COMPLETECARE™ LUMANIQUE
MULTI-FUNCTION SERIES (2x2 & 2x4)

New Star Lighting

PROJECT: _____
TYPE: _____
PRODUCT: _____
APPROVED BY: _____

SPDH

PRODUCT FEATURES

- Intended for Patient Rooms, Skilled Nursing Facilities, Convalescent Care, Hospice and more
- Provides ambient, exam, reading, and night light illumination for the patient room environment
- 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
- Dimensional one-piece lens provides an architectural statement
- This product is Made in America and complies with the Buy American Act (BAA) and the Build America, Buy America Act (BABAA)

IP65 OPTIONAL w/ IAS16 | NSF2 | CCEA | BAA | MADE IN AMERICA

ORDERING INFORMATION

Example: SPDHR22-HC20/IC20-CA12-WHA-AERN-LW-30-40-12-DM1

SPDH	R			/		
Series	**Mounting**	**Size**	**Housing**	**Inset Frame**	**Frame Lens***	**Lens**
	R = Recessed (Grid/Flange)	22 = 2x2 24 = 2x4	HC20 = 20Ga. CRS Painted HA16 = 16Ga. Alum. Painted	IC20 = 20Ga. CRS Painted IA16 = 16Ga. Alum. Painted IAS16 = 16Ga. Sealed Alum. Painted* *IAS16 is sealed with IP65 listing. Door secured with screws and a lanyard.	Blank = No Overlay Lens CA12 = .125 Clear Acrylic CP12 = .125 Clear Polycarbonate CP060 = .060 Clear Polycarbonate *Clear high reflective overlay provides flat wipe-down surface for easy cleaning (recommended for medical applications).	WHA = White Acrylic WHL = White Linen Pattern* *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***	**Ambient*/Exam*/ Reading/Nightlight** Color Temp.**	**Voltage**	**Driver Type**	**Options**
AERN = Ambient, Exam, Reading, Night Light AER = Ambient, Exam, Reading AE = Ambient, Exam AR = Ambient, Reading *Additional configurations available.	LW = Low HG = High CL = Custom Lumen Output** *Subject to change. **Consult factory. Must be specified at time of quote. Must not exceed fixture maximum output.	30 = 3000K 35 = 3500K 40 = 4000K 50 = 5000K* TW1 = Tunable White 2700K to 5000K** TW1 = Tunable White 2700K to 6500K** *Selected CCT will be the same for both ambient and exam functions. **Available for ambient function.	NE = No Exam NR = No Reading NN = No Nightlight 30 = 3000K 35 = 3500K 40 = 4000K 50 = 5000K LNA = Amber Night Light TW1 = Tunable White 2700K to 5000K*** *Ambient illuminates all compartments. Recommended to have same/similar color temp. as Exam. **Night Light non-dimming unless specified ***If Tunable White is selected, CCT applies to both Ambient and Exam functions.	12 = 120V 27 = 277V	DM1 = 0-10V Dimming to 1% SD2 = Step Dim. Module (50-100%)* SD3 = Step Dim. Module (30-70-100%)* **Tunable White Driver**:** DALI8 = 1-Channel TW0 = 2-Channel 0-10V *Click here for specification. LV3 controls ambient and reading functions with dimming. Exam and Night Light are on separate line voltage circuits. **Allows for Inboard/Outboard control.	FZ1 = Fuse (120V) FZ2 = Fuse (277V) EQ = Earthquake Clips LV3 = Dimming Low Voltage Controller TH = Torx® Head Screws⁺ IP65 = Optional IP65 Rating** *See Page 2 to specify system. ⁺Self tapping screw through latch **Only available with IAS16. Doorframe secured with screws and a lanyard.

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

07252025

COMPLETECARE™ LUMANIQUE
MULTI-FUNCTION SERIES (2x2 & 2x4)

New Star Lighting

SPECIFICATIONS

CONSTRUCTION: 20-Gauge formed cold rolled steel housing and frame with continuous seam welds. Optional 16-gauge aluminum inset doorframe, sealed with closed-cell silicone gaskets and roomside fasteners, firmly anchored to the housing with durable aircraft cable. Internal chambers separate functions for individual light control without light leaks.

LENS: High transmittance matte white acrylic lens for maximum diffusion. Optional clear overlay lens provides flat wipe-down surface for easy cleaning (recommended for medical applications).

LED: Provides ambient, exam, reading and night light illumination for the patient room environment. Available in four color temperatures 3000K, 3500K, 4000K and 5000K with maximum 3-step MacAdam variation allowance. Other color temperatures available, consult factory. 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. 90 CRI standard.

DRIVER: 120-277VAC, 50-60HZ. Each function is independently circuited for individual control. 0-10V Dimming with 1-100% range. Tunable White selection for both Ambient and Exam functions. Driver options:

> **DALI8** - Dali Type* (one DALI address)
> **TWD** - Constant current, two channel 0-10V dimming with dim-to-dark capabilities; one channel for brightness, one channel for CCT.

Optional Curbell Low Voltage Controller provides control of lighting from a pillow speaker, bed side rail or wall switch. LV3 controls ambient and reading functions with dimming. Exam and night light functions are provided on independent line voltage circuits unless otherwise specified. Controls and additional accessories by others.

FASTENERS: Stainless steel Philips flat head screws with captive cage nuts. Finish to match trim.

FINISH: White antimicrobial powder coat finish following multistage iron phosphate pretreatment on all exposed roomside painted surfaces.

INSTALLATION: Recessed mounting accommodates Grid and Flange installations. Recessed fixtures will be supplied with adjustable swing arms that can be used for Flange applications or taped to the side for Grid applications. Recessed install compatible with 1-1/2" and 15/16" Grid systems. Mounting for custom ceilings available, consult factory.
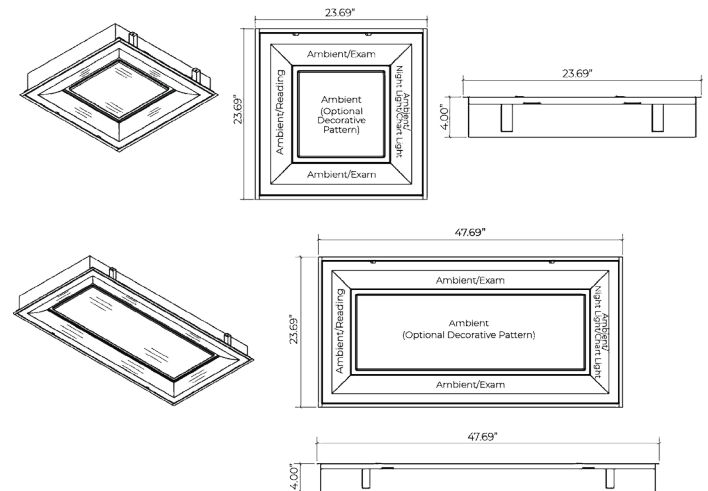
WARRANTY: Five (5) year warranty period.

LABEL: Fixutre is certified to UL standards by Intertek Testing Laboratory for Non-IC installations. Optional IP65 Rating per IEC60598. NSF2 Splash/Non-Food Zone listed when IAS16 inset doorframe is specified. CCEA approved.

DIMENSIONAL DATA

Dimensions are subject to change without notice. Intended for non-IC installations. Thermal protector included and extends 2 inches from housing. Fixture weight varies and is dependent upon chosen specifications. Consult factory for additional information.

Average weight of the SPD 2x2 is 30lbs. SPD 2x4 is 50lbs.

SPDH 2x2 recommended ceiling cut-out: 22.88" x 22.88"
SPDH 2x4 recommended ceiling cut-out: 22.88" x 46.88"

AMBIENT DECORATIVE LENS
Lens is a white matte acrylic. Optional white linen pattern over middle ambient chamber or custom pattern provided by customer. Linen pattern shown below.

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

07252025

COMPLETECARE™ LUMANIQUE
MULTI-FUNCTION SERIES (2x2 & 2x4)

New Star Lighting

PERFORMANCE DATA*

*LEDs are frequently updated therefore values may change without notice.

Displayed information is with 80 CRI at 4000K with a white acrylic lens. LEDs are frequently updated therefore values may change without notice. Consult factory for additional reading light levels. Note, ambient function illuminates all compartments including center section. Exam function to be used in conjunction with ambient function.

SERIES	OUTPUT	FUNCTION	LUMENS DELIVERED	EFFICACY (lm/W)	INPUT POWER (W)
SPD22	LW = Low	Ambient	4400	110	40
		Exam	8000	100	80
		Reading	900	75	12
		Night Light	750	75	10
	HG = High	Ambient	6600	110	60
		Exam	10800	100	108
		Reading	900	75	12
		Night Light	750	75	10
SPD24	LW = Low	Ambient	6900	115	60
		Exam	12000	100	120
		Reading	1875	75	25
		Night Light	600	75	8
	HG = High	Ambient	13800	115	120
		Exam	21500	100	215
		Reading	1875	75	25
		Night Light	1125	75	15

CCT Multipliers - 80 CRI
Multipliers for relative lumen values with other series color temperatures

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

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

07252025