

DesignLights Consortium



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|------------------------|---|
| Classification | Premium |
| Primary Use | High-Bay Luminaires for Commercial and Industrial Buildings |
| Reported Input Wattage | 148.5 W |
| Reported Light Output | 21055 lm |
| Reported CCT | 3500 K |
| Reported CRI (Ra) | 82 |
| Product ID | S-LQDHC7 |
| DLC Family Code | SLFALE |
| Listing Status | Listed |
| Date Qualified | 2023-10-26 |

PRODUCT INFORMATION VIEW DETAILS

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|--------------------------------|--|
| Qualified Product List | Solid State Lighting |
| Technical Requirements Version | 5.1 |
| Product ID | S-LQDHC7 |
| Manufacturer | Precision Lighting & Transformer, Inc |
| Brand | PLT Solutions |
| Model Number | PLTSN1B814[1;2,3]3[1;2;blank][1;2;blank]RP |
| Parent | Yes |
| Classification | Premium |
| DLC Family Code | SLFALE |
| Input Power Type | AC |

PRODUCT CATEGORIZATION VIEW DETAILS

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|-------------------------|---|
| Category | Indoor Luminaires |
| General Application | High-Bay |
| Primary Use Designation | High-Bay Luminaires for Commercial and Industrial Buildings |

CONTROL FEATURES VIEW DETAILS

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|-------------------|-----|
| Integral Controls | Yes |
|-------------------|-----|

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|--|--|
| Dimming Capability and Range | Continuous Dimming to 10% or below |
| Integral Control Capability | No Control Capability |
| Sensor Type | Multifunction Sensor, Sensor Receptacle, Daylight Sensing, Occupancy Sensing |
| SSL V5 Wired Communication Protocol | 0-10V Analog |
| SSL V5 Wireless Communication Protocol | No Wireless Protocol |
| Field Adjustable Light Output | No |
| White-Tunable | No |
| Warm-Dimming | No |
| Field Adjustable Light Distribution | Yes |
| Field Adjustable Distribution Type | Integral FALD |

REPORTED PHOTOMETRIC PERFORMANCE VIEW DETAILS

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|-------------------------------|-------------|
| Reported Light Output | 21055 lm |
| Reported Efficacy (AC) | 141.76 lm/W |
| Reported CCT | 3500 K |
| Reported CRI (Ra) | 82 |
| Reported R9 | 4 |
| Reported IES Rf | 83 |
| Reported IES Rg | 96 |
| Reported IES Rcs,h1 | -13 |
| Reported Default Light Output | 21055 lm |

REPORTED ELECTRICAL PERFORMANCE VIEW DETAILS

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|------------------------------------|-----------|
| Reported Input Wattage | 148.5 W |
| Reported Total Harmonic Distortion | 15 % |
| Reported Power Factor | 0.9 |
| Reported Maximum Input Wattage | 148.5 |
| Reported Default Input Wattage | 148.5 W |
| Voltage Range | 120-277 V |

TESTED PHOTOMETRIC PERFORMANCE VIEW DETAILS

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|-------------------------------------|-------------|
| Tested Voltage for Minimum Efficacy | 120 |
| Tested Light Output | 21055 lm |
| Tested Efficacy (AC) | 141.76 lm/W |
| Tested CCT | 3532 K |
| Tested CRI (Ra) | 82 |

| | |
|---|------------------------|
| Tested R9 | 4 |
| Tested IES Rf | 83 |
| Tested IES Rg | 96 |
| Tested IES Rcs,h1 | -13 % |
| Tested Duv | -0.0029 |
| Field Adjustable Light Distribution Setting | Pointing Straight down |

TESTED ELECTRICAL PERFORMANCE VIEW DETAILS

| | |
|----------------------------------|---------|
| Tested Input Wattage | 148.5 W |
| Tested Total Harmonic Distortion | 6.6 % |
| Tested Power Factor | 0.937 |

PHOTOMETRIC IMAGES AND FILES VIEW DETAILS

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|-----------|-------------------------------|
| SPDX File | Download File |
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VERSION HISTORY VIEW DETAILS

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|------------|--------|-----|---------|
| 2023-10-26 | Listed | 5.1 | Premium |
|------------|--------|-----|---------|