

RECESSED BHCNC CONCAVE PATIENT ROOM LIGHT



READING

EXAM

AMBIENT



The **BHCNC** Series is an IC-Rated LED troffer with a centered concave diffuser with perimeter lighting. Available in 2x2 and 2x4 body sizes. It was designed for standard T-Grid applications. Architects find these fixtures especially functional for health-care facilities, schools, offices, government facilities, public offices, and all other commercial types of applications on the market today. This fixture's multi-use capability inspires its use in any area where energy efficiency is a must. Optional Low Voltage Controller (LVC) allows for patient/staff to easily control lighting remotely. The BHCNC Series of lay-in LED troffers were designed to be high quality, energy efficient LED fixtures for use in commercial applications, offices, government facilities, schools, and public areas.

CONSTRUCTION: The fixture can be recess mounted in a standard grid ceiling. The fixture is constructed of a heavy gauge cold rolled steel body. Housing embossed for maximum rigidity. Rounded side flanges for safe handling. Ballast cover snaps into housing to cover ballast and wires.

MOUNTING: The fixture can be recessed mounted in a standard grid ceiling.

OPTICAL SYSTEM: A centered concave diffuser constructed with a proprietary blend of LED acrylic and impact acrylic resins. Diffuser provides approximately 70% light transmission with excellent LED pixel hiding power. Standard 2-circuit configuration enables separate ambient and exam light usage. Additional options include a reading light and an amber light.

ELECTRICAL SYSTEM: 0-10V 1% dim-to-off Dimming Driver included standard. Long-life LED system rated for >100K life hours. Top mounted driver. 90 CRI is available as an option.

LISTINGS: Independently tested to IESNA LM-79 and LM-80 specifications ETL and cETL Listed. Damp location rated. IC-Rated for dry and damp locations. Manufactured in the USA. BAA and BABA compliant.

WARRANTY: 5-Year Limited Warranty. Complete warranty and terms located at www.aelnow.com/warranty.

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ORDERING INFORMATION

Example: BHCNC-24-ATTW-5000L-4000L-3000L-M-4

SERIES	SIZE	AMBIENT CCT	AMBIENT ILLUMINATION	EXAM CCT	EXAM ILLUMINATION	READING CCT	READING OUTPUT
BHCNC	22 2X2	27 2700K	2000L 2000 Lumens	27 2700K	2000L 2000 Lumens	27 2700K	2000L 2000 Lumens
	24 2X4	30 3000K	3000L 3000 Lumens	30 3000K	3000L 3000 Lumens	30 3000K	3000L 3000 Lumens
		35 3500K	4000L 4000 Lumens	35 3500K	4000L 4000 Lumens	35 3500K	4000L 4000 Lumens
		40 4000K	5000L 5000 Lumens	40 4000K	5000L 5000 Lumens	40 4000K	4000L 4000 Lumens
		50 5000K	6000L 6000 Lumens	50 5000K	6000L 6000 Lumens	50 5000K	XX Custom Lumens
			7000L 7000 Lumens		7000L 7000 Lumens		
CROSS: MCNCV			8000L 8000 Lumens		8000L 8000 Lumens		
			XX Custom Lumens		XX Custom Lumens		

MOUNTING	MOUNTING KIT OPTIONS	CIRCUITS	OPTIONS
G Grid	FK14 1x4 Flange Kit	2 2 Circuits	14EBL 14 Watt Emergency Ballast
F Flange	FK12 2x2 Flange Kit	3 3 Circuits	FW Flexible Armored Cable 6' 18/3
	FK24 2x4 Flange Kit	4 4 Circuits (required for reading light)	FW5 Flexible Armored Cable 5-Wire 18/5
	SMS14 1x4 Surface Mount Shroud		LVC Low Voltage Controller
	SMS22 2x2 Surface Mount Shroud		AMBNL Amber Night Light
	SMS24 2x4 Surface Mount Shroud		90 90 CRI
			AM Anti-Microbial Paint
			NL Night Light



AMBER



OUTPUT	DELIVERED LUMENS	SYSTEM WATTAGE	L70 @20C (HRS)
2000L	2000	12.5	>100K
3000L	3000	18.75	>100K
4000L	4000	25	>100K
5000L	5000	31.25	>100K
6000L	6000	37.5	>100K
7000L	7000	43.75	>100K
8000L	8000	50	>100K

ENERGY AND PERFORMANCE DATA

INPUT VOLTAGE	120/277VAC
SYSTEM INPUT POWER	25 - 100 WATTS*
DELIVERED LUMEN OUTPUT	2000 - 16000 LUMENS**
STANDARD DIMMING CONTROL	0-10V
CCT	3000K-5000K
CRI	82 (MINIMUM)
LIFE TIME RATING	100,000 HRS @ L70
INPUT FREQUENCY	50/60 HZ
POWER FACTOR	>0.9
OPERATING TEMP	-30° TO 50° C

*ACTUAL WATTAGE MAY DIFFER BY ±5% WHILE OPERATING 120/277V ±10%

**POSSIBLE LUMENS WITH MULTIPLE CIRCUITS ACTIVATED

