

# Drivelux (Light Engine)

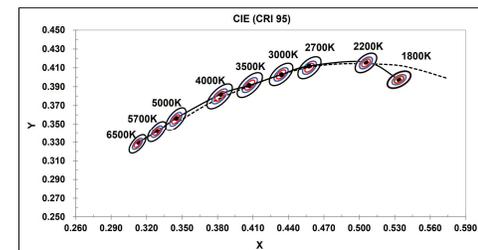
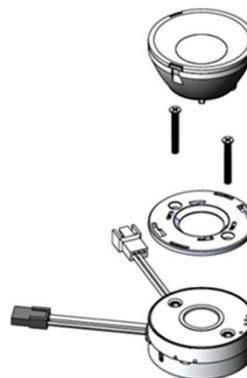
## Bridgelux Differentiation

- It's in our DNA to solve customers' problems
- 20+ years of driving LED industry transformations
- Vertical integration across lighting industry global supply chain (LEDs, Drivers, Optics and accessories)
- Broad product portfolio and global footprint for sales and supports
- Human centric and dynamic lighting technology leader



## Features and Benefits

- **Completed AC main power to light solution** (light engine). —no external driver required (simplified R&D and logistic management)
- Round housing best fit for various lighting applications
- Compact **Ø50 × 18.5 mm** module with 10mm/13mm LES options
- **Full color range** through **RGB mixing**
- **CCT 1800-6500K** along **BBC**
- Flicker free per IEEE P1789, EU2019/2020 (ErP)
- Configurable **Thermal Protection** Built-in for maximized safety
- **Optics accessories** for various dimensions and optical needs



Item	Color / CCT	LED LES (Config)	Input Voltage [Vac] (Certificate)	Input Power [W]	Control (Color)	Output Lumen [lm]	lm /W	CRI	Lifetime Tc @ 85°C
BXDX4-L13-E20X-T4H3TS (DX4-X EU)	RGBW 1800-6500K	13mm (CSP: 12 x4)	220-240 (CE/UKCA)	22	DMX512 (RDM)	2075	98	95	50K hours
BXDX4-L10-E13X-T4H3TS (DX4-X EU)	RGBW 1800-6500K	10mm (CSP: 7 x4)	220-240 (CE/UKCA)	12.8	DMX512 (RDM)	1300	97	95	50K hours
BXDX4-L13-E20C-T4H3TS (DX4-C EU)	RGBW 1800-6500K	13mm (CSP: 12 x4)	220-240 (CE/UKCA)	22	Casambi	2075	98	95	50K hours
BXDX4-L10-E13C-T4H3TS (DX4-C EU)	RGBW 1800-6500K	10mm (CSP: 7 x4)	220-240 (CE/UKCA)	12.8	Casambi	1300	97	95	50K hours
BXDX3-L13-E25C-T4G3TS (DX3-C EU)	1800-6500K	13mm (CSP: 12 x4)	220-240 (CE/UKCA)	23	Casambi	2500	115	90	50K hours
BXDX3-L10-E20C-T4G3TS (DX3-C EU)	1800-6500K	10mm (CSP: 7 x4)	220-240 (CE/UKCA)	20	Casambi	2000	110	90	50K hours
BXDX3-L08-E15C-T4G3TS (DX3-C EU)	1800-6500K	08mm (CSP: 6 x3)	220-240 (CE/UKCA)	17	Casambi	1500	100	90	50K hours

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BXDX3-L13-U25A-T4G3TS (DX3-A US)	1800-6500K	13mm (CSP: 12 x4)	120/277 (UL)	23	0 - 10V (x2)	2500	115	90	50K hours
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Drivelux DX4-X comes with 6 personalities, it can be switched via DMX controller with RDM features:

Personality	DMX Ch 1	DMX Ch 2	DMX Ch 3	DMX Ch 4	DMX Ch 5	DMX Ch 6	DMX Ch 7	DMX Ch 8
	8 bit (0-255)	8 bit (0-255)	8 bit (0-255)	8 bit (0-255)				
<b>Color Tuning 4ch (8bit)</b>	Intensity	CCT	Saturation	Hue	/	/	/	/
<b>Color Tuning 4ch (16bit)</b>	Intensity MSB	Intensity LSB	CCT MSB	CCT LSB	Saturation MSB	Saturation LSB	Hue MSB	HUE LSB
<b>RGBW* 4ch (8bit)</b>	Red	Green	Blue	White	/	/	/	/
<b>RGBW* 4ch (16bit)</b>	Red MSB	Red LSB	Green MSB	Green LSB	Blue MSB	Blue LSB	White MSB	White LSB
<b>Halogen</b> (Dim-To-Warm 1)	Intensity MSB	Intensity LSB	/	/	/	/	/	/
<b>Incandescent</b> (Dim-To-Warm 2)	Intensity MSB	Intensity LSB	/	/	/	/	/	/