

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



PRODUCT FEATURES

- Intended for patient and exam rooms with separate control for ambient, exam, reading and nightlighting
- Intended for patient and exam rooms
- Available in 4' & 6' lengths and ordered as a pair
- Extruded Aluminum housing and one piece, beveled fit aluminum door features continuous lens retention, integrated close cell gasketing and secured via tamper resistant Torx head 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)



DCL-PL Series

ORDERING INFORMATION

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



DCL-PL				L1				
Series	Nominal Length* 48 = 4' 72 = 6'	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	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 Tunable White TW1 = 2700K to 5000K TW2 = 2700K to 6500K	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	Outer Lens A = .125 Clear Poly.
Inner Lens ASYR = Asymmetric Right ASYL = Asymmetric Left		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* (3500K Standard) LNA = Integral Night Light-Amber *Night Light is 3500K unless otherwise specified. Controlled via additional independent circuit unless otherwise specified.		Finish AM = Antimicrobial White C = Custom Color* *RAL number required		CRI 80C = 80 CRI 90C = 90 CRI
Voltage 12 = 120V 27 = 270V 34 = 347V* UN = Universal (120V-277V) *347V only available with DMI Drivers.		Driver Type DMI = 0-10V Dimming with 1-100% range Tunable White Driver* TW0 = 2 CHANNEL 0-10V TWD = 2 CHANNEL DALI8 *Tunable White Driver requires choice of TW1 or TW2 in Color Temp column.		Options FZ1 = Fuse (120V) FZ2 = Fuse (277V) CP = Chicago Plenum Rated B(##) = 10 watt Battery Pack with test switch LV06 = Low Voltage Controller* *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; optional thru-wiring for end-to-end mounting.

LENS: Clear polycarbonate outer lens with inner asymmetric diffusion lens.

DOORFRAME: One-piece, die-formed aluminum, with antimicrobial white powder-coat finish, secured with tamper-resistant Torx® fasteners. Safety aircraft cable also secures doorframe to housing for easy maintenance.

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 roomside surfaces. Custom finishes also available.

INSTALLATION: Recessed Grid, Drywall Flange and Screw Slot Grid.

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

		Fixture Length		
		2'	3'	4'
		(24")	(36")	(48")
Mounting	ST	23.875	35.875	47.875
	TB9	23.87725	35.87725	47.87725
	TB15	23.87725	35.87725	47.87725
	TG9	23.875	35.875	47.875
	TG15	23.5	35.5	47.5

*Additional dimensional information on page 3



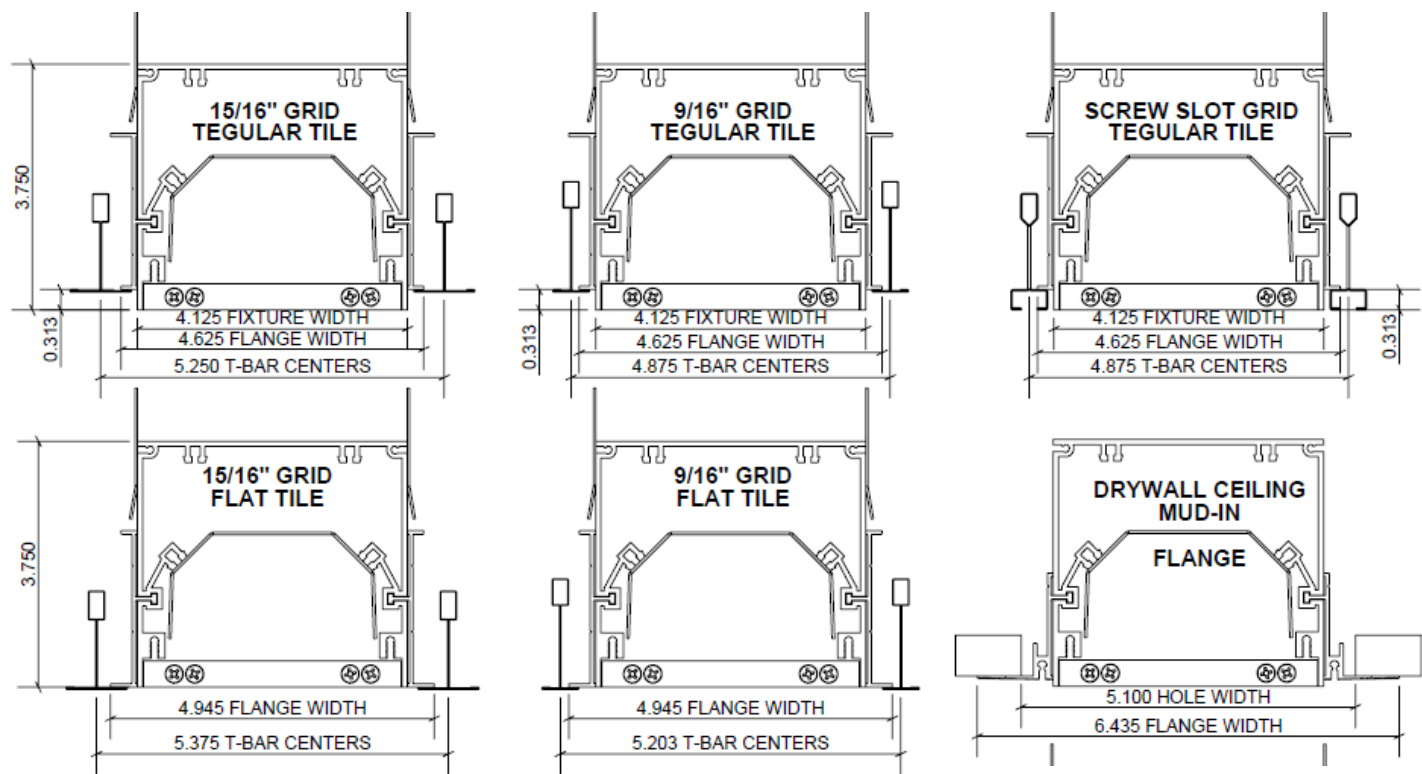
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DIMENSIONAL DATA (CONT.)



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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)
DCL-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
DCL-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

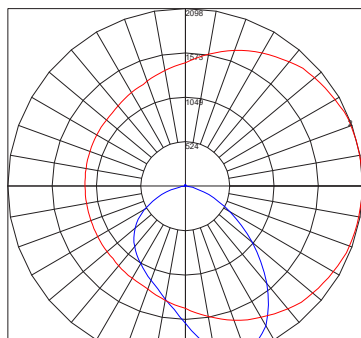
MULTIPLIERS

CRI	MULTIPLIER
80 CRI	1
90 CRI	0.95

CCT	MULTIPLIER
3000K	0.95
3500K	0.98

PHOTOMETRIC CURVE

IES INDOOR REPORT
PHOTOMETRIC FILENAME: DCL-PL48-X-X-L1-40-L3-40-2C-A-ASYM-X-LN-AM-80-UN-X-X HG EXAM.IES
POLAR GRAPH



	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



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