QUICKTRONIC® PROStart® T5HO Universal Voltage Systems

High Efficiency Series

Lamp / Ballast Guide
1 or 2 lamp T5HO - PENTRON® lamps
QHE2x54-24T5HO/UNV PSN
QHE2x54T5HO/UNV PSN
Also operates:
FP39/SS, FP24/SS, FPC22, FT24DL,
FT36DL, FP54/SS, FT55DL, FT50DL,
FPC55 and L58T8
Two lamp model can be wired for one lamp operation.

Key System Features
• High Efficiency Systems over 90% efficient
• Universal voltage (120-277V)
• Low-profile (1.00” High)
• 100% Ballast factor (see table)
• QUICKSENSE® ballast technology (end-of-lamp-life sensing)
• PROStart programmed rapid start
• UL type CC rated
• Min. Starting Temp: • -20°F/-29°C
• Operates at >42 KHz to reduce potential interference with infrared control systems
• High power factor
• Low harmonic distortion
• Lightweight
• UL, CSA, FCC
• RoHS compliant
• Lead-free solder and manufacturing process

SYLVANIA QUICKTRONIC High Efficiency (QHE) PROStart T5HO electronic ballasts operate PENTRON HO, PENTRON HO Circline, and DULUX® L T5 lamps with full lumen output and optimal system performance. These ballasts provide nearly twice the light output (188%) of T8 systems, with the same number of lamps, allowing many new design options. One lamp fixtures can now be used in place of two lamp models.

QUICKTRONIC High Efficiency T5HO ballasts offer a minimum starting temperature of -20°F/-29°C for PENTRON T5HO lamps.

QUICKTRONIC PROStart T5HO ballasts are RoHS compliant and feature lead-free solder and manufacturing process.

The two lamp unit can be wired for one lamp operation, allowing for an additional 50% reduction in inventory model numbers. The ballast has a 1.18”W x 1.00”H (30mm x 25.4mm) cross section which allows for smaller and unique fixture profiles.

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

Application Information
SYLVANIA QUICKTRONIC High Efficiency T5HO ballasts are ideally suited for:
• Commercial & retail
• Hospitality & institutional
• New construction
• Industrial high bay lighting
• Indirect lighting
• Surface mount
• Cove lighting

SYLVANIA QUICKTRONIC ballast technology helps to protect against overheated 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 end-of-life lamps are replaced with new ones.

System Information

SYLVANIA QUICKTRONIC T5HO High Efficiency (QHE) System advantages:
• Operate from 120V through 277V
• Eliminates “wrong voltage” errors
• Reduces inventory by 50%
• Utilizes Programmed Rapid Start operation for
• Highest System Efficacy
• Longer Life
• Over 100,000 switching cycles for occupancy sensor and building control systems applications

QUICKSENSE ballast technology helps to protect against overheated 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 end-of-life lamps are replaced with new ones.

*Fixture efficiency not considered *Lumen Output for T5HO @ 35°C/95°F * 120V input voltage

System

<table>
<thead>
<tr>
<th>System Type</th>
<th>Input System Power (W)</th>
<th>Initial System Lumens</th>
<th>Mean System Lumens</th>
<th>Initial System Efficacy (lm/W)</th>
<th>Relative Mean Lumens (%)</th>
<th>Energy Savings (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>FP54T5HO - OTH 2x4T5HO/UNV PSN (2-lamp)</td>
<td>121</td>
<td>10,000</td>
<td>9300</td>
<td>83</td>
<td>Baseline</td>
<td>Baseline</td>
</tr>
<tr>
<td>FP54T5HO - QHE 2x4T5HO/UNV PSN (2-lamp)</td>
<td>119</td>
<td>10,000</td>
<td>9300</td>
<td>84</td>
<td>100%</td>
<td>2%</td>
</tr>
<tr>
<td>FP54/50W/SS - QHE 2x54T5HO/UNV PSN (2-lamp)</td>
<td>112</td>
<td>10,200</td>
<td>9485</td>
<td>91</td>
<td>102%</td>
<td>7%</td>
</tr>
<tr>
<td>FP44/47W/SS - QHE 2x54T5HO/UNV PSN (2-lamp)</td>
<td>105</td>
<td>9335</td>
<td>8680</td>
<td>89</td>
<td>93%</td>
<td>13%</td>
</tr>
</tbody>
</table>

ECS228R2 - 1/2012

SEE THE WORLD IN A NEW LIGHT

www.sylvania.com
51470 QHE2x54T5HO/UNV PSN-MCL
10-pack (with leads)

51479 QHE2x39/24T5HO/UNV PSN

Product Weight:
51471: 0.88 lbs (0.40kg) each (approx)
51470: 1.0 lb (0.45kg) each (approx)

Dimensions:
Model QHE2x54T5HO/UNV PSN and QHE2x54T5HO/UNV PSN-MCL enclosure size:
Overall: 16.73”L x 1.18”W x 1.00”H (425mm L x 30mm W x 25.4mm H)
Mounting: 16.34” (415mm)

Model QHE2x29/24T5HO/UNV PSN enclosure size:
Overall: 14.73”L x 1.18”W x 0.87”H (375mm L x 30mm W x 22mm H)
Mounting: 13.74” (349mm)

Wiring:
51471: Push-in connectors
Use 18AWG solid copper wire only
51470: Leads only (no connectors provided)

Product Weight:
51471: 0.88 lbs (0.40kg) each (approx)
51470: 1.0 lb (0.45kg) each (approx)