

MIXING LIST	
• myData RubixLime.txt [120°] x8	
• myData RubixAmber.txt [120°] x8	
• myData RubixRB.txt [120°] x14	
• myData RubixBlue.txt [120°] x14	
• myData viosys420.txt [120°] x8	
• myData RubixCyan.txt [120°] x16	
• LedEngin LZ1 UV (390-410nm) [90°] x2	
• LedEngin LZ1 DeepRed (655-670nm) [90°] x2	
• KZ T5 CoralLight NewGeneration (3 band) [90°] x2	
SIMULATION DATA	
Luminous flux	13,337 lm
Radiant flux	90,416 mW
PPF	362 umol/s
TCP	- K
CRI	-
$\lambda_p$	437 nm
Color	#5C55FF
PERFORMANCE @ 30cm	
Irradiance	164 W/m <sup>2</sup> /s
Illuminance	23,527 lx
PPFD	656 umol/m <sup>2</sup> /s

Emitter:	Color (nm)	Power (W)	pcs:	Wattage per string:	Drivers:	Channel:	Power Supply:
LED Engin LZ1 Violet	390-410	5	2	20	700mA 2x LDD-H	CH1	2x HLG-350H-54B
Seoul Viosys Hyper Violet	420	3	8	24	700mA 2x LDD-H 3.5Vf x 12 = 49V		
Luxeon Rubix RB	440-450	10	14	140	1500 mA 2x LDD-H 3.5Vf x 10	CH2	
Luxeon Rubix Blue	460-480	10	14	140	1500 mA 2x LDD-H 4Vf x 8 =36V	CH3	
Luxeon Rubix Cyan	490	10	16	160	1500mA 2x LDD-H	CH4	
Luxeon Rubix Lime	(-)	10	8	80	1500 mA 2x LDD-H 3.5Vf x 8 =35V	CH5	
Luxeon Rubix Amber	590	10	8	80	1500 mA 2x LDD-H 3.5Vf x 6 =21V	CH6	
LED Engin LZ1 Deep Red	660	5	2	10	700mA 2x LDD-H	CH7	
				<b>total watts=</b>	<b>654</b>		

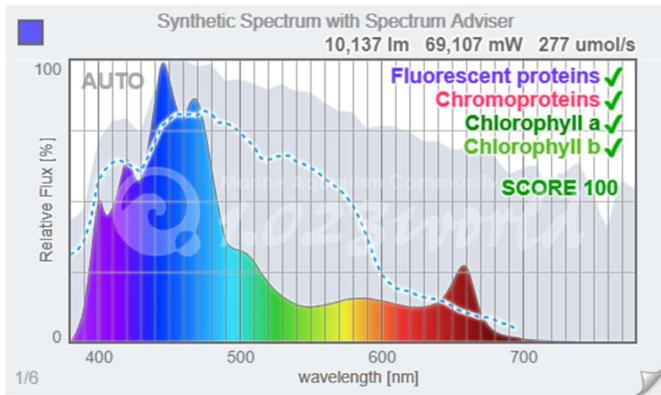


Figure 1: LED ONLY Spectrum

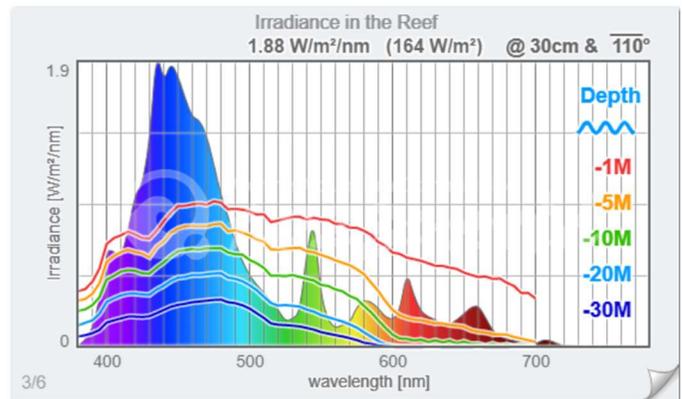


Figure 2: LED+T5 Midday Peak