

# QUICKTRONIC® PROStart® DL40 Systems



**Programmed Rapid Start  
Normal Ballast Factor**

## Professional Series

**QTP DL40/SS PSN**

### Lamp / Ballast Guide

40W T5 - DULUX® L lamps

1-lamp QTP1x40TT5 PSN-F

2-lamp QTP2x40TT5 PSN-F

3-lamp QTP3x40TT5 PSN-B

Primary Lamp Type:

FT40DL

Also operates:

FT40DL/28W/SS

### Key System Features

- PROStart Programmed Rapid Start Ballast
- 0.88 Ballast factor
- QUICKSENSE® ballast technology (end-of-lamp-life sensing)
- 0°F (-18°C) Starting Temp.
- High luminous efficacy
- Virtually eliminates lamp flicker
- Quiet operation
- High power factor
- Low harmonic distortion
- Lightweight
- UL, CSA, FCC
- Auto Reset
- RoHS compliant
- Lead-free solder and manufacturing process



### Application Information

#### SYLVANIA QUICKTRONIC PROStart DL40 ballasts

are ideally suited for:

- Occupancy sensors
- Building control systems
- Any applications where maximum lamp life is required to reduce maintenance costs

SYLVANIA QUICKTRONIC PROStart DL40 ballasts operate DULUX L 40 lamps with maximum efficacy and high lumen output.

PROStart DL40 ballasts provide over 20% more lumen output than 34T12 systems. Also, the small lamp diameter and sleek profile provide new design options and improved fixture optics.

SYSTEM DL40 ballasts contain QUICKSENSE ballast technology, a patented circuitry designed to shut down the system reliably and safely when the lamps have reached their end-of-life.

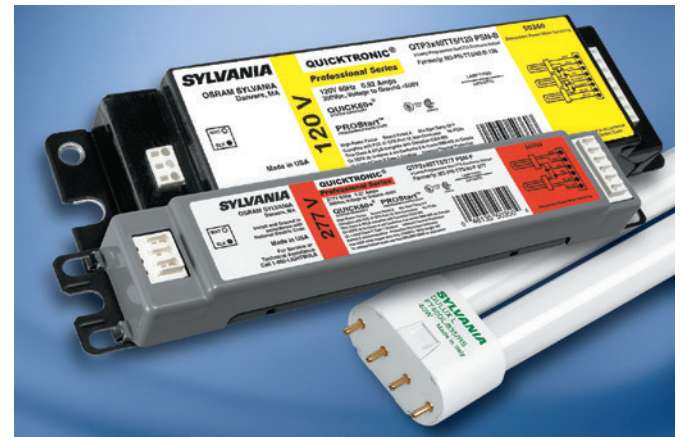
SYSTEM PROStart DL40 is available in one, two, and three lamp models in 120V and 277V to cover a wide range of applications.

These ballasts are also RoHS compliant and feature lead-free solder and manufacturing process.

### System Information

QUICKTRONIC PROStart ballasts provide optimum starting conditions to provide over 50,000 switching cycles for occupancy sensor and building control system applications.

QUICKSENSE ballast technology helps to protect against over-heated bases and sockets, as well as cracking of the glass wall, and uses dynamic end-of-lamp-life sensing to avoid false shutdowns caused by some static sensing methods. QUICKSENSE ballast technology will auto reset when the lamps are replaced with new ones.



Setting the standard for quality, QUICKTRONIC PROStart DL40 Systems are covered by the QUICK 60+® warranty, the first and most comprehensive system warranty in the industry.

System Type (2 x 2)	Input Power (W)	Initial System Lumens	System Efficacy LPW
FB40T12 - Std. Magnetic Ballast	96	5795	60
E.S. Magnetic Ballast	86	5795	67
FB34T12 - E.S. Magnetic Ballast	72	4575	66
FB032T8 - Magnetic	71	5415	76
FTDL40 - QTP2x40TT5-PSN	76	5545	73
FT40DL/28W/SS - QTP2x40TT5-PSN	70	5600	80
FTDL40 - QTP3x40TT5-PSN	110	8315	76
FT40DL/28W/SS - QTP3x40TT5-PSN	102	8400	82

**SPECIFICATION DATA**

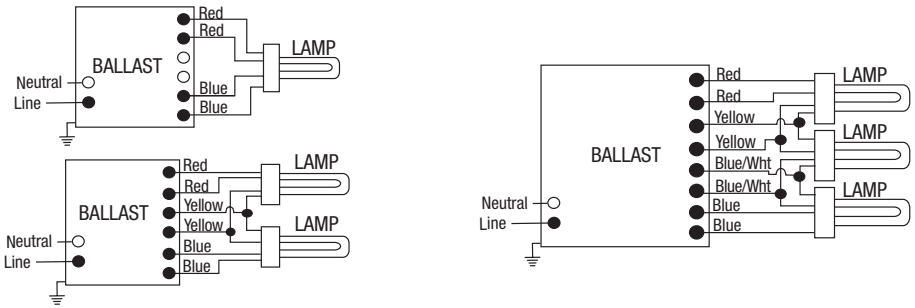
Catalog #	Date	Type
Project	Prepared by	
Comments		

**THD Electronic TT5 Compact Fluorescent Systems**



Item Number	Description	Input Voltage (VAC)	Input Current (AMPS)	Lamp Type	Rated Lumens (lm)	No. of Lamps	Ballast <sup>2</sup> Factor (BF)	System Lumens	Mean Lumens	Input Power (W)	System Efficacy (lm/W)	BEF <sup>1</sup>
50330	QTP1x40TT5/277 PSN-F	277	0.13 0.13	FT40T5 FT40DL/ 28W/SS	3150 2800	1 1	0.88 1.00	2770 2800	2485 2520	37 34	75 82	2.38 2.94
50340	QTP2x40TT5/120 PSN-F	120	0.63 0.59	FT40T5 FT40DL/ 28W/SS	3150 2800	2 2	0.88 1.00	5545 5600	4990 5040	76 70	73 80	1.16 1.43
50350	QTP2x40TT5/277 PSN-F	277	0.27 0.25	FT40T5 FT40DL/ 28W/SS	3150 2800	2 2	0.88 1.00	5545 5600	4990 5040	73 67	76 84	1.21 1.49
50360	QTP3x40TT5/120 PSN-B	120	0.92 0.85	FT40T5 FT40DL/ 28W/SS	3150 2800	3 3	0.88 1.00	8315 8400	7485 7560	110 102	76 82	0.80 0.98
50370	QTP3x40TT5/277 PSN-B	277	0.39 0.38	FT40T5 FT40DL/ 28W/SS	3150 2800	3 3	0.88 1.00	8315 8400	7485 7560	108 100	77 84	0.81 1.00

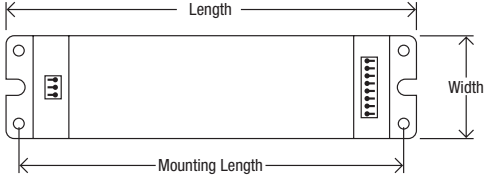
1 Ballast Efficiency Factor (BEF) shown = (Ballast Factor x 100) divided by Input Power.  
 2 Ballast Factor based upon 225mA nominal lamp current for FT40DL lamp and 190mA nominal lamp current for FT40DL/28W/SS lamp.  
 Note: For a 1 lamp, 120V ballast option please see item number 49428 on page 95.



**Dimensions "B" Enclosure:**  
 Overall: 9.5" L x 2.38" W x 1.25" H  
 Mounting: 8.91"

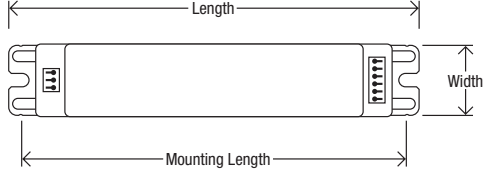
**Packaging:**  
 Quantity: 20 pieces  
 Weight: 1.3 lbs each

**Wiring:**  
 Leads only



**Dimensions "F" Enclosure**  
 Overall: 9.5" L x 1.6" W x 1.0" H  
 Mounting: 8.91"

**Packaging:**  
 Quantity: 20 pieces  
 Weight: 0.75 lbs each



Item Number **50350** QTP 2 x 40TT5 / 277 PSN F ——— Enclosure Type (F)  
 QUICKTRONIC PROFESSIONAL ——— Starting Type/Ballast Factor  
 Number of Lamps (1, 2, 3) ——— Line Voltage  
 ——— Primary Lamp Type (FT40T5)

**Normal Ballast Factor**

**DL40 PROStart®**

**Professional Series**

**Performance Guide**

Data based upon SYLVANIA DL40 lamps shown. QUICKTRONIC® PROStart DL40 is also compatible with other lamp manufacturers equivalent lamp types that meet ANSI specifications.

**Specifications**

- Starting Method:** Programmed Rapid Start
- Ballast Factor:** 0.88
- Circuit Type:** Series
- Lamp Frequency:** >42 kHz
- Lamp CCF:** Less than 1.5
- Starting Temp:** 0°F (-18°C)<sup>3</sup>
- Input Frequency:** 60 Hz
- Low THD:** <10%
- Power Factor:** >99%
- Voltage Range:** ±10% of Rated Input

- UL Listed Class P, Type 1 Outdoor
- CSA Certified
- 70°C Max Case Temperature
- FCC 47CFR Part 18 Non-Consumer
- Class A Sound Rating
- RoHS Compliant<sup>4</sup>
- ANSI C62.41 Cat. A Transient Protection
- Remote Mounting (Max. wire length from ballast case to lampholder):
  - Up to 10 feet for FTDL40T5
  - No remote mounting for FT40DL/SS
- 3 Operation below 50°F (10°C) may affect light output or lamp operation – see "Low Temp. Starting" definition.
- 4 Complies with European Union Restriction of Hazardous Substances Directive (Directive EC 2002/95)

**System Life / Warranty**

QUICKTRONIC products are covered by the QUICK 60+® warranty, a comprehensive lamp and ballast system warranty. For additional details, refer to the QUICK 60+ warranty bulletin.

**OSRAM SYLVANIA**  
**National Customer Service and Sales Center**  
 1-800-LIGHTBULB  
 (1-800-544-4828)  
 www.sylvania.com

Specifications subject to change without notice.



QTP DL40/SS PSN

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