLER
SCH10-LED-TWH-50K-27K	□ 900L □ 1200L □ 1500L □ 2000L □ 2500L	□ DIM10* □ DMX-512 □ DMX-RDM □ DALI □ LUTH <sup>2</sup>	□ 120 □ 277 □ MVOLT	□ WH-WHITE □ RK-BLACK □ BZ-BRONZE □ SI-SILVER □ Custom Color	□ CM-CEILING MOUNT □ WM-WALL MOUNT □ PM12-12" □ PM18-18" □ PM24-24" □ PM36-36" □ PM48-48" □ SM-10' SUSPENDED MOUNT Consult factory for other sizes)	□ EMG-LED-10W □ EMG-LED-20W Typical lumen output of the luminaire is up to 1000L with EMG-LED-10W option in emergency mode. Contact the factory for details.  Remote mounted installation	□ HH10-1501 Flanged Downlight □ HH10-1507 Flanged Wall Wash □ HH10-1577 Flanged Double Wall Wash	□ CL-WH □ CL-SCH □ SHZ-WH □ SHZ-SHZ □ WT-WH □ W-WH □ MB-WH □ CL-BK □ MB-BK	□ EC-WC-TWH-HW-MVOLT <sup>1</sup>
SCH10-LED-TWH-LENGN-65K-18K	□ 1100L □ 2000L	□ DIM10 □ DAU □ DMX-512 □ BLE ** □ DMX-RDM	OPTICS   CRI   WD 70°   90+   90+   90   90+   9						

<sup>\*</sup> For 0-10V driver you must dedicate two control inputs, one for the Dimming Control and another for CCT Tuning.

<sup>&</sup>lt;sup>1</sup> Compatible with Elite 0-10V Platform and LED Engin 0-10V Platform. <sup>2</sup> (Lutron T Series 2 Channel Tunable White)



<sup>\*\*</sup> Consult Factory

6339

10°



# SCH10-LED-TWH-50K-27K-2000L-ND-HH10-1501-CL-WH

INPUT WATTS: 24.8 LUMENS: 2093 CRI: 90+ EFFICACY: 84 CCT: 4000K SPACING CRITERIA: 0.44

# 1585 3170 4754

ZOIIAI LU	mens Sumn	liai y	
Zone	Lumens	%Lamp	%Fixt
0-20	995.74	47.60	47.60
0-30	1502.05	71.80	71.80
0-40	1919.71	91.70	91.70
0-60	2085.57	99.60	99.60
0-80	2092.54	100.00	100.00
0-90	2093.37	100.00	100.00

Lumina	uminance (Average candela/M²)			Lumens Po	er Zone	Candela Tabulati		
Angle in Degrees	Average 0°	Average 45°	Average 90°	Zone 0-10 10-20	Lumens 412.84 582.89	0 5	<u>0</u> 6339.33 5150.18	
45 55 65 75 85	3230 763 173 106 69	7321 1252 219 177 433	11944 2041 1029 232 537	20-30 30-40 40-50 50-60 60-70	506.31 417.66 142.87 22.99 5.65	15 25 35 45 55 65	1962.79 1044.09 752.22 72.67 13.92	
I				70-80 80-90	1.33 0.83	75 85 90	2.32 0.87 0.19 0.05	

4.0 1.5 ft. 8.0 99.1 3.1 ft. 12.0 44.0 4.6 ft. 16.0 24.8 6.1 ft. 20.0 15.8 7.6 ft. 24.0 11.0 9.2 ft.

BEAM DIA. MEASURED AT 50% OF NADIR F.C.

Coefficients of Utilization - Zonal Cavity Method Effective Floor Cavity Reflectance 0.20

RC	;			80%		70%				50%	•		30%	, D		10%	5		0%
RW	V 7	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
ROOM CAVITY RATIO 10 10 10 10 10 10	10 99 94 90 86 82 79	14 09 04 19 14 10 15 15 15 15 15 15 15 15 15 15 15 15 15	92 86 82 77 73	119 109 100 93 86 81 76 72 68 64 61	119 107 97 89 82 77 72 68 64 61 58	111 106 102 97 93 88 85 81 78	90 85 81 77 73 69	116 107 99 92 86 80 76 71 68 64 61	116 105 96 88 82 76 72 68 64 61 58	111 105 99 94 88 84 79 75 72 68 65	111 103 96 90 84 79 75 71 67 64 61	111 102 94 87 81 76 71 67 64 60 57	106 101 96 91 86 82 78 74 71 68 65	106 100 94 88 83 78 74 70 66 63 60	106 99 92 86 80 75 71 67 63 60 57	102 98 93 89 85 81 77 73 70 67	102 97 92 86 82 77 73 69 66 63 60	102 96 90 84 79 75 70 66 63 60 57	100 94 88 83 78 73 69 65 62 59 56

RC - Ceiling Cavity Reflectance RW - Wall Reflectance





# **CONTROL OPTIONS**

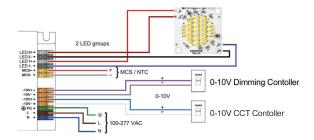
With the integration of controls, Elite Lighting now offers its products with controls-ready performance that increases energy efficiency, smarter space planning, and the enhancement of safety and productivity in the workplace. By utilizing these controls, Elite Lighting luminaires enable your customer's facility to run smarter, with the use of an easily controlled system through any platform.

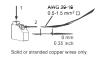
CONTROL PRO	SMARTWHITE	LEDENGIN	
□ ELITE-CONNECT (EC-WC-TWH-HW-MVOLT) - Hardwired, 0-10V, 120/277V wall mounted controller for CCT Tuning and Intensity Dimming through Simple Touch screen pad, provided by Elite Lighting. Programmable for up to 3-scenes, with a dimming range down to 1%. Applicable for office spaces, hospitality, educational, healthcare, and retail merchandising.	Tunning 6500  U  S1  S1  S2  S2  S3  Dimming	<b>~</b>	<b>*</b>
□ DIM10 (0-10V 1% Dimming Standard) In order to Control the Color Tuning and dimming option with 0-10V driver you must dedicate two control inputs, one for the Dimming Control and another for CCT Tuning. Can be dimmed and tuned with 2 wall box dimmers and compatible with most control systems and/or daylight harvesting systems. □ DIM10-LUTRON Compatible with Lutron GRAFIK Eye QS or GRAFIK Eye 3000 by using two GRX-TVI Lutron 0-10V Dimming interfaces; one to tune and another to control dimming. Also compatible with Lutron VIVE system by using two FCJS-010 PowPak or FCJS-ECO EcoSystem PowPak modules per fixture; one to tune and one to control dimming.	Tunning  8000 — 100% — 90% — 80% — 70% — 60% — 50% — 40% — 30% — 20% — 1%	<b>✓</b>	*
DMX (Available on Elite, LED Engin) - Compatible with two options: DMX-512: Standard DMX Controller and D Device Management.		<b>~</b>	<b>*</b>
LUTECO Compatible with Lutron EcoSystem. Compa Energi Saver node EcoSystem, or Lutron Quantum syst		*	N/A
□ BLE - Dimming and CCT can be controlled via Bluetoc via Smartphones or tablets.	oth using an app,	N/A	<b>*</b>
□ <b>DALI</b> Compatible with Digital Addressable Lighting I	nterface, available with two options: DT6 and DT8.	<b>~</b>	<b>~</b>

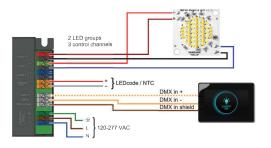




# TWH-50K-27K







DMX512-A-RDM accessory board connects to an electrically isolated expansion port within the ALM

# **TWH Controller EC-WC-TWH-HW-MVOLT**



Output Signal	2x(1-10V) signa
Power Supply	100-277VAC
Power consumption	30 mA max
Operating temperature	0-40°C
Relative humidity	8% to 80%
Dimensions	75x120x40.8mm

