

LED Lamps

ProLED Select T8 Linear Hybrid Series G2

- Maximum Convenience for Installation
- 5CCT Field Selectable
- Double and Single-Ended Wiring
- 2FT, 3FT and 4FT Options
- DLC 6.0 Standard

Specifications

Description

Halco's ProLED Select T8 Linear Hybrid Lamps are designed to make lighting upgrades faster, easier, and more flexible. With five selectable color options—from warm white to bright daylight—the conveniently located CCT switch on the room-side of the lamp allows for quick, easy adjustments even after installation, so one lamp adapts to virtually any space. This helps streamline inventory and simplify decisions. These high-efficiency tubes deliver bright, comfortable illumination with wide, uniform coverage, making them ideal for offices, retail, schools, healthcare, and more. Built for reliable performance and long life, they help reduce maintenance and operating costs. Smooth dimming adds control and comfort, while durable construction ensures consistent performance over time. Backed by a 5-year limited warranty, the ProLED Select T8 Linear Hybrid is a smart, adaptable solution for modern lighting projects.

Performance

- Five selectable color temperatures—3000K, 3500K, 4000K, 5000K, and 6500K—adjustable while energized
- Up to 157 lumens per watt
- 1185 to 1816 lumen options
- CRI 80+
- L70 Lumen maintenance > 50,000 hours
- 0-10V dimming capable
- 120-277V
- -25°C to 45°C operating temperature
- 220° beam angle
- 5 year limited warranty

Construction

- Glass tube with PET coating
- Plastic endcaps
- Contains an inner sleeve for each tube



Applications

- Commercial
- Industrial
- Office
- Healthcare
- Hospitality
- Retail
- K-12 Schools and Higher Education
- Municipal and Government Facilities

Certifications

- UL listed for damp locations
- DLC 6.0 Standard
- NSF rated
- FCC part 15 compliant

ProLED Select T8 Linear Hybrid Series G2

Ordering Logic

Series	Wattage	CRI/CCT	Compatibility/Wiring	Dimming	Technology/Generation
24T8 = 24 inch, T8 Lamp 36T8 = 36 inch, T8 Lamp 48T8 = 48 inch, T8 Lamp	8 = 8 Watts 12 = 12 or 12.5 Watts	8CS = 80 CRI, Color Selectable 3000K-3500K-4000K-5000K-6500K	HYB = Hybrid Direct (A) & Bypass (B) - Single/Double Ended Connection	D = Dimmable	LED2 = LED Generation 2

Ordering Information

Product SKU	Product Code	Product Description	Equiv Watts	Replaces	DLC Product ID
87300	24T8-8-8CS-HYB-D-LED2	24in LED T8 8W 30K-35K-40K-50K-65K CCT Selectable Hybrid Type A/B DuoConnect ProLED Dimming G2	17W	87100	Pending
87301	36T8-12-8CS-HYB-D-LED2	36in LED T8 12W 30K-35K-40K-50K-65K CCT Selectable Hybrid Type A/B DuoConnect ProLED Dimming G2	25W	87101	Pending
87302	48T8-12-8CS-HYB-D-LED2	48in LED T8 12.5W 30K-35K-40K-50K-65K CCT Selectable Hybrid Type A/B DuoConnect ProLED Dimming G2	32W	87102	Pending

Accessories

Product SKU	Product Code	Product Description
84979	LDM-T8195-100WM	LED T8 Type B and Hybrid (A+B) Dimming Driver 0-10V Required to Dim T8 in Type B mode

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Performance Table

Product Code	Wattage	Type B Application									
		3000K		3500K		4000K		5000K		6500K	
		Lumen (lm)	Efficacy (lm/W)	Lumen (lm)	Efficacy (lm/W)	Lumen (lm)	Efficacy (lm/W)	Lumen (lm)	Efficacy (lm/W)	Lumen (lm)	Efficacy (lm/W)
24T8-8-8CS-HYB-D-LED2	8	1185	146	1209	151	1235	155	1253	157	1269	157
36T8-12-8CS-HYB-D-LED2	12	1676	144	1704	147	1739	151	1772	154	1784	154
48T8-12-8CS-HYB-D-LED2	12.5	1780	146	1797	149	1807	149	1798	146	1778	143

Specifications Table

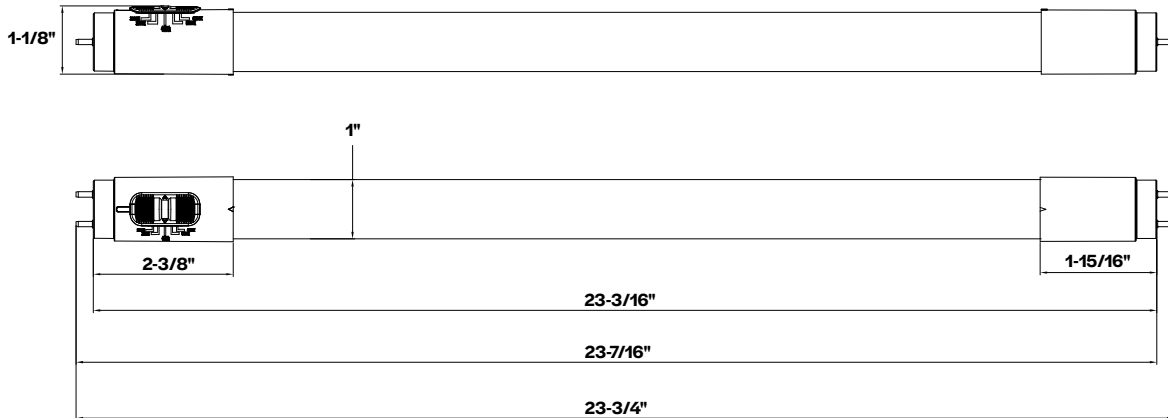
	24T8-8-8CS-HYB-D-LED2	36T8-12-8CS-HYB-D-LED2	48T8-12-8CS-HYB-D-LED2
Nominal Wattage	8W	12W	12.5W
Nominal Lumens	1040	1560	1625
Efficacy (lm/W)	130LPW		
CCT	Selectable 3000K, 3500K, 4000K, 5000K or 6500K		
CRI	83		
L70 Lifetime (hrs)	50,000		
Voltage	120-277V		
Power Factor	0.9		
Dimming	Yes-TYPE-A, No-TYPE-B (Yes with External Dimming Driver)		
Housing Material	Glass with PET Coating		
Base Type	G13		
Operating Temperature (Min)	-25°C		
Operating Temperature (Max)	45°C		
Listings	cULus - DLC 6.0 Standard - FCC - NSF - Damp Location Rated		
Environment	Damp Location		
Warranty (Years)	5 Years Standard		
Beam Angle	220°		
Weight (lbs)	0.12	0.19	0.23
Frequency	50/60Hz		

ProLED Select T8 Linear Hybrid Series G2

Dimensions

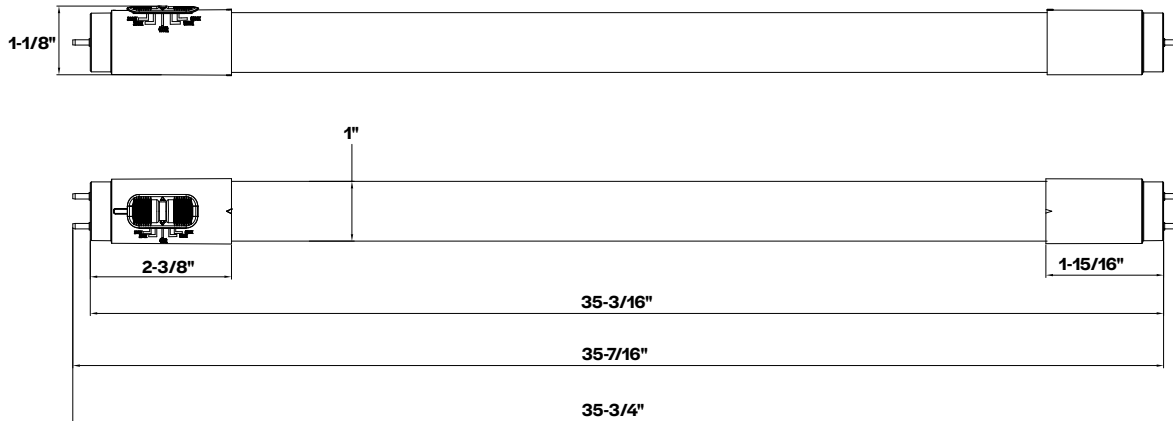
2-Foot Selectable T8 Hybrid Lamps

24T8-8-8CS-HYB-D-LED2



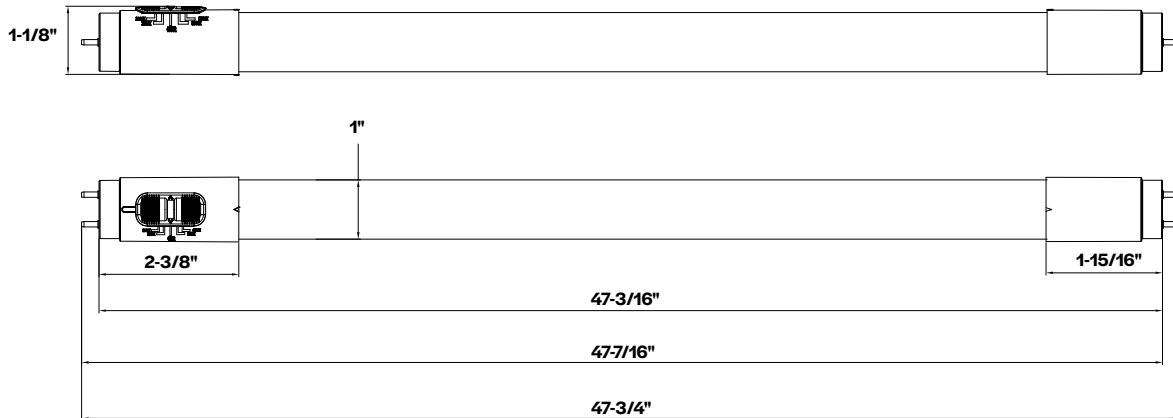
3-Foot Selectable T8 Hybrid Lamps

36T8-12-8CS-HYB-D-LED2



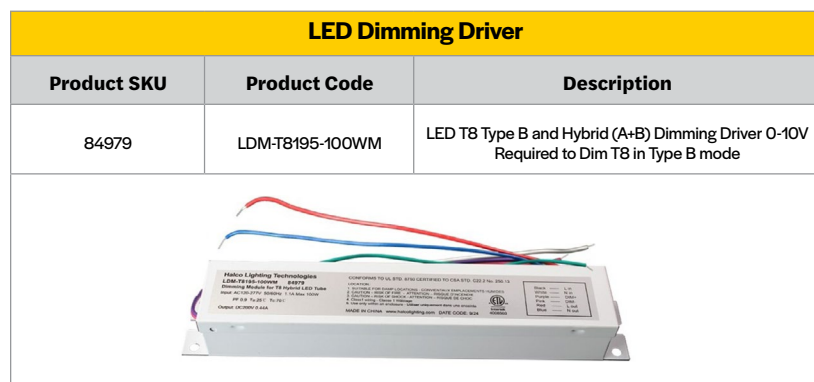
4-Foot Selectable T8 Hybrid Lamps

48T8-12-8CS-HYB-D-LED2



ProLED Select T8 Linear Hybrid Series G2

Accessories



Dimmer Compatibility

Dimmer Brand	Dimmer Model	87300	87301	87302
Lutron	DVELV-300P-BR	●	●	●
Lutron	DVELV-300P-GR	●	●	●
Lutron	DVELV-300P-IV	●	●	●
Lutron	DVELV-300P-LA	●	●	●
Lutron	DVELV-300P-WH	●	●	●
Lutron	DVELV-303P-BR	●	●	●
Lutron	DVELV-303P-GR	●	●	●
Lutron	DVELV-303P-IV	●	●	●
Lutron	DVELV-303P-LA	●	●	●
Lutron	DVELV-303P-WH	●	●	●
Lutron	MAELV-600-AL	●	●	●
Lutron	MAELV-600-BL	●	●	●
Lutron	MAELV-600-BR	●	●	●
Lutron	MAELV-600-GR	●	●	●
Lutron	MAELV-600-IV	●	●	●
Lutron	MAELV-600-LA	●	●	●
Lutron	MAELV-600-WH	●	●	●

Note: Dimmer compatibility is applicable only in ballast-bypass (Type B) installations using Dimming Module 84979.
 For Type A applications, refer to the ballast compatibility list.

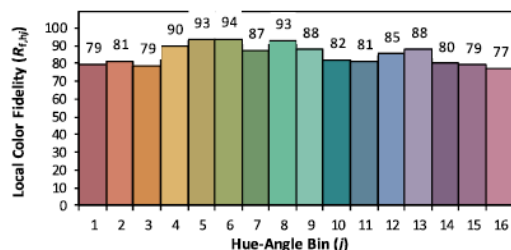
ProLED Select T8 Linear Hybrid Series G2

Photometrics

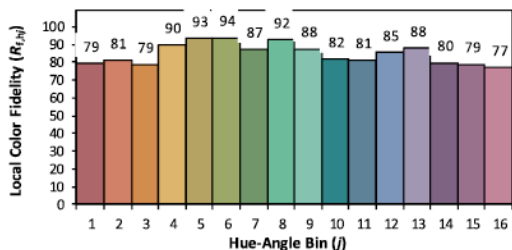
24T8-8-8CS-HYB-D-LED2 (Type A)

24T8-8-8CS-HYB-D-LED2 (Type B)

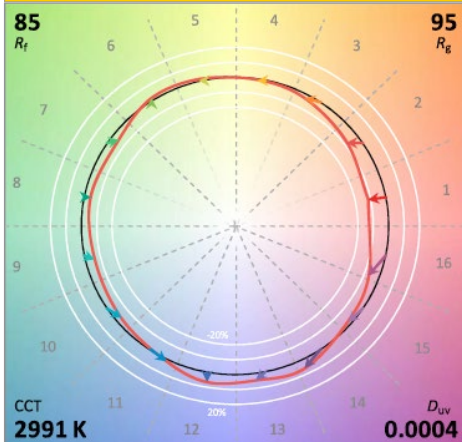
24T8-8-8CS-HYB-D-LED2 Set to 3000K



24T8-8-8CS-HYB-D-LED2 Set to 3000K



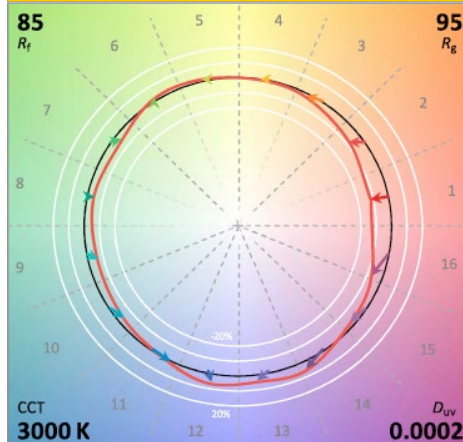
Color Vector Graphics



Color Metrics

RF	85
RG	95

Color Vector Graphics



Color Metrics

RF	85
RG	95

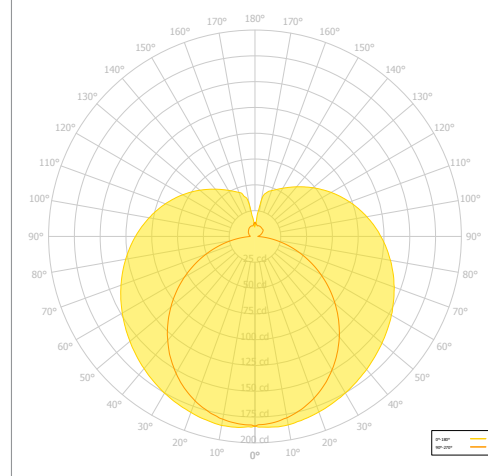
24T8-8-8CS-HYB-D-LED2 Set to 6500K

Lumen Output Multiplication Factors

Candela Polar Plot

Zonal Lumen Summary		
Zonal	Lumens	% Fixture
0° - 10°	17	2%
10° - 20°	51	5%
20° - 30°	78	7%
30° - 40°	98	9%
40° - 50°	109	10%
50° - 60°	112	10%
60° - 70°	107	9%
70° - 80°	97	9%
80° - 90°	84	7%
0° - 90°	756	70%
0° - 180°	1077	100%

3000K	3500K	4000K	5000K	6500K
0.95	0.96	0.97	0.98	1



ProLED Select T8 Linear Hybrid Series G2

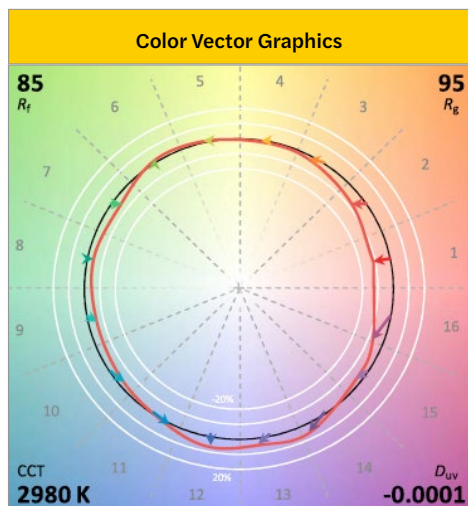
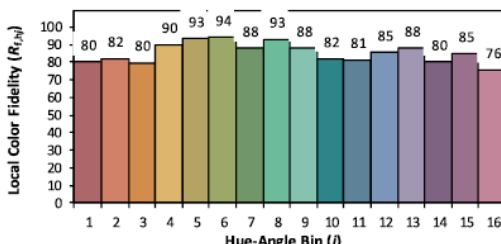
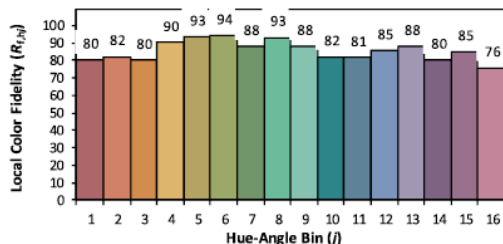
Photometrics

36T8-12-8CS-HYB-D-LED2 (Type A)

36T8-12-8CS-HYB-D-LED2 (Type B)

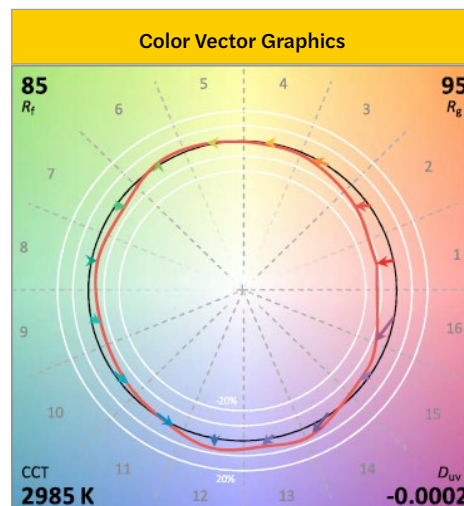
36T8-12-8CS-HYB-D-LED2 Set to 3000K

36T8-12-8CS-HYB-D-LED2 Set to 3000K



Color Metrics

RF	85
RG	95



Color Metrics

RF	85
RG	95

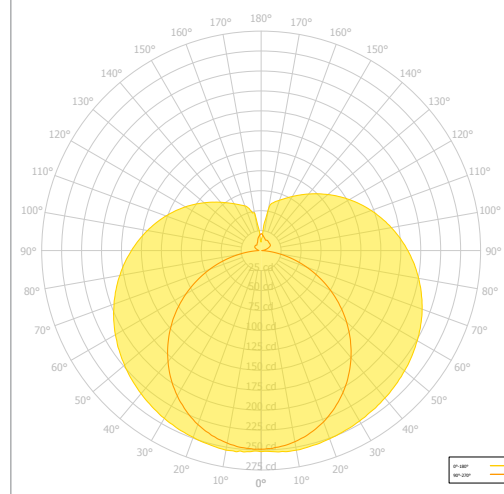
36T8-12-8CS-HYB-D-LED2 Set to 6500K

Lumen Output Multiplication Factors

Candela Polar Plot

Zonal Lumen Summary		
Zonal	Lumens	% Fixture
0° - 10°	24	2%
10° - 20°	70	5%
20° - 30°	108	7%
30° - 40°	137	9%
40° - 50°	154	10%
50° - 60°	159	10%
60° - 70°	153	10%
70° - 80°	139	9%
80° - 90°	121	8%
0° - 90°	1065	70%
0° - 180°	1514	100%

3000K	3500K	4000K	5000K	6500K
0.95	0.96	0.97	0.98	1



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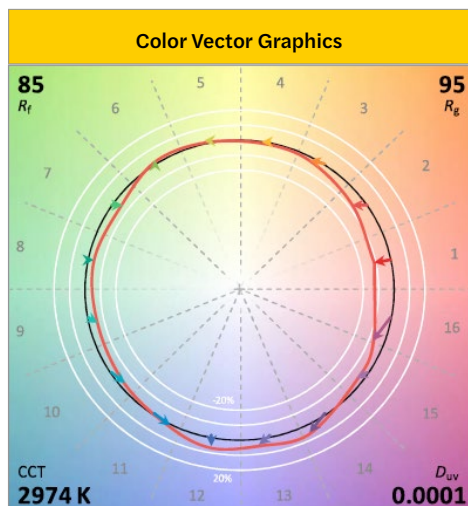
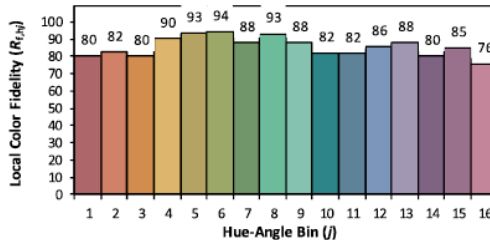
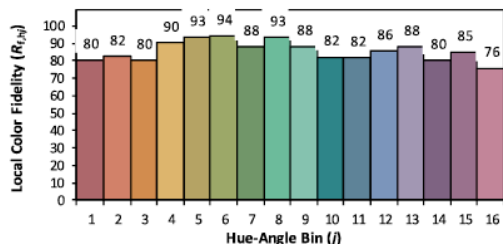
Photometrics

48T8-12-8CS-HYB-D-LED2 (Type A)

48T8-12-8CS-HYB-D-LED2 (Type B)

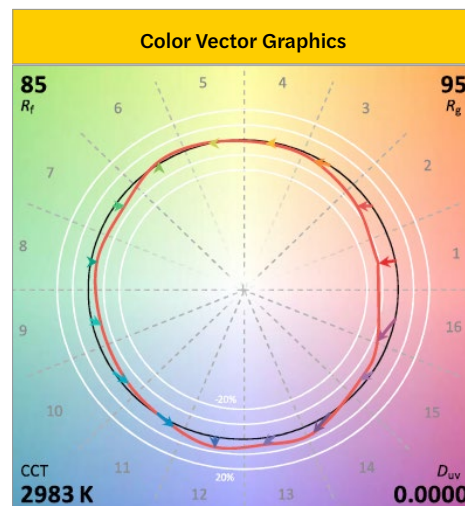
48T8-12-8CS-HYB-D-LED2 Set to 3000K

48T8-12-8CS-HYB-D-LED2 Set to 3000K



Color Metrics

RF	85
RG	95



Color Metrics

RF	85
RG	95

48T8-12-8CS-HYB-D-LED2 Set to 6500K

Lumen Output Multiplication Factors

Candela Polar Plot

Zonal Lumen Summary

Zonal	Lumens	% Fixture
0° - 10°	28	2%
10° - 20°	81	5%
20° - 30°	126	7%
30° - 40°	159	9%
40° - 50°	177	10%
50° - 60°	184	10%
60° - 70°	178	10%
70° - 80°	162	9%
80° - 90°	142	8%
0° - 90°	1239	70%
0° - 180°	1792	100%

3000K	3500K	4000K	5000K	6500K
0.95	0.96	0.97	0.98	1

