





SPECIFICATION DATA

Catalog #	Date	Type
Project	Prepared by	
Comments		

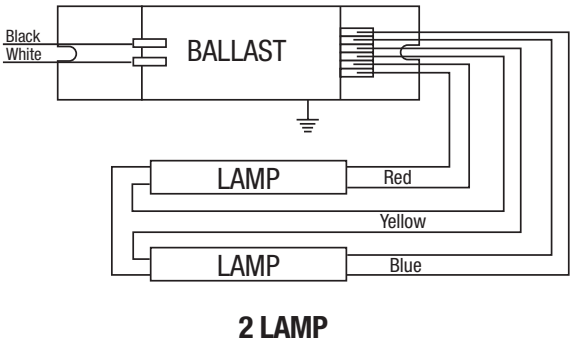
2 LAMP T5HO UNV HT  
Fixed Output Ballast  
Professional Series

<10% THD Electronic 2 Lamp T5HO High Ambient Fluorescent Systems

Lamp / Ballast Guide

High ambient model (90°C case temp.)  
49136 QTP 2x54T5HO/UNV PSN HT

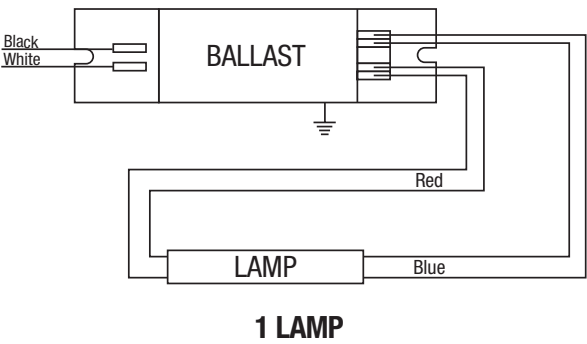
Wiring diagram for 2-Lamp model



Installation Notes

- Install in accordance with National & Local Electric Code
- Ground ballast case
- Switching: Simultaneously disconnect all ungrounded line conductors

2-Lamp model can be wired for one lamp operation.



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



Item Number — 49136 QTP 2 x 54 T5HO / UNV PSN HT — High Ambient Temperature (Case)  
QUICKTRONIC PROFESSIONAL — Starting/Ballast Factor  
Number of Lamps (1, 2) — Line Voltage (120-277V)  
Primary Lamp Wattage

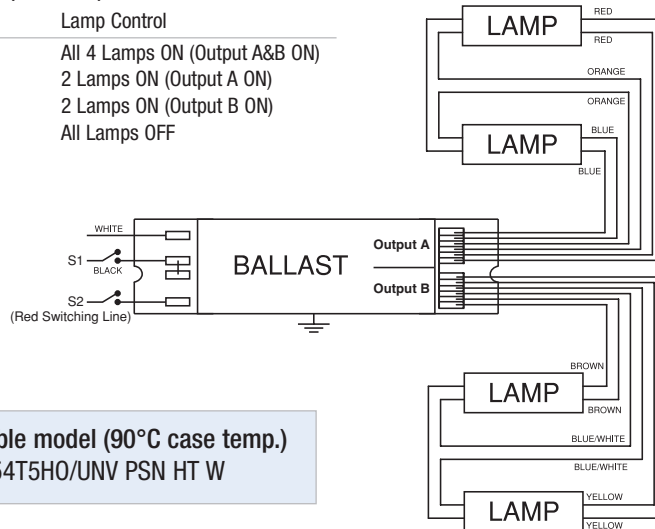
## SPECIFICATION DATA

Catalog #	Date	Type
Project	Prepared by	
Comments		

## <10% THD Electronic 4 Lamp T5HO High Ambient Fluorescent Systems

### 4-Lamp Switching Wiring Diagram (4L to 2L)

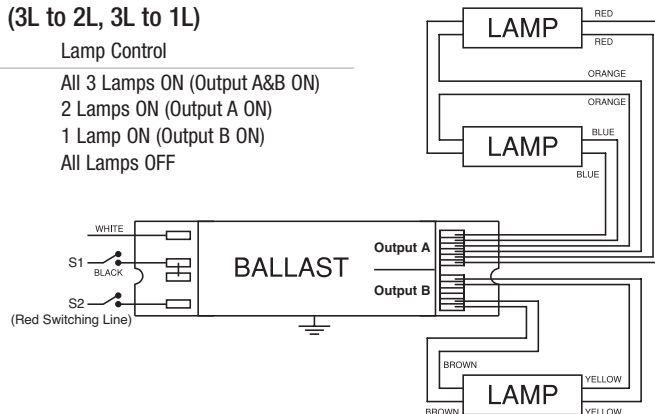
S1 (Output A)	S2 (Output B)	Lamp Control
Closed (ON)	Closed (ON)	All 4 Lamps ON (Output A&B ON)
Closed (ON)	Open (OFF)	2 Lamps ON (Output A ON)
Open (OFF)	Closed (ON)	2 Lamps ON (Output B ON)
Open (OFF)	Open (OFF)	All Lamps OFF



**High ambient switchable model (90°C case temp.)**  
49161 QTP 4x54T5HO/UNV PSN HT W

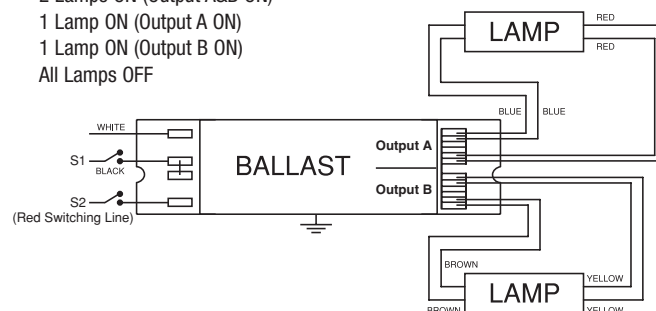
### 3-Lamp Switching Wiring Diagram (3L to 2L, 3L to 1L)

S1 (Output A)	S2 (Output B)	Lamp Control
Closed (ON)	Closed (ON)	All 3 Lamps ON (Output A&B ON)
Closed (ON)	Open (OFF)	2 Lamps ON (Output A ON)
Open (OFF)	Closed (ON)	1 Lamp ON (Output B ON)
Open (OFF)	Open (OFF)	All Lamps OFF



### 2-Lamp Switching Wiring Diagram (2L to 1L)

S1 (Output A)	S2 (Output B)	Lamp Control
Closed (ON)	Closed (ON)	2 Lamps ON (Output A&B ON)
Closed (ON)	Open (OFF)	1 Lamp ON (Output A ON)
Open (OFF)	Closed (ON)	1 Lamp ON (Output B ON)
Open (OFF)	Open (OFF)	All Lamps OFF



Item Number **49161 QTP 4 x 54 T5HO / UNV PSN HTW** High Ambient Temperature (Case)  
QUICKTRONIC PROFESSIONAL Starting/Ballast Factor  
Number of Lamps Line Voltage (120-277V)  
Primary Lamp Wattage

## 4 LAMP T5HO UNV HT Switchable Ballast

### Professional Series

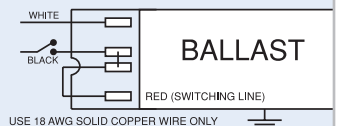
### Switching Schematics



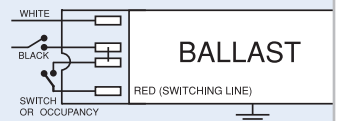
### Installation Notes

- Install in accordance with National & Local Electric Code
- Ground ballast case
- Switching: Simultaneously disconnect all ungrounded line conductors
- The AC line inputs must be connected to the same phase of the line voltage
- DO NOT CONNECT two separate phases of line voltage to the input of the ballast

Input wiring for non-switching operation  
(Install jumper between black & red switching line terminals)



Input wiring for occupancy sensors  
(Install occupancy sensor/switch between black & red line terminals)



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