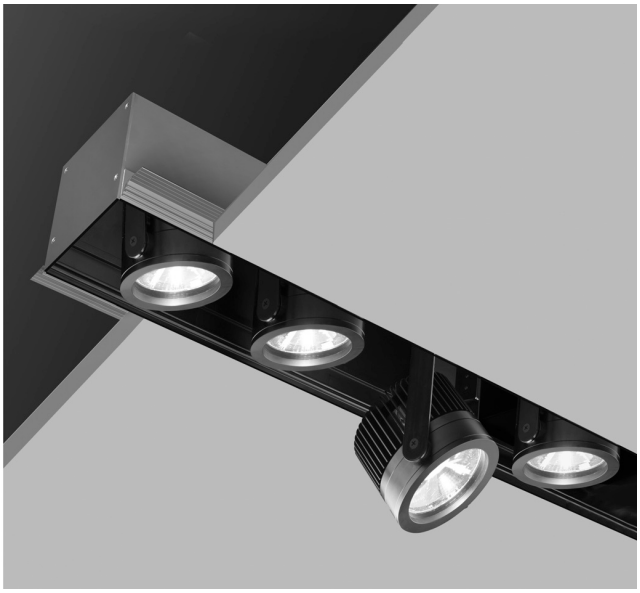
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CHANNEL SERIES

Rev. Date: 11/03/2026

Project:	Type:
	Comments:





Highlights

Channel series is specification grade, modular, retractable spot light channel, with possibilities to create continuous runs and virtually unlimited pattern. Recessed into drywall, wood or grid ceilings or pendant. Wide ranging customization options, from custom lumen packages, length and finishes. Great and simple lighting solution for all modern interiors.

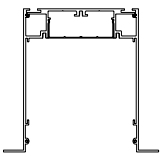
LED: Citizen LED chips, 2700-5000K, 90+CRI

Optical: Direct illumination, multiple beam angle options

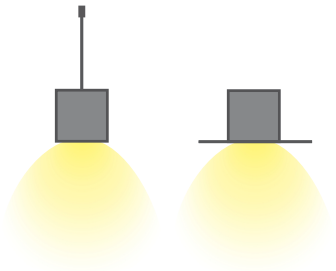
Construction: High grade aluminum and sheet metal construction, powder coat finish, X, T, L Lit corners available for smooth, seamless patterns, damp location listed.

5-year limited warranty

Cross Section



Installation



Pendant (P)

Reccessed (R)

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CHANNEL SERIES

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Project:	Type:
	Comments:

Configuration Example

Model #	Length	Spots	Lumen Output	Color Temp.	Beam Angle	Voltage
TECHOLED-CH-R-4-1-ME-40-24-U	4'	1	Medium	4000K	24°	110-270V

Ordering Guide:

Select one option from each group below. For a custom preference please contact sales@techoled.com

1-FIXTURE ID		2-LENGTH		3-SPOT		4-LUMEN OUTPUT	
CH-R	CH-R	4	4´	C	Custom	LO	Low
		C	Custom			ME	Medium
						HI	High
5-COLOR TEMP.		**6-BEAM ANGLE**		**7-VOLTAGE**		**8-FINISH**	
27	2700K	15	15°	U	110-277V	B	Black
30	3000K	24	24°	HV	347V	C	Custom (RAL#)
35	3500K	38	38°			S	Silver
40	4000K	48	48°			W	White
50	5000K						
9-MOUNTING		**10-DRIVER OPTIONS**		**11-OPTIONS (CONT.)**		**12-ACCESSORIES**	
P	Pendant	DM	0-10V Dimming	EM	EM Battery (remote)	L	Louver
RF	Recessed with Flange	DM1%	1% Dimming	X	None	S	Snoot
RP	Recessed (mud-in)	LT1	LDE1 Lutron 1%				
TG9	TG9	LT2	DFC Lutron Vive RF				
TG15	TG15	LT3	FCJ Lutron ECO				
		LT4	FCJ Lutron PowPak				
		LT5	DFC Lutron Vive				
		BM	BubblyNet BT Mesh				
		DA	Dali				
		X	None				

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Project:	Type:
	Comments:

Lumen Output Details

Model #	Beam Angle	Output	Color Temp.	Wattage	Lumen Output
TECHOLED-CH-R-4-2-LO-40-24	24°	Low	4000K	26W	3432Lm
TECHOLED-CH-R-4-2-ME-40-24	24°	Medium	4000K	38W	4674Lm
TECHOLED-CH-R-4-2-HI-40-24	24°	High	4000K	49W	5635Lm

Performance above applies to 90 CRI, 4000K, 24°. Calculate 96% for 3000K, 104% for 5000K

Performance

Output	Lumens	W	Lm/W
Low	3432Lm	26W	132
Medium	4674Lm	38W	123
High	5635Lm	49W	115

Project:	Type:
	Comments:

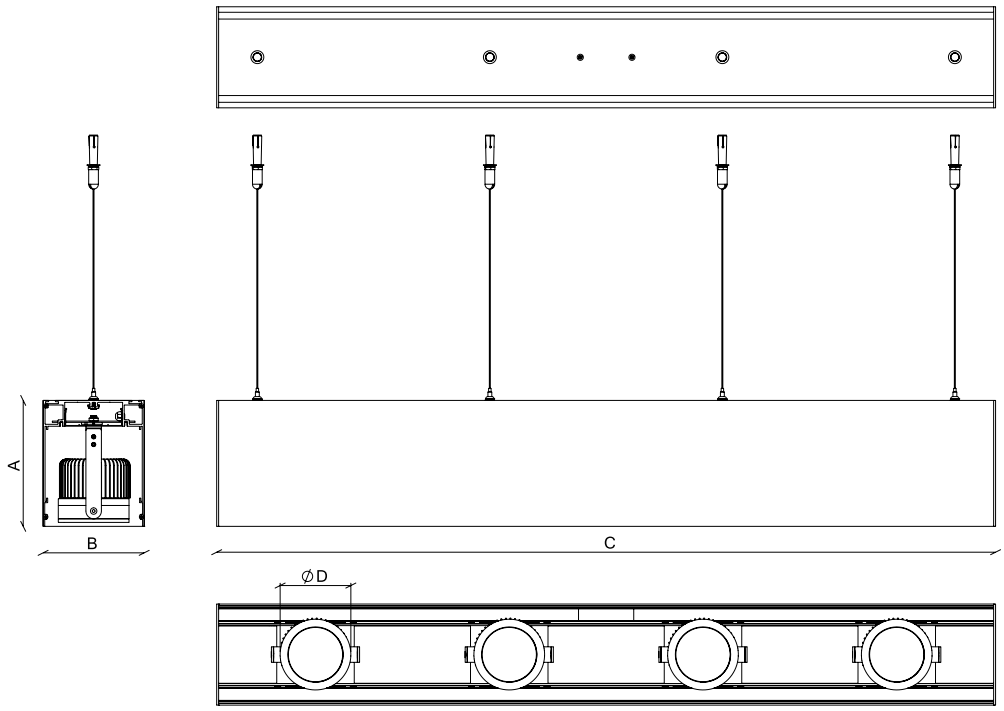
Driver Option Details

Code	Description
LT1	**LDE1** - Lutron Hi-lume 1% EcoSystem, Soft-on, Fade-to Black Dimming
LT2	**RFJ/FCJS-010** - Lutron RF PowPak (0-10V)
LT3	**DFCSJ-OEM-RF** - Lutron Vive In-Fixture Control (RF only)
LT4	**DFCSJ-OEM-OCC** - Lutron Vive In-Fixture Control (with daylights & occ/vac sensors)
LT5	**FCJ/FCJS-ECO** - Lutron Wireless PowPak (EcoSystem)
BM	Bluetooth Mesh Smart Wireless Control by BubblyNet

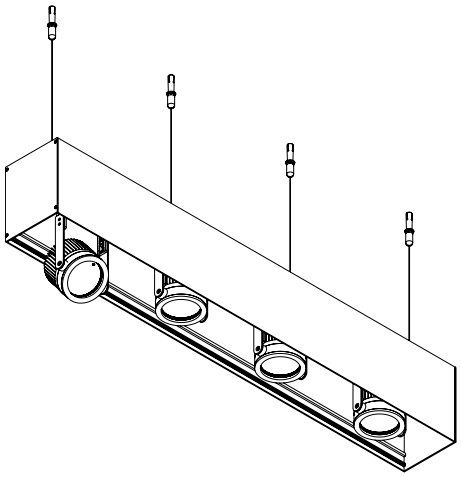
Project:	Type:
	Comments:

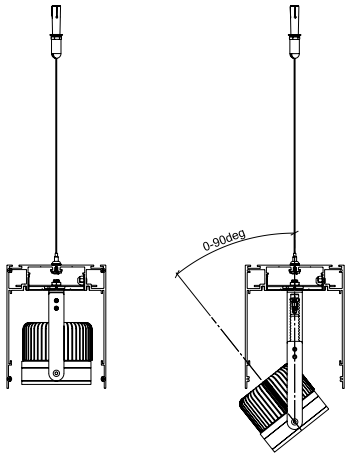
Dimension and Mounting

Pendant Mount (D)



FIXTURE ID	A	B	C	D
CH-R-4	7.67"	6.18"	4'	4.33"





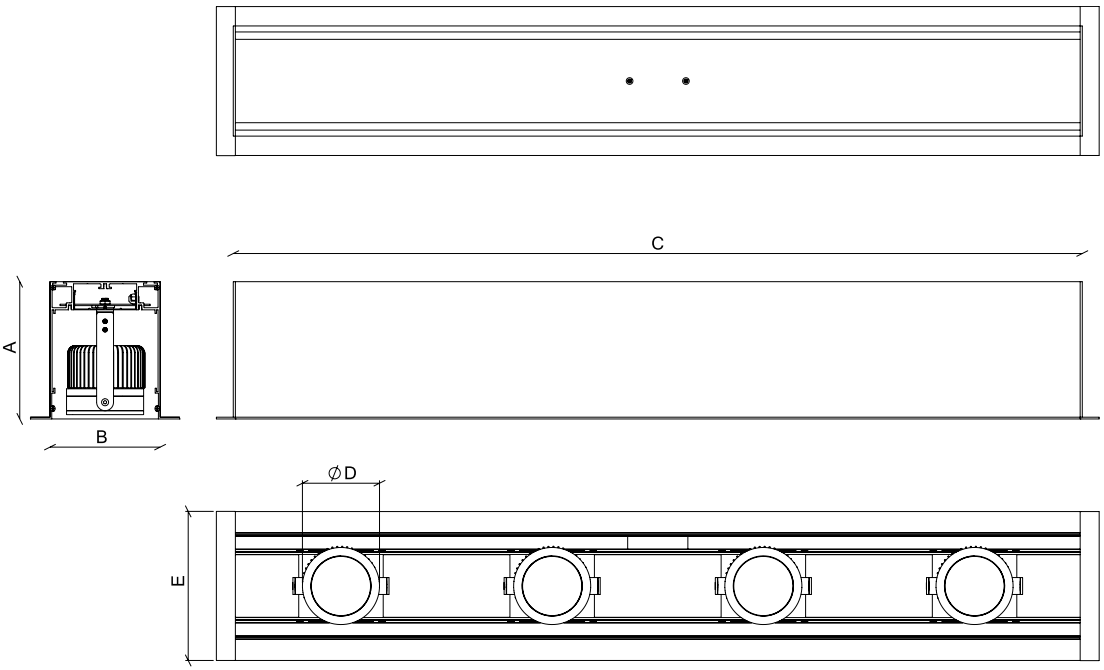
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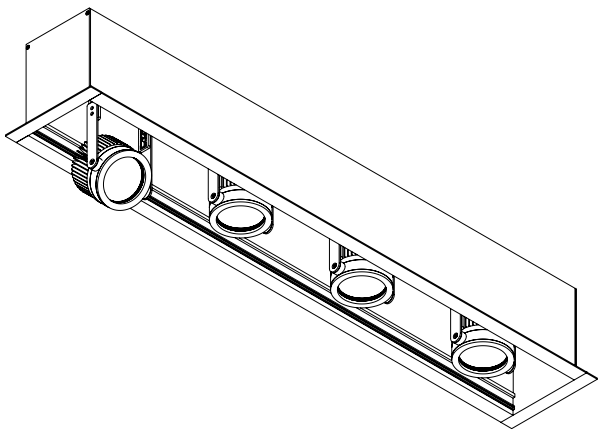
Rev. Date: 11/03/2026

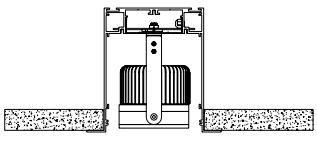
Project:	Type:
	Comments:

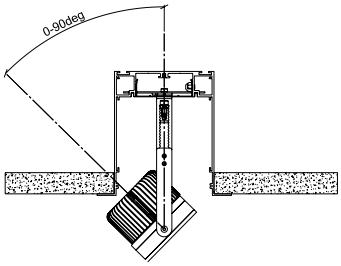
Recessed Mount (D)



FIXTURE ID	A	B	C	D
CH-R-4	7.67"	6.18"	4'	4.33"

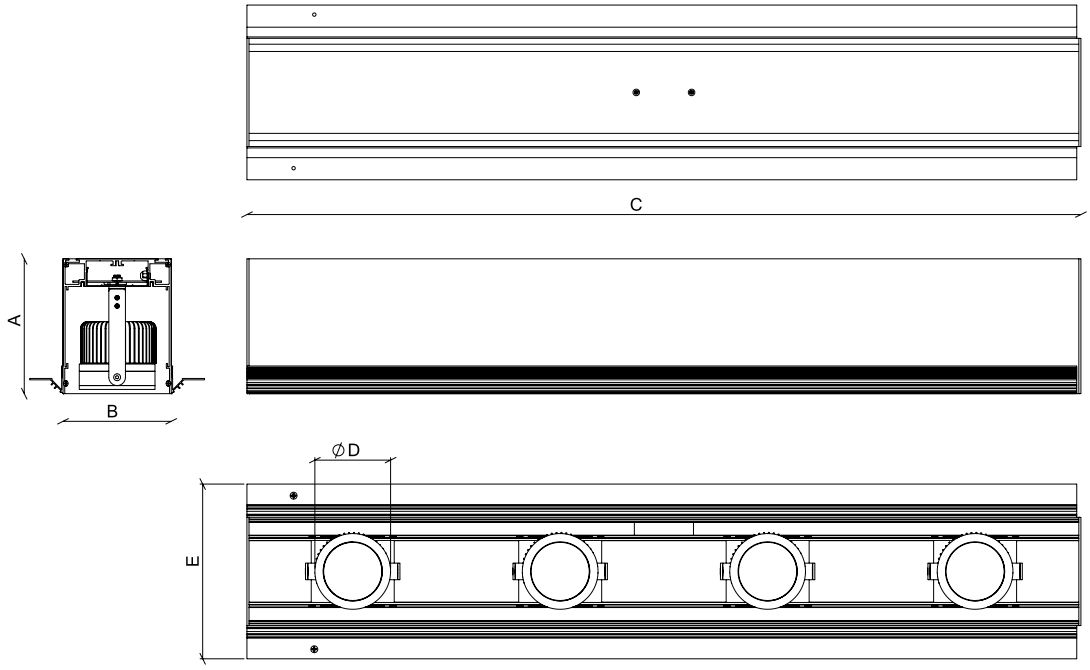




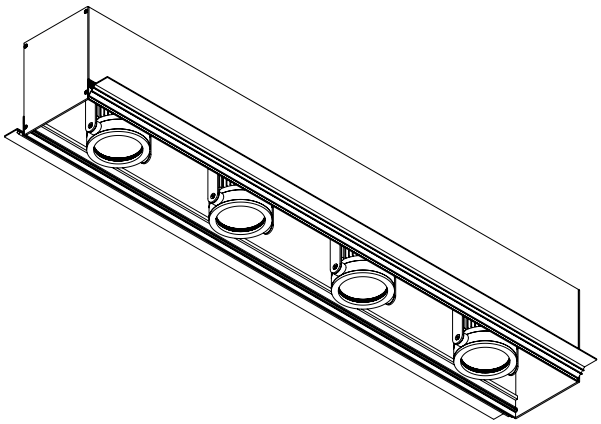


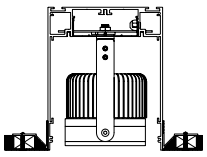
Project:	Type:
	Comments:

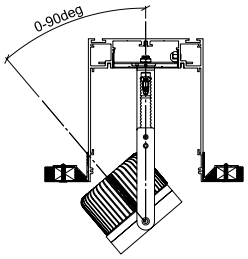
Recessed Mount (D) - mud in



FIXTURE ID	A	B	C	D
CH-R-4	7.67"	6.18"	4'	4.33"



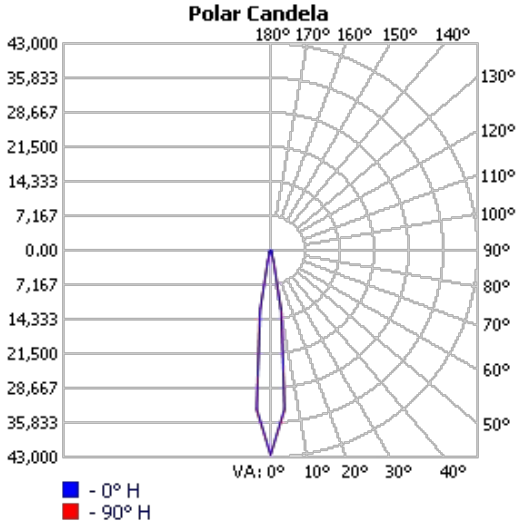




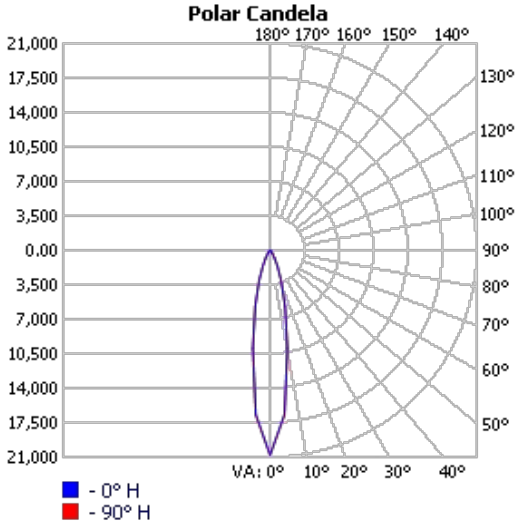
Project:	Type:
	Comments:

Photometrics

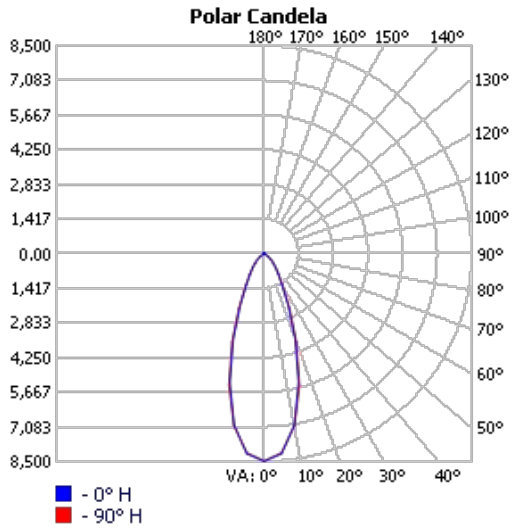
TECHOLED-CH-R-4-1-ME-40-15



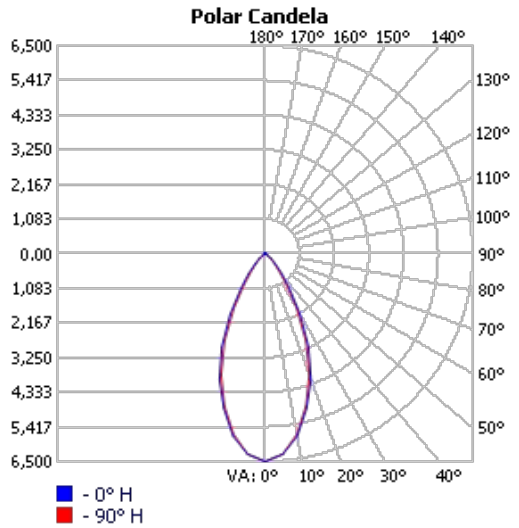
TECHOLED-CH-R-4-1-ME-40-24



TECHOLED-CH-R-4-1-ME-40-38



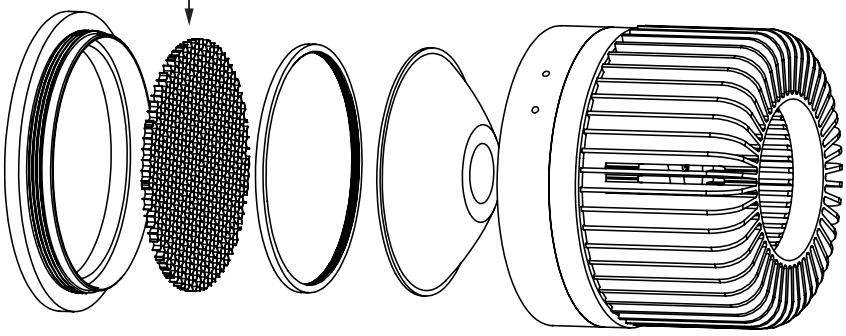
TECHOLED-CH-R-4-1-ME-40-48



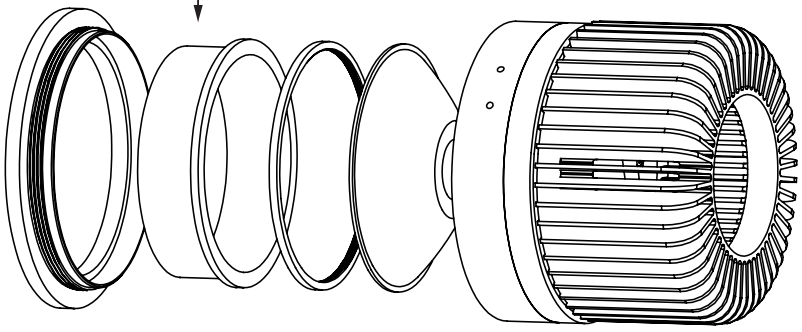
Project:	Type:
	Comments:

Accessories

LOUVER



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Project:	Type:
	Comments:

Finish Details (powder coat finish)

Standard Colors

W – White


S – Silver


B – Black

Custom Colors


RAL 1003


RAL 2004


RAL 3000


RAL 4001


RAL 5002


RAL 6000


RAL 6038


RAL 7001


RAL 1036


RAL 8029

Any RAL color available, please refer to ralcolorchart.com

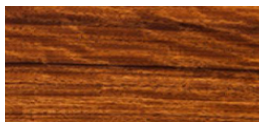
Custom Wooden Colors


American Walnut


Cherry


Maple

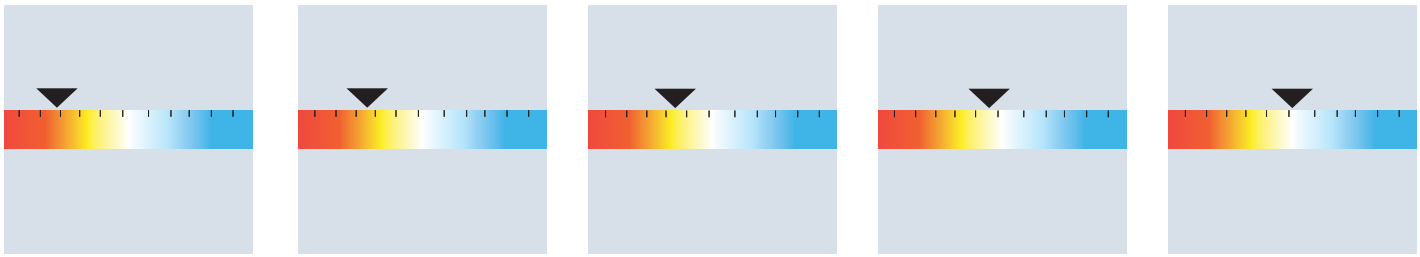

Light Oak


Palisander Santos

Project:	Type:
	Comments:

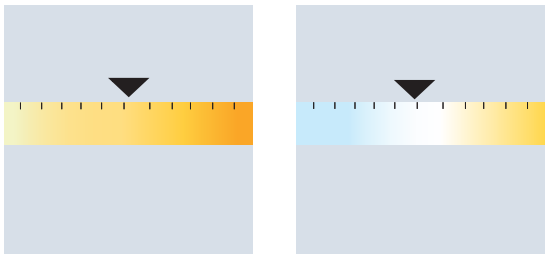
Color Temperature

Color Temperature



2700K | 3000K | 3500K | 4000K | 5000K

Tunable White



Dim To Warm | Tunable White