

Electronic T8 Fluorescent Digital Dimming Systems

QUICKTRONIC® DALI T8 Dimming

Professional Series

Lamp/Ballast Guide

32W T8 - OCTRON®
 1-lamp QTP1x32T8/DALI
 2-lamp QTP2x32T8/DALI

Operates Lamp Types:

FO32
 FBO32
 FBO31

Key System Features

- Digital Addressable Control
- Individual control of fixtures
- Up to 16 groups
- Up to 16 scenes
- 100 – 1% dimming
- Programmable fade rates
- 1.0 ballast factor at full power
- Universal Input Voltage (120- 277V)
- Programmed rapid start
- QUICK 60+® lamp and ballast warranty
- Anti-flash circuitry – turns on at previous light level
- Operates >40kHz to reduce potential IR interference
- Control may be wired for Class 1 or Class 2 applications
- Wiretrap connectors
- UL, cUL, FCC

Application Information

SYLVANIA QUICKTRONIC DALI Dimming

is ideally suited for:

- All size offices
- Daylight harvesting
- Energy management
- Load Shedding
- A/V presentations
- Conference rooms
- Occupancy sensors
- Creative lighting designs

For optimal dimming performance, fluorescent lamps may require seasoning up to 100 hours prior to dimming to the lowest light levels.

SYLVANIA QUICKTRONIC DALI

Dimming combines digital control technology with full-range continuous dimming to provide a new level of lighting system performance. This allows for greater flexibility and control of the lighting environment than can be achieved with traditional 0-10VDC dimming systems. The communications protocol is “DALI”, an acronym for “Digital Addressable Lighting Interface”. This is a worldwide standard for digital lighting control that has been accepted by all the leading lighting suppliers.

SYSTEM 32 DALI controls OCTRON T8 lamps over a wide (100 – 1%) range of light level settings, from 1.0 ballast factor to .01 ballast factor. Control wiring is simplified by two polarity-free connections that can be routed in the same raceway as power wires.

SYSTEM 32 DALI is available in one and two lamp models that operate from 120V through 277V, eliminating “wrong voltage” wiring errors and reducing the number of models in inventory by half.

System Information

Programmed rapid start ballasts provide optimum starting conditions to provide up to 100,000 switching cycles for use on occupancy sensor and building control system applications.

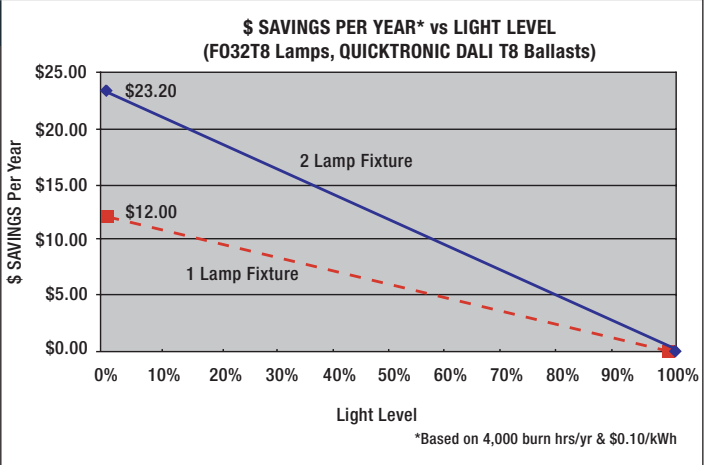
Individual addressability allows the user to dim any particular fixture or groups of fixtures at one time. Simple controller programming steps allow for:

1. Fade rates, dim levels, time of day, groups and scenes to be customized.
2. Flexibility in grouping fixtures; (no need to re-wire fixtures when groups need to be changed).
3. Systems are scalable and can be expanded anytime user needs change, without the need for costly re-wiring. Additional fixtures are added to groupings simply by means of software.



SYSTEM 32 DALI offers full rated lamp output (1.0 ballast factor) at the maximum light setting. Compared to “normal” systems (0.88 ballast factor), this allows for higher light levels when desired and can be used to compensate for lamp lumen depreciation.

Setting the standard for quality, SYSTEM 32 DALI is also covered by our QUICK 60+® warranty, the first and most comprehensive system warranty in the industry.



When used in conjunction with appropriate controls, feedback can be obtained on operating conditions, such as operating hours, light-level or failed lamps. This lamp fault-reporting feature can save significant cost by quickly identifying the location, especially in large facilities or in applications where lamps are concealed by lenses.

SYSTEM 32 DALI lighting systems can also be integrated with Building Management Systems (BMS) by installing gateways that translate between the DALI and BMS systems. Specification of DALI compatible gateways, controls and ballasts ensure flawless operation of the lighting system.

T8 DALI

Electronic DALI T8 Fluorescent Controllable Lighting Systems

Item Number	Description	Input Voltage (VAC)	Input Current (AMPS)	Lamp Type	Rated Lumens (lm)	No. of Lamps	Ballast Factor (BF)	System Lumens	Input Power (Watts)	System Efficacy (lm/W)
51350	QTP 1x32T8/UNV DALI	120/277	0.31/0.13	F032XP	3000	1	1.00 0.01	3000 30	36 6	83
51352	QTP 2x32T8/UNV DALI	120/277	0.61/0.26	F032XP	3000	2	1.00 0.01	6000 60	72/70 12	83/86

Performance Guide

Data shown based upon SYLVANIA OCTRON® F032/XP™ lamps. QUICKTRONIC® DALI ballasts are also compatible with other manufacturers equivalent lamp types that meet ANSI specifications.

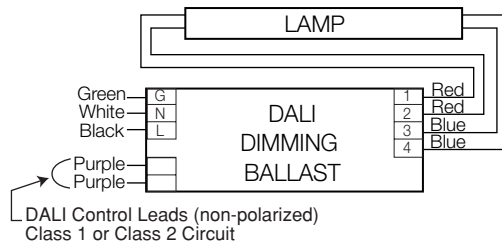
Specifications

Starting Method: Programmed Rapid-Start
Circuit Type: Series
Lamp Frequency: >40kHz
Lamp CCF: <1.7
Starting Temp: 50°F min.
Input Frequency: 50/60 Hz
THD: <10% @ full output
Power Factor: >98% @ full output
Voltage Range: 108-305V

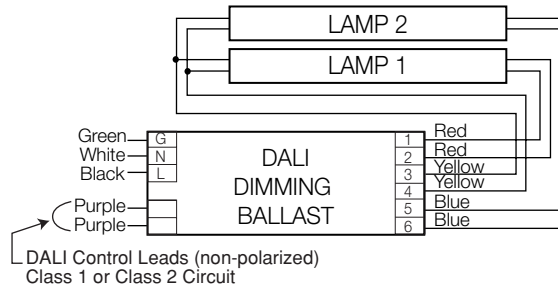
UL Listed Class P, Indoor
 cUL Certified
 Temp. Test Point (Tc) on ballast label:
 1 lamp model: 65°C max
 2 lamp model: 70°C max.
 All other points on ballast: 75°C max.
 FCC 47CFR Part 18 Non-Consumer
 Class A Sound Rating
 ANSI C62.41 Cat. A
 Transient Protection

Wiring Diagrams:

Wiring: Push-in (wiretrap) connections
 Use 18 AWG solid copper wire only



QTP1x32T8/UNV DALI



QTP2x32T8/UNV DALI

Control Information

QUICKTRONIC DALI ballasts are compatible with DALI digital controllers available from various manufacturers. For a list of DALI control manufacturers, please contact OSRAM SYLVANIA.

Refer to pages 74 & 75 for controls information.

Control Specifications:
 Two wire non-polarized control.
 May be wired as Class 1 or Class 2 circuit, consult Local and National Electrical Codes.

Ordering Guide

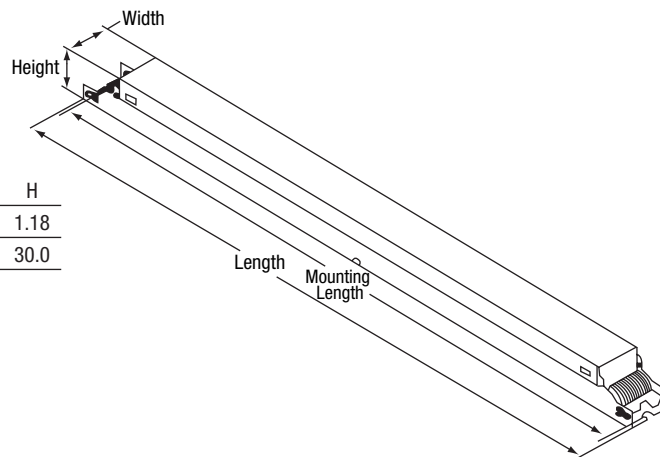
Specifications subject to change without notice.

Packaging:

Quantity: 25 pieces
 Weight: 1.2 lbs each (approx.)

Dimensions:

Units	L	ML	W	H
inches	18.05	17.70	1.18	1.18
mm	458.5	449.6	30.0	30.0



Item Number ————— **51352** **QTP 2** x **32T8 / UNV DALI** ————— System Type - DALI
 QUICKTRONIC PROFESSIONAL ————— Line Voltage (120-277V)
 Number of Lamps ————— Primary Lamp Type (F32T8)