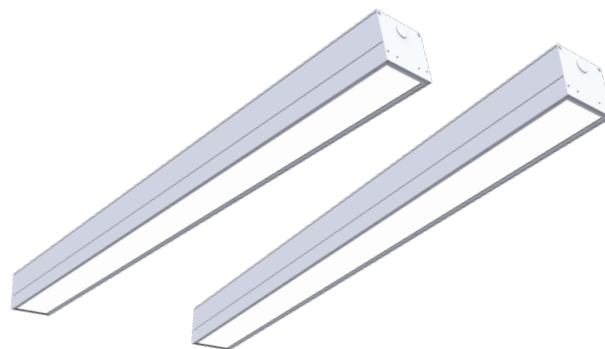


PROJECT: _____
 TYPE: _____
 PRODUCT: _____
 APPROVED BY: _____



CCL-PL Series

PRODUCT FEATURES

- Intended for patient and exam rooms with separate control for ambient, exam, reading and nightlighting
- Available in 4' & 6' lengths and ordered as a pair
- One-piece, die-formed, tool-less access door with no visible room-side fasteners
- Certified to UL standards by Intertek Testing Laboratory. IP65 rated per IEC60598. NSF2/Non-Food Zone Listed, IK10 Listed per IEC60068-2-75. IC-Rated housing.
- This product is Made in America and complies with the Buy American Act (BAA), and the Build America, Buy America Act (BABAA)

ORDERING INFORMATION

Example: CCL-PL72-M-TB9-L135-L135--A-SYM-RL-LN-C-80C-UN-DM1



CCL-PL				L1				
Series	Nominal Length*	Type M = Master S = Satellite	Ceiling Configuration TB9 = 9/16" Lay-In Grid TB15 = 15/16" Lay-In Grid TG9 = 9/16" Tegular Grid TG15 = 15/16" Tegular Grid FL = Flange ST = Screw Slot TM = Trimless Mud-In for 5/8" Drywall*	Ambient Lumen Output* L1 = Standard	Ambient Color Temp. 35 = 3500K 40 = 4000K 50 = 5000K Tunable White TW1 = 2700K to 5000K TW2 = 2700K to 6500K	Exam Lumen Output* L1 = Low L2 = Standard L3 = High	Exam Color Temp. 35 = 3500K 40 = 4000K 50 = 5000K	Outer Lens A = .125 Clear Poly.
				*Subject to change. Data on Page 3. Delivered lumens are for one unit, not a pair.				

Inner Lens SYM = Symmetric ASYR = Asymmetric Right ASYL = Asymmetric Left	Reading Light* blank = No Reading RI = LED Integral Light*	Night Light blank = No Night Light LN = Integral Night Light*	Finish AM = Antimicrobial White C = Custom Color*	CRI 80C = 80 CRI 90C = 90 CRI
	*Reading light is 3000K unless otherwise specified. Controlled via additional independent circuit unless otherwise specified.	*Night Light is 3500K unless otherwise specified. Controlled via additional independent circuit unless otherwise specified.	*RAL number required	

Voltage 12 = 120V 27 = 270V 34 = 347V* UN = Universal (120V-277V)	Driver Type DM1 = 0-10V Dimming with 1-100% range Tunable White Driver* TW0 = 2 CHANNEL 0-10V TWD = 2 CHANNEL DALI8	Options FZ1 = Fuse (120V) FZ2 = Fuse (277V) CP = Chicago Plenum Rated B(##) = 10 watt Battery Pack with test switch LV06 = Low Voltage Controller*
*347V only available with DMI Drivers.	*Tunable White Driver requires choice of TW1 or TW2 in Color Temp column.	*Specify for Master paired fixture. Click here for more information. Provides control of lighting from a pillow speaker, bedside rail or wall switch. Leads are factory labeled and are isolated from power feeds.



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: Extruded aluminum housing with gasketed end caps.

LENS: Clear polycarbonate outer lens with inner optical diffusion lens, providing either asymmetric or symmetric distribution.

DOORFRAME: One-piece, die-formed aluminum tool-less access doorframe with no visible room-side fasteners finished with antimicrobial white powder-coat finish.

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.

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 reading (if selected). Ambient and Exam compartments default to Low voltage controller unless otherwise specified. Night Light supplied as an additional independent circuit. When ordered as a pair, supply connections are located in the right unit as standard.

TUNABLE DRIVER OPTIONS:

TWO = 2 CHANNEL 0-10V one channel for brightness, one channel for CCT

TWD = 2 CHANNEL DALI8 one channel for brightness, one channel for CCT

LOW VOLTAGE CONTROL: LV06 specifies the Curbell LVC2000-06 low voltage controller. Standard configuration provides three low voltage control circuits per pair: LV circuit 1 controls Ambient as dimming, LV circuit 2 controls Reading as dimming, and LV circuit 3 triggers Exam mode and drives the Ambient and Exam functions to full brightness to provide the complete exam function. Night Light, when ordered, is wired as a separate line voltage circuit and is not controlled through LV06. One controller per pair is provided. Compatible with normally-open momentary dry contacts from pillow speakers, bedside rails, or wall switches. Other configurations are available - consult factory. Leads are factory labeled for field installation. Controls and any additional accessories by others.

FINISH: Antimicrobial white polyester powder finish following multi-stage iron phosphate pre-treatment on all exposed room-side surfaces. Custom finishes also available.

INSTALLATION: Recessed Grid, Screw Slot Grid, Drywall Flange, Drywall Flangeless and Mud-In Flange options.

WARRANTY: Five (5) year warranty.

LISTINGS: Fixture is certified to UL standards by Intertek Testing Laboratory. IP65 Rating per IEC60598. Certified for NSF2 Splash Zone/Non-Food Zones. IC-Rated housing. Optional CCEA compliance. This product is Made in America and complies with the Buy American Act (BAA), and the Build America, Buy America Act (BABAA).

DIMENSIONAL DATA

Mounting	Nominal Feet	4'
	Inches	(48")
	ST	47.875"
	TB9	47.87725"
	TB15	47.87725"
	TG9	47.875"
	TG15	47.5"
	NFL/TM	47.87725"

*Additional dimensional information on page 3



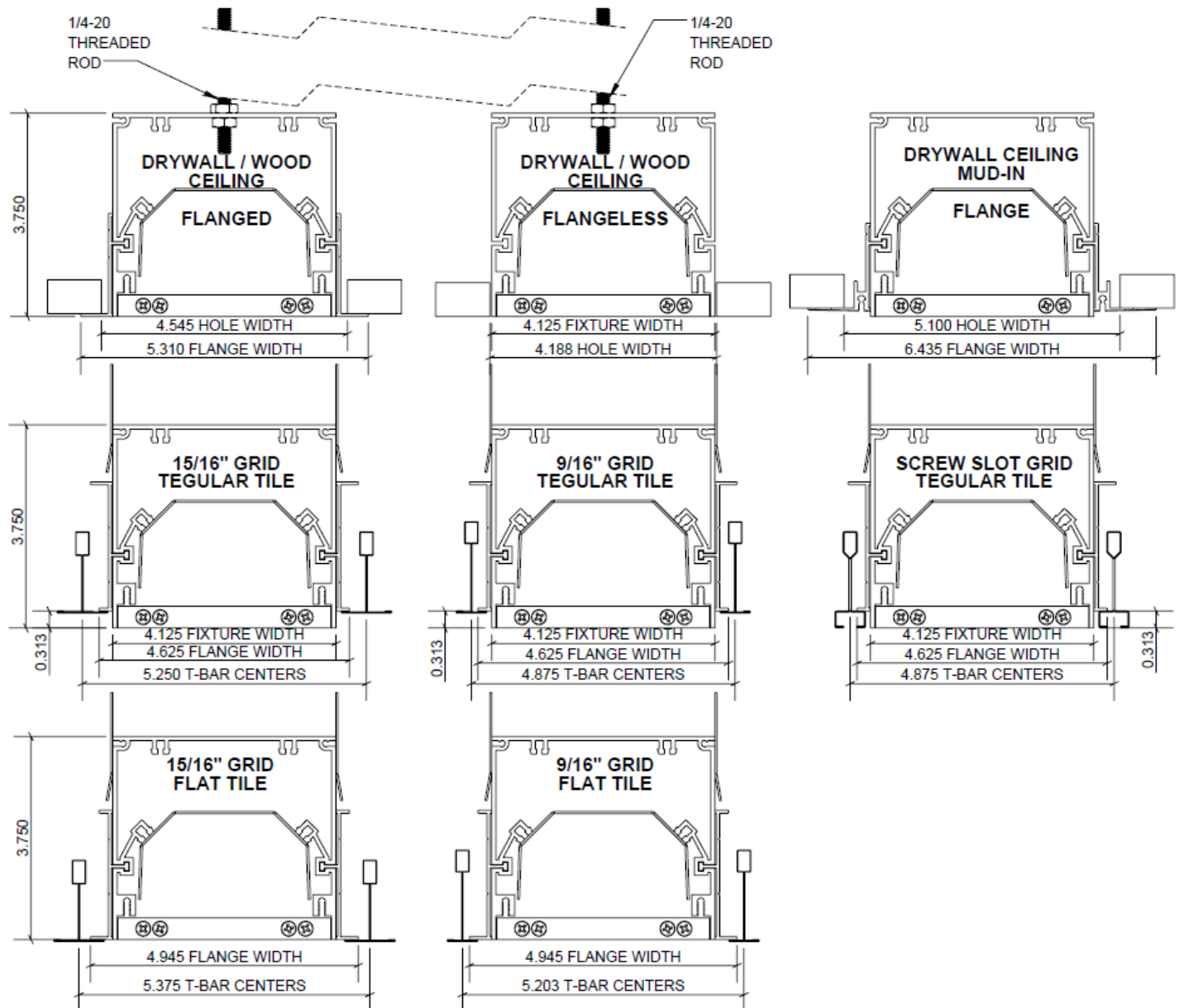
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DIMENSIONAL DATA (CONT.)



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PERFORMANCE DATA*

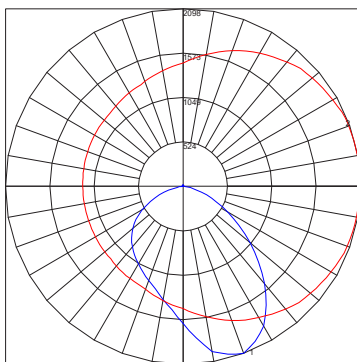
*Data is one fixture based on testing at 4000K with 80 CRI.

MODEL	FUNCTION	COLOR TEMP.	LUMENS DELIVERED	EFFICACY (lm/w)	INPUT POWER (W)
CCL-PL4	Ambient	3500K	2200	88	25
		4000K	2300	92	25
		5000K	2400	96	25
	Exam	3500K	4200	91	46
		4000K	4300	93	46
		5000K	4400	96	46
	Reading	3000K	200	50	4
CCL-PL6	Ambient	3500K	3300	88	37.5
		4000K	3450	92	37.5
		5000K	2400	64	37.5
	Exam	3500K	6300	91	69
		4000K	6450	93	69
		5000K	6600	96	69
	Reading	3000K	200	50	4

MULTIPLIERS

CRI	MULTIPLIER	CCT	MULTIPLIER
80 CRI	1	3000K	0.95
90 CRI	0.95	3500K	0.98

PHOTOMETRIC CURVE



Maximum Candela = 2097.809 Located At Horizontal Angle = 0, Vertical Angle = 20
 # 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
 # 2 - Horizontal Plane Through Vertical Angles (20) (Through Max. Cd.)

	Ambient		Exam	
	3' Around Bed	Bed Reading	3' Around Bed	Bed Reading
Avg. FC	19.91	44.06	37.31	82.38
Avg. to Min	2.77	2.76	2.76	1.78