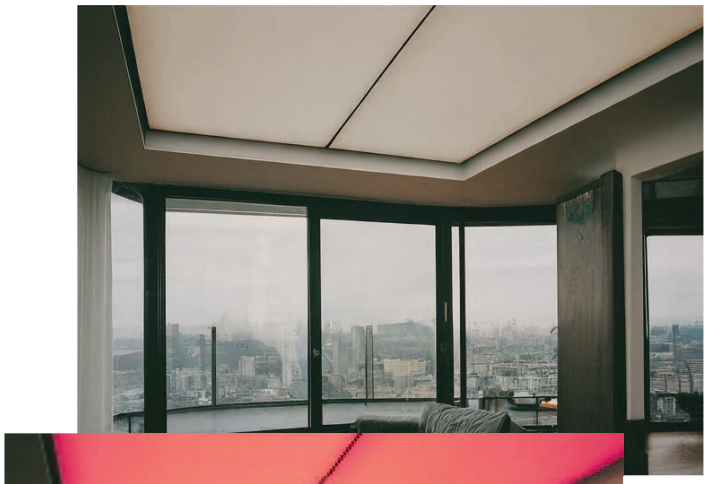
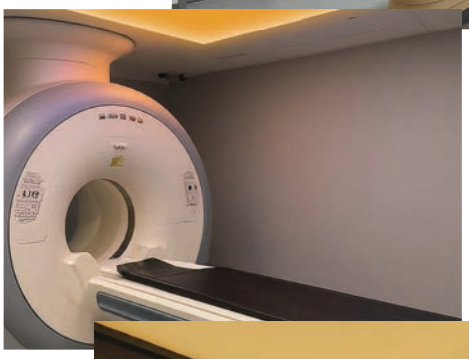
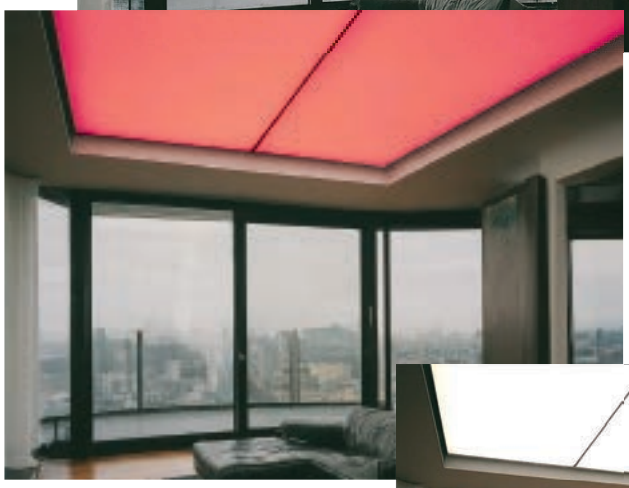
LumosCielo™ (RGBW)

Square, rectangular and bespoke luminous ceilings offer a modern and adaptable solution for enhancing indoor lighting. These geometric luminous panels provide uniform illumination, making them ideal for various settings.













bridgelux

5 YEAR WARRANTY

c UL us

CE

CRI>90

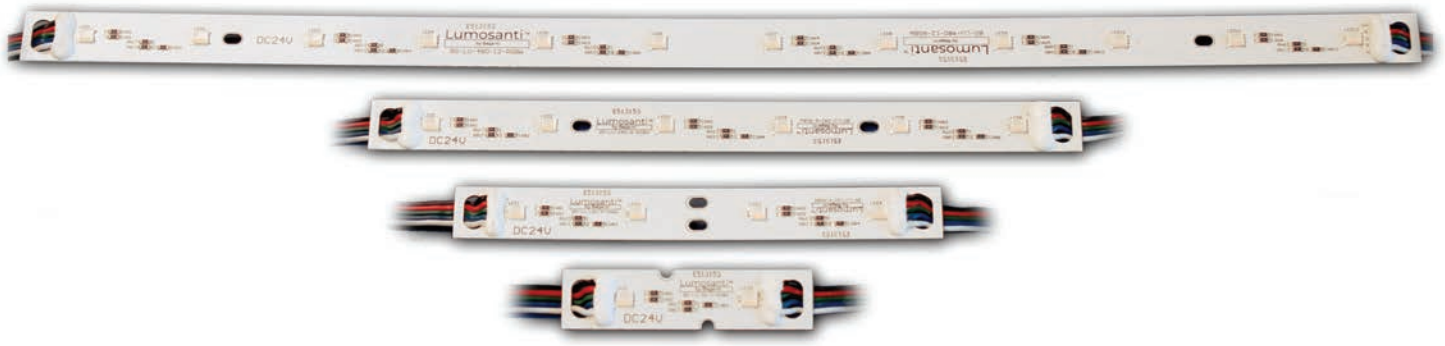
24V

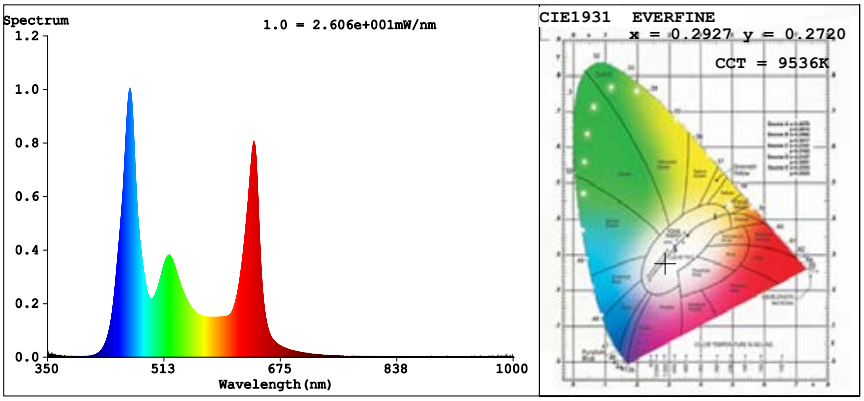
IP 60

160°

Lighting Solutions

Our **RGBW** system improves the capabilities of regular RGB LEDs by incorporating a **separate white** light-emitting diode. This enables the creation of vivid colors as well as **pure**, high-quality white light, enhancing color accuracy and brightness. RGBW LEDs are perfect for situations that call for both dynamic color-changing effects and practical white lighting, such as in smart home systems, stage lighting, and architectural designs. The additional white LED contributes to the creation of more **natural lighting** scenarios and can be adjusted to different color temperatures, offering better management of the lighting ambiance.





Colorimetric Parameters

Chromaticity Coordinate:x=0.2927 y=0.2720/u'=0.2061 v'=0.4311
CCT=9536K(Duv=-0.0168) Dominant WL:Ld =464.1nm Purity=20.7%
Peak WL:Lp=465.2nm FWHM=24.3nm
Render Index:Ra=50.7 Lav=524.5nm Render Index:CRI =43.3

R1 =34	R2 =58	R3 =86	R4 =49	R5 =46	R6 =56	R7 =68	
R8 =8	R9 =0	R10=12	R11=41	R12=49	R13=37	R14=88	R15=16

Photometric & Radiometric Parameters

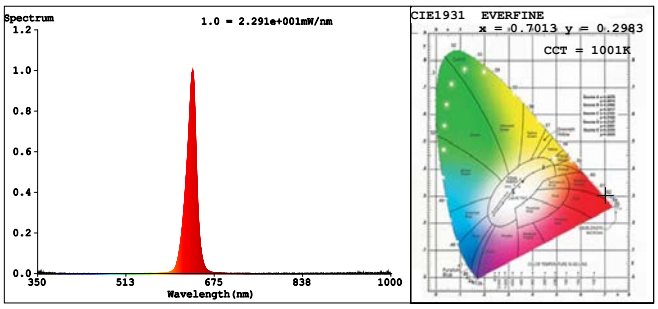
Flux=465.1 lm Eff.:39.11 lm/W Fe=2.021 W

Electrical parameters

V=24.00 V I=0.4955 A P=11.89 W PF=1.000
Freq=0.00 Hz

Status: Integral T = 266 ms Ip = 53193 (81%)
Test Mode: Fast Test; Sensitivity = High; Tecool: ON

Photometrics



Colorimetric Parameters

Chromaticity Coordinate:x=0.7013 y=0.2983/u'=0.5419 v'=0.5186
CCT=1001K(Duv=-0.0944) Dominant WL:Ld =625.7nm Purity=99.9%
Peak WL:Lp=635.2nm FWHM=18.7nm
Render Index:Ra=24.9 Lav=633.2nm Render Index:CRI =29.1

R1 =4	R2 =79	R3 =27	R4 =0	R5 =0	R6 =88	R7 =2	
R8 =0	R9 =0	R10=73	R11=0	R12=79	R13=29	R14=56	R15=0

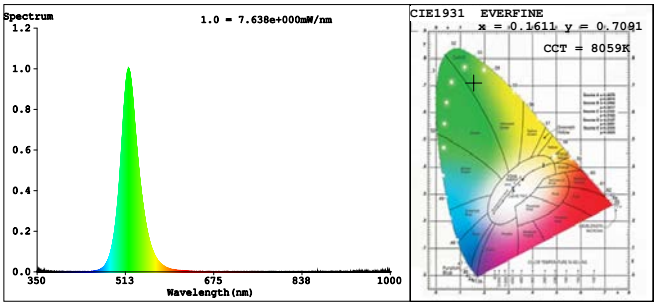
Photometric & Radiometric Parameters

Flux=86.96 lm Eff.:20.83 lm/W Fe=501.0 mW

Electrical parameters

V=24.00 V I=0.1740 A P=4.176 W PF=1.000
Freq=0.00 Hz

Status: Integral T = 277 ms Ip = 45340 (69%)
Test Mode: Fast Test; Sensitivity = High; Tecool: ON



Colorimetric Parameters

Chromaticity Coordinate:x=0.1611 y=0.7091/u'=0.0576 v'=0.5705
CCT=8059K(Duv=0.1581) Dominant WL:Ld =524.0nm Purity=75.8%
Peak WL:Lp=518.0nm FWHM=34.6nm
Render Index:Ra=0.0 Lav=521.1nm Render Index:CRI =2.9

R1 =0	R2 =0	R3 =0	R4 =0	R5 =0	R6 =0	R7 =0	
R8 =0	R9 =0	R10=0	R11=0	R12=0	R13=0	R14=43	R15=0

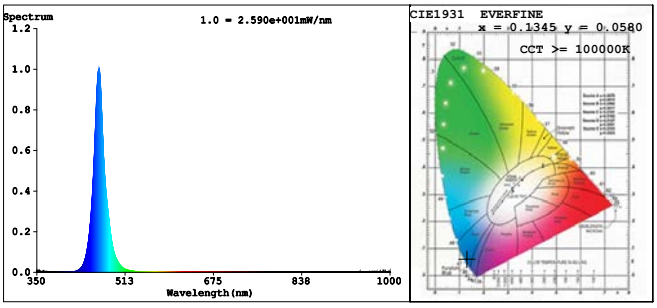
Photometric & Radiometric Parameters

Flux=145.7 lm Eff.:34.96 lm/W Fe=313.8 mW

Electrical parameters

V=24.00 V I=0.1737 A P=4.169 W PF=1.000
Freq=0.00 Hz

Status: Integral T = 718 ms Ip = 51330 (78%)
Test Mode: Fast Test; Sensitivity = High; Tecool: ON



Colorimetric Parameters

Chromaticity Coordinate:x=0.1345 y=0.0580/u'=0.1570 v'=0.1523
CCT=100000K(Duv=-0.1661) Dominant WL:Ld =468.1nm Purity=97.2%
Peak WL:Lp=464.5nm FWHM=19.9nm
Render Index:Ra=0.1 Lav=465.3nm Render Index:CRI =0.1

R1 =0	R2 =0	R3 =0	R4 =0	R5 =1	R6 =0	R7 =0	
R8 =0	R9 =0	R10=0	R11=0	R12=0	R13=0	R14=0	R15=0

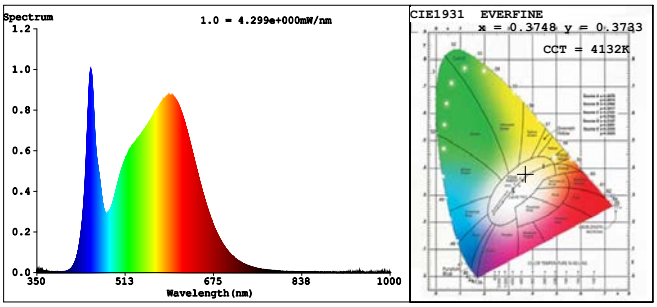
Photometric & Radiometric Parameters

Flux=43.11 lm Eff.:10.35 lm/W Fe=656.7 mW

Electrical parameters

V=24.00 V I=0.1736 A P=4.166 W PF=1.000
Freq=0.00 Hz

Status: Integral T = 272 ms Ip = 53881 (82%)
Test Mode: Fast Test; Sensitivity = High; Tecool: ON



Colorimetric Parameters

Chromaticity Coordinate:x=0.3748 y=0.3733/u'=0.2228 v'=0.4992
CCT=4132K(Duv=0.0001) Dominant WL:Ld =578.5nm Purity=24.5%
Peak WL:Lp=449.2nm FWHM=23.7nm
Render Index:Ra=84.3 Lav=567.0nm Render Index:CRI =78.0

R1 =83	R2 =90	R3 =95	R4 =84	R5 =83	R6 =86	R7 =87	
R8 =67	R9 =13	R10=76	R11=83	R12=66	R13=85	R14=97	R15=77

Photometric & Radiometric Parameters

Flux=219.1 lm Eff.:52.60 lm/W Fe=674.2 mW

Electrical parameters

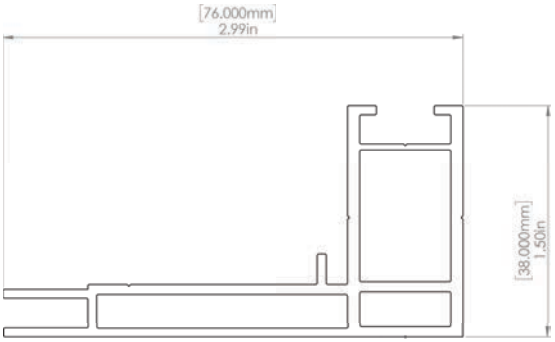
V=24.00 V I=0.1736 A P=4.166 W PF=1.000
Freq=0.00 Hz

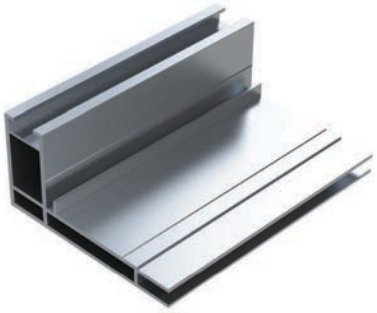
Status: Integral T = 1513 ms Ip = 49096 (75%)
Test Mode: Fast Test; Sensitivity = High; Tecool: ON

Profile Options

076

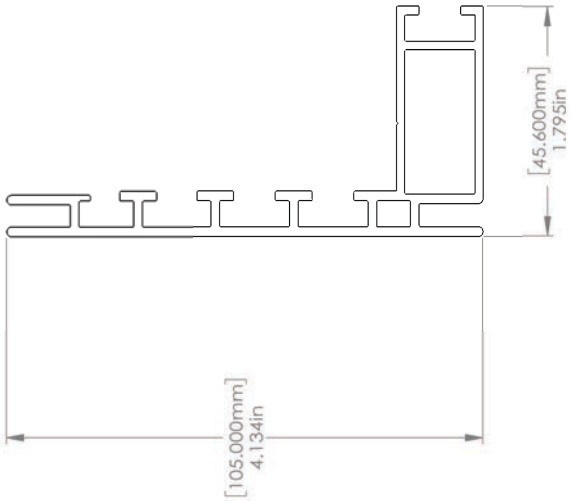
Dimensions
76.00mm x 38.00mm
Weight
1.15 Kg/m (0.77 lbs./lft)

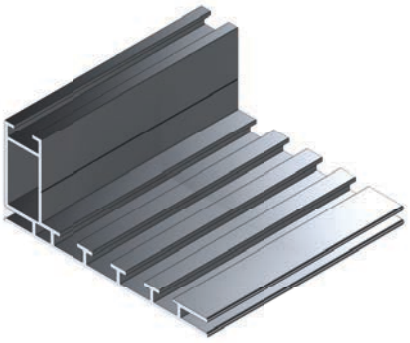




105

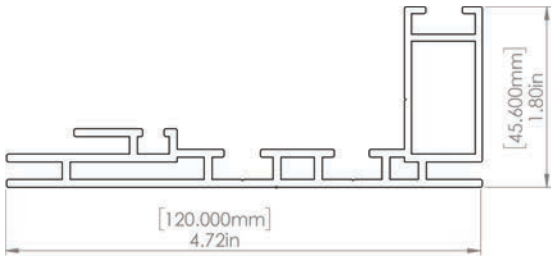
Dimensions
105.00mm x 45.60mm
Weight
1.51 Kg/m (1.01 lbs./lft)





120

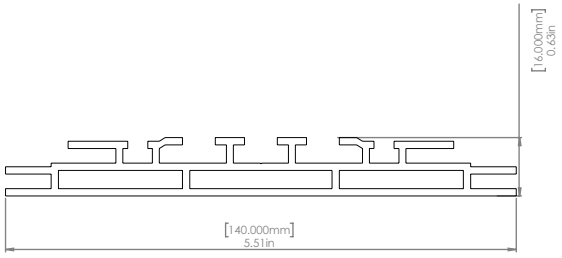
Dimensions
120.00mm x 45.60mm
Weight
1.99 Kg/m (1.34 lbs./lft)

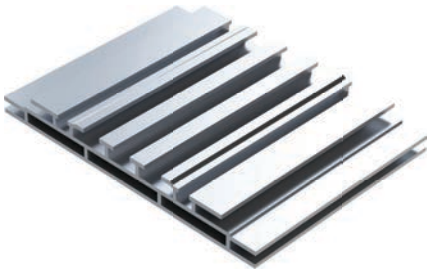




140

Dimensions
140.00mm x 16mm
Weight
2.11 Kg/m (1.42 lbs./lft)



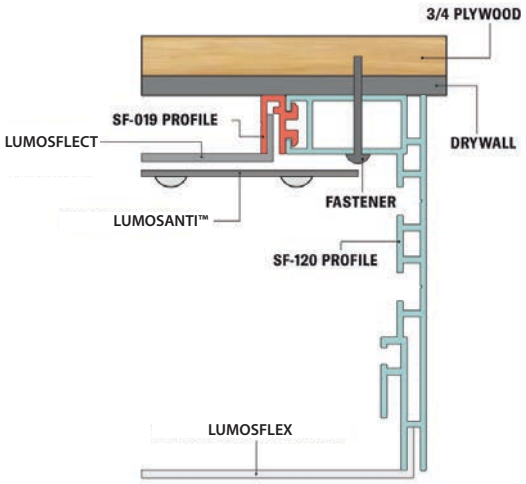


Profile Colors

Black
White
Clear
RAL#

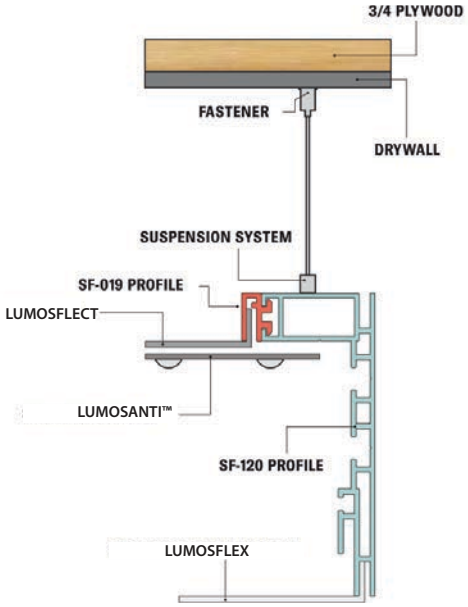
Mounting Options

Surface Mounted



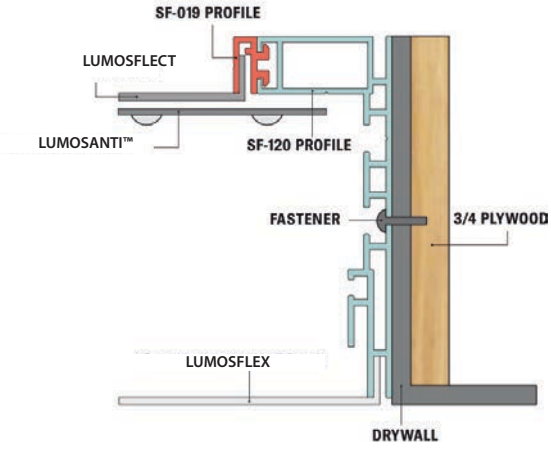


Suspended





Recessed





Membrane

LumosFlex

LumosFlex is a high-performance stretch ceiling membrane crafted for both printed and non-printed applications. Designed to pair seamlessly with our Lumosanti™ tension-free, non-backing lighting system, LumosFlex delivers a smooth, uniform light diffusion with unmatched visual consistency. This adaptable membrane conforms effortlessly to any form or architectural feature, enabling creative freedom in lighting design. Its robust yet lightweight construction ensures easy installation and maintenance, making it an optimal choice for both residential and commercial interiors. Elevate your spaces with the refined vaesthetics and dependable performance of LumosCielo's LumosFlex.

Specifications

Thickness	0.2 mm
Weight	200 gm/m^2
Fire retardant rating	UL 723 / NFPA 255 / ASTM E84
	Bs1 do / ASTM 963-11
Class	A
Recyclable	100%
Pre-consumer recycled product	40%

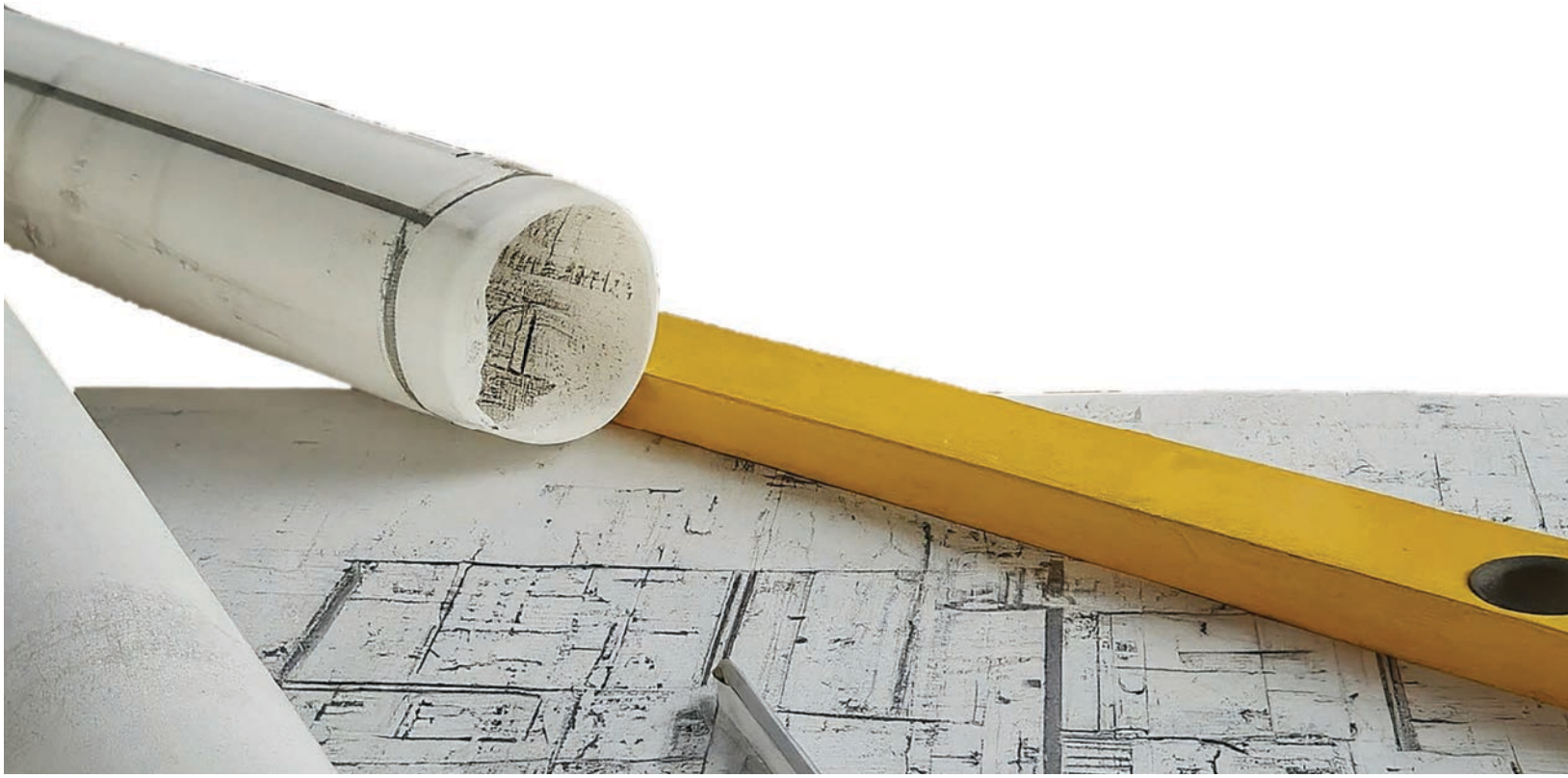
Specification Code Generator

BALC	-		-		-	RGBW	-	DMX	-		-		-		-		-	LU
Company		Shape		Dimension		CCT		Control		Profile		Profile Color		Mounting		System		
BA Baganti		SQ Square		WxL		RW RGBW		Dm DMX		76 076		Cl Clear		Sf Surface		Lu Lumosanti		
Product		RE Rectangle		WxL						10 105		Wh White		Su Suspended				
LC LumosCielo™		TR Triangle		L1xL2xL3						12 120		Bl Black		Rs Recessed				
		Cu Custom		Custom						14 140		Ra #RAL						

Example: BALC-SQ-36”x36”-RGBW-DMX-12-Cl-Sf-LU

Our tool is designed for architects and lighting designers to simplify the process of incorporating our lighting products into their designs. This tool helps create a specification code tailored to meet project needs, ensuring that they are, in line with industry standards.

By entering details such as frame dimensions, color temperature, profile, profile color and mounting type, users can generate codes that reflect their design preferences.
This will reduce mistakes and facilitate smooth communication with us and contractors.



Applications

