SHALLOW PRIMO SERIES

NewStarLighting

PROJECT: _____

TYPE: _____

PRODUCT: _____

APPROVED BY: _____

PRODUCT FEATURES

- Intended for Patient Rooms, Exam Rooms, Treatment Rooms, and more
- Recommeded to be used in pairs adjacent to the patient bed. Sold individually
- Provides ambient, exam, reading, and night light illumination
- Tool-less lens removal for easy room-side access to LED boards and drivers
- Low profile, 4" depth minimizes interference with systems within ceiling plenum.
- This product was Made in America and complies with the Buy American Act requirements

PRS

ORDERING INFORMATION

Example: PRSG4-HC20-F2LW40-RW-12-LVD-DM

PRS	G					
Series	**Mounting** **G** = Grid	**Size*** **4** =4ft *Nominal Size.	**Housing** **HC20** =20Ga. CRS Painted **HS20** =20Ga. SS Brushed **HP20** =20Ga. SS Painted **HA16** =16Ga. Alum. Painted	**Function** **F1** = Ambient **F2** = Ambient & Exam **F3** = Reading, Ambient & Exam* *Portion of inner LED boards are used for reading function unless SD3 is speciffied. SD3 illuminates all LED boards.	**Lumen Output*** **LW** = Low **HG** = High **CL** = Custom Lumen Output** *Subject to change. Performance Data on page 3. Light levels are achieved when functions are used in conjunction with one another. Data is for one unit. **Must be specified at time of quote. Must not exceed fixture maximum output. Must specify "DM1" if selecting dimming."	**Color Temp.*** **30** = 3000K **35** = 3500K **40** = 4000K **50** = 5000K **TW1** = Tunable White 2700K to 5000K** **TW2** = Tunable White 2700K to 6500K** *Selected CCT will be the same for both ambient and exam functions. **Available for ambient function only. See Page 2 to specify system.

RW				
Diffuser **RW** = White Poly.	**Voltage** **12** = 120V **27** = 277V **UN** =Universal (120V-277V)	**Control** **Blank** = Functions on independent circuits **SD2** = 2 Function Step Dimming (50-100%)* **SD3** = 3 Function Step Dimming (30-70-100%)* **LT1** = Lutron Hi-Lume EcoSystem 1% Dimming** **LV3** = Independent Load Dimming LVC*** **LVD** = Multi-load Dimming LVC*** *All LED boards will be illuminated and step dimmed at specified levels. Cannot be used with additional dimming or control system. **Cannot be used with additional dimming or control systems. ***Click here for more information. Provides control of lighting from a pillow speaker, bedside rail or wall switch. Leads are factory labled.	**Options** **FZ1** = Fuse (120V) **FZ2** = Fuse (277V) **LN** = Non-dimming LED night light (3500K) **LNA** = Non-dimming amber LED night light	**Accessory** **FK** = Flange Conversion Kit* *Consult factory for details.

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

SPECIFICATIONS

HOUSING: 20-Gauge formed cold steel housing with continuous seam welds. Aluminum and stainless steel options available. Note, the PRS does not have a frame and outer lens - please refer to the Primo (PR) for that option.

LENS: Extruded white polycarbonate lens for maximum diffusion. Unique clip design allows for tool-free lens removal to access LED boards and drivers from room-side.

LED: Ambient, Exam and Reading functions are 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. Minimum 50,000 hours with 70% lumen maintenance in a 25°C ambient temperature, compliant with IES LM-80 testing standards .

Ambient light levels work in conjunction with reading function. Exam light levels work in conjunction with ambient function. Specified color temperature and CRI will be for all functions.

ELECTRICAL: 120-277VAC 50/60HZ electrical input high power factor electronic, constant current driver (<20% THD, >0.95 PF). Standard 0-10V Dimming with 1-100% range on Ambient and Reading functions. Must specify dimming under options. Optional step dimming, Lutron Hi-Lumen EcoSystem and Curbell Low Voltage Controller to achieve dimming and control of illumination levels. If ordered without a control, all functions will be on independent line voltage circuits.

OPTIONAL TW 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: Two Low Voltage Control (LVC) options; Voltage-specific LV2 controls ambient and reading functions without dimming (on/off function only). LV3 option controls ambient function with dimming, reading is non-dimming (on/off). WIth either LVC option, Exam and Night Light are on separate line voltage circuits. One low voltage controller per pair is recommended. Leads are factory labeled for field installation. Controls and additional accessories by others.

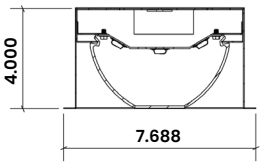
FINISH: White antimicrobial powder coat finish following multi-stage iron phosphate pretreatment on all exposed room-side painting surfaces, unless otherwise specified.

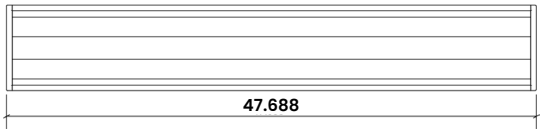
INSTALLATION: Recessed Grid installation. Tabs on back of housing can be used for additional structural support.

WARRANTY: 5 Year Warranty.

LABEL: Fixture is certified to UL standards by Intertek Testing Laboratories for Damp Location and non-IC installations (thermal protector included). This product is Made in America and complies with Buy American Act requirements.

DIMENSIONAL DATA





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PERFORMANCE DATA*

*Displayed information is with 80 CRI at 4000K. Data is for one unit only. LEDs are frequently updated therefore values may change without notice. If fixture is separately circuited or using the LV3, functions work in conjunction with one another to achieve light levels. SD2 and SD3 will illuminate all LED boards and will be step dimmed to achieve specified light levels.

MODEL	CONTROL SYSTEM	OUTPUT	FUNCTION	LUMENS DELIVERED	EFFICACY (lm/W)	INPUT POWER (W)
F1 = Ambient	Separately Circuited/ LV3/LVD	LW = Low	Ambient	4800	96	50
		HG = High		7600	101	75
F2 = Ambient + Exam	Separately Circuited or LV3 = Independent Load Dimming Low Voltage Controller	LW = Low	Ambient (Load 1)	3000	120	25
			Exam (Load 1 + Load 2)	7600	101	75
		HG = High	Ambient (Load 1)	4800	96	50
			Exam (Load 1 + Load 2)	7600	101	75
	SD2 = Step Dimming (50-100%)	LW = Low	Ambient (50%)	2400	96	25
			Exam (100%)	4800	96	50
		HG = High	Ambient (50%)	3800	100	38
			Exam (100%)	7600	101	75
	LVD = Multi-Load Dimming Low Voltage Controller	LW = Low	Ambient (Load 1)	3000	120	25
			Exam (Load 2)	7600	101	75
		HG = High	Ambient (Load 1)	4800	96	50
			Exam (Load 2)	7600	101	75
F3 = Reading, Ambient + Exam	Separately Circuited or LV3 = Independent Load Dimming Low Voltage Controller	LW = Low	Reading (Load 1)	1440	96	15
			Ambient (Load 1 + Load 2)	3300	94	35
			Exam (Load 1 + Load 2 + Load 3)	4800	96	50
		HG = High	Reading (Load 1)	1200	92	13
			Ambient (Load 1 + Load 2)	4800	96	50
			Exam (Load 1 + Load 2 + Load 3)	7600	101	75
	SD2 = Step Dimming (30-70-100%)	LW = Low	Reading (30%)	1440	96	15
			Ambient (70%)	3300	94	35
			Exam (100%)	4800	96	50
		HG = High	Reading (30%)	2280	99	23
			Ambient (70%)	5320	100	53
			Exam (100%)	7600	101	75
	LVD = Multi-load Dimming Low Voltage Controller	LW = Low	Reading (Load 1)	750	107	7
			Ambient (Load 2)	3000	120	25
			Exam (Load 3 - all on)	7600	101	75
		HG = High	Reading (Load 1)	1200	92	13
			Ambient (Load 2)	4800	96	50
			Exam (Load 3 - all on)	7600	101	75

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