

Rubik™ is a revolutionary design vocabulary for the grid. Available in both Productivity and Rhythm ranges, Rubik Tunable White allows the color temperature to be adjusted for optimal occupant performance and experience. 3-cell, 5-cell, and 9-cell luminaires build traditional layouts or unique free-form fields of ambient illumination. Rubik Tunable White is one of four luminous styles offered, along with Static White, Grayscale, and Color Accent. All four luminous styles can be combined in a single ceiling design, and all deliver high quality volumetric lighting for practical performance and design impact. Mainstream Dynamic and nTune™ Technology make it simple with an all-digital control network.

Project:

Catalog Number:

DO NOT TYPE HERE. Autopopulated field.

Specification Features

Housing

9-cell (2' x 2'), 25 lbs.; 5-cell (2' x 2'- installer-cutout, 18 lbs.; 3-cell (8" x 2') 12 lbs. Fabricated of 20-gauge cold-rolled galvanized steel.

Finish

Painted after fabrication, high reflectance matte white.

Shielding

High-impact, 90% transmissive acrylic panes sonic welded to injection-molded bezel that provides rigidity across the frame length. Precision-formed steel baffles, powder coated 93% reflectivity white, prevent cell-to-cell light leakage.

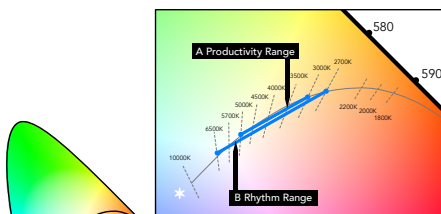
Mounting

Recessed. Available 9/16" and 15/16" flat, 9/16" screw slot or 9/16" narrow and 15/16" standard tegular.

A+ Capable Luminaire

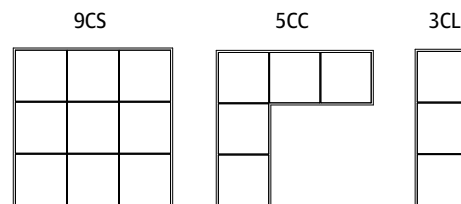
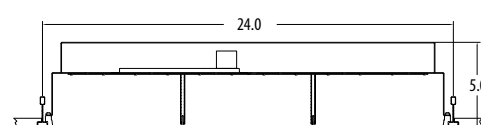
This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® control networks when ordered with drivers marked by a **shaded background***



A Productivity Range 3000K to 5000K

B Rhythm Range 2700K to 6500K



Tunable White GPHD

- Gamut:** One dimensional warm-Cool
- Path:** Direct 3000K to 5000k (Productivity Range) or 2700K to 6500K (Rhythm Range)
- Handle:** Two Natural Language Handles: Intensity and CCT
- Data:** nLight with nTune technology for both handles of control



A+ Capable options indicated by this color background.



Ordering

Example: RUBIK 9CS DF 90CRI TUWH PROR 240LM DARK NLT 277

Series		Size		Ceiling Trim		LED Color Rendering		Dynamic Feature		Dynamic Range		LED Output ²	
RUBIK		9CS	9 cell square	DF ¹	Tegular tee slot	80CRI	80+ CRI	TUWH Tunable white		PROR	Productivity range (3000-5000K)	240LM	240 nominal lumens per cell
		5CC	5 cell corner	G9	9/16" inverted tee	90CRI	90+ CRI			RHYR	Rhythm range (2700-6500K)	360LM	360 nominal lumens per cell
		3CL	3 cell linear	G15	15/16" inverted tee					440LM	440 nominal lumens per cell		
Minimum Dimming Level				Voltage		Emergency Options				Control Interface Type		Options	
DARK	Constant current, dimming to < 1%			120	120V	E10W ⁴	10-watt emergency battery pack			NLT	nLight with nTune interface	CP	Chicago plenum
				277	277V	BGTD ^{5,6}	Bodine Generator Transfer Device			NLTEMG ³	nLight with nTune for use with generator supply EM power.		
				347	347V								
						Notes							
						1. Available for 9/16" grid only.				3. NLTEMG option requires a connection to an existing powered nLight network.		5. Must specify 120V or 277V. Bodine GTD provided. When ordered with ZT, consult project electrical engineer to ensure proper functionality.	
						2. See table for delivered lumens/fixture.				4. Emergency battery assembly remote mount with test switch.			
												6. If nLight is required, must also select NLTEMG.	



Specification Features (continued)

- This luminaire is part of an A+ Certified solution for nLight control networks, providing advanced control functionality at the luminaire level, when selection includes driver and control options marked by a **shaded background***

To learn more about A+, visit www.acuitybrands.com/aplus.

*See ordering tree for details

LED Life

Rated >=50,000 hours (L70) at 25 °C ambient temperature. Rated > 36,000 hours. (L90) at 25 °C ambient temperature.

Color Consistency

The Acuity Brands circuit boards for the linear LED components use a precise binning algorithm which creates a consistent color temperature from board to board. Color variation is no greater than a 2.5 Step MacAdam (2.5SDCM) along the black body locus from board to board.

(<5 step Productivity Range; <8 step Rhythm Range)

Driver

elDoLED constant current driver options delivers ultra-smooth dimming resolution from 100% to <1%, while assuring flicker free, low current inrush, 89% efficiency and low EMI.

Mainstream Dynamic Tunable White with nTune Technology

nTune is an all digital light color temperature control within an nLight enabled luminaire. This brings tunable white lighting control into the mainstream with repeatable, consistent results in an economical luminaire form and system for everyday applications. Designers and facility operators are granted the freedom to tie scenes to specific activities or to complement colors or materials within a visual environment.

Certification

UL Certified to meet U.S. and Canadian standards, rated for Chicago Plenum, damp locations. Assembled in the USA.

Warranty

5-year limited warranty. Complete warranty terms located at:

www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Note: Actual Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25 °C.

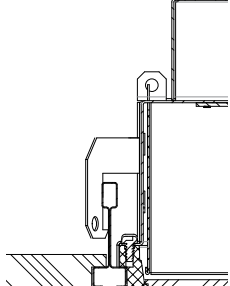
Specifications subject to change without notice.

Buy American

This product is assembled in the USA and meets the Buy America(n) government procurement requirements under FARS, DFARS and DOT. Please refer to www.acuitybrands.com/buyamerican for additional information.

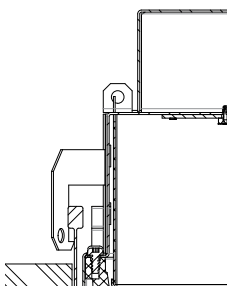
Ceiling Trim

DF



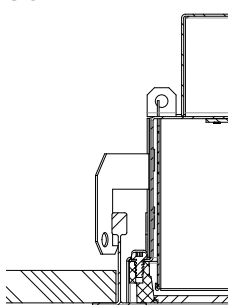
DF shown with 9/16 slot grid and tegular tile

G9



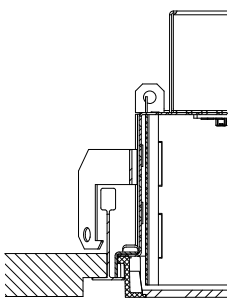
G9 shown with 9/16 inverted tee and flat tile

G15



G15 shown with 15/16 inverted tee grid and flat tile

DF



DF shown with 9/16 inverted tee grid and tegular tile

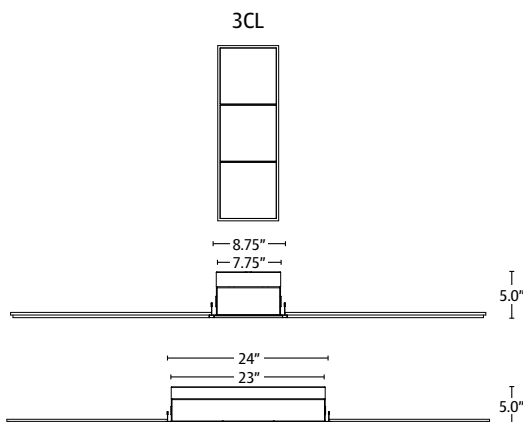
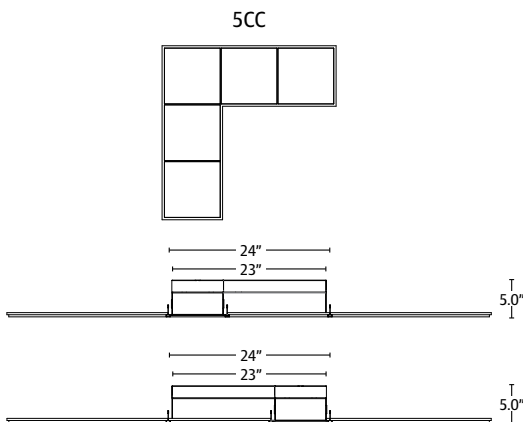
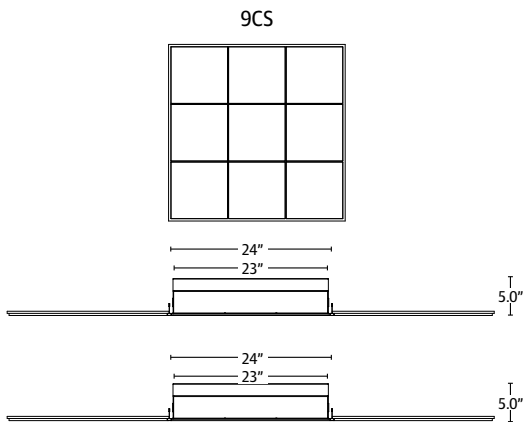


Fixture Performance

Dynamic Range	LED Output	CRI	Nominal CCT	Lumens Per Cell	Total Lumens			Lumens Per Watt		
					9CS	5CC	3CL	9CS	5CC	3CL
Productivity (3000K - 5000K)	240 LM	80	3000K	246	2218	1208	732	108	106	101
			4000K	210	1894	1030	623	112	110	105
			5000K	238	2148	1170	708	112	109	105
	240 LM	90	3000K	194	1752	954	578	85	83	80
			4000K	170	1600	871	527	95	92	88
			5000K	203	1836	999	604	96	93	89
	360 LM	80	3000K	384	3460	1884	1120	109	108	101
			4000K	328	2954	1607	955	112	111	104
			5000K	372	3350	1790	1083	110	109	101
	360 LM	90	3000K	303	2733	1488	984	86	85	79
			4000K	259	2496	1357	821	96	94	90
			5000K	318	2864	1558	942	94	95	88
	440 LM	80	3000K	490	4413	2355	1380	112	109	101
			4000K	418	3768	2008	1174	112	109	104
			5000K	474	4274	2281	1335	117	112	104
	440 LM	90	3000K	387	3486	1860	1090	88	86	80
			4000K	330	3184	1732	1048	98	97	94
			5000K	406	3564	1938	1173	98	95	92
Rhythm (2700K - 6500K)	240 LM	80	2700K	232	2091	1137	688	102	99	95
			4000K	230	2072	1127	682	107	105	100
			6500K	242	2182	1187	718	113	110	106
	240 LM	90	2700K	185	1672	909	550	82	79	76
			4000K	194	1750	952	576	91	88	85
			6500K	208	1876	1020	617	97	95	91
	360 LM	80	2700K	362	3262	1776	1073	101	98	101
			4000K	352	3170	1724	1043	104	101	104
			6500K	370	3338	1816	1098	110	107	110
	360 LM	90	2700K	290	2609	1419	858	80	78	86
			4000K	297	2678	1456	881	88	86	88
			6500K	319	2870	1561	944	94	92	94
	440 LM	80	2700K	462	4161	2263	1369	102	101	100
			4000K	449	4040	2197	1329	105	105	105
			6500K	457	4115	2238	1354	107	107	106
	440 LM	90	2700K	369	3328	1810	1095	81	81	80
			4000K	379	3413	1856	1123	89	88	88
			6500K	393	3538	1924	1164	92	91	91



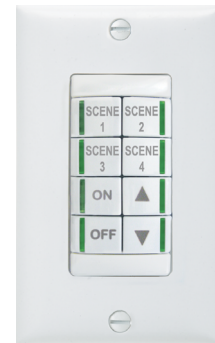
Technical Drawing



Suggested Wall Pods (order separately)



nPODM 2P DX CCT



nPODM 4S DX



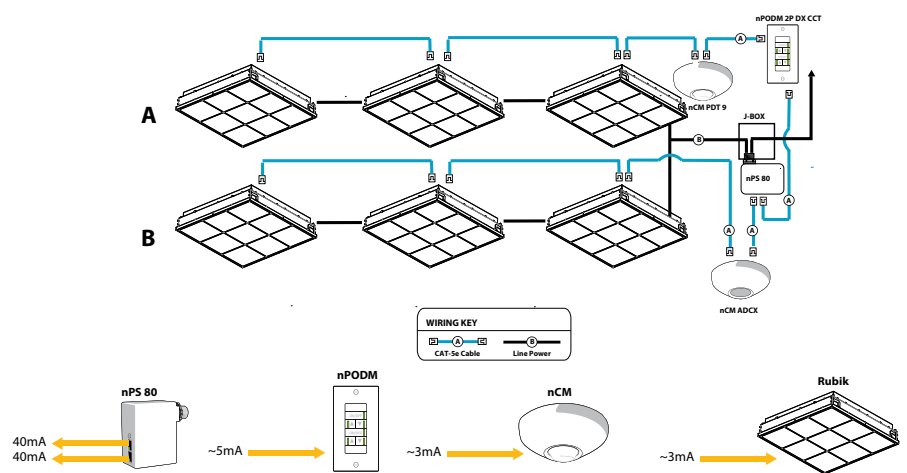
nPODM 4S

Fresco touchscreen



*Compatible with all nLight WallPods

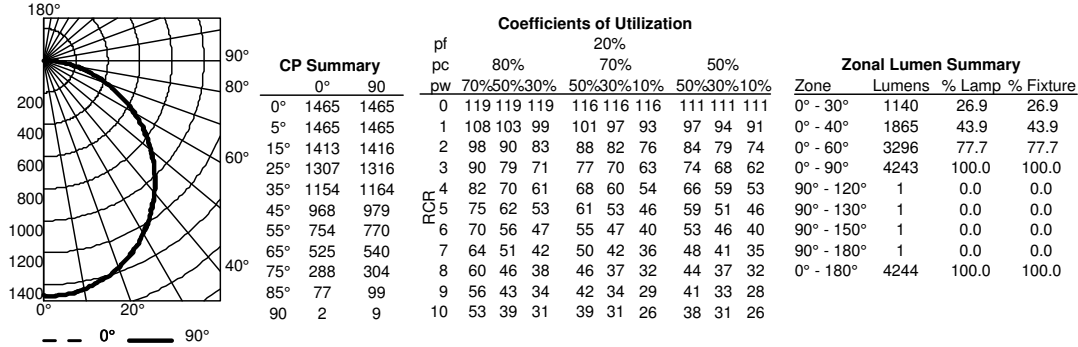
Typical nLight Network Layout



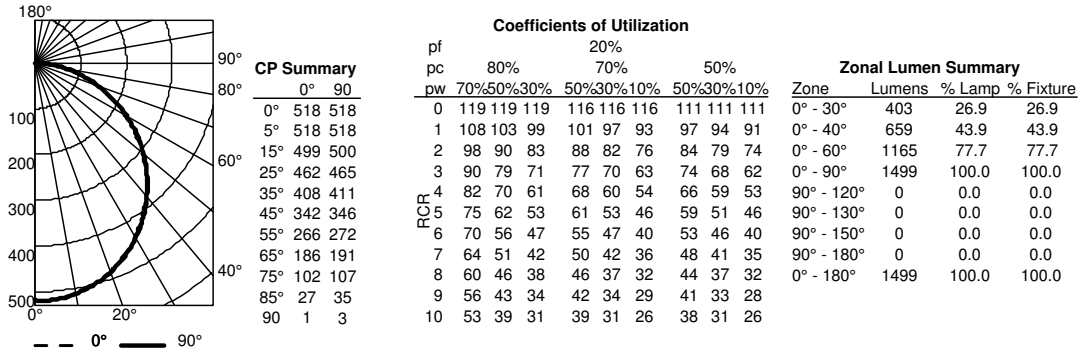


Photometrics

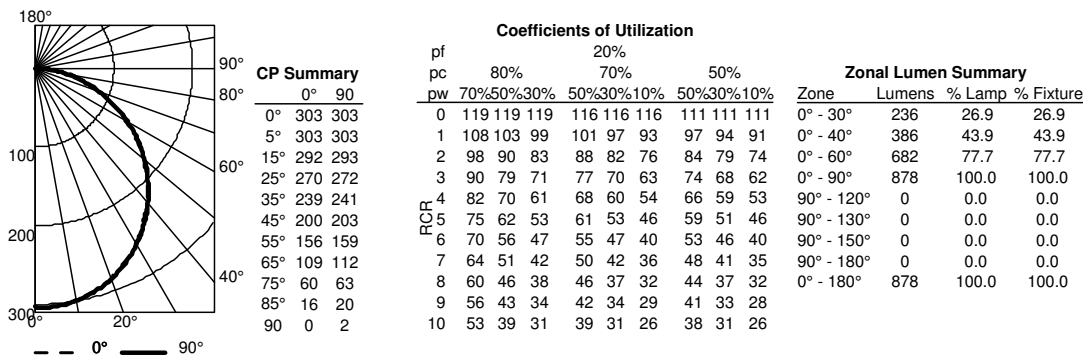
RUBIK 9CS 80CRI TUWH PROR 440LM @3000K, 4244 delivered lumens, 37.6 watts, Test no. ISF 31536P61, tested in accordance to IESNA LM-79



RUBIK 5CC 80CRI TUWH PROR 440LM @3000K, 1500 delivered lumens, 20.6 watts, Test no. ISF 31536P97, tested in accordance to IESNA LM-79



RUBIK 3CL 80CRI TUWH PROR 440LM @3000K, 878 delivered lumens, 12.6 watts, Test no. ISF 31536P79, tested in accordance to IESNA LM-79





Visit <http://www.visual-3d.com/tools/rubik/> for interactive Rubik Design Layout Tool.

