

## 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

|            |  |           |  |
|------------|--|-----------|--|
| DATE:      |  | LOCATION: |  |
| TYPE:      |  | PROJECT:  |  |
| CATALOG #: |  |           |  |



### 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          |
|----------------------------------------------------------------------------------------------------|----------------------------------------------------|------------------------------------------------------------------------|------------------------------------------------------------------------------|---------------------|--------------------------------|
| <b>24T8</b> = 24 inch, T8 Lamp<br><b>36T8</b> = 36 inch, T8 Lamp<br><b>48T8</b> = 48 inch, T8 Lamp | <b>8</b> = 8 Watts<br><b>12</b> = 12 or 12.5 Watts | <b>8CS</b> = 80 CRI, Color Selectable<br>3000K-3500K-4000K-5000K-6500K | <b>HYB</b> = Hybrid Direct (A) & Bypass (B) - Single/Double Ended Connection | <b>D</b> = Dimmable | <b>LED2</b> = 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 |

## ProLED Select T8 Linear Hybrid Series G2

### 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

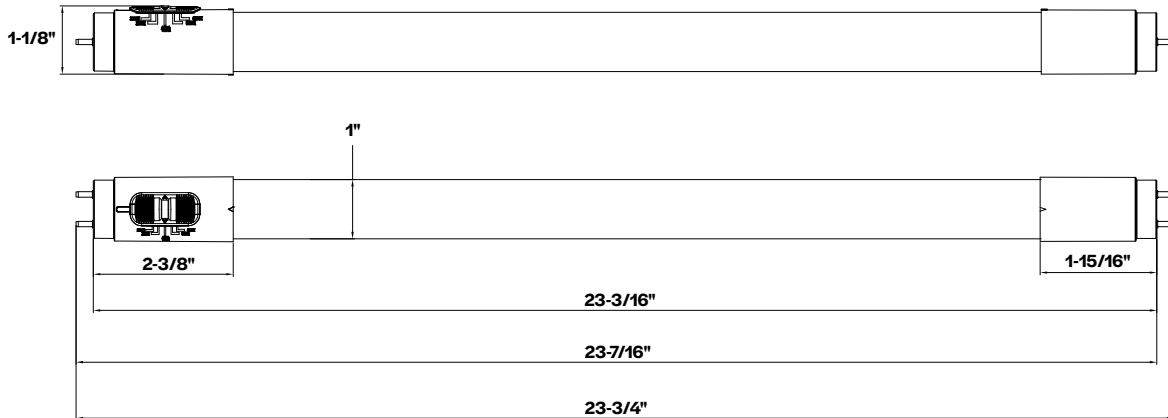
|                             | 24T8-8-8CS-HYB-D-LED2                                      | 36T8-12-8CS-HYB-D-LED2 | 48T8-12-8CS-HYB-D-LED2 |
|-----------------------------|------------------------------------------------------------|------------------------|------------------------|
| Nominal Wattage             | 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

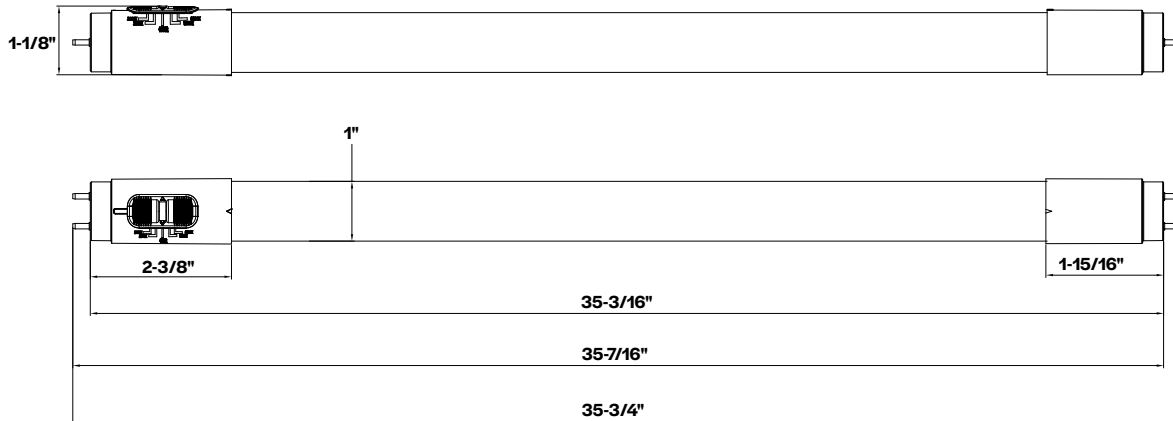
### 2-Foot Selectable T8 Hybrid Lamps

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



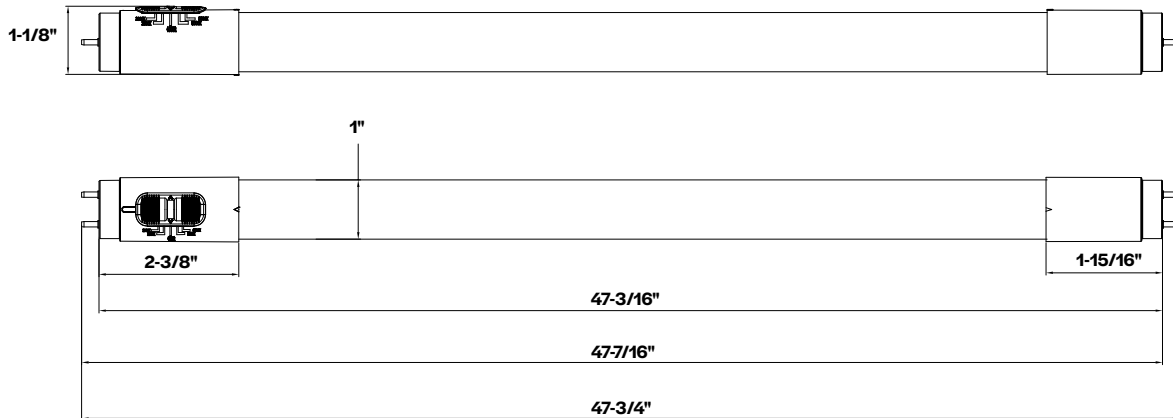
### 3-Foot Selectable T8 Hybrid Lamps

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

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



### 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

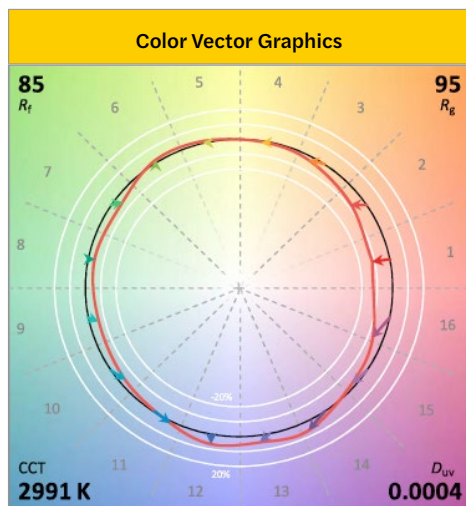
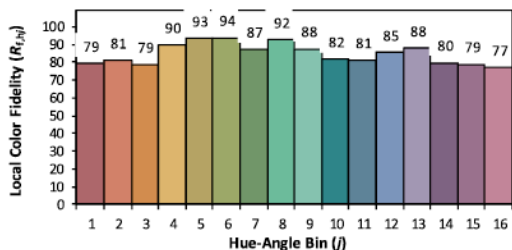
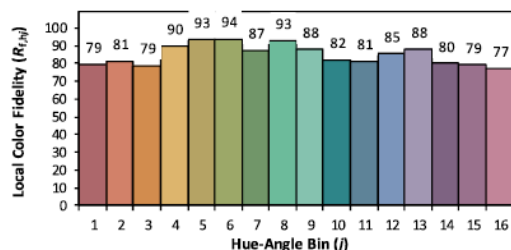
### Photometrics

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

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

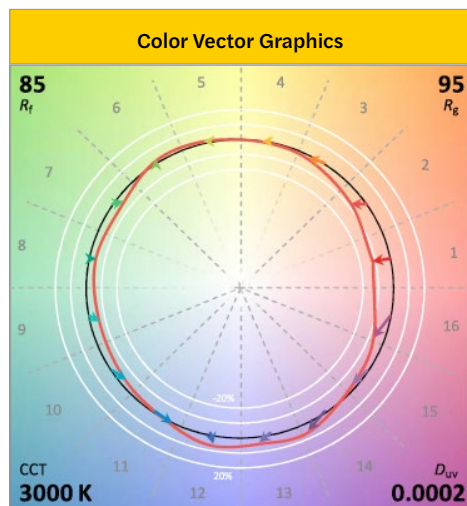
24T8-8-8CS-HYB-D-LED2 Set to 3000K

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



Color Metrics

|    |    |
|----|----|
| RF | 85 |
| RG | 95 |



Color Metrics

|    |    |
|----|----|
| RF | 85 |
| RG | 95 |

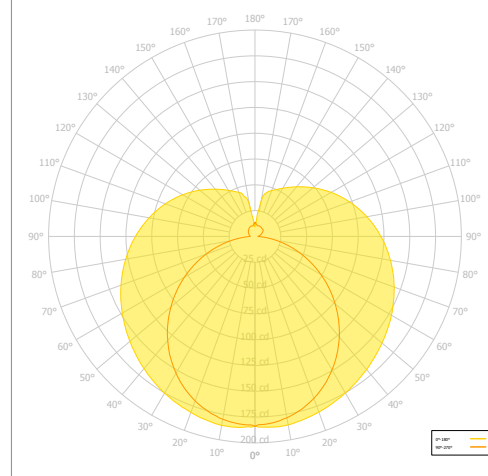
24T8-8-8CS-HYB-D-LED2 Set to 6500K

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     |

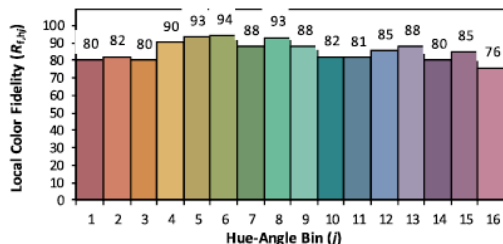


## ProLED Select T8 Linear Hybrid Series G2

### Photometrics

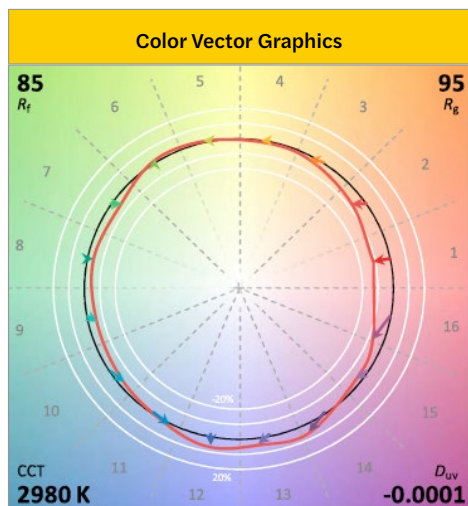
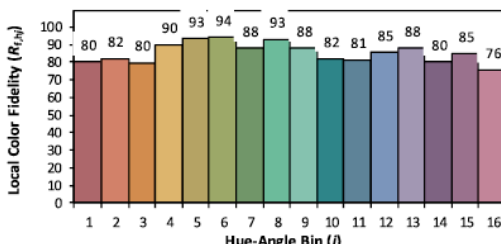
#### 36T8-12-8CS-HYB-D-LED2 (Type A)

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



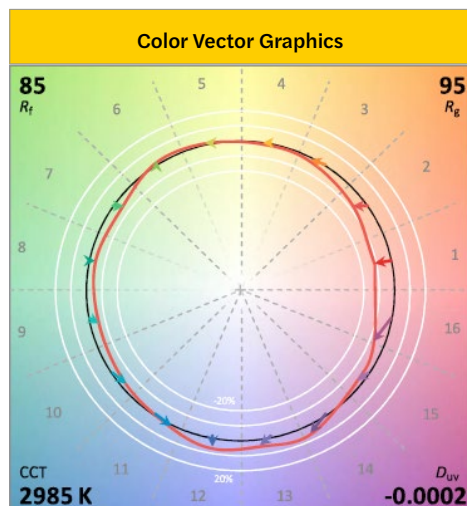
#### 36T8-12-8CS-HYB-D-LED2 (Type B)

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

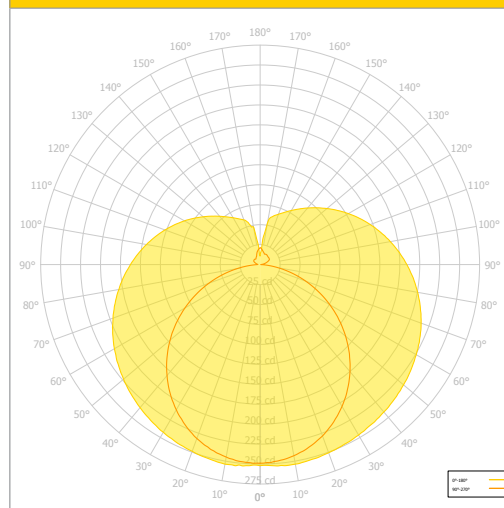
Zonal Lumen Summary

| 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%      |

Lumen Output Multiplication Factors

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

Candela Polar Plot

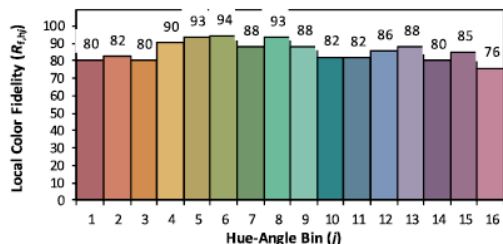


## ProLED Select T8 Linear Hybrid Series G2

### Photometrics

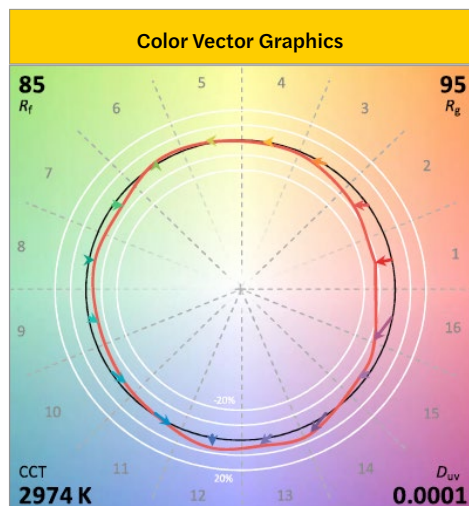
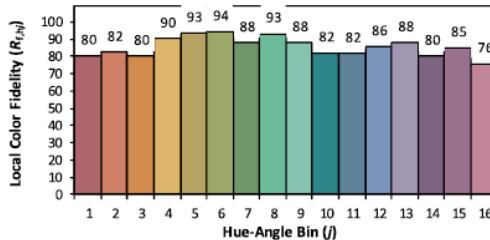
#### 48T8-12-8CS-HYB-D-LED2 (Type A)

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



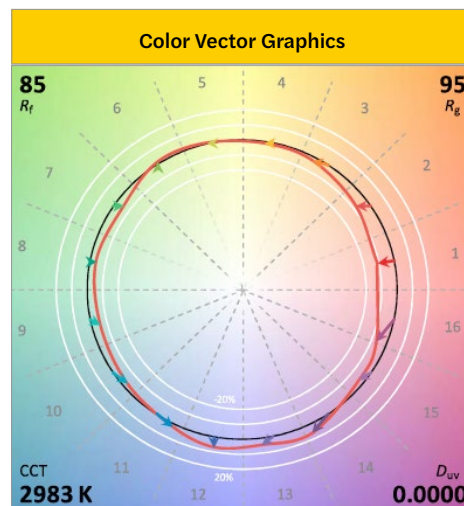
#### 48T8-12-8CS-HYB-D-LED2 (Type B)

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

#### 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%      |

#### Lumen Output Multiplication Factors

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

#### Candela Polar Plot

