COMPRO SERIES

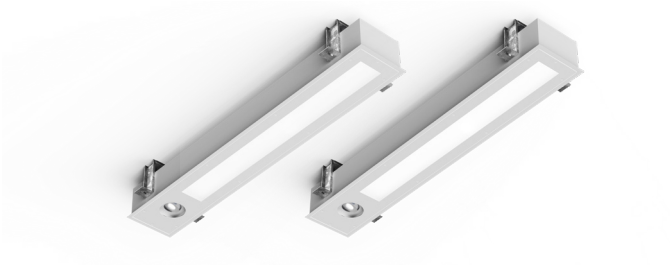
NewStarLighting

PROJECT: _____

TYPE: _____

PRODUCT: _____

APPROVED BY: _____



CPP Series

PRODUCT FEATURES

- Intended for Patient Rooms, Exam Rooms, Recovery Areas, Skilled Nursing and more
- Recommeded to be used in pairs adjacent to the patient bed. Sold individually. Must order a "left" and a "right" for a complete pair
- Provides ambient, exam, reading, and night light illumination.
- Fixture is certified to UL standards by Intertek Testing Laboratory. Suitable for damp locations
- This product is Made in America and complies with the Buy American Act, and the Build America, Buy America Act

ORDERING INFORMATION

Example: CPPG4R-HC/OC-L140-L240-2C-A-RI-LN-UN-DM1

CPP						L1	
Series	**Mounting** **G** = Grid **F** = Flange* *Flange shipped with yoke.	**Size*** **2** = 2ft. **4** = 4ft. *Nominal Size. Dimensional Data on Page 2.	**Position** **L** = Left **R** = Right *Recommended to be used in pairs adjacent to the patient bed. Will need to order both a Left & a Right for a complete pair.	**Housing** **HC** = 20Ga. CRS Painted **HS** = 20Ga. SS Brushed **HP** = 20Ga. SS Painted **HA** = 16Ga. Alum. Painted	**Doorframe** **Inset (I) or Overlap (O)** **OC** = 18Ga. CRS Painted **OS** = 18Ga. SS Brushed **OP** = 18Ga. SS Painted **OA** = 16Ga. Alum Painted **IA** = 16Ga. Alum Painted **IB** = 20Ga. SS Brushed **IC** = 20Ga. CRS Painted **IS** = 20Ga. SS Painted	**Ambient Lumen Output*** **L1** = Standard *Subject to change. Data on Page 3. Delivered lumens are for one unit, not a pair.	**Ambient Color Temp.** **35** = 3500K **40** = 4000K **50** = 5000K **BIOS Options:*** **BIOS Color Temp.**** B30 = 3000K B35 = 3500K B40 = 4000K **BIOS Tunable CCT**** BTW1 = 2700K-3500K BTW2 = 2700K-4000K *Choosing this, you must also pick a BIOS driver under the Options column (STC or DMB). **Please choose corresponding BIOS driver.

		2C				
Exam Lumen Output* **L1** = Low **L2** = Standard **L3** = High *Subject to change. Data on Page 3. Delivered lumens are for one unit, not a pair.	**Exam Color Temp.** **35** = 3500K **40** = 4000K **50** = 5000K	**Circuits** **2C** = 2 Circuits *Ambient and Exam section will have 2 circuits unless otherwise specified. Reading and/or Night Light supplied with an additional independent circuit.	**Lens** **A** = .125 Prismatic Acrylic **B** = .125 Prismatic Poly. **C** = .156 Prismatic Poly. **D** = .187 Prismatic Poly. **E** = .125 White Frost Poly.	**Reading Light*** **Blank** = No Reading **RI** = LED Integral Light* *Reading light is 3000K unless otherwise specified. Controlled via additional independent circuit unless otherwise specified.	**Night Light** **Blank** = No Night Light **LN** = Integral Night Light* *Night Light is 3500K unless otherwise specified. Controlled via additional independent circuit unless otherwise specified.	**Voltage** **12** = 120V **27** = 277V **UN** = Universal (120V-277V)

Driver
DM1 = 0-10V dimming with 1-100% range
STC = Static BIOS*
DMB = Dynamic BIOS Dimming**

*Only works with BIOS LEDs. 0-10V with Dimming from 1%-100%.
**Only works with BIOS LEDS. 0-10V Intensity Dimming to 1% and Dim-to-Dark capabilities.

Options
FZ1 = Fuse (120V)
FZ2 = Fuse (277V)
EL1 = Emergency Battery Low*
90 = 90 CRI (Ambient & Exam only)
TH = Torx Head screws (with center pin)
LV2 = Low Voltage Controller (Reading & Ambient)**
LV3 = Low Voltage Controller (Reading, Ambient & Night Light)**

*If stored, batteries should be fully recharged every six months and kept between 0°C-25°C to maintain optimal battery capacity.
**Pillow switch by others. One Low Voltage Controller is required per Pair unless otherwise specified. Leads are factory labeled.

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.

SPECIFICATIONS

HOUSING: 20-Gauge formed housing, seam welded and ground smooth. Available in aluminum, cold rolled steel, and stainless steel.

DOORFRAME: Inset and overlapping doorframe available in aluminum, cold rolled steel, and stainless steel.

LENS: Ambient and Exam lens available in .125" Prismatic Acrylic, and Prismatic Polycarbonate or White Frosted Polycarbonate options.

LED: Available in three color temperatures (3500K, 4000K and 5000K) with maximum 3-step MacAdam variation allowance. Minimum 50,000 hours with 70% lumen maintenance in a 25°C ambient temperature environment, compliant with IES LM-80 testing standards.

Optional BIOS® SkyBlue® circadian solutions to produce the healthy "blue sky" light signal with blue spectrum peak at 490nm+ for circadian entrainment. Bio-Dimming™ reduces CCT by 2700K.

ELECTRICAL: 120-277VAC 50/60Hz input, high power factor, constant current driver (<20% THD, >0.90 PF). Standard 0-10V dimming with 1-100% range for ambient and night light (if night light is selected). Ambient and Exam compartments default to 2 circuits (1 Ambient, 1 Exam) unless otherwise specified. Reading and/or Night Light each supplied with an additional independent circuit.

Optional BIOS driver options:
STC - BIOS control 0-10V with Dimming from 1%-100% and Dynamic Bios Dimming with 0-10V Intensity Dimming to 1% and Dim-to-Dark capabilities.

DMB - Dynamic BIOS control 0-10V with dynamic spectrum and BIOS SkyBlue® with Bio-Dimming™, which changes a spectral qualities by removing the SkyBlue component when dimming from 100%-51%, while light output remains relatively constant; CCT will decrease approximately 500K through bio-dimming; dimming from 50% to 1% will then reduce light output.

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 circuit. 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.

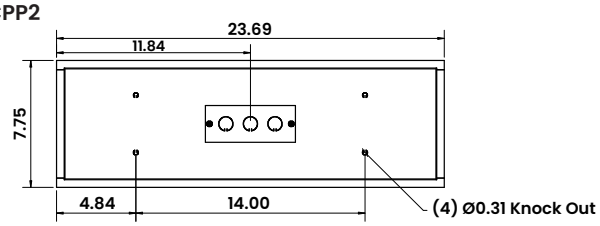
INSTALLATION: Grid or Flange installation. Flange fixtures are shipped with yoke and hardware to mount yoke to fixture.

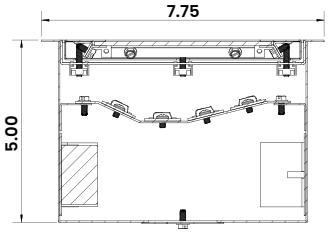
WARRANTY: 5 Year Warranty.

LABEL: Fixture is certified to UL standards by Intertek Testing Laboratories. Suitable for damp locations. This product is Made in America and complies with Buy American Act, and the Build America, Buy America Act.

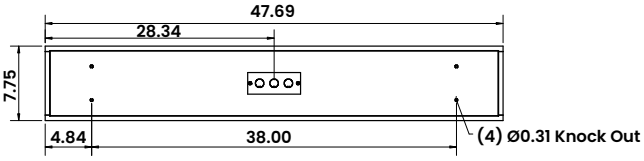
DIMENSIONAL DATA

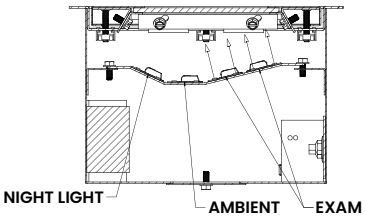
CPP2





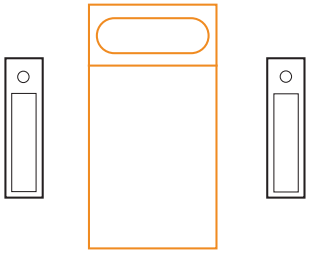
CPP4





ORDERING EXAMPLE

Sold as a single unit. Recommended to be used in pairs adjacent to patient bed. Order a "Left" and a "Right" for a complete pair (2 seperate line items). Consult factory with additional questions.



CPPG4-L
Left

CPPG4-R
Right

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PERFORMANCE DATA*

*Data for individual unit. Data is with 80 CRI chip. LEDs are frequently updated therefore values may change without notice.

MODEL	FUNCTION	OUTPUT	COLOR TEMP.	LUMENS DELIVERED	EFFICACY (lm/W)	INPUT POWER (W)
CPP2	Ambient	Standard (Prismatic Lens)	3500K	1100	88	12.5
			4000K	1150	92	12.5
			5000K	1200	96	12.5
		Standard (White Frost. Lens)	3500K	975	78	12.5
			4000K	1025	82	12.5
			5000K	1075	86	12.5
	Exam	Low (Prismatic Lens)	3500K	1250	96	13
			4000K	1300	100	13
			5000K	1350	104	13
		Standard (Prismatic Lens)	3500K	1700	94	18
			4000K	1750	97	18
			5000K	1800	100	18
		High (Prismatic Lens)	3500K	2100	91	23
			4000K	2150	93	23
			5000K	2200	96	23
		Low (White Frost. Lens)	3500K	1050	81	13
			4000K	1100	85	13
			5000K	1150	88	13
		Standard (White Frost. Lens)	3500K	1450	81	18
			4000K	1500	83	18
			5000K	1550	86	18
		High (White Frost. Lens)	3500K	1700	74	23
			4000K	1750	76	23
			5000K	1800	78	23
	Reading		3000K	200	50	4
CPP4	Ambient	Standard (Prismatic Lens)	3500K	2200	88	25
			4000K	2300	92	25
			5000K	2400	96	25
		Standard (White Frost. Lens)	3500K	1950	78	25
			4000K	2050	82	25
			5000K	2150	86	25
	Exam	Low (Prismatic Lens)	3500K	2500	96	26
			4000K	2600	100	26
			5000K	2700	104	26
		Standard (Prismatic Lens)	3500K	3400	94	36
			4000K	3500	97	36
			5000K	3600	100	36
		High (Prismatic. Lens)	3500K	4200	91	46
			4000K	4300	93	46
			5000K	4400	96	46

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PERFORMANCE DATA*

*Data for individual unit. Data is with 80 CRI chip. LEDs are frequently updated therefore values may change without notice.

MODEL	FUNCTION	OUTPUT	COLOR TEMP.	LUMENS DELIVERED	EFFICACY (lm/W)	INPUT POWER (W)
CPP4	Exam	Low (White Frost. Lens)	3500K	2100	81	26
			4000K	2200	85	26
			5000K	2300	88	26
		Standard (White Frost. Lens)	3500K	2900	81	36
			4000K	3000	83	36
			5000K	3100	86	36
		High (White Frost. Lens)	3500K	3400	74	46
			4000K	3500	76	46
			5000K	3600	78	46
	Reading		3000K	200	50	4

THIS ONLY PERTAINS TO BIOS PERFORMANCE DATA*

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MODEL	LOAD	OUTPUT	COLOR TEMP.	LUMENS DELIVERED	EFFICACY (lm/W)	INPUT POWER (W)
bios ILLUMINATED CPP2	Ambient	Prismatic	3000K	936	72	13
			3500K	949	73	13
			4000K	988	76	13
		White Frost.	3000K	832	64	13
			3500K	845	65	13
			4000K	884	68	13
bios ILLUMINATED CPP4		Prismatic	3000K	2028	78	26
			3500K	2054	79	26
			4000K	2210	85	26
		White Frost.	3000K	2002	77	26
			3500K	2028	78	26
			4000K	2132	82	26

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