

FEATURES

- Smallest adjustable architectural cove product on the market
- Adjustable from 0–30° in 8 increments for varying cove heights & applications
- Hot-aim, tool-less adjustable optics for adjustment while installed
- Designed for field-built installations. Optional extruded cove systems available
- 2SDCM color variation for close-to-wall applications
- TriGain Technology provides superior color quality without compromising efficacy
- Variable Intensity technology provides a range of specifiable outputs/wattages



CONTROL TECHNOLOGY



SPECIFICATIONS

HOUSING CONSTRUCTION

- 1 7/8" x 3 1/8" compact cross section housing and LED module are 6063 T5 extruded aluminum
- Dual purpose formed 20GA prepaint steel reflector also serves as wireway cover
- Housing ends provided with 7/8" diameter hole
- Continuous row mounted fixtures are tool-less joined by a tinnerman clip from above
- Finished components are powder-coat. Cove30 available in Matte White (WHS)
- Field built coves (by others) should allow for minimum 2" wide by 3.5" tall cross-section. Distance between top of finished cove and ceiling should be greater than 6"
- Optional cove system available. Knife edge aluminum extrusion profiles available as smooth (KS) or plaster mud-in (KP), powder-coated to specification, and can be cut in field to fit. Welded corners and end caps available
- Approximate weight of fixture is 2lb/ft

OPTICS

- For maximum performance, wall and ceiling above cove should have matte surfaces with high reflectances
- Manually adjust the gear tray to the desired angle along 8 set points.

OPTICS (CONTINUED)

- LED module adjusts tool-less to aim peak intensity / overall distribution to tailor desired result on surrounding walls and ceilings regardless of cove height. Module is adjustable before or after final installation, while energized
- Slightly frosted extruded acrylic diffuser creates soft transitions and eliminates color over angle separation
- 30° vertical adjustment range along 8 set points. At lowest position, peak intensity is at 117°
- Mount horizontally as far from room side as cove cavity will allow

ELECTRICAL

- Variable Intensity (VI) technology allows precise specification of fixture output/wattage. Fixture will be programmed and labeled to specification
- Current's patented TriGain® phosphor delivers 90 CRI color quality at 80 CRI efficacy
- 2 SDCM color consistency, 90 CRI
- Integral solid state constant current dimming driver. 1% and 5% options for 0–10V controls
- Drivers are UL Class 2, inherent short circuit and overload protection. RoHS compliant
- Fixture wired for a single circuit. Nightlight (NL) option available.
- LED boards and drivers can be accessed and removed from fixture while installed
- LED rated life L85 @ >60,000 hours (TM-21-22)

COVE30



NX Controls

ELECTRICAL (CONTINUED)

- Optional 6" or 24" flexible whip (WKC) kits available that can be cut to length in field
- NX Lighting Controls provides options for standalone and networked integrated sensor with wired or wireless connectivity for NX system deployments.
- SpectraSync™ Color Tuning Technology: Control your space based on the needs of the application, specific activities throughout the day and preferences of the occupants

CERTIFICATIONS

- cCSAus certified to UL 1598
- Suitable for damp locations
- IBEW
- AF of L
- This product meets federal procurement law requirements under the Buy American Act (FAR 52.225-9) and Trade Agreements Act (FAR 52.225-11). [See Buy America\(n\) Solutions.](#)
- Install in environments where ambient temperature does not exceed 25°C.

WARRANTY

- 5 year warranty

KEY DATA	
Output Range	300–1000 Lm/ft
SDCM	2
Efficacy Range	108–127
Rated Life	L85 @ >60,000

ORDERING GUIDE

Example: 30-CC-AI-24-8-WHS-35K9-I050-D01-UNV

CATALOG #

30	CC	AI			WHS
Series	Mounting	Fixture Distribution	Row Length (in Feet)	Max Length in Row	Finish
30 Series	CC Concealed Cove	AI Asymmetric Indirect	— Enter in foot increments	2' 24", 610mm 3' 36", 914mm 4' 48", 1219mm 5' 60", 1524mm 6' 72", 1829mm 8' 96", 2348mm	WHS Matte White NPC Non Powder Coated

CRI/CCT	Output	Driver	Voltage
27K9 2700K, 90 CRI	I030 300 (min)	D01 1% Dimming, 0–10V	UNV Universal Voltage (120V through 277V)
30K9 3000K, 90 CRI	to	D05 5% Dimming, 0–10V	347 347 Volt ¹
35K9 3500K, 90 CRI	I00 1000 (max)		
40K9 4000K, 90 CRI			
2765T 2700K–6500K SpectraSync™ Tunable White ^{1,2}			

OPTIONAL

Nightlight ³	Accessories	Controls ⁴
NL Nightlight Circuit Required. Enter Quantity	WKC6 6" Corner Wiring Kit WKC24 24" Corner Wiring Kit	NX Networked - Wired NXE NX Wired Dual RJ45 SmartPORTS, without Sensor

Notes:

- 1 Additional lead time may be applicable. Contact brand representative for information
- 2 Must be ordered with D05 Dimming option
- 3 Enter quantity:
2NL = 2 nightlight circuits/row
- 4 Refer to Controls section for Functionality of Options

OPTIONAL COVE SYSTEM (ORDERED SEPARATELY)

Example: CS-KS-30-WHS-2IC-EC

CATALOG #

CS					
Series	Cove Style	Length ¹	Finish	Patterns	Options
CS Cove System	KS Knife-Edge KP Knife-Edge, Plaster Mud-In	— Enter row length in foot increments	WHS Matte White GYS Gray BLS Black CC Custom	IC90 90° Inside Corner OC90 90° Outside Corner	EC End Cap Kit

Notes:

- 1 Extrusion will be shipped in 4' and 8' lengths. Sections may be field cut to Finished dimension requirements

CONTROLS

NX Lighting Controls:



		CONTROL OPTION FUNCTIONALITY								Control Option Programming
		Networkable	Stand Alone Grouping	Scheduling	Occupancy /Motion	Daylight Harvesting	1-10V Dimming	On/Off Dimming	Bluetooth® App Integration	
NXE	NXE Wired Dual RJ45 SmartPORTS, Without Sensor	Yes	Yes	Yes	-	-	Yes	Yes	Yes ¹	NXDSP

Notes:

¹ Requires NXBTC, order separately

SpectraSync™ Color Tuning Technology:

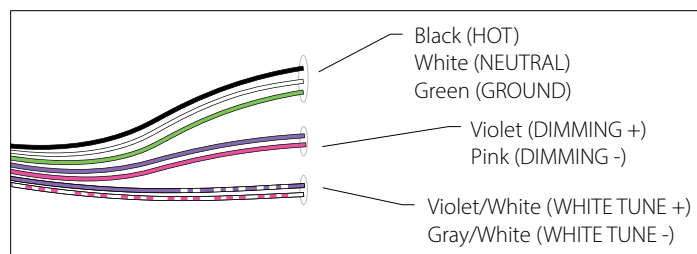
Control your space based on the needs of the application, specific activities throughout the day and preferences of the occupants with distinct SpectraSync™ Color Tuning Technologies.



SPECTRASYNCH COLOR TUNING TECHNOLOGY		
Mode	Kelvin Range	Description
Tunable White	2700K-6500K	Offers users the ability to tailor CCT to their personal preference, enhancing task visibility, material and colors or the aesthetics of the space
Scheduled White	2700K-6500K	Mimics the rhythm of natural light or follows an alternative user-defined schedule throughout the day, enhancing an occupant's mood and well-being

SpectraSync Tunable White

Available in 2765T (2700K-6500K). Requires two 0-10V controllers, one for intensity and one for CCT. Minimum 5% dimming.

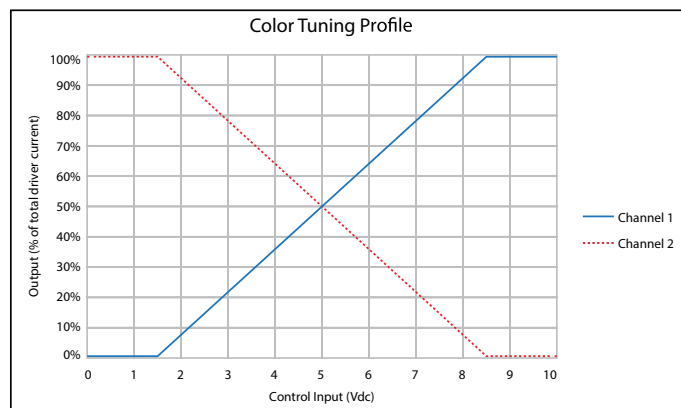


SpectraSync Tunable White luminaires are provided with two 0-10V circuits. The violet and pink circuit is for wiring to any qualified 0-10V controller for dimming. The violet/white and gray/white circuit is for wiring to any qualified 0-10V controller for Tunable White CCT control.

Controller Manufacturer Data

SpectraSync Tunable White was designed to be used with sinking style dimmers (provided by others) and is compatible with:

- Current: NX Lighting Controls Room Controllers (NXRCFX2) and In-fixture Controllers (NXFM2)
- Lutron: DDTV, DVSTV and NDTV dimmers
- Wattstopper: ADF120277 and CD4BL (Titan) dimmers



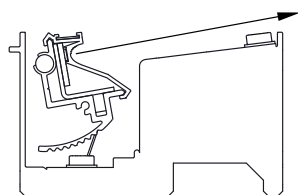
PERFORMANCE DATA TABLE

Performance data provided below based on 90 CRI, 3500K with module set to adjustment Position 3.

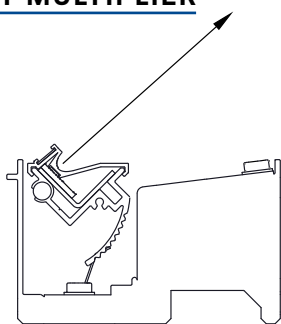
Nomenclature	Lumens/Ft	Wattage/Ft	Efficacy
I030	300	3	120
I035	350	3	121
I040	400	3	122
I045	450	4	122
I050	500	4	122
I055	550	5	122
I060	600	5	121
I065	650	6	121
I070	700	6	120
I075	750	7	120
I080	800	8	119
I085	850	8	118
I090	900	9	118
I095	950	9	117
I100	1000	10	116

ADJUSTABLE OPTIC OUTPUT MULTIPLIER

Module adjusts 30° along 8 set points.



Module in Position 1



Module in Position 8

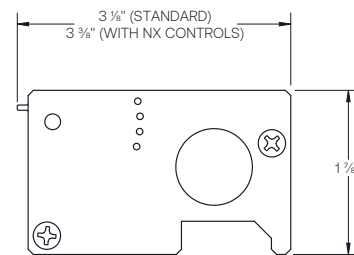
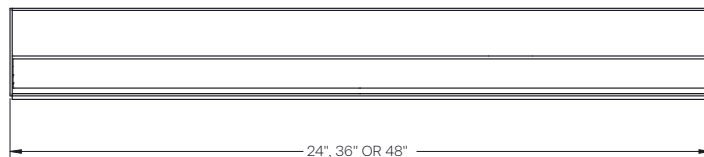
Output Multiplier Table

Option	2700K	3000K	3500K	4000K
Multiplier	0.89	0.96	1.0	1.0

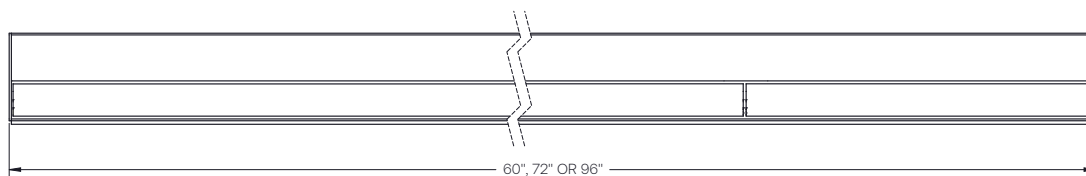
	Peak Intensity	Output Multiplier
Position 1	117°	0.95
Position 2	120°	0.98
Position 3	125°	1.00
Position 4	128°	1.02
Position 5	130°	1.03
Position 6	138°	1.04
Position 7	140°	1.04
Position 8	145°	1.04

DIMENSIONS

2FT, 3FT & 4FT FIXTURES
(SINGLE GEARTRAY)



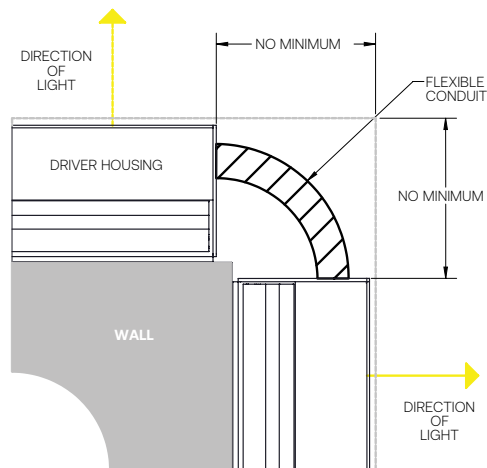
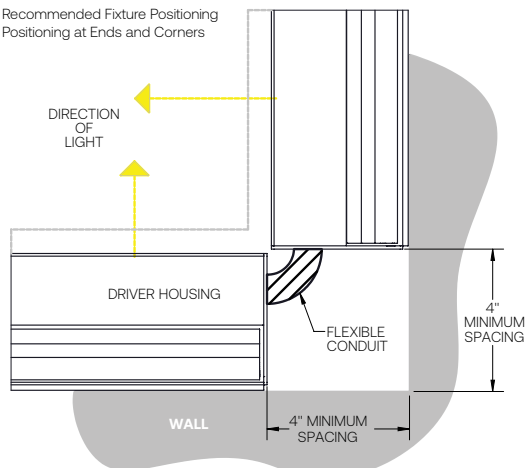
5FT, 6FT & 8FT FIXTURES
(DOUBLE GEARTRAY)



CONTROLS STARTER FIXTURE
(4" ADDITIONAL LENGTH)

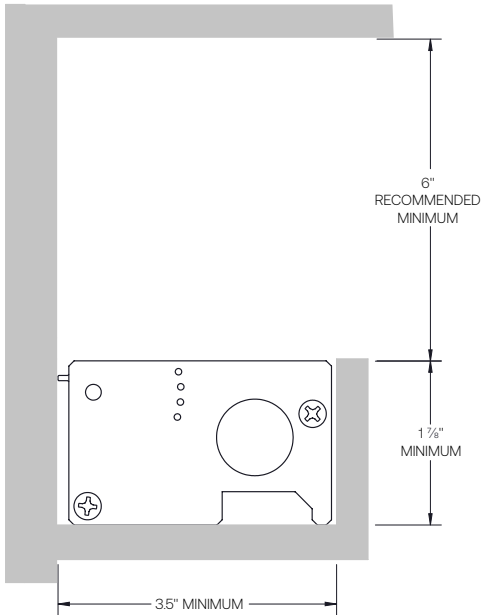


Recommended Fixture Positioning
Positioning at Ends and Corners

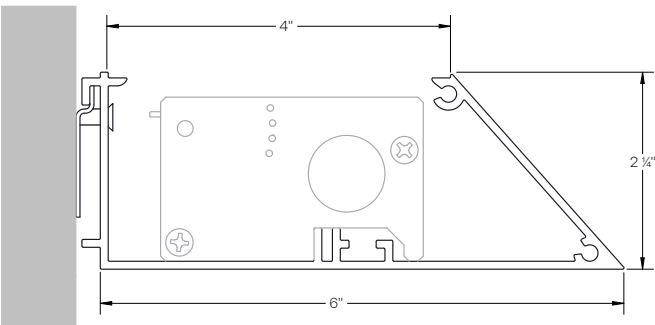


DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

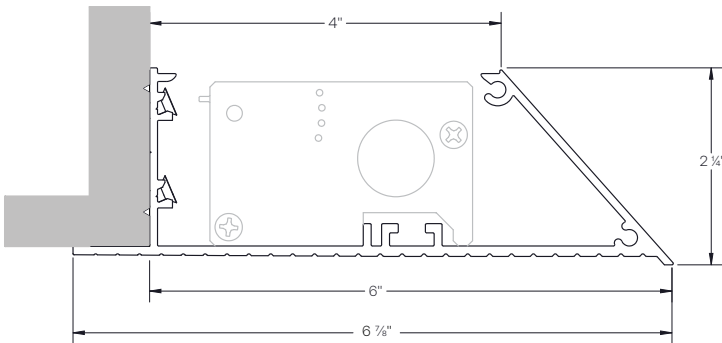
DIMENSIONS CONTINUED



**Field Built Cove
(By Others)**



Knife-Edge (KS)



Knife-Edge, Mud-In (KP)

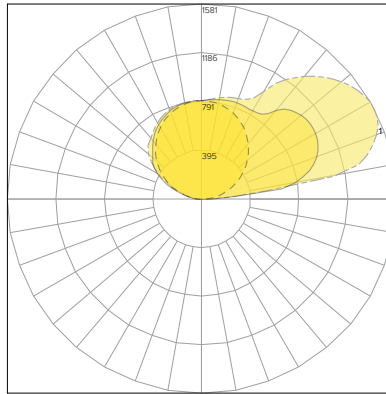
PHOTOMETRY

30-CC-AI-4-35K9-I100 POSITION 1

LUMINAIRE DATA

Test No.	23.01146
Description	Cove30 Linear Indirect: Lowest Adjustment
Delivered Lumens	3791
Watts	35W
Efficacy	110
Mounting	Concealed Cove

POLAR GRAPH



Maximum Candela = 3201.3 Located At Horizontal Angle = 45, Vertical Angle = 2.5

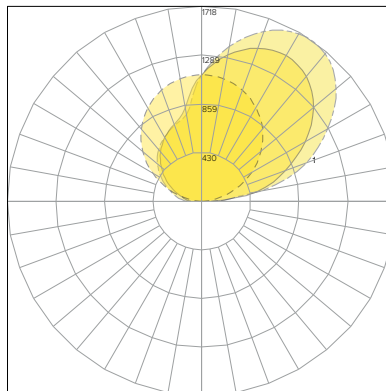
--- Vertical Plane Through Horizontal Angles (0°~180°)
--- Vertical Plane Through Horizontal Angles (45°~225°)
--- Vertical Plane Through Horizontal Angles (90°~270°)

30-CC-AI-4-35K9-I100 POSITION 8

LUMINAIRE DATA

Test No.	23.01153
Description	Cove30 Linear Indirect: Highest Adjustment
Delivered Lumens	4171
Watts	35W
Efficacy	121
Mounting	Concealed Cove

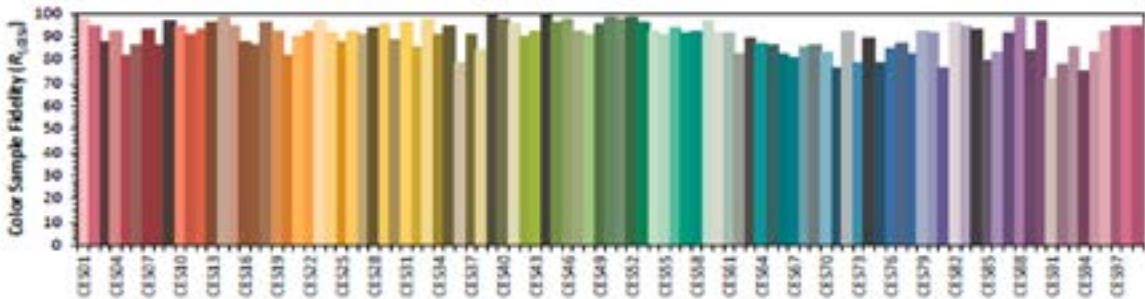
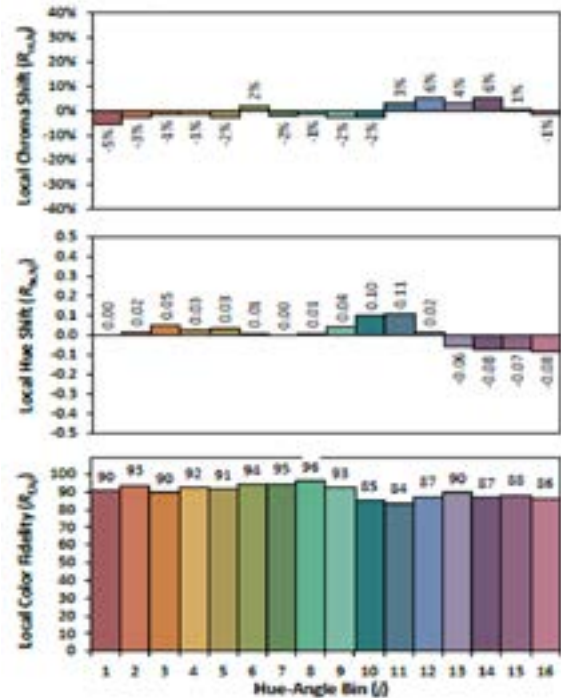
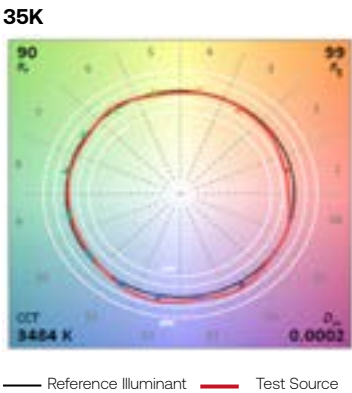
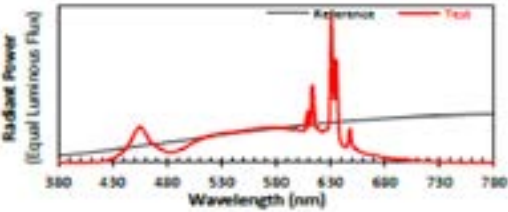
POLAR GRAPH



Maximum Candela = 3201.3 Located At Horizontal Angle = 45, Vertical Angle = 2.5

--- Vertical Plane Through Horizontal Angles (0°~180°)
--- Vertical Plane Through Horizontal Angles (45°~225°)
--- Vertical Plane Through Horizontal Angles (90°~270°)

ANSI/IES TM-30-18 COLOR RENDITION REPORT



Notes

This is a recommended method for displaying ANSI/IES TM-30-18 information.

x	0.4065	CIE 13.3-1995 (CRI)	
y	0.3917		
u'	0.2360	R _a	94
v'	0.5119	R _g	69