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| 型号  料号 | USLR-A20F-XAN2-P  A5XA-N2NN-NNAR-NS00-0000-P | USLR-A20F-XDN2-P  A5XD-N2NN-NNAR-NS00-0000-P | USLR-A20F-XMN2-P  A5XM-N2NN-NNAR-NS00-0000-P |  |
| 光学性能参数  均匀性 (每盏灯或组合)  开口面均匀性(f/4) – 所有灯打开  角度均匀性(全角度) - Degrees / F# / NA -所有灯打开 | +/-1.0%  +/-2.0% - 35° / 0.85 / 0.6 | +/-1.0%  +/-2.0% - 35° / 0.85 / 0.6 | +/-1.0%  +/-2.0% - 35° / 0.85 / 0.6 |  |
| 只开卤素灯（QTH）  亮度输出值: cd/m2  开口照度值: lux  辐亮度峰值: W/m2-sr-um @ 0.95 um  辐照度峰值@ 开口: Photons/s-m2-um @ 0.95um  最低照度调整: lux  近似相关色温(QTH)  典型的灯寿命(hrs)  预估灯寿命衰减值(% & CCT Shift) Est.  超出50hrs输出衰减值 (% & CCT Shift) | 3,800  12,000  100  4.70E+20  1.20E-03  3000K +/-50K  >500hrs  -10% & +/-200K  -1.0% & +/-20K | 3,800  12,000  100  4.70E+20  1.09E+00  3000K +/-50K  >500hrs  -10% & +/-200K  -1.0% & +/-20K | 3,800  12,000  100  4.70E+20  2.40E-01  3000K +/-50K  >500hrs  -10% & +/-200K  -1.0% & +/-20K |  |
| 只开等离子或氙灯光源  亮度输出值: cd/m2  开口照度值: lux  辐亮度峰值: W/m2-sr-um @ 0.60um Pl @ 0.47 Xe  辐照度峰值@开口: Photons/s-m2-um @ 0.60um Pl or 0.47 Xe  最低照度调整: lux  近似相关色温  等离子休息模式/氙灯闪光灯(Peak-Peak/RMS/Hz) – 典型值  等离子灯测试模式(Peak-Peak/RMS/Hz) - 30 minutes (休息 5min)  安装冷镜(330-750nm)  典型的灯寿命(hrs) 等离子灯/氙灯  预估灯寿命衰减值(% & CCT Shift)  超出50hrs输出衰减值(% & CCT Shift) | 16,500  51,000  210  6.30E+20  5.10E-03  6000K +400K/-200K  4%/1%/5kHz  N/A Yes  400  -50% & -600K  -2.5% / -30K | 16,500  51,000  210  6.30E+20  4.64E+00  6000K +400K/-200K  4%/1%/5kHz  N/A Yes  400  -50% & -600K  -2.5% / -30K | 16,500  51,000  210  6.30E+20  1.02E-00  6000K +400K/-200K  4%/1%/5kHz  N/A Yes  400  -50% & -600K  -2.5% / -30K |  |
| 等离子灯/氙灯 & 卤素灯（QTH）(VA全开)  亮度输出: cd/m2  开口照度值: lux  辐亮度峰值: W/m2-sr-um @ 0.60um Pl @ 0.47 Xe  辐照度峰值@ Port: Photons/s-m2-um @ 0.60um Pl @ 0.47 Xe  近似相关色温(Xenon & QTH) | 20,000  63,000  280  9.00E+20  5100K +400K/-200K | 20,000  63,000  280  9.00E+20  5100K +400K/-200K | 20,000  63,000  280  9.00E+20  5100K +400K/-200K |  |
| 衰减器  衰减器调节步数  动态范围/Bits/dB – 整个系统范围(两个灯) | 2.00E+06  4.41E+07/25/152 | 1.20E+04  4.85E+04/15/93 | 1.00E+04  2.20E+05/17/106 |  |
| 积分球  漫反射涂层 / 材料  积分球内部尺寸: Inches (Meters)  框架类型  输出开口尺寸: Inches (Meters) | Spectraflect®  20 (0.5)  20 in Cage  8 (0.2) | Spectraflect  20 (0.5)  20 in Cage  8 (0.2) | Spectraflect  20 (0.5)  20 in Cage  8 (0.2) |  |
| 系统组件  内部卤素灯(# , Wattage)  外部卤素灯(#, Wattage)  氙灯& 灯罩  等离子灯& 灯罩  电源(# -型号)  专用电源  可变衰减器  监控探测器(s)  探测器滤光片(在滤光片架中)  系统软件  光谱仪(类型, 光谱范围) | (0)  (1) 150  300W None  (1) LPS-350  Integrated Xenon  (2) VAA-220A SD-S1  Photopic HELIOSense CDS-610 | (0)  (1) 150  300W None  (1) LPS-350  Integrated Xenon  (2) VAD-012  SD-S1  Photopic HELIOSense CDS-610 | (0)  (1) 150  300W None  (1) LPS-350  Integrated Xenon  (2) VA-MM SD-S1  Photopic HELIOSense CDS-610 |  |
| 标准系统校准(可溯源至NIST)  亮度  相关色温(所有灯匹配& w/VA 位置)  仅卤素灯 光谱辐亮度(350-2400nm)  仅氙灯光谱辐亮度(350-2400nm)  卤素灯 & 氙灯光谱辐亮度(350-2400nm) & CDS  出口面均匀性  出口角均匀性  校准(氙灯/卤素灯)时间 | Yes Yes Yes Yes Yes Yes Yes  25 hrs / 50 hrs | Yes Yes Yes Yes Yes Yes Yes  25 hrs / 50 hrs | Yes Yes Yes Yes Yes Yes Yes  25 hrs / 50 hrs |  |

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| 型号  料号 | USLR-A20F-PAN2-P  A5PA-N2NN-NNAR-NS00-0000-P | USLR-A20F-PDN2-P  A5PD-N2NN-NNAR-NS00-0000-P | USLR-A20F-PMN2-P  A5PM-N2NN-NNAR-NS00-0000-P |  |
| 光学性能参数  均匀性 (每盏灯或组合)  开口面均匀性(f/4) -所有灯打开  角度均匀性(全角度) - Degrees / F# / NA -所有灯打开 | +/-1.0%  +/-2.0% - 35° / 0.85 / 0.6 | +/-1.0%  +/-2.0% - 35° / 0.85 / 0.6 | +/-1.0%  +/-2.0% - 35° / 0.85 / 0.6 |  |
| 只开卤素灯（QTH）  亮度输出值: cd/m2  开口照度值: lux  辐亮度峰值: W/m2-sr-um @ 0.95 um  辐照度峰值@ Port: Photons/s-m2-um @ 0.95um  最低照度调整: lux  近似相关色温(QTH)  典型的灯寿命(hrs)  预估灯寿命衰减值(% & CCT Shift)  超出50hrs输出衰减值(% & CCT Shift) | 3,800  12,000  100  4.70E+20  1.08E-03  3000K +/-50K  >500hrs  -10% & +/-200K  -1.0% & +/-20K | 3,800  12,000  100  4.70E+20  1.09E+00  3000K +/-50K  >500hrs  -10% & +/-200K  -1.0% & +/-20K | 3,800  12,000  100  4.70E+20  2.40E-01  3000K +/-50K  >500hrs  -10% & +/-200K  -1.0% & +/-20K |  |
| 只开等离子或氙灯光源  亮度输出值: cd/m2  开口照度值: lux  辐亮度峰值: W/m2-sr-um @ 0.60um Pl @ 0.47 Xe  辐照度峰值@ Port: Photons/s-m2-um @ 0.60um Pl or 0.47 Xe  最低照度调整: lux  近似相关色温  等离子休息模式/氙灯闪光灯(Peak-Peak/RMS/Hz) - Typical  等离子灯测试模式(Peak-Peak/RMS/Hz) - 30 minutes (Rest 5min) 安装冷镜(330-750nm)  典型的灯寿命(hrs) 等离子灯/氙灯  预估灯寿命衰减值(% & CCT Shift)  超出50hrs输出衰减值(% & CCT Shift) | 15,300  48,000  230  6.50E+20  4.80E-03  5100K +/-200K  6%/1.5%/0.1Hz  0.6%/0.06%/DC None  >5000/450  -10% & -200K  -0.2% & +-5K | 15,300  48,000  230  6.50E+20  4.36E+00  5100K +/-200K  6%/1.5%/0.1Hz  0.6%/0.06%/DC None  >5000/450  -10% & -200K  -0.2% & +-5K | 15,300  48,000  230  6.50E+20  9.60E-01  5100K +/-200K  6%/1.5%/0.1Hz  0.6%/0.06%/DC None  >5000/450  -10% & -200K  -0.2% & +-5K |  |
| 等离子灯/氙灯 & 卤素灯（QTH）(VA全开)  亮度输出值: cd/m2  开口照度值: lux  辐亮度峰值: W/m2-sr-um @ 0.60um Pl @ 0.47 Xe  辐照度峰值@ Port: Photons/s-m2-um @ 0.60um Pl @ 0.47 Xe  近似相关色温(Xenon & QTH) | 19,000  60,000  280  8.50E+20  4500K +/-300K | 19,000  60,000  280  8.50E+20  4500K +/-300K | 19,000  60,000  280  8.50E+20  4500K +/-300K |  |
| 衰减器  衰减器调节步数  动态范围/Bits/dB – 整个系统范围(两个灯) | 2.00E+06  4.64E+07/25/152 | 1.20E+04  5.10E+04/15/94 | 1.00E+04  2.32E+05/17/106 |  |
| 积分球  漫反射涂层 / 材料  积分球内部尺寸: Inches (Meters)  框架类型  输出开口尺寸: Inches (Meters) | Spectraflect  20 (0.5)  20 in Cage  8 (0.2) | Spectraflect  20 (0.5)  20 in Cage  8 (0.2) | Spectraflect  20 (0.5)  12 in Cage  8 (0.2) |  |
| 系统组件  内部卤素灯(# , Wattage)  外部卤素灯(#, Wattage)  氙灯& 灯罩  等离子灯& 灯罩  电源(# -型号)  专用电源  可变衰减器  监控探测器(s)  探测器滤光片(在滤光片架中)  系统软件  光谱仪(类型, 光谱范围) | (0)  (1) 150  None  250W  (1) LPS-350 (1) LPS-525  No  (2) VAA-220A SD-S1  Photopic HELIOSense CDS-610 | (0)  (1) 150  None  250W  (1) LPS-350 (1) LPS-525  No  (2) VAD-012  SD-S1  Photopic HELIOSense CDS-610 | (0)  (1) 150  None  250W  (1) LPS-350 (1) LPS-525  No  (2) VA-MM SD-S1  Photopic HELIOSense CDS-610 |  |
| 标准系统校准(可溯源至NIST)  亮度  相关色温(所有灯匹配& w/VA 位置)  仅卤素灯光谱辐亮度(350-2400nm)  仅氙灯光谱辐亮度(350-2400nm)  卤素灯 & 氙灯光谱辐亮度(350-2400nm) & CDS  出口面均匀性  出口角均匀性  校准(氙灯/卤素灯)时间 | Yes Yes Yes Yes Yes Yes Yes  100 hrs / 50 hrs | Yes Yes Yes Yes Yes Yes Yes  100 hrs / 50 hrs | Yes Yes Yes Yes Yes Yes Yes  100 hrs / 50 hrs |  |

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| 型号  料号 | USLR-A12F-XAN2-P  A3XA-N2NN-NNAR-NS00-0000-P | USLR-A12L-XAN2-P  A4XA-N2NN-NNAR-NS00-0000-P | USLR-A12L-UAN1-P  A4UA-N1NN-NNAR-NS00-0000-P |  |
| 光学性能参数  均匀性 (每盏灯或组合)  开口面均匀性(f/4) -所有灯打开  角度均匀性(全角度) - Degrees / F# / NA -所有灯打开 | +/-1.0%  +/-2.0% - 35° / 0.85 / 0.6 | +/-1.0%  +/-2.0% - 35° / 0.85 / 0.6 | +/-1.0%  +/-2.0% - 35° / 0.85 / 0.6 |  |
| 只开卤素灯（QTH）  亮度输出值: cd/m2  开口照度值: lux  辐亮度峰值: W/m2-sr-um @ 0.95 um  辐照度峰值@ Port: Photons/s-m2-um @ 0.95um  最低照度调整: lux  近似相关色温(QTH)  典型的灯寿命(hrs)  预估灯寿命衰减值(% & CCT Shift)  超出50hrs输出衰减值(% & CCT Shift) | 11,500  36,000  350  1.50E+21  3.60E-03  3000K +/-50K  >500hrs  -10% & +/-200K  -1.0% & +/-20K | 15,500  49,000  460  2.20E+21  3.60E-03  3000K +/-50K  >500hrs  -10% & +/-200K  -1.0% & +/-20K | 15,500  49,000  460  2.20E+21  3.60E-03  3000K +/-50K  >500hrs  -10% & +/-200K  -1.0% & +/-20K |  |
| 只开等离子或氙灯光源  亮度输出值: cd/m2  开口照度值: lux  辐亮度峰值: W/m2-sr-um @ 0.60um Pl @ 0.47 Xe  辐照度峰值@ Port: Photons/s-m2-um @ 0.60um Pl or 0.47 Xe  最低照度调整: lux  近似相关色温  等离子灯休息模式/氙灯闪光灯(Peak-Peak/RMS/Hz) - Typical  等离子灯测试模式(Peak-Peak/RMS/Hz) - 30 minutes (Rest 5min)  安装冷镜(330-750nm)  典型的灯寿命(hrs) 等离子灯/氙灯  预估灯寿命衰减值(% & CCT Shift)  超出50hrs输出衰减值(% & CCT Shift) | 30,500  96,000  420  1.20E+20  9.60E-03  6000K +400K/-200K  4%/1%/5kHz  N/A Yes  400  -50% & -600K  -2.5% / -30K | 42,000  132,000  550  1.60E+21  1.32E-02  6000K +400K/-200K  4%/1%/5kHz  N/A Yes  400  -50% & -600K  -2.5% / -30K | 13,500  42,000  170  5.10E+20  4.20E-03  6600K +/-300K  4%/1%/5kHz  N/A None  400  -50% & -600K  -2.5% / -30K |  |
| 等离子灯/氙灯 & 卤素灯（QTH）(VA全开)  亮度输出值: cd/m2  开口照度值: lux  辐亮度峰值: W/m2-sr-um @ 0.60um Pl @ 0.47 Xe  辐照度峰值@ Port: Photons/s-m2-um @ 0.60um Pl @ 0.47 Xe  近似相关色温(Xenon & QTH) | 37,500  117,800  600  1.14E+21  5100K +400K/-200K | 47,300  148,200  770  1.52E+21  5100K +400K/-200K | 32,500  102,000  620  1.03E+21  5400K +400K/-200K |  |
| 衰减器  衰减器调节步数  动态范围/Bits/dB – 整个系统范围(两个灯) | 2.00E+06  2.68E+07/24/148 | 2.00E+06  3.37E+07/25/150 | 2.00E+06  2.32E+07/24/146 |  |
| 积分球  漫反射涂层 / 材料  积分球内部尺寸: Inches (Meters)  框架类型  输出开口尺寸: Inches (Meters) | Spectraflect  12 (0.3)  12 in Cage  4 (0.1) | Spectralon®  11.5 (0.29)  12 in Cage  4 (0.1) | Spectralon  11.5 (0.29)  12 in Cage  4 (0.1) |  |
| 系统组件  内部卤素灯(# , Wattage)  外部卤素灯(#, Wattage)  氙灯& 灯罩  等离子灯& 灯罩  电源(# -型号)  专用电源  可变衰减器  监控探测器(s)  探测器滤光片(在滤光片架中)  系统软件  光谱仪(类型, 光谱范围) | (0)  (1) 150  175W None  (1) LPS-350  Integrated Xenon  (2) VAA-220A SD-S1  Photopic HELIOSense CDS-610 | (0)  (1) 150  175W None  (1) LPS-350  Integrated Xenon  (2) VAA-220A SD-S1  Photopic HELIOSense CDS-610 | (0)  (1) 150  UV 175W None  (1) LPS-350  Integrated Xenon  (2) VAA-220A SD-S1  Photopic HELIOSense CDS-600 |  |
| 标准系统校准(可溯源至NIST)  亮度  相关色温(所有灯匹配& w/VA 位置)  仅卤素灯光谱辐亮度(350-2400nm)  仅氙灯光谱辐亮度(350-2400nm)  卤素灯 & 氙灯光谱辐亮度(350-2400nm) & CDS  出口面均匀性  出口角均匀性  校准(氙灯/卤素灯)时间 | Yes Yes Yes Yes Yes Yes Yes  25 hrs / 50 hrs | Yes Yes Yes Yes Yes Yes Yes  25 hrs / 50 hrs | Yes Yes Yes Yes Yes Yes Yes  25 hrs / 50 hrs |  |

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| 型号  料号 | USLR-A12F-XDN2-P  A3XD-N2NN-NNAR-NS00-0000-P | USLR-A12L-XDN2-P  A4XD-N2NN-NNAR-NS00-0000-P | USLR-A12L-UDN1-P  A4UD-N1NN-NNAR-NS00-0000-P |  |
| 光学性能参数  均匀性 (每盏灯或组合)  开口面均匀性(f/4) -所有灯打开  角度均匀性(全角度) - Degrees / F# / NA -所有灯打开 | +/-1.0%  +/-2.0% - 35° / 0.85 / 0.6 | +/-1.0%  +/-2.0% - 35° / 0.85 / 0.6 | +/-1.0%  +/-2.0% - 35° / 0.85 / 0.6 |  |
| 只开卤素灯（QTH）  亮度输出值: cd/m2  开口照度值: lux  辐亮度峰值: W/m2-sr-um @ 0.95 um  辐照度峰值@ Port: Photons/s-m2-um @ 0.95um  最低照度调整: lux  近似相关色温(QTH)  典型的灯寿命(hrs)  预估灯寿命衰减值(% & CCT Shift)  超出50hrs输出衰减值(% & CCT Shift) | 11,500  36,000  350  1.50E+21  3.27E+00  3000K +/-50K  >500hrs  -10% & +/-200K  -1.0% & +/-20K | 15,500  49,000  460  2.20E+21  3.27E+00  3000K +/-50K  >500hrs  -10% & +/-200K  -1.0% & +/-20K | 15,500  49,000  460  2.20E+21  3.27E+00  3000K +/-50K  >500hrs  -10% & +/-200K  -1.0% & +/-20K |  |
| 只开等离子或氙灯光源  亮度输出值: cd/m2  开口照度值: lux  辐亮度峰值: W/m2-sr-um @ 0.60um Pl @ 0.47 Xe  辐照度峰值@ Port: Photons/s-m2-um @ 0.60um Pl or 0.47 Xe  最低照度调整: lux  近似相关色温  等离子灯休息模式/氙灯闪光灯(Peak-Peak/RMS/Hz) - Typical  等离子灯测试模式(Peak-Peak/RMS/Hz) - 30 minutes (Rest 5min) 安装冷镜(330-750nm)  典型的灯寿命(hrs) 等离子灯/氙灯  预估灯寿命衰减值(% & CCT Shift)  超出50hrs输出衰减值(% & CCT Shift) | 30,500  48,000  420  1.20E+21  4.36E+00  6000K +400K/-200K  4%/1%/5kHz  N/A Yes  400  -50% & -600K  -2.5% / -30K | 42,000  132,000  550  1.60E+21  1.20E+01  6000K +400K/-200K  4%/1%/5kHz  N/A Yes  400  -50% & -600K  -2.5% / -30K | 16,500  51,800  430  7.16E+20  4.71E+00  6600K +/-300K  4%/1%/5kHz  N/A None  400  -50% & -600K  -2.5% / -30K |  |
| 等离子灯/氙灯 & 卤素灯（QTH）(VA全开)  亮度输出值: cd/m2  开口照度值: lux  辐亮度峰值: W/m2-sr-um @ 0.60um Pl @ 0.47 Xe  辐照度峰值@ Port: Photons/s-m2-um @ 0.60um Pl @ 0.47 Xe  近似相关色温(Xenon & QTH) | 42,000  84,000  600  1.43E+21  5100K +400K/-200K | 58,000  182,000  820  2.50E+21  5100K +400K/-200K | 32,000  100,800  620  1.03E+21  5400K +400K/-200K |  |
| 衰减器  衰减器调节步数  动态范围/Bits/dB – 整个系统范围(两个灯) | 1.20E+04  2.95E+04/14/89 | 1.20E+04  3.71E+04/15/91 | 1.20E+04  2.55E+04/14/88 |  |
| 积分球  漫反射涂层 / 材料  积分球内部尺寸: Inches (Meters)  框架类型  输出开口尺寸: Inches (Meters) | Spectraflect  12 (0.3)  12 in Cage  4 (0.1) | Spectralon  11.5 (0.29)  12 in Cage  4 (0.1) | Spectralon  11.5 (0.29)  12 in Cage  4 (0.1) |  |
| 系统组件  内部卤素灯(# , Wattage)  外部卤素灯(#, Wattage)  氙灯& 灯罩  等离子灯& 灯罩  电源(# -型号)  专用电源  可变衰减器  监控探测器(s)  探测器滤光片(在滤光片架中)  系统软件  光谱仪(类型, 光谱范围) | (0)  (1) 150  175W None  (1) LPS-350  Integrated Xenon  (2) VAD-012  SD-S1  Photopic HELIOSense CDS-610 | (0)  (1) 150  UV 175W None  (1) LPS-350  Integrated Xenon  (2) VAD-012  SD-S1  Photopic HELIOSense CDS-610 | (0)  (1) 150  UV 175W None  (1) LPS-350  Integrated Xenon  (2) VAD-012  SD-S1  Photopic HELIOSense CDS-600 |  |
| 标准系统校准(可溯源至NIST)  Luminance  相关色温(所有灯匹配& w/VA 位置)  仅卤素灯光谱辐亮度(350-2400nm)  仅氙灯光谱辐亮度(350-2400nm)  卤素灯 & 氙灯光谱辐亮度(350-2400nm) & CDS  出口面均匀性  出口角均匀性  校准(氙灯/卤素灯)时间 | Yes Yes Yes Yes Yes Yes Yes  25 hrs / 50 hrs | Yes Yes Yes Yes Yes Yes Yes  25 hrs / 50 hrs | Yes Yes Yes Yes Yes Yes Yes  25 hrs / 50 hrs |  |

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| 型号  料号 | USLR-A12F-XMN2-P  A3XM-N2NN-NNAR-NS00-0000-P | USLR-A12L-XMN2-P  A4XM-N2NN-NNAR-NS00-0000-P | USLR-A12L-UMN1-P  A4UM-N1NN-NNAR-NS00-0000-P |  |
| 光学性能参数  均匀性 (每盏灯或组合)  开口面均匀性(f/4) -所有灯打开  角度均匀性(全角度) - Degrees / F# / NA - All Lamps On | +/-1.0%  +/-2.0% - 35° / 0.85 / 0.6 | +/-1.0%  +/-2.0% - 35° / 0.85 / 0.6 | +/-1.0%  +/-2.0% - 35° / 0.85 / 0.6 |  |
| 只开卤素灯（QTH）  亮度输出值: cd/m2  开口照度值: lux  辐亮度峰值: W/m2-sr-um @ 0.95 um  辐照度峰值@ Port: Photons/s-m2-um @ 0.95um  最低照度调整: lux  近似相关色温(QTH)  典型的灯寿命(hrs)  预估灯寿命衰减值(% & CCT Shift)  超出50hrs输出衰减值(% & CCT Shift) | 11,500  36,000  350  1.50E+21  7.20E-01  3000K +/-50K  >500hrs  -10% & +/-200K  -1.0% & +/-20K | 15,500  49,000  460  2.20E+21  9.80E+01  3000K +/-50K  >500hrs  -10% & +/-200K  -1.0% & +/-20K | 15,500  49,000  460  2.20E+21  9.80E+01  3000K +/-50K  >500hrs  -10% & +/-200K  -1.0% & +/-20K |  |
| 只开等离子或氙灯光源  亮度输出值: cd/m2  开口照度值: lux  辐亮度峰值: W/m2-sr-um @ 0.60um Pl @ 0.47 Xe  辐照度峰值@ Port: Photons/s-m2-um @ 0.60um Pl or 0.47 Xe  最低照度调整: lux  近似相关色温  等离子灯休息模式/氙灯闪光灯(Peak-Peak/RMS/Hz) - Typical  等离子灯测试模式(Peak-Peak/RMS/Hz) - 30 minutes (Rest 5min)  安装冷镜(330-750nm)  典型的灯寿命(hrs) 等离子灯/氙灯  预估灯寿命衰减值(% & CCT Shift)  超出50hrs输出衰减值(% & CCT Shift) | 30,500  42,000  420  1.20E+21  8.40E+01  6000K +400K/-200K  4%/1%/5kHz  N/A Yes  400  -50% & -600K  -2.5% / -30K | 42,000  132,000  550  1.60E+21  2.64E+00  6000K +400K/-200K  4%/1%/5kHz  N/A Yes  400  -50% & -600K  -2.5% / -30K | 16,500  51,800  430  7.16E+20  1.04E+00  6600K +/-300K  4%/1%/5kHz  N/A None  400  -50% & -600K  -2.5% / -30K |  |
| 等离子灯/氙灯 & 卤素灯（QTH）(VA全开)  亮度输出值: cd/m2  开口照度值: lux  辐亮度峰值: W/m2-sr-um @ 0.60um Pl @ 0.47 Xe  辐照度峰值@ Port: Photons/s-m2-um @ 0.60um Pl @ 0.47 Xe  近似相关色温(Xenon & QTH) | 42,000  78,000  600  1.43E+21  5100K +400K/-200K | 58,000  182,000  820  2.50E+21  5100K +400K/-200K | 32,000  100,800  620  1.03E+21  5400K +400K/-200K |  |
| 衰减器  衰减器调节步数  动态范围/Bits/dB – 整个系统范围(两个灯) | 1.00E+04  1.34E+05/17/102 | 1.00E+04  1.48E+05/17/102 | 1.00E+04  1.02E+05/16/99 |  |
| 积分球  漫反射涂层 / 材料  积分球内部尺寸: Inches (Meters)  框架类型  输出开口尺寸: Inches (Meters) | Spectraflect  12 (0.3)  12 in Cage  4 (0.1) | Spectralon  11.5 (0.29)  12 in Cage  4 (0.1) | Spectralon  11.5 (0.29)  12 in Cage  4 (0.1) |  |
| 系统组件  内部卤素灯(# , Wattage)  外部卤素灯(#, Wattage)  氙灯& 灯罩  等离子灯& 灯罩  电源(# -型号)  专用电源  可变衰减器  监控探测器(s)  探测器滤光片(在滤光片架中)  系统软件  光谱仪(类型, 光谱范围) | (0)  (1) 150  175W None  (1) LPS-350  Integrated Xenon  (2) VA-MM SD-S1  Photopic HELIOSense CDS-610 | (0)  (1) 150  175W None  (1) LPS-350  Integrated Xenon  (2) VA-MM SD-S1  Photopic HELIOSense CDS-610 | (0)  (1) 150  UV 175W None  (1) LPS-350  Integrated Xenon  (2) VA-MM SD-S1  Photopic HELIOSense CDS-600 |  |
| 标准系统校准(可溯源至NIST)  Luminance  相关色温(所有灯匹配& w/VA 位置)  仅卤素灯光谱辐亮度(350-2400nm)  仅氙灯光谱辐亮度(350-2400nm)  卤素灯 & 氙灯光谱辐亮度(350-2400nm) & CDS  出口面均匀性  出口角均匀性  校准(氙灯/卤素灯)时间 | Yes Yes Yes Yes Yes Yes Yes  25 hrs / 50 hrs | Yes Yes Yes Yes Yes Yes Yes  25 hrs / 50 hrs | Yes Yes Yes Yes Yes Yes Yes  25 hrs / 50 hrs |  |

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| 型号  料号 | USLR-A12F-PAN2-P  A3PA-N2NN-NNAR-NS00-0000-P | USLR-A12L-PAN2-P  A4PA-N2NN-NNAR-NS00-0000-P | USLR-A12F-PDN2-P  A3PD-N2NN-NNAR-NS00-0000-P |  |
| 光学性能参数  均匀性 (每盏灯或组合)  开口面均匀性(f/4) -所有灯打开  角度均匀性(全角度) - Degrees / F# / NA -所有灯打开 | +/-1.0%  +/-2.0% - 35° / 0.85 / 0.6 | +/-1.0%  +/-2.0% - 35° / 0.85 / 0.6 | +/-1.0%  +/-2.0% - 35° / 0.85 / 0.6 |  |
| 只开卤素灯（QTH）  亮度输出值: cd/m2  开口照度值: lux  辐亮度峰值: W/m2-sr-um @ 0.95 um  辐照度峰值@ Port: Photons/s-m2-um @ 0.95um  最低照度调整: lux  近似相关色温(QTH)  典型的灯寿命(hrs)  预估灯寿命衰减值(% & CCT Shift)  超出50hrs输出衰减值(% & CCT Shift) | 11,500  36,000  350  1.50E+21  3.60E-03  3000K +/-50K  >500hrs  -10% & +/-200K  -1.0% & +/-20K | 15,500  49,000  460  2.20E+21  4.90E-03  3000K +/-50K  >500hrs  -10% & +/-200K  -1.0% & +/-20K | 11,500  36,000  350  1.50E+21  3.27E+00  3000K +/-50K  >500hrs  -10% & +/-200K  -1.0% & +/-20K |  |
| 只开等离子或氙灯光源  亮度输出值: cd/m2  开口照度值: lux  辐亮度峰值: W/m2-sr-um @ 0.60um Pl @ 0.47 Xe  辐照度峰值@ Port: Photons/s-m2-um @ 0.60um Pl or 0.47 Xe  最低照度调整: lux  近似相关色温  等离子休息模式/氙灯闪光灯(Peak-Peak/RMS/Hz) - Typical  等离子灯测试模式(Peak-Peak/RMS/Hz) - 30 minutes (Rest 5min) 安装冷镜(330-750nm)  典型的灯寿命(hrs) 等离子灯/氙灯  预估灯寿命衰减值(% & CCT Shift)  超出50hrs输出衰减值(% & CCT Shift) | 44,000  138,000  630  1.90E+21  1.38E-02  5100K +/-100K  6%/1.5%/0.1Hz  0.6%/0.04%/DC None  >5000/450  -10% & -200K  -0.2% & +-5K | 58,000  182,000  920  2.50E+21  1.82E-02  5100K +/-100K  6%/1.5%/0.1Hz  0.6%/0.04%/DC  0.6%/0.06%/DC  >5000/450  -10% & -200K  -0.2% & +-5K | 44,000  138,000  630  1.90E+21  1.25E+01  5100K +/-100K  6%/1.5%/0.1Hz  0.6%/0.04%/DC  0.6%/0.06%/DC  >5000/450  -10% & -200K  -0.2% & +-5K |  |
| 等离子灯/氙灯 & 卤素灯（QTH）(VA全开)  亮度输出值: cd/m2  开口照度值: lux  辐亮度峰值: W/m2-sr-um @ 0.60um Pl @ 0.47 Xe  辐照度峰值@ Port: Photons/s-m2-um @ 0.60um Pl @ 0.47 Xe  近似相关色温(Xenon & QTH) | 55,500  174,000  900  2.90E+21  4500K +/-300K | 73,500  231,000  1050  3.40E+21  4500K +/-300K | 55,500  174,000  900  2.90E+21  4500K +/-300K |  |
| 衰减器  衰减器调节步数  动态范围/Bits/dB – 整个系统范围(两个灯) | 2.00E+06  4.64E+07/25/152 | 2.00E+06  4.78E+07/25/153 | 5.00E+04  5.00E+04/18/93 |  |
| 积分球  漫反射涂层 / 材料  积分球内部尺寸: Inches (Meters)  框架类型  输出开口尺寸: Inches (Meters) | Spectraflect  12 (0.3)  12 in Cage  4 (0.1) | Spectralon  11.5 (0.29)  12 in Cage  4 (0.1) | Spectraflect  12 (0.3)  12 in Cage  4 (0.1) |  |
| 系统组件  内部卤素灯(# , Wattage)  外部卤素灯(#, Wattage)  氙灯& 灯罩  等离子灯& 灯罩  电源(# -型号)  专用电源  可变衰减器  监控探测器(s)  探测器滤光片(在滤光片架中)  系统软件  光谱仪(类型, 光谱范围) | (0)  (1) 150  None  250W  (1) LPS-350 (1) LPS-525  No  (2) VAA-220A SD-S1  Photopic HELIOSense CDS-610 | (0)  (1) 150  None  250W  (1) LPS-350 (1) LPS-525  No  (2) VAA-220A SD-S1  Photopic HELIOSense CDS-610 | (0)  (1) 150  None  250W  (1) LPS-350 (1) LPS-525  No  (2) VAD-012  SD-S1  Photopic HELIOSense CDS-610 |  |
| 标准系统校准(可溯源至NIST)  亮度  相关色温(所有灯匹配& w/VA 位置)  仅卤素灯光谱辐亮度(350-2400nm)  仅氙灯光谱辐亮度(350-2400nm)  卤素灯 & 氙灯光谱辐亮度(350-2400nm) & CDS  出口面均匀性  出口角均匀性  校准(氙灯/卤素灯)时间 | Yes Yes Yes Yes Yes Yes Yes  100 hrs / 50 hrs | Yes Yes Yes Yes Yes Yes Yes  100 hrs / 50 hrs | Yes Yes Yes Yes Yes Yes Yes  100 hrs / 50 hrs |  |

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| 型号  料号 | USLR-A12L-PDN2-P  A4PD-N2NN-NNAR-NS00-0000-P | USLR-A12F-PMN2-P  A3PM-N2NN-NNAR-NS00-0000-P | USLR-A12L-PMN2-P  A4PM-N2NN-NNAR-NS00-0000-P |  |
| 光学性能参数  均匀性 (每盏灯或组合)  开口面均匀性(f/4) -所有灯打开  角度均匀性(全角度) - Degrees / F# / NA -所有灯打开 | +/-1.0%  +/-2.0% - 35° / 0.85 / 0.6 | +/-1.0%  +/-2.0% - 35° / 0.85 / 0.6 | +/-1.0%  +/-2.0% - 35° / 0.85 / 0.6 |  |
| 只开卤素灯（QTH）  亮度输出值: cd/m2  开口照度值: lux  辐亮度峰值: W/m2-sr-um @ 0.95 um  辐照度峰值@ Port: Photons/s-m2-um @ 0.95um  最低照度调整: lux  近似相关色温(QTH)  典型的灯寿命(hrs)  预估灯寿命衰减值(% & CCT Shift)  超出50hrs输出衰减值(% & CCT Shift) | 15,000  49,000  460  2.20E+21  4.45E+00  3000K +/-50K  >500hrs  -10% & +/-200K  -1.0% & +/-20K | 11,500  36,000  350  1.50E+21  7.20E-01  3000K +/-50K  >500hrs  -10% & +/-200K  -1.0% & +/-20K | 11,500  36,000  350  1.50E+21  7.20E+01  3000K +/-50K  >500hrs  -10% & +/-200K  -1.0% & +/-20K |  |
| 只开等离子或氙灯光源  亮度输出值: cd/m2  开口照度值: lux  辐亮度峰值: W/m2-sr-um @ 0.60um Pl @ 0.47 Xe  辐照度峰值@ Port: Photons/s-m2-um @ 0.60um Pl or 0.47 Xe  最低照度调整: lux  近似相关色温  等离子休息模式/氙灯闪光灯(Peak-Peak/RMS/Hz) - Typical  等离子灯测试模式(Peak-Peak/RMS/Hz) - 30 minutes (Rest 5min) 安装冷镜(330-750nm)  典型的灯寿命(hrs) 等离子灯/氙灯  预估灯寿命衰减值(% & CCT Shift)  超出50hrs输出衰减值(% & CCT Shift) | 58,000  182,000  920  2.50E+21  1.65E+01  5100K +/-100K  6%/1.5%/0.1Hz  0.6%/0.04%/DC  0.6%/0.06%/DC  >5000/450  -10% & -200K  -0.2% & +-5K | 44,000  138,000  630  1.90E+21  2.76E+00  5100K +/-100K  6%/1.5%/0.1Hz  0.6%/0.04%/DC  0.6%/0.06%/DC  >5000/450  -10% & -200K  -0.2% & +-5K | 58,000  182,000  920  2.50E+21  3.64E+00  5100K +/-100K  6%/1.5%/0.1Hz  0.6%/0.04%/DC  0.6%/0.06%/DC  >5000/450  -10% & -200K  -0.2% & +-5K |  |
| 等离子灯/氙灯 & 卤素灯（QTH）(VA全开)  亮度输出值: cd/m2  开口照度值: lux  辐亮度峰值: W/m2-sr-um @ 0.60um Pl @ 0.47 Xe  辐照度峰值@ Port: Photons/s-m2-um @ 0.60um Pl @ 0.47 Xe  近似相关色温(Xenon & QTH) | 73,500  231,000  1050  3.40E+21  4500K +/-300K | 55,500  174,000  900  2.90E+21  4500K +/-300K | 69,500  218,000  1050  3.40E+21  4500K +/-300K |  |
| 衰减器  衰减器调节步数  动态范围/Bits/dB – 整个系统范围(两个灯) | 1.20E+04  5.26E+04/17/94 | 1.00E+04  2.32E+05/17/106 | 1.00E+04  2.39E+05/17/107 |  |
| 积分球  漫反射涂层 / 材料  积分球内部尺寸: Inches (Meters)  框架类型  输出开口尺寸: Inches (Meters) | Spectralon  11.5 (0.29)  12 in Cage  4 (0.1) | Spectraflect  12 (0.3)  12 in Cage  4 (0.1) | Spectralon  11.5 (0.29)  12 in Cage  4 (0.1) |  |
| 系统组件  内部卤素灯(# , Wattage)  外部卤素灯(#, Wattage)  氙灯& 灯罩  等离子灯& 灯罩  电源(# -型号)  专用电源  可变衰减器  监控探测器(s)  探测器滤光片(在滤光片架中)  系统软件  光谱仪(类型, 光谱范围) | (0)  (1) 150  None  250W  (1) LPS-350 (1) LPS-525  No  (2) VAD-012  SD-S1  Photopic HELIOSense CDS-610 | (0)  (1) 150  None  250W  (1) LPS-350 (1) LPS-525  No  (2) VA-MM SD-S1  Photopic HELIOSense CDS-610 | (0)  (1) 150  None  250W  (1) LPS-350 (1) LPS-525  No  (2) VA-MM SD-S1  Photopic HELIOSense CDS-610 |  |
| 标准系统校准(可溯源至NIST)  亮度  相关色温(所有灯匹配& w/VA 位置)  仅卤素灯光谱辐亮度(350-2400nm)  仅氙灯光谱辐亮度(350-2400nm)  卤素灯 & 氙灯光谱辐亮度(350-2400nm) & CDS  出口面均匀性  出口角均匀性  校准(氙灯/卤素灯)时间 | Yes Yes Yes Yes Yes Yes Yes  100 hrs / 50 hrs | Yes Yes Yes Yes Yes Yes Yes  100 hrs / 50 hrs | Yes Yes Yes Yes Yes Yes Yes  100 hrs / 50 hrs |  |