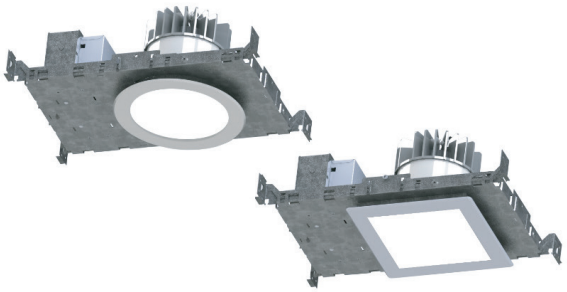
COMPLETECARE™ DOWNLIGHT SERIES

PROJECT: _____

TYPE: _____

PRODUCT: _____

APPROVED BY: _____



CCDL SERIES

PRODUCT FEATURES

- Intended for healthcare applications including Patient Rooms, Exam Rooms, Nurses' Stations, Lobbies and more
- 4" and 6" sealed recessed downlight, round or square aperture options
- Suitable for wet location installations, IP65 rated (from the room-side) per IEC60598. Optional IC-Rated housing per UL 1598 ISO Class 3 (Fed Std. 209E/ Class 1).
- Variety of wattages and lumen packages, up to 4000lm at 43W (6")
- This product is Made in America and complies with Buy American Act (BAA)

HOUSING ORDERING INFORMATION

Example: CCDL-4R-SD-UN-DM1

CCDL						
Series	**Aperture** **4** = 4 inch **6** = 6 inch	**Shape** **R** = Round **S** = Square	**Lumen Output*** **LW** = Low **SD** = Standard **MD** = Medium **HG** = High** **CL** = Custom Lumens*** *Subject to change. Performance data on page 3. **N/A with IC-rated version. ***Must be specified at time of quote. Must not exceed fixture maximum output.	**Voltage** **12** = 120V **27** = 277V **UN** = Universal (120V-277V)	**Driver Type** **DM1** = 0-10V Dimming with 1-100% range **DMT** = 0-10V & TRIAC/ELV* *Must specify with 120V. **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) **IC** = IC Rated Housing* **EM** = Emerg. Battery (Remote)** **W** = Wing Bracket **CCEA** = Chicago Plenum Compliant *Max 23W. **If stored, batteries should be fully recharged every six months and kept between 0°C-25°C to maintain optimal battery capacity.

TRIM ORDERING INFORMATION

Example: CCDL-4R-30-90C-F-C

CCDL							
Series	**Aperture** **4** = 4 inch **6** = 6 inch	**Shape** **R** = Round **S** = Square	**Color Temp.** **30** = 3000K **35** = 3500K **40** = 4000K **50** = 5000K **Tunable White*** **TW1** = 2700K to 5000K **TW2** = 2700K to 6500K *Must specify Tunable White Driver.	**Narrow Spectrum** **AMB** = Amber (585-595nm) **BLU** = Blue (470nm) **GN** = Green (530nm) **RD** = Native Red (630nm)	**CRI** **80C** = 80 CRI **90C** = 90 CRI* *N/A with 5000K. 90 CRI standard for Tunable White.	**Trim** **F** = Flange **T** = Trimless	**Trim Finish** **A** = .080 Alum. Painted **AM** = .080 Alum. painted Antimicrobial finish for all room side exposed surfaces

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.

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SPECIFICATIONS

HEAT SINK: Custom diecast aluminum heat sink design for maximum thermal dissipation.

FRAME-IN KIT: 20-gauge die-formed, galvanized steel. Vertically adjustable collar accommodates ceiling thicknesses up to 1.25", adjustable post-installation. Telescopic hanger bars standard, can be installed in either direction (wing bracket can be ordered as option) for installation with wood and steel frame joists and T-grid ceiling systems spaced up to 24" on center. Quick-access junction box accessible post-installation from above and below ceiling. Includes (7) 1/2" knock-outs to allow straight conduit runs.

TRIM: Low Copper , die-cast aluminum trim, provided with flange or optionally flangeless. Trim incorporates light engine, heat sink, LED module, and optical mixing chamber. Provided with torsion springs for IP65 rating.

OPTICAL: Round or square aperture with .060" clear impact-resistant acrylic lens.

ELECTRICAL: LED source available in multiple CCT and CRI combinations with a maximum 3-step MacAdam variation allowance. 120-277VAC, 50/60Hz electrical input with serviceable constant current driver (<20% THD, >0.90 PF). Minimum 85% driver efficiency. Standard 0-10V dimming with 1-100% range; 0.2mA maximum source current. Optional eldoLED ECOdrive DALI-2/ LEDcode2 driver with 1-100% range.

TUNABLE DRIVER OPTIONS:

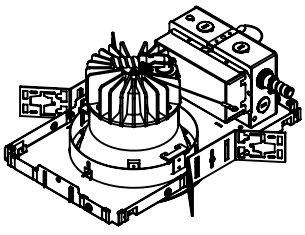
TW0 = 2 CHANNEL 0-10V one channel for brightness, one channel for CCT

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

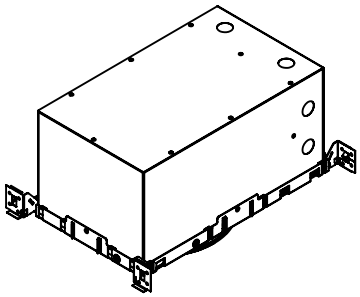
INSTALLATION: Recessed drywall and grid installation. Frame adjustable to ceiling thickness 0.5" to 1.25".

LABEL: Fixture is certified to UL standards for wet location installations. IP65 Rating per IEC60598. Certified for NSF2 Splash Zone/Non-Food Zones. ISO Class 3 (Fed Std. 209E/ Class 1). This product is Made in America and complies with Buy American Act (BAA).

NON-IC CONSTRUCTION



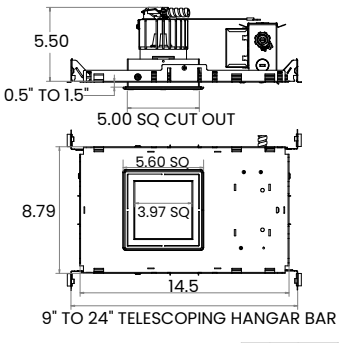
IC CONSTRUCTION



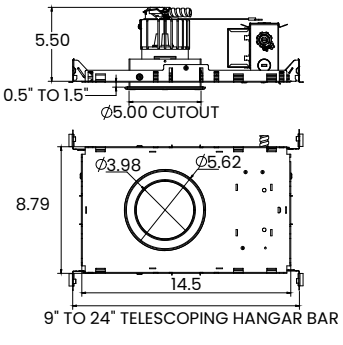
DIMENSIONAL DATA

4" DOWNLIGHT

4" SQUARE

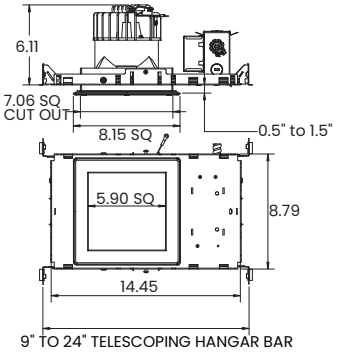


4" ROUND

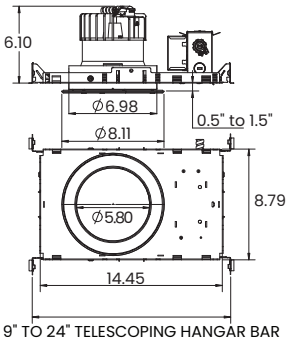


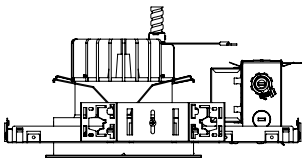
6" DOWNLIGHT

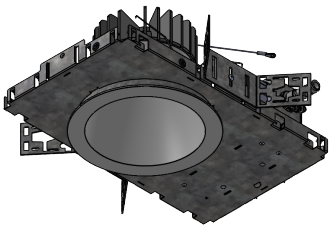
6" SQUARE

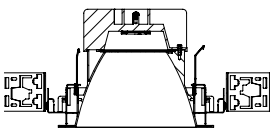


6" ROUND









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PERFORMANCE DATA

*Data is with 80 CRI chip at 4000K. 6IN Downlight Wide beam, 1500lm Engine, 115lm/W at 18.75W

MODEL	SHAPE	OUTPUT	LUMENS DELIVERED	EFFICACY (lm/W)	INPUT POWER (W)
CCDL4	R = Round	**LW** = Low	1260	84	14
		SD = Standard	1450	83	18
		MD = Medium	1650	81	21
		HG = High	2172	77	28
	S = Square	**LW** = Low	1257	84	14
		SD = Standard	1525	84	18
		MD = Medium	1750	83	21
		HG = High	2236	79	28
CCDL6	R = Round	**LW** = Low	1405	102	14
		SD = Standard	2081	103	20
		MD = Medium	2736	101	27
		HG = High	4181	96	44
	S = Square	**LW** = Low	1392	101	14
		SD = Standard	2070	102	20
		MD = Medium	2760	102	27
		HG = High	3990	96	42

MODEL	SHAPE	NARROW SPECTRUM	LUMENS DELIVERED	EFFICACY (lm/W)	INPUT POWER (W)
CCDL6	R = Round	**Red (630nm)**	631	27	23
		Blue (470nm)	647	21	31
		Green (530nm)	1390	45	31
		Amber (585-595nm)	367	33	11

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