



Product Description

MASTER HPI Plus

Quartz metal halide lamps with opalized outer bulb

Benefits

- High safety and comfort level, maintained over life
- Minimal maintenance cost
- Initial investment saving options with "Plus"-concept and "S" and "P"-types
- Adjustable atmosphere creation by using appropriate color temperature

Features

- Ovoid, internally white coated outer bulb
- Unique 3-band technology resulting in high luminous efficacy, both initially and over long lifetime
- Available in cool white and daylight color appearance demonstrating good color stability
- "S"-type for direct retrofit for HPL lamps
- "P"-type for use without protective front shield

Application

- High bay lighting, e.g. industrial workshops, exhibition halls, hypermarkets, shopping malls, DIY stores, churches, airports and train stations

Warnings and Safety

- Use only in totally enclosed luminaire, even during testing (IEC61167, IEC 62035, IEC60598)
- The luminaire must be able to contain hot lamp parts if the lamp ruptures
- For use with control gear designed for high-pressure mercury or sodium lamps

Related products

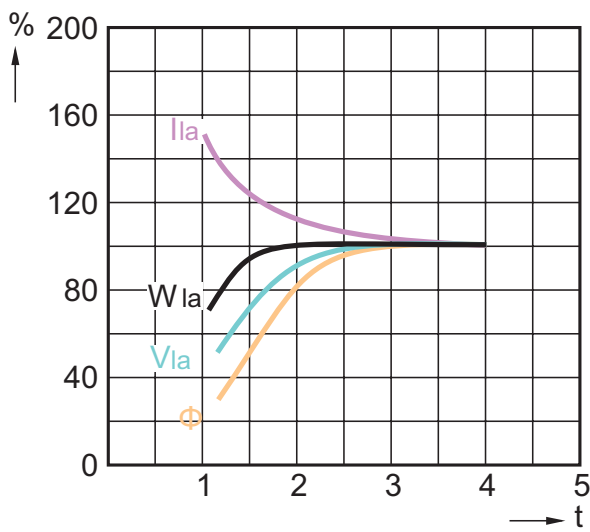


HPI, E40



HPI Plus, E40

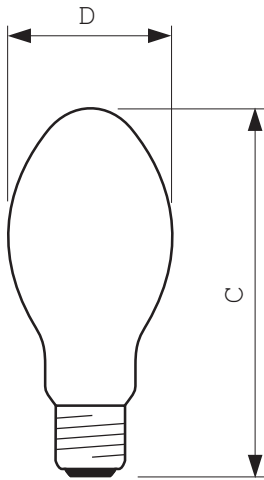
Dimensional drawing



HPI, E40

| Product | C (Max) | D (Max) |
|----------------------------|---------|---------|
| HPI Plus 400W/745 HOR E40 | 290 | 122 |
| HPI Plus 400W/745 BU E40 | 284 | 121.5 |
| HPI Plus 400W/745 BU E40 | 284 | 121.5 |
| HPI Plus 400W/767 BU E40 | 290 | 122 |
| HPI Plus 400W/767 BU E40 | 290 | 122 |
| HPI Plus 400W/767 BU E40 | 290 | 122 |
| HPI Plus 250W/745 BU E40 | 226 | 91 |
| HPI Plus 250W/745 BU E40 | 226 | 91 |
| HPI Plus 250W/767 BU E40 | 226 | 91 |
| HPI Plus 250W/767 BU E40 | 226 | 91 |
| HPI Plus 250W/767 BU E40 | 226 | 91 |
| HPI Plus 250W/767 BU E40 | 226 | 91 |
| HPI Plus 400W/745 BU-P E40 | 290 | 117.5 |
| HPI Plus 250W/745 BU-P E40 | 218 | 90 |
| HPI Plus 400W/745 BU E40 | 290 | 122 |
| HPI Plus 400W/745 BU E40 | 290 | 122 |
| HPI Plus 400W/745 BU E40 | 290 | 122 |
| HPI Plus 400W/745 BUS E40 | 290 | 122 |
| HPI Plus 400W/745 BUS E40 | 290 | 122 |
| HPI Plus 250W/745 BU E40 | 226 | 91 |
| HPI Plus 250W/745 BU E40 | 226 | 91 |
| HPI Plus 250W/745 BU E40 | 226 | 91 |

Dimensional drawing



HPI Plus, E40

| Product | C (Max) | D (Max) |
|-----------------------------|---------|---------|
| HPI Plus 400W/745 BUS E40 | 284 | 121.5 |
| HPI Plus 400W/745 BUS-P E40 | 290 | 117.5 |

General Characteristics (1/2)

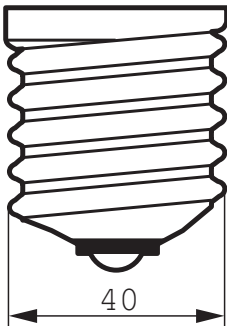
| Order code | Full product name | Bulb | Bulb Finish | Cap-Base | Operating Position | System Description | Life to 10% failures | Life to 20% failures | Life to 5% failures | Life to 50% failures | LSF EM 12000h Rated, 12h cycle |
|--------------|---------------------------------------|-------|-------------|----------|--------------------|--------------------------|----------------------|----------------------|---------------------|----------------------|--------------------------------|
| 928073109830 | MASTER HPI Plus 400W/745 HOR E40 1SL | BD120 | Coated | E40 | p20 | Horizontal | 7500 hr | 11000 hr | 5000 hr | 20000 hr | 76 % |
| 928074309830 | MASTER HPI Plus 400W/745 BU E40 1SL | BD120 | Coated | E40 | h15 | Base-Up | 7500 hr | 11000 hr | 5000 hr | 20000 hr | 76 % |
| 928074309878 | MASTER HPI Plus 400W/745 BU E40 1SL | BD120 | Coated | E40 | h15 | Base-Up | 7500 hr | 11000 hr | 5000 hr | 20000 hr | 76 % |
| 928074409830 | MASTER HPI Plus 400W/767 BU E40 1SL | BD120 | Coated | E40 | h15 | Base-Up | 7500 hr | 11000 hr | 5000 hr | 20000 hr | 76 % |
| 928074409892 | HPI PLUS 400W/767 BU E40 1SL | BD120 | Coated | E40 | h15 | Base-Up | 7500 hr | 11000 hr | 5000 hr | 20000 hr | 76 % |
| 928074409893 | MASTER HPI Plus 400W/767 BU E40 1SL | BD120 | Coated | E40 | h15 | Base-Up | 7500 hr | 11000 hr | 5000 hr | 20000 hr | 76 % |
| 928076709830 | MASTER HPI Plus 250W/745 BU E40 1SL | BD90 | Coated | E40 | h15 | Base-Up | 7500 hr | 11000 hr | 5000 hr | 20000 hr | 76 % |
| 928076709878 | MASTER HPI Plus 250W/745 BU E40 1SL | BD90 | Coated | E40 | h15 | Base-Up | 7500 hr | 11000 hr | 5000 hr | 20000 hr | 76 % |
| 928076809830 | MASTER HPI Plus 250W/767 BU E40 1SL | BD90 | Coated | E40 | h15 | Base-Up | 7500 hr | 11000 hr | 5000 hr | 20000 hr | 76 % |
| 928076809892 | HPI PLUS 250W/767 BU E40 1SL | BD90 | Coated | E40 | h15 | Base-Up | 7500 hr | 11000 hr | 5000 hr | 20000 hr | 76 % |
| 928076809893 | HPI PLUS 250W/767 BU E40 1SL | BD90 | Coated | E40 | h15 | Base-Up | 7500 hr | 11000 hr | 5000 hr | 20000 hr | 76 % |
| 928410600027 | MASTER HPI Plus 400W/745 BU-P E40 1SL | ED-37 | Coated | E40 | h15 | Base-Up/Protected | 7500 hr | 11000 hr | 5000 hr | 20000 hr | 76 % |
| 928410800027 | MASTER HPI Plus 250W/745 BU-P E40 1SL | ED-28 | Coated | E40 | h15 | Base-Up/Protected | 7500 hr | 11000 hr | 5000 hr | 20000 hr | 76 % |
| 928481100092 | MASTER HPI Plus 400W/745 BU E40 1SL | BD120 | Coated | E40 | h | Base-Up | 7500 hr | 11000 hr | 5000 hr | 20000 hr | % |
| 928481100093 | HPI PLUS 400W/745 BU E40 1SL | BD120 | Coated | E40 | h | Base-Up | 7500 hr | 11000 hr | 5000 hr | 20000 hr | % |
| 928481100094 | HPI PLUS 400W/745 BU E40 1SL | BD120 | Coated | E40 | h | Base-Up | 7500 hr | 11000 hr | 5000 hr | 20000 hr | % |
| 928481200092 | HPI PLUS 400W/745 BUS E40 1SL | BD120 | Coated | E40 | h | Base-Up/internal Starter | 7500 hr | 11000 hr | 5000 hr | 20000 hr | % |
| 928481200093 | HPI PLUS 400W/745 BUS E40 1SL | BD120 | Coated | E40 | h | Base-Up/internal Starter | 7500 hr | 11000 hr | 5000 hr | 20000 hr | % |
| 928481400092 | MASTER HPI Plus 250W/745 BU E40 1SL | BD90 | Coated | E40 | h | Base-Up | hr | 10000 hr | 5000 hr | 20000 hr | % |

| Order code | Full product name | Bulb | Bulb Finish | Cap-Base | Operating Position | System Description | Life to 10% failures | Life to 20% failures | Life to 5% failures | Life to 50% failures | LSF EM 12000h Rated, 12h cycle |
|--------------|--|-------|-------------|----------|--------------------|------------------------------------|----------------------|----------------------|---------------------|----------------------|--------------------------------|
| 928481400093 | HPI PLUS 250W/745 BU E40 1SL | BD90 | Coated | E40 | h | Base-Up | hr | 10000 hr | 5000 hr | 20000 hr | % |
| 928481400094 | HPI PLUS 250W/745 BU E40 1SL | BD90 | Coated | E40 | h | Base-Up | hr | 10000 hr | 5000 hr | 20000 hr | % |
| 928074709830 | MASTER HPI Plus 400W/745 BUS E40 1SL | ED120 | Coated | E40 | h15 | Base-Up/internal Starter | 7500 hr | 11000 hr | 5000 hr | 20000 hr | 76 % |
| 928410700027 | MASTER HPI Plus 400W/745 BUS-P E40 1SL | ED-37 | Coated | E40 | h15 | Base-Up/internal Starter/Protected | 7500 hr | 11000 hr | 5000 hr | 20000 hr | 76 % |

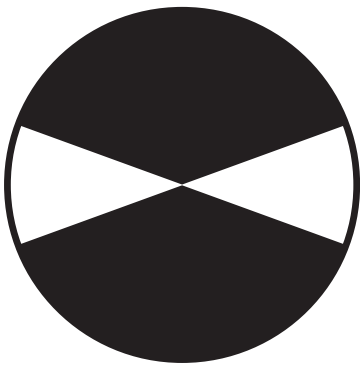
General Characteristics (2/2)

| Order code | Full product name | LSF EM 16000h Rated, 12h cycle | LSF EM 20000h Rated, 12h cycle | LSF EM 2000h Rated, 12h cycle | LSF EM 4000h Rated, 12h cycle | LSF EM 6000h Rated, 12h cycle | LSF EM 8000h Rated, 12h cycle |
|--------------|--|--------------------------------|--------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| 928073109830 | MASTER HPI Plus 400W/745 HOR E40 1SL | 63 % | 50 % | 99 % | 96 % | 93 % | 88 % |
| 928074309830 | MASTER HPI Plus 400W/745 BU E40 1SL | 63 % | 50 % | 99 % | 96 % | 93 % | 88 % |
| 928074309878 | MASTER HPI Plus 400W/745 BU E40 1SL | 63 % | 50 % | 99 % | 96 % | 93 % | 88 % |
| 928074409830 | MASTER HPI Plus 400W/767 BU E40 1SL | 63 % | 50 % | 99 % | 96 % | 93 % | 88 % |
| 928074409892 | HPI PLUS 400W/767 BU E40 1SL | 63 % | 50 % | 99 % | 96 % | 93 % | 88 % |
| 928074409893 | MASTER HPI Plus 400W/767 BU E40 1SL | 63 % | 50 % | 99 % | 96 % | 93 % | 88 % |
| 928076709830 | MASTER HPI Plus 250W/745 BU E40 1SL | 63 % | 50 % | 99 % | 96 % | 93 % | 88 % |
| 928076709878 | MASTER HPI Plus 250W/745 BU E40 1SL | 63 % | 50 % | 99 % | 96 % | 93 % | 88 % |
| 928076809830 | MASTER HPI Plus 250W/767 BU E40 1SL | 63 % | 50 % | 99 % | 96 % | 93 % | 88 % |
| 928076809892 | HPI PLUS 250W/767 BU E40 1SL | 63 % | 50 % | 99 % | 96 % | 93 % | 88 % |
| 928076809893 | HPI PLUS 250W/767 BU E40 1SL | 63 % | 50 % | 99 % | 96 % | 93 % | 88 % |
| 928410600027 | MASTER HPI Plus 400W/745 BU-P E40 1SL | 63 % | 50 % | 99 % | 96 % | 93 % | 88 % |
| 928410800027 | MASTER HPI Plus 250W/745 BU-P E40 1SL | 63 % | 50 % | 99 % | 96 % | 93 % | 88 % |
| 928481100092 | MASTER HPI Plus 400W/745 BU E40 1SL | % | % | % | % | % | % |
| 928481100093 | HPI PLUS 400W/745 BU E40 1SL | % | % | % | % | % | % |
| 928481100094 | HPI PLUS 400W/745 BU E40 1SL | % | % | % | % | % | % |
| 928481200092 | HPI PLUS 400W/745 BUS E40 1SL | % | % | % | % | % | % |
| 928481200093 | HPI PLUS 400W/745 BUS E40 1SL | % | % | % | % | % | % |
| 928481400092 | MASTER HPI Plus 250W/745 BU E40 1SL | % | % | % | % | % | % |
| 928481400093 | HPI PLUS 250W/745 BU E40 1SL | % | % | % | % | % | % |
| 928481400094 | HPI PLUS 250W/745 BU E40 1SL | % | % | % | % | % | % |
| 928074709830 | MASTER HPI Plus 400W/745 BUS E40 1SL | 63 % | 50 % | 99 % | 96 % | 93 % | 88 % |
| 928410700027 | MASTER HPI Plus 400W/745 BUS-P E40 1SL | 63 % | 50 % | 99 % | 96 % | 93 % | 88 % |

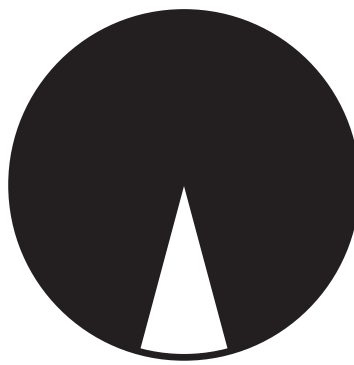
Installation diagrams



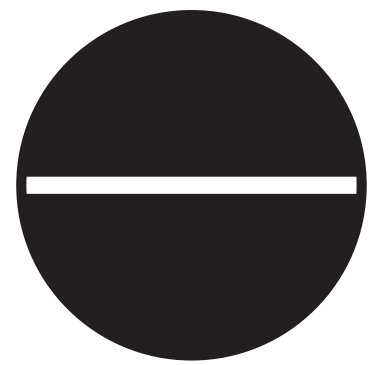
E40



p20



h15



h

Light Technical Characteristics (1/3)

| Order code | Full product name | Color Code | Color Designation (text) | Luminous Flux Lamp EM | Chromaticity Coordinate X | Chromaticity Coordinate Y | Color Rendering Index | Lumen Maintenance 10000h | Lumen Maintenance 2000h | Lumen Maintenance 5000h | Luminous Efficacy Lamp EM |
|--------------|--------------------------------------|------------|--------------------------|-----------------------|---------------------------|---------------------------|-----------------------|--------------------------|-------------------------|-------------------------|---------------------------|
| 928073109830 | MASTER HPI Plus 400W/745 HOR E40 1SL | 745 | Cool White | - | 361 - | 367 - | 69 Ra8 | - | - | - | - |
| 928074309830 | MASTER HPI Plus 400W/745 BU E40 1SL | 745 | Cool White | - | 367 - | 374 - | 69 Ra8 | - | - | - | - |
| 928074309878 | MASTER HPI Plus 400W/745 BU E40 1SL | 745 | Cool White | - | 367 - | 374 - | 69 Ra8 | - | - | - | - |
| 928074409830 | MASTER HPI Plus 400W/767 BU E40 1SL | 767 | Daylight | - | 308 - | 318 - | 69 Ra8 | - | - | - | - |
| 928074409892 | HPI PLUS 400W/767 BU E40 1SL | 767 | Daylight | - | 308 - | 318 - | 69 Ra8 | - | - | - | - |
| 928074409893 | MASTER HPI Plus 400W/767 BU E40 1SL | 767 | Daylight | - | 308 - | 318 - | 69 Ra8 | - | - | - | - |
| 928076709830 | MASTER HPI Plus 250W/745 BU E40 1SL | 745 | Cool White | - | 365 - | 363 - | 69 Ra8 | - | - | - | 72 Lm/W |

| Order code | Full product name | Color Code | Color Designation (text) | Luminous Flux Lamp EM | Chromaticity Coordinate X | Chromaticity Coordinate Y | Color Rendering Index | Lumen Maintenance 10000h | Lumen Maintenance 2000h | Lumen Maintenance 5000h | Luminous Efficacy Lamp EM |
|--------------|--|------------|--------------------------|-----------------------|---------------------------|---------------------------|-----------------------|--------------------------|-------------------------|-------------------------|---------------------------|
| 928076709878 | MASTER HPI Plus 250W/745 BU E40 1SL | 745 | Cool White | - | 365 - | 363 - | 69 Ra8 | - | - | - | 72 Lm/W |
| 928076809830 | MASTER HPI Plus 250W/767 BU E40 1SL | 767 | Daylight | - | 308 - | 318 - | 69 Ra8 | - | - | - | - |
| 928076809892 | HPI PLUS 250W/767 BU E40 1SL | 767 | Daylight | - | 308 - | 318 - | 69 Ra8 | - | - | - | - |
| 928076809893 | HPI PLUS 250W/767 BU E40 1SL | 767 | Daylight | - | 308 - | 318 - | 69 Ra8 | - | - | - | - |
| 928410600027 | MASTER HPI Plus 400W/745 BU-P E40 1SL | 745 | Cool White | - | 367 - | 374 - | 69 Ra8 | - | - | - | - |
| 928410800027 | MASTER HPI Plus 250W/745 BU-P E40 1SL | 745 | Cool White | - | 365 - | 363 - | 69 Ra8 | - | - | - | - |
| 928481100092 | MASTER HPI Plus 400W/745 BU E40 1SL | 745 | Cool White | 32500 Lm | 367 - | 374 - | 69 Ra8 | 70 % | 90 % | 80 % | 82 Lm/W |
| 928481100093 | HPI PLUS 400W/745 BU E40 1SL | 745 | Cool White | 32500 Lm | 367 - | 374 - | 69 Ra8 | 70 % | 90 % | 80 % | 82 Lm/W |
| 928481100094 | HPI PLUS 400W/745 BU E40 1SL | 745 | Cool White | 32500 Lm | 367 - | 374 - | 69 Ra8 | 70 % | 90 % | 80 % | 82 Lm/W |
| 928481200092 | HPI PLUS 400W/745 BUS E40 1SL | 745 | Cool White | 32500 Lm | 367 - | 374 - | 69 Ra8 | 70 % | 90 % | 80 % | 82 Lm/W |
| 928481200093 | HPI PLUS 400W/745 BUS E40 1SL | 745 | Cool White | 32500 Lm | 367 - | 374 - | 69 Ra8 | 70 % | 90 % | 80 % | 82 Lm/W |
| 928481400092 | MASTER HPI Plus 250W/745 BU E40 1SL | 745 | Cool White | 18000 Lm | 359 - | 354 - | 69 Ra8 | 75 % | 90 % | 80 % | 72 Lm/W |
| 928481400093 | HPI PLUS 250W/745 BU E40 1SL | 745 | Cool White | 18000 Lm | 359 - | 354 - | 69 Ra8 | 75 % | 90 % | 80 % | 72 Lm/W |
| 928481400094 | HPI PLUS 250W/745 BU E40 1SL | 745 | Cool White | 18000 Lm | 359 - | 354 - | 69 Ra8 | 75 % | 90 % | 80 % | 72 Lm/W |
| 928074709830 | MASTER HPI Plus 400W/745 BUS E40 1SL | 745 | Cool White | - | 367 - | 374 - | 69 Ra8 | - | - | - | - |
| 928410700027 | MASTER HPI Plus 400W/745 BUS-P E40 1SL | 745 | Cool White | - | 367 - | 374 - | 69 Ra8 | - | - | - | - |

Light Technical Characteristics (2/3)

| Order code | Full product name | Color Temperature | Lumen Maintenance 20000h | Lum Efficacy Rated EM 25°C | LLMF EM 20000h Rated | LLMF EM 16000h Rated | LLMF EM 12000h Rated | LLMF EM 8000h Rated | LLMF EM 6000h Rated | LLMF EM 4000h Rated | LLMF EM 2000h Rated |
|--------------|--------------------------------------|-------------------|--------------------------|----------------------------|----------------------|----------------------|----------------------|---------------------|---------------------|---------------------|---------------------|
| 928073109830 | MASTER HPI Plus 400W/745 HOR E40 1SL | 4500 K | - | 78 Lm/W | 60 % | 63 % | 68 % | 73 % | 77 % | 82 % | 90 % |
| 928074309830 | MASTER HPI Plus 400W/745 BU E40 1SL | 4500 K | - | 82 Lm/W | 60 % | 63 % | 68 % | 73 % | 77 % | 82 % | 90 % |
| 928074309878 | MASTER HPI Plus 400W/745 BU E40 1SL | 4500 K | - | 82 Lm/W | 60 % | 63 % | 68 % | 73 % | 77 % | 82 % | 90 % |
| 928074409830 | MASTER HPI Plus 400W/767 BU E40 1SL | 6700 K | - | 82 Lm/W | 60 % | 63 % | 68 % | 73 % | 77 % | 82 % | 90 % |
| 928074409892 | HPI PLUS 400W/767 BU E40 1SL | 6700 K | - | 82 Lm/W | 60 % | 63 % | 68 % | 73 % | 77 % | 82 % | 90 % |
| 928074409893 | MASTER HPI Plus 400W/767 BU E40 1SL | 6700 K | - | 82 Lm/W | 60 % | 63 % | 68 % | 73 % | 77 % | 82 % | 90 % |
| 928076709830 | MASTER HPI Plus 250W/745 BU E40 1SL | 4500 K | - | 72 Lm/W | 60 % | 63 % | 68 % | 73 % | 77 % | 82 % | 90 % |

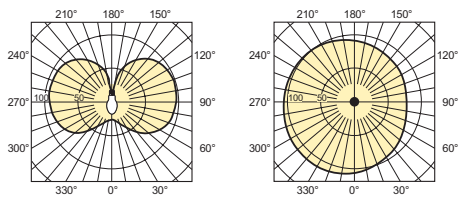
| Order code | Full product name | Color Temperature | Lumen Maintenance 20000h | Lum Efficiency Rated EM 25°C | LLMF EM 20000h Rated | LLMF EM 16000h Rated | LLMF EM 12000h Rated | LLMF EM 8000h Rated | LLMF EM 6000h Rated | LLMF EM 4000h Rated | LLMF EM 2000h Rated |
|--------------|--|-------------------|--------------------------|------------------------------|----------------------|----------------------|----------------------|---------------------|---------------------|---------------------|---------------------|
| 928076709878 | MASTER HPI Plus 250W/745 BU E40 1SL | 4500 K | - | 72 Lm/W | 60 % | 63 % | 68 % | 73 % | 77 % | 82 % | 90 % |
| 928076809830 | MASTER HPI Plus 250W/767 BU E40 1SL | 6700 K | - | 72 Lm/W | 60 % | 63 % | 68 % | 73 % | 77 % | 82 % | 90 % |
| 928076809892 | HPI PLUS 250W/767 BU E40 1SL | 6700 K | - | 72 Lm/W | 60 % | 63 % | 68 % | 73 % | 77 % | 82 % | 90 % |
| 928076809893 | HPI PLUS 250W/767 BU E40 1SL | 6700 K | - | 72 Lm/W | 60 % | 63 % | 68 % | 73 % | 77 % | 82 % | 90 % |
| 928410600027 | MASTER HPI Plus 400W/745 BU-P E40 1SL | 4500 K | - | 82 Lm/W | 60 % | 63 % | 68 % | 73 % | 77 % | 82 % | 90 % |
| 928410800027 | MASTER HPI Plus 250W/745 BU-P E40 1SL | 4500 K | - | 72 Lm/W | 60 % | 63 % | 68 % | 73 % | 77 % | 82 % | 90 % |
| 928481100092 | MASTER HPI Plus 400W/745 BU E40 1SL | 4500 K | 60 % | Lm/W | % | % | % | % | % | % | % |
| 928481100093 | HPI PLUS 400W/745 BU E40 1SL | 4500 K | 60 % | Lm/W | % | % | % | % | % | % | % |
| 928481100094 | HPI PLUS 400W/745 BU E40 1SL | 4500 K | 60 % | Lm/W | % | % | % | % | % | % | % |
| 928481200092 | HPI PLUS 400W/745 BUS E40 1SL | 4500 K | 60 % | Lm/W | % | % | % | % | % | % | % |
| 928481200093 | HPI PLUS 400W/745 BUS E40 1SL | 4500 K | 60 % | Lm/W | % | % | % | % | % | % | % |
| 928481400092 | MASTER HPI Plus 250W/745 BU E40 1SL | 4500 K | % | Lm/W | % | % | % | % | % | % | % |
| 928481400093 | HPI PLUS 250W/745 BU E40 1SL | 4500 K | % | Lm/W | % | % | % | % | % | % | % |
| 928481400094 | HPI PLUS 250W/745 BU E40 1SL | 4500 K | % | Lm/W | % | % | % | % | % | % | % |
| 928074709830 | MASTER HPI Plus 400W/745 BUS E40 1SL | 4500 K | - | 82 Lm/W | 60 % | 63 % | 68 % | 73 % | 77 % | 82 % | 90 % |
| 928410700027 | MASTER HPI Plus 400W/745 BUS-P E40 1SL | 4500 K | - | 82 Lm/W | 60 % | 63 % | 68 % | 73 % | 77 % | 82 % | 90 % |

Light Technical Characteristics (3/3)

| Order code | Full product name | Luminous Flux EM 25°C, Rated |
|--------------|---------------------------------------|------------------------------|
| 928073109830 | MASTER HPI Plus 400W/745 HOR E40 1SL | 30000 Lm |
| 928074309830 | MASTER HPI Plus 400W/745 BU E40 1SL | 32500 Lm |
| 928074309878 | MASTER HPI Plus 400W/745 BU E40 1SL | 32500 Lm |
| 928074409830 | MASTER HPI Plus 400W/767 BU E40 1SL | 32500 Lm |
| 928074409892 | HPI PLUS 400W/767 BU E40 1SL | 32500 Lm |
| 928074409893 | MASTER HPI Plus 400W/767 BU E40 1SL | 32500 Lm |
| 928076709830 | MASTER HPI Plus 250W/745 BU E40 1SL | 18000 Lm |
| 928076709878 | MASTER HPI Plus 250W/745 BU E40 1SL | 18000 Lm |
| 928076809830 | MASTER HPI Plus 250W/767 BU E40 1SL | 18000 Lm |
| 928076809892 | HPI PLUS 250W/767 BU E40 1SL | 18000 Lm |
| 928076809893 | HPI PLUS 250W/767 BU E40 1SL | 18000 Lm |
| 928410600027 | MASTER HPI Plus 400W/745 BU-P E40 1SL | 32500 Lm |

| Order code | Full product name | Luminous Flux EM 25°C, Rated |
|--------------|--|------------------------------|
| 928410800027 | MASTER HPI Plus 250W/745 BU-P E40 1SL | 18000 Lm |
| 928481100092 | MASTER HPI Plus 400W/745 BU E40 1SL | Lm |
| 928481100093 | HPI PLUS 400W/745 BU E40 1SL | Lm |
| 928481100094 | HPI PLUS 400W/745 BU E40 1SL | Lm |
| 928481200092 | HPI PLUS 400W/745 BUS E40 1SL | Lm |
| 928481200093 | HPI PLUS 400W/745 BUS E40 1SL | Lm |
| 928481400092 | MASTER HPI Plus 250W/745 BU E40 1SL | Lm |
| 928481400093 | HPI PLUS 250W/745 BU E40 1SL | Lm |
| 928481400094 | HPI PLUS 250W/745 BU E40 1SL | Lm |
| 928074709830 | MASTER HPI Plus 400W/745 BUS E40 1SL | 32500 Lm |
| 928410700027 | MASTER HPI Plus 400W/745 BUS-P E40 1SL | 32500 Lm |

Light technical



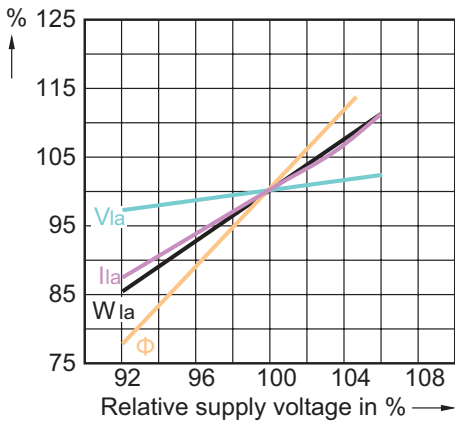
HPI

Electrical Characteristics

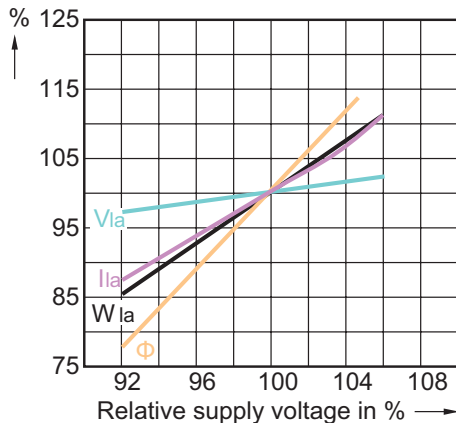
| Order code | Full product name | Lamp Wattage | Lamp Wattage EM | Lamp Voltage | Lamp Current EM | Dimmable | Lamp Wattage EM 25°C, Rated | Lamp Wattage EM 25°C, Nominal | Ratio scotopic/ photopic lumens |
|--------------|---------------------------------------|--------------|-----------------|--------------|-----------------|----------|-----------------------------|-------------------------------|---------------------------------|
| 928073109830 | MASTER HPI Plus 400W/745 HOR E40 1SL | 400 W | - | 125 V | 3.4 A | No | 382 W | 400 W | 1.50 - |
| 928074309830 | MASTER HPI Plus 400W/745 BU E40 1SL | 400 W | - | 125 V | 3.4 A | No | 395 W | 400 W | 1.50 - |
| 928074309878 | MASTER HPI Plus 400W/745 BU E40 1SL | 400 W | - | 125 V | 3.4 A | No | 395 W | 400 W | 1.50 - |
| 928074409830 | MASTER HPI Plus 400W/767 BU E40 1SL | 400 W | W | 125 V | 3.4 A | No | 395 W | 400 W | 2.00 - |
| 928074409892 | HPI PLUS 400W/767 BU E40 1SL | 400 W | W | 125 V | 3.4 A | No | 395 W | 400 W | 2.00 - |
| 928074409893 | MASTER HPI Plus 400W/767 BU E40 1SL | 400 W | W | 125 V | 3.4 A | No | 395 W | 400 W | 2.00 - |
| 928076709830 | MASTER HPI Plus 250W/745 BU E40 1SL | 250 W | - | 128 V | 2.2 A | No | 253 W | 250 W | 1.50 - |
| 928076709878 | MASTER HPI Plus 250W/745 BU E40 1SL | 250 W | - | 128 V | 2.2 A | No | 253 W | 250 W | 1.50 - |
| 928076809830 | MASTER HPI Plus 250W/767 BU E40 1SL | 250 W | W | 128 V | 2.2 A | No | 253 W | 250 W | 2.00 - |
| 928076809892 | HPI PLUS 250W/767 BU E40 1SL | 250 W | W | 128 V | 2.2 A | No | 253 W | 250 W | 2.00 - |
| 928076809893 | HPI PLUS 250W/767 BU E40 1SL | 250 W | W | 128 V | 2.2 A | No | 253 W | 250 W | 2.00 - |
| 928410600027 | MASTER HPI Plus 400W/745 BU-P E40 1SL | 400 W | - | 125 V | 3.4 A | No | 395 W | 400 W | 1.50 - |
| 928410800027 | MASTER HPI Plus 250W/745 BU-P E40 1SL | 250 W | - | 128 V | 2.2 A | No | 253 W | 250 W | 1.50 - |
| 928481100092 | MASTER HPI Plus 400W/745 BU E40 1SL | 400 W | 395 W | 125 V | 3.4 A | No | W | W | - |
| 928481100093 | HPI PLUS 400W/745 BU E40 1SL | 400 W | 395 W | 125 V | 3.4 A | No | W | W | - |
| 928481100094 | HPI PLUS 400W/745 BU E40 1SL | 400 W | 395 W | 125 V | 3.4 A | No | W | W | - |
| 928481200092 | HPI PLUS 400W/745 BUS E40 1SL | 400 W | 395 W | 125 V | 3.4 A | No | W | W | - |
| 928481200093 | HPI PLUS 400W/745 BUS E40 1SL | 400 W | 395 W | 125 V | 3.4 A | No | W | W | - |
| 928481400092 | MASTER HPI Plus 250W/745 BU E40 1SL | 250 W | 253 W | 128 V | 2.2 A | No | W | W | - |
| 928481400093 | HPI PLUS 250W/745 BU E40 1SL | 250 W | 253 W | 128 V | 2.2 A | No | W | W | - |
| 928481400094 | HPI PLUS 250W/745 BU E40 1SL | 250 W | 253 W | 128 V | 2.2 A | No | W | W | - |
| 928074709830 | MASTER HPI Plus 400W/745 BUS E40 1SL | 400 W | - | 125 V | 3.4 A | No | 395 W | 400 W | 1.50 - |

| Order code | Full product name | Lamp Wattage | Lamp Wattage EM | Lamp Voltage | Lamp Current EM | Dimmable | Lamp Wattage EM 25°C, Rated | Lamp Wattage EM 25°C, Nominal | Ratio scotopic/ photopic lumens |
|--------------|--|--------------|-----------------|--------------|-----------------|----------|-----------------------------|-------------------------------|---------------------------------|
| 928410700027 | MASTER HPI Plus 400W/745 BUS-P E40 1SL | 400 W | - | 125 V | 3.4 A | No | 395 W | 400 W | 1.50 - |

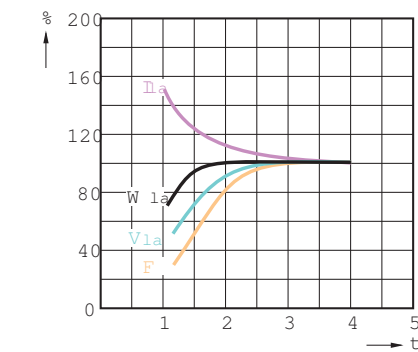
Performance diagrams



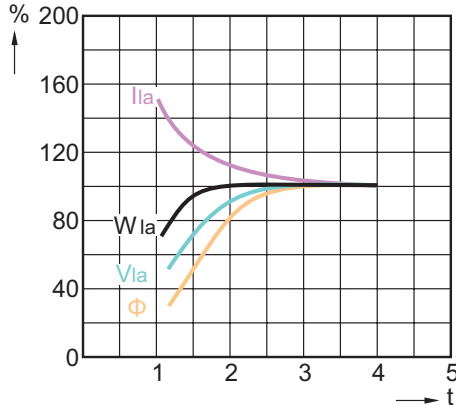
HPI



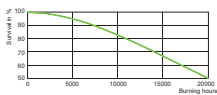
HPI Plus



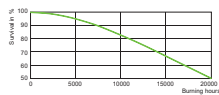
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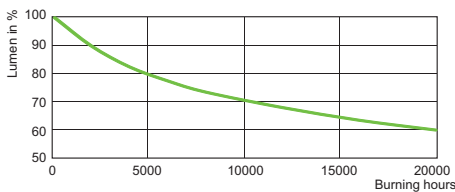
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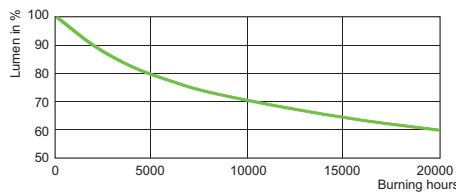
HPI 250W, 400W



HPI Plus 250W, 400W

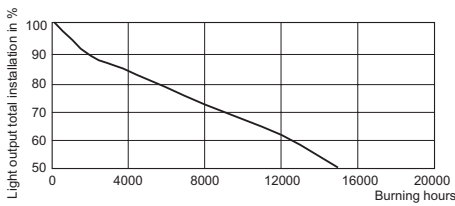


HPI 250W, 400W



HPI Plus 250W, 400W

Performance diagrams



HPI 250W, 400W /767

Environmental Characteristics

| Order code | Full product name | Mercury (Hg) Content |
|--------------|--|----------------------|
| 928073109830 | MASTER HPI Plus 400W/745 HOR E40 1SL | 27 mg |
| 928074309830 | MASTER HPI Plus 400W/745 BU E40 1SL | 67 mg |
| 928074309878 | MASTER HPI Plus 400W/745 BU E40 1SL | 67 mg |
| 928074409830 | MASTER HPI Plus 400W/767 BU E40 1SL | 67 mg |
| 928074409892 | HPI PLUS 400W/767 BU E40 1SL | 67 mg |
| 928074409893 | MASTER HPI Plus 400W/767 BU E40 1SL | 67 mg |
| 928076709830 | MASTER HPI Plus 250W/745 BU E40 1SL | 47 mg |
| 928076709878 | MASTER HPI Plus 250W/745 BU E40 1SL | 47 mg |
| 928076809830 | MASTER HPI Plus 250W/767 BU E40 1SL | 47 mg |
| 928076809892 | HPI PLUS 250W/767 BU E40 1SL | 47 mg |
| 928076809893 | HPI PLUS 250W/767 BU E40 1SL | 47 mg |
| 928410600027 | MASTER HPI Plus 400W/745 BU-P E40 1SL | 67 mg |
| 928410800027 | MASTER HPI Plus 250W/745 BU-P E40 1SL | 47 mg |
| 928481100092 | MASTER HPI Plus 400W/745 BU E40 1SL | 67 mg |
| 928481100093 | HPI PLUS 400W/745 BU E40 1SL | 67 mg |
| 928481100094 | HPI PLUS 400W/745 BU E40 1SL | 67 mg |
| 928481200092 | HPI PLUS 400W/745 BUS E40 1SL | 67 mg |
| 928481200093 | HPI PLUS 400W/745 BUS E40 1SL | 67 mg |
| 928481400092 | MASTER HPI Plus 250W/745 BU E40 1SL | 47 mg |
| 928481400093 | HPI PLUS 250W/745 BU E40 1SL | 47 mg |
| 928481400094 | HPI PLUS 250W/745 BU E40 1SL | 47 mg |
| 928074709830 | MASTER HPI Plus 400W/745 BUS E40 1SL | 67 mg |
| 928410700027 | MASTER HPI Plus 400W/745 BUS-P E40 1SL | 67 mg |

Luminaire Design Requirements

| Order code | Full product name | Cap-Base Temperature | Bulb Temperature |
|--------------|--------------------------------------|----------------------|------------------|
| 928073109830 | MASTER HPI Plus 400W/745 HOR E40 1SL | 250 (max) C | 350 (max) C |
| 928074309830 | MASTER HPI Plus 400W/745 BU E40 1SL | 250 (max) C | 350 (max) C |
| 928074309878 | MASTER HPI Plus 400W/745 BU E40 1SL | 250 (max) C | 350 (max) C |
| 928074409830 | MASTER HPI Plus 400W/767 BU E40 1SL | 250 (max) C | 350 (max) C |

| Order code | Full product name | Cap-Base Temperature | Bulb Temperature |
|--------------|--|----------------------|------------------|
| 928074409892 | HPI PLUS 400W/767 BU E40 1SL | 250 (max) C | 350 (max) C |
| 928074409893 | MASTER HPI Plus 400W/767 BU E40 1SL | 250 (max) C | 350 (max) C |
| 928076709830 | MASTER HPI Plus 250W/745 BU E40 1SL | 250 (max) C | 350 (max) C |
| 928076709878 | MASTER HPI Plus 250W/745 BU E40 1SL | 250 (max) C | 350 (max) C |
| 928076809830 | MASTER HPI Plus 250W/767 BU E40 1SL | 250 (max) C | 350 (max) C |
| 928076809892 | HPI PLUS 250W/767 BU E40 1SL | 250 (max) C | 350 (max) C |
| 928076809893 | HPI PLUS 250W/767 BU E40 1SL | 250 (max) C | 350 (max) C |
| 928410600027 | MASTER HPI Plus 400W/745 BU-P E40 1SL | 250 (max) C | 260 (max) C |
| 928410800027 | MASTER HPI Plus 250W/745 BU-P E40 1SL | 250 (max) C | 260 (max) C |
| 928481100092 | MASTER HPI Plus 400W/745 BU E40 1SL | 250 (max) C | 350 (max) C |
| 928481100093 | HPI PLUS 400W/745 BU E40 1SL | 250 (max) C | 350 (max) C |
| 928481100094 | HPI PLUS 400W/745 BU E40 1SL | 250 (max) C | 350 (max) C |
| 928481200092 | HPI PLUS 400W/745 BUS E40 1SL | 250 (max) C | 350 (max) C |
| 928481200093 | HPI PLUS 400W/745 BUS E40 1SL | 250 (max) C | 350 (max) C |
| 928481400092 | MASTER HPI Plus 250W/745 BU E40 1SL | 250 (max) C | 350 (max) C |
| 928481400093 | HPI PLUS 250W/745 BU E40 1SL | 250 (max) C | 350 (max) C |
| 928481400094 | HPI PLUS 250W/745 BU E40 1SL | 250 (max) C | 350 (max) C |
| 928074709830 | MASTER HPI Plus 400W/745 BUS E40 1SL | 250 (max) C | 350 (max) C |
| 928410700027 | MASTER HPI Plus 400W/745 BUS-P E40 1SL | 250 (max) C | 260 (max) C |
| 928481200092 | MASTER HPI Plus 250W/745 BU E40 1SL | 250 (max) C | 350 (max) C |
| 928481400092 | HPI PLUS 250W/745 BU E40 1SL | 250 (max) C | 350 (max) C |
| 928481400093 | HPI PLUS 250W/745 BU E40 1SL | 250 (max) C | 350 (max) C |
| 928481400094 | HPI PLUS 250W/745 BU E40 1SL | 250 (max) C | 350 (max) C |
| 928074709830 | MASTER HPI Plus 400W/745 BUS E40 1SL | 250 (max) C | 350 (max) C |
| 928410700027 | MASTER HPI Plus 400W/745 BUS-P E40 1SL | 250 (max) C | 260 (max) C |



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2012, June 28
data subject to change