

PROJECT: \_\_\_\_\_

TYPE: \_\_\_\_\_

PRODUCT: \_\_\_\_\_

APPROVED BY: \_\_\_\_\_

PRODUCT FEATURES

- Intended for Patient Rooms, Skilled Nursing Facilities, Convalescent Care, Hospice, and more
- Multi-Function architectural 1 x 4 luminaire provides ambient, exam, reading, and night light illumination for the patient room environment
- Recommended to be used in pairs adjacent to the patient bed. Sold individually. Must order a “Left” and a “Right” for a complete pair
- Low profile, 4” depth minimizes interference with systems within ceiling plenum
- Optional inset doorframe (IAS16) with clear overlay lens provides flat wipe-down surface for easy cleaning, Optional IP65 certified per IEC60598 and NSF2 Splash Zone/Non-Food Zone listed, CCEA approved
- Fixture is certified to UL standards by Intertek Testing laboratory for wet locations
- This product is Made in America and complies with the Buy American Act (BAA) and the Build America, Buy America Act (BABAA)



SPDHI4 Series



ORDERING INFORMATION

Example: SPDHI4L-HC20-IC20/WHL-AER-LW-40-40-35-30-90C-12-DM1-LV3

| SPDH                                                                                                                      |                                           | R                                                                                                                                                                                                                                                        | 14                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                       |                                                                                                                                                       |                                                                                                                                                                                                              |                                                                                                                             | / |
|---------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|---|
| Series                                                                                                                    | Mounting<br>R = Recessed<br>(Grid/Flange) | Size*<br>14 = 1x4<br><br>*Nominal Size.                                                                                                                                                                                                                  | Position<br>L = Left*<br>R = Right*<br>ST = Standalone**<br><br>*Sold individually.<br>Recommended to be used in pairs adjacent to the patient bed. Must specify a Left & Right for a complete pair.<br>**Standalone fixture is one 1x4 above the patient bed. | Housing<br>HC20 = 20Ga. CRS Painted<br>HA16 = 16Ga. Alum Painted                                                                                                                                                                                      | Inset Frame<br>IC20 = 20Ga. CRS Painted<br>IA16 = 16Ga. Alum. Painted<br>IAS16 = 16Ga. Sealed Alum. Painted*                                          | Doorframe Lens*<br>blank = No Overlay Lens<br>WHL = White Linen Pattern*<br><br>*Linen pattern is on the middle compartment. Edges will be White Acrylic unless otherwise specified. See page 2 for example. |                                                                                                                             |   |
|                                                                                                                           |                                           |                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                       |                                                                                                                                                       |                                                                                                                                                                                                              |                                                                                                                             |   |
| Functions*                                                                                                                |                                           |                                                                                                                                                                                                                                                          | Lumen Output*                                                                                                                                                                                                                                                  | Color Temp*                                                                                                                                                                                                                                           | Exam Color Temp.*                                                                                                                                     | Reading Color Temp.                                                                                                                                                                                          | Night Light Color Temp.*                                                                                                    |   |
| AERN = Ambient, Exam, Reading, Night Light<br>AER = Ambient, Exam, Reading<br>AE = Ambient, Exam<br>AR = Ambient, Reading |                                           |                                                                                                                                                                                                                                                          | LW = Low<br>HG = High<br>CL = Custom Lumen Output**<br><br>*Subject to change.<br>**Consult factory. Must be specified at time of quote. Must not exceed fixture maximum output.                                                                               | 30 = 3000K<br>35 = 3500K<br>40 = 4000K<br>50 = 5000K*<br>TW1 = Tunable White 2700K to 5000K**<br>TW1 = Tunable White 2700K to 6500K**<br><br>*Selected CCT will be the same for both ambient and exam functions.<br>**Available for ambient function. | blank = No Exam<br>30 = 3000K<br>35 = 3500K<br>40 = 4000K<br>50 = 5000K**<br><br>*Recommended to have same/similar color temp.<br>** N/A with 90 CRI. | blank = No Reading<br>30 = 3000K<br>35 = 3500K<br>40 = 4000K<br>50 = 5000K                                                                                                                                   | blank = No Night Light<br>30 = 3000K<br>35 = 3500K<br>40 = 4000K<br>50 = 5000K**<br><br>*Non-dimming<br>** N/A with 90 CRI. |   |
| *Additional configurations available.                                                                                     |                                           |                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                       |                                                                                                                                                       |                                                                                                                                                                                                              |                                                                                                                             |   |
|                                                                                                                           |                                           |                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                | LV3                                                                                                                                                                                                                                                   |                                                                                                                                                       |                                                                                                                                                                                                              |                                                                                                                             |   |
| CRI<br>80C = 80 CRI<br>90C = 90 CRI                                                                                       | Voltage<br>12 = 120V<br>27 = 270V         | Driver Type<br>DM1 = 0-10V Dimming to 1%<br>SD3 = Step Dim. Driver (30-70-100%)<br><br>Tunable White Driver*:<br>TWD = 2-Channel 0-10V DALI8<br>DALI8 = 1-Channel Dali8<br><br>*Tunable White Driver requires choice of TW1 or TW2 in Color Temp column. | Control<br>LV3 = Dimming Low Voltage Controller                                                                                                                                                                                                                | Options<br>FZ1 = Fuse (120V)<br>FZ2 = Fuse (277V)<br>EQ = Earthquake Clips<br>IP65 = Optional IP65 Rating*<br><br>*Only available with IAS16. Doorframe secured with screws and a lanyard.                                                            |                                                                                                                                                       |                                                                                                                                                                                                              |                                                                                                                             |   |

## SPECIFICATIONS

**HOUSING:** 20-Gauge formed cold rolled steel housing and frame with continuous seam welds. Optional 16-gauge aluminum. Inset doorframe with latches provides tool-less access for installation and servicing. Optional Inset doorframe with aircraft cables and Phillips flat head fasteners provides IP65 Certification.

**LENS:** High transmittance matte white acrylic lens for maximum diffusion. Optional decorative pattern over middle ambient chamber available. Optional clear overlay lens provides flat wipe-down surface for easy cleaning (recommended for medical applications).

**LED:** Available in four color temperatures 3000K, 3500K, 4000K and 5000K with maximum 3-step MacAdam variation allowance. Tunable White also available, from 2700K - 5000K or 2700K- 6500K. Ambient section illuminates all compartments. Exam light levels work in conjunction with ambient function. Ambient and exam functions are recommended to have the same color temperature. Minimum 50,000 hours with 70% lumen maintenance in a 25°C ambient temperature, compliant with IES LM-80 testing standards.

**ELECTRICAL:** 120-277VAC or 347VAC 50/60HZ electrical input high power factor electronic, constant current driver (<20% THD, >0.90 PF). Standard 0-10V dimming with 1-100% range. Step-Dimming options available.

### OPTIONAL TUNABLE WHITE DRIVERS:

**DALI8-** DALI Type 8 (One DALI Address)

**TWD-** Two Channel 0-10V dimming; one channel for brightness, one channel for CCT

**LOW VOLTAGE CONTROL:** The Low Voltage Control (LVC3) option controls ambient function with dimming, and reading is non-dimming (on/off). The Exam and Night Light functions are on separate line voltage circuits. The Exam and Night Light functions are on separate line voltage circuits; the nightlight LED board has (4) settings that are field selectable. The exam is typically wired to a wall switch (by others) and is dimmable. Other configurations are available – consult factory. Leads are factory labeled for field installation. Controls and any additional accessories by others.

**FINISH:** White antimicrobial polyester powder coat finish following multi-stage iron phosphate pretreatment.

**INSTALLATION:** Universal recessed mounting accommodates Grid and Flange installations. Luminaires will be supplied with adjustable swing arms that can be used for Flange applications or secured to the side of housing for Grid applications. Compatible with 1-1/2" and 15/16" Grid systems. Mounting for custom ceilings available, consult factory.

**WARRANTY:** 5 Year Warranty.

**LABEL:** Fixture is certified to UL standards by Intertek Testing Laboratories for Wet Location. Certified IP65 per IEC60598 when optional inset doorframe with aircraft cables and Phillips flat head fasteners are specified. This product was Made in America and complies with the Buy American Act (BAA) and this Build America, Buy America Act (BABAA).

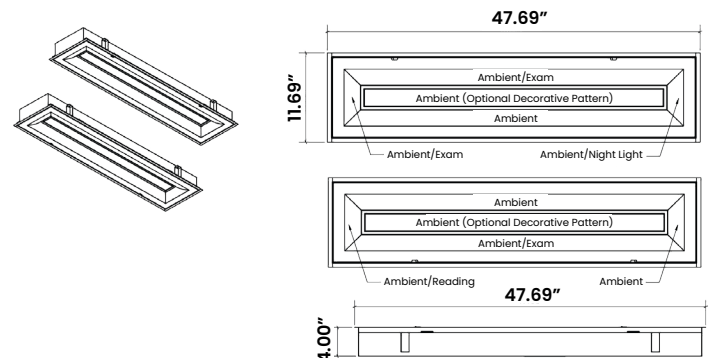
## DIMENSIONAL DATA\*

\*Dimensions are subject to change without notice. Intended for non-IC installations. Thermal protector included and extends 2 inches from housing. Note, Ambient function illuminates all compartments including center section. Exam function to be used in conjunction with ambient function.

SPDH 1x4 recommended ceiling cut-out: 10.88" x 46.88"

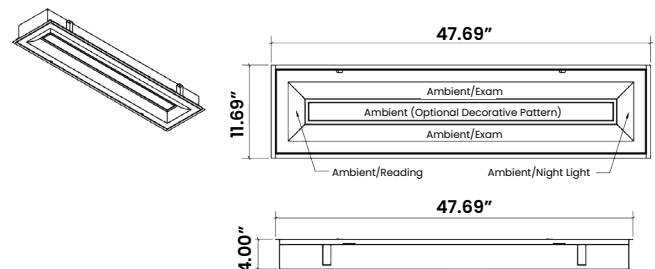
### SPDH14 PAIR

When used in pairs, the exam function is in the outer most position away from the patient bed. Night light can be specified for both units if ordering a pair.



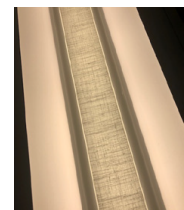
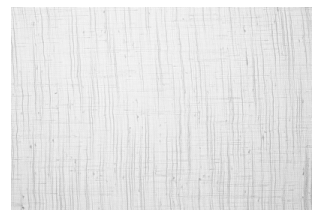
### SPDH14 STANDALONE

The standalone fixture will have the exam function on both sides of the fixture.



### AMBIENT DECORATIVE LENS

Lens is a white matte acrylic. Optional white linen pattern over middle ambient chamber. Linen pattern shown below.



**New Star Lighting**

2225 W Pershing Rd, Chicago, IL 60609  
(773) 847-1400  
www.newstarlighting.com

Specifications and dimensions are subject to change without notice. For additional options and dimensional details, please consult your New Star Lighting representative.

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# LUMANIQUE MULTI-FUNCTION SERIES



## PERFORMANCE DATA\*

\*Displayed information is with 80 CRI at 4000°K with a white acrylic lens. Exam function to be used in conjunction with ambient function. LEDs are frequently updated therefore values may change without notice.

| SERIES                           | OUTPUT    | FUNCTION    | LUMENS DELIVERED | EFFICACY (lm/W) | INPUT POWER (W) |
|----------------------------------|-----------|-------------|------------------|-----------------|-----------------|
| SPD14<br>Left & Right Pair Total | LW = Low  | Ambient     | 5700             | 95              | 60              |
|                                  |           | Exam        | 10800            | 90              | 120             |
|                                  |           | Reading     | 1250             | 50              | 25              |
|                                  |           | Night Light | 500              | 50              | 10              |
|                                  | HG = High | Ambient     | 9500             | 95              | 100             |
|                                  |           | Exam        | 18000            | 90              | 200             |
|                                  |           | Reading     | 1250             | 50              | 25              |
|                                  |           | Night Light | 500              | 50              | 10              |
| SPD14ST<br>1x4 Standalone        | LW = Low  | Ambient     | 2850             | 95              | 30              |
|                                  |           | Exam        | 5400             | 90              | 60              |
|                                  |           | Reading     | 600              | 50              | 12              |
|                                  |           | Night Light | 350              | 50              | 7               |
|                                  | HG = High | Ambient     | 4750             | 95              | 50              |
|                                  |           | Exam        | 9000             | 90              | 100             |
|                                  |           | Reading     | 600              | 50              | 12              |
|                                  |           | Night Light | 350              | 50              | 7               |

## CCT MULTIPLIERS

Multipliers for relative lumen values with other series color temperatures.

| 3000K | 3500K | 4000K | 5000K |
|-------|-------|-------|-------|
| 0.96  | 0.99  | 1.00  | 1.00  |



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