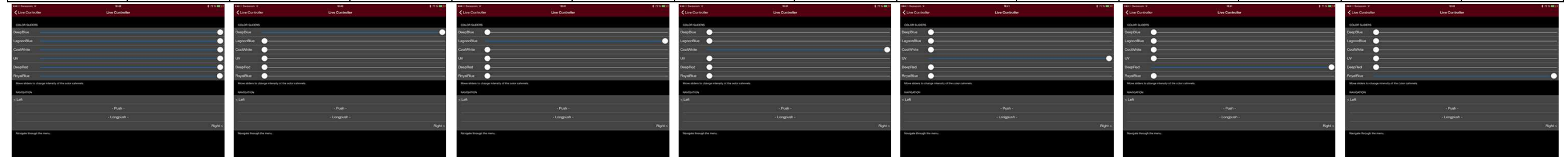


# Giesemann Vervve 180 Watt

Messungen mit LEDclusive McCREEs 100% Alle Kanäle		Messungen mit LEDclusive McCREEs 100% DeepBlue		Messungen mit LEDclusive McCREEs 100% Lagoon Blue		Messungen mit LEDclusive McCREEs 100% CoolWhite		Messungen mit LEDclusive McCREEs 100% UV		Messungen mit LEDclusive McCREEs 100% DeepRed		Messungen mit LEDclusive McCREEs 100% RoyalBlue			
Parameter	Value	Parameter	Value	Parameter	Value	Parameter	Value	Parameter	Value	Parameter	Value	Parameter	Value	Parameter	Value
PPFD (400-700 nm)	855.00 $\mu\text{mol}/\text{m}^2/\text{s}$	PPFD (400-700 nm)	161.68 $\mu\text{mol}/\text{m}^2/\text{s}$	PPFD (400-700 nm)	140.26 $\mu\text{mol}/\text{m}^2/\text{s}$	PPFD (400-700 nm)	282.91 $\mu\text{mol}/\text{m}^2/\text{s}$	PPFD (400-700 nm)	94.750 $\mu\text{mol}/\text{m}^2/\text{s}$	PPFD (400-700 nm)	133.98 $\mu\text{mol}/\text{m}^2/\text{s}$	PPFD (400-700 nm)	249.88 $\mu\text{mol}/\text{m}^2/\text{s}$		
PPFD IR (701-780 nm)	11.921 $\mu\text{mol}/\text{m}^2/\text{s}$	PPFD IR (701-780 nm)	0.7133 $\mu\text{mol}/\text{m}^2/\text{s}$	PPFD IR (701-780 nm)	0.1940 $\mu\text{mol}/\text{m}^2/\text{s}$	PPFD IR (701-780 nm)	6.3713 $\mu\text{mol}/\text{m}^2/\text{s}$	PPFD IR (701-780 nm)	0.5172 $\mu\text{mol}/\text{m}^2/\text{s}$	PPFD IR (701-780 nm)	3.2739 $\mu\text{mol}/\text{m}^2/\text{s}$	PPFD IR (701-780 nm)	0.9461 $\mu\text{mol}/\text{m}^2/\text{s}$		
PPFD R (600-700 nm)	153.56 $\mu\text{mol}/\text{m}^2/\text{s}$	PPFD R (600-700 nm)	0.8055 $\mu\text{mol}/\text{m}^2/\text{s}$	PPFD R (600-700 nm)	0.2415 $\mu\text{mol}/\text{m}^2/\text{s}$	PPFD R (600-700 nm)	51.024 $\mu\text{mol}/\text{m}^2/\text{s}$	PPFD R (600-700 nm)	0.4879 $\mu\text{mol}/\text{m}^2/\text{s}$	PPFD R (600-700 nm)	107.94 $\mu\text{mol}/\text{m}^2/\text{s}$	PPFD R (600-700 nm)	1.0266 $\mu\text{mol}/\text{m}^2/\text{s}$		
PPFD G (500-599 nm)	153.51 $\mu\text{mol}/\text{m}^2/\text{s}$	PPFD G (500-599 nm)	6.7017 $\mu\text{mol}/\text{m}^2/\text{s}$	PPFD G (500-599 nm)	12.280 $\mu\text{mol}/\text{m}^2/\text{s}$	PPFD G (500-599 nm)	109.52 $\mu\text{mol}/\text{m}^2/\text{s}$	PPFD G (500-599 nm)	3.8238 $\mu\text{mol}/\text{m}^2/\text{s}$	PPFD G (500-599 nm)	21.538 $\mu\text{mol}/\text{m}^2/\text{s}$	PPFD G (500-599 nm)	2.6411 $\mu\text{mol}/\text{m}^2/\text{s}$		
PPFD B (400-499 nm)	548.06 $\mu\text{mol}/\text{m}^2/\text{s}$	PPFD B (400-499 nm)	154.22 $\mu\text{mol}/\text{m}^2/\text{s}$	PPFD B (400-499 nm)	127.81 $\mu\text{mol}/\text{m}^2/\text{s}$	PPFD B (400-499 nm)	122.36 $\mu\text{mol}/\text{m}^2/\text{s}$	PPFD B (400-499 nm)	90.459 $\mu\text{mol}/\text{m}^2/\text{s}$	PPFD B (400-499 nm)	4.4838 $\mu\text{mol}/\text{m}^2/\text{s}$	PPFD B (400-499 nm)	246.23 $\mu\text{mol}/\text{m}^2/\text{s}$		
PPFD UV (380-399 nm)	8.2679 $\mu\text{mol}/\text{m}^2/\text{s}$	PPFD UV (380-399 nm)	0.4077 $\mu\text{mol}/\text{m}^2/\text{s}$	PPFD UV (380-399 nm)	0.1200 $\mu\text{mol}/\text{m}^2/\text{s}$	PPFD UV (380-399 nm)	0.5603 $\mu\text{mol}/\text{m}^2/\text{s}$	PPFD UV (380-399 nm)	6.9328 $\mu\text{mol}/\text{m}^2/\text{s}$	PPFD UV (380-399 nm)	0.2206 $\mu\text{mol}/\text{m}^2/\text{s}$	PPFD UV (380-399 nm)	0.8976 $\mu\text{mol}/\text{m}^2/\text{s}$		
YPDF (400-700 nm)	674.81 $\mu\text{mol}/\text{m}^2/\text{s}$	YPDF (400-700 nm)	116.11 $\mu\text{mol}/\text{m}^2/\text{s}$	YPDF (400-700 nm)	99.240 $\mu\text{mol}/\text{m}^2/\text{s}$	YPDF (400-700 nm)	233.28 $\mu\text{mol}/\text{m}^2/\text{s}$	YPDF (400-700 nm)	67.829 $\mu\text{mol}/\text{m}^2/\text{s}$	YPDF (400-700 nm)	127.37 $\mu\text{mol}/\text{m}^2/\text{s}$	YPDF (400-700 nm)	185.35 $\mu\text{mol}/\text{m}^2/\text{s}$		
YPDF (380-780 nm)	681.99 $\mu\text{mol}/\text{m}^2/\text{s}$	YPDF (380-780 nm)	116.45 $\mu\text{mol}/\text{m}^2/\text{s}$	YPDF (380-780 nm)	99.342 $\mu\text{mol}/\text{m}^2/\text{s}$	YPDF (380-780 nm)	234.83 $\mu\text{mol}/\text{m}^2/\text{s}$	YPDF (380-780 nm)	72.209 $\mu\text{mol}/\text{m}^2/\text{s}$	YPDF (380-780 nm)	128.08 $\mu\text{mol}/\text{m}^2/\text{s}$	YPDF (380-780 nm)	185.96 $\mu\text{mol}/\text{m}^2/\text{s}$		
YPDF IR (701-780 nm)	2.0822 $\mu\text{mol}/\text{m}^2/\text{s}$	YPDF IR (701-780 nm)	0.1052 $\mu\text{mol}/\text{m}^2/\text{s}$	YPDF IR (701-780 nm)	0.0265 $\mu\text{mol}/\text{m}^2/\text{s}$	YPDF IR (701-780 nm)	1.2164 $\mu\text{mol}/\text{m}^2/\text{s}$	YPDF IR (701-780 nm)	0.0436 $\mu\text{mol}/\text{m}^2/\text{s}$	YPDF IR (701-780 nm)	0.5923 $\mu\text{mol}/\text{m}^2/\text{s}$	YPDF IR (701-780 nm)	0.0881 $\mu\text{mol}/\text{m}^2/\text{s}$		
YPDF R (600-700 nm)	147.22 $\mu\text{mol}/\text{m}^2/\text{s}$	YPDF R (600-700 nm)	0.7131 $\mu\text{mol}/\text{m}^2/\text{s}$	YPDF R (600-700 nm)	0.2152 $\mu\text{mol}/\text{m}^2/\text{s}$	YPDF R (600-700 nm)	48.381 $\mu\text{mol}/\text{m}^2/\text{s}$	YPDF R (600-700 nm)	0.4470 $\mu\text{mol}/\text{m}^2/\text{s}$	YPDF R (600-700 nm)	104.59 $\mu\text{mol}/\text{m}^2/\text{s}$	YPDF R (600-700 nm)	0.9105 $\mu\text{mol}/\text{m}^2/\text{s}$		
YPDF G (500-599 nm)	130.40 $\mu\text{mol}/\text{m}^2/\text{s}$	YPDF G (500-599 nm)	5.0183 $\mu\text{mol}/\text{m}^2/\text{s}$	YPDF G (500-599 nm)	9.0462 $\mu\text{mol}/\text{m}^2/\text{s}$	YPDF G (500-599 nm)	94.852 $\mu\text{mol}/\text{m}^2/\text{s}$	YPDF G (500-599 nm)	2.8929 $\mu\text{mol}/\text{m}^2/\text{s}$	YPDF G (500-599 nm)	19.455 $\mu\text{mol}/\text{m}^2/\text{s}$	YPDF G (500-599 nm)	2.0699 $\mu\text{mol}/\text{m}^2/\text{s}$		
YPDF B (400-499 nm)	397.28 $\mu\text{mol}/\text{m}^2/\text{s}$	YPDF B (400-499 nm)	110.40 $\mu\text{mol}/\text{m}^2/\text{s}$	YPDF B (400-499 nm)	90.029 $\mu\text{mol}/\text{m}^2/\text{s}$	YPDF B (400-499 nm)	90.051 $\mu\text{mol}/\text{m}^2/\text{s}$	YPDF B (400-499 nm)	64.505 $\mu\text{mol}/\text{m}^2/\text{s}$	YPDF B (400-499 nm)	3.3114 $\mu\text{mol}/\text{m}^2/\text{s}$	YPDF B (400-499 nm)	182.37 $\mu\text{mol}/\text{m}^2/\text{s}$		
YPDF UV (380-399 nm)	5.0483 $\mu\text{mol}/\text{m}^2/\text{s}$	YPDF UV (380-399 nm)	0.2383 $\mu\text{mol}/\text{m}^2/\text{s}$	YPDF UV (380-399 nm)	0.0728 $\mu\text{mol}/\text{m}^2/\text{s}$	YPDF UV (380-399 nm)	0.3355 $\mu\text{mol}/\text{m}^2/\text{s}$	YPDF UV (380-399 nm)	4.2758 $\mu\text{mol}/\text{m}^2/\text{s}$	YPDF UV (380-399 nm)	0.1283 $\mu\text{mol}/\text{m}^2/\text{s}$	YPDF UV (380-399 nm)	0.5323 $\mu\text{mol}/\text{m}^2/\text{s}$		
R/B	0.28	R/B	0.01	R/B	0	R/B	0.42	R/B	0.01	R/B	24.07	R/B	0		
R/FR	12.88	R/FR	1.13	R/FR	1.24	R/FR	8.01	R/FR	0.94	R/FR	32.97	R/FR	1.09		
Illuminance	73.872 lux	Illuminance	13.970 lux	Illuminance	12.118 lux	Illuminance	24.443 lux	Illuminance	8.1864 lux	Illuminance	11.576 lux	Illuminance	21.590 lux		
$\lambda_p$ (380-780 nm)	30017 nm	$\lambda_p$ (380-780 nm)	2884 nm	$\lambda_p$ (380-780 nm)	3561 nm	$\lambda_p$ (380-780 nm)	16614 nm	$\lambda_p$ (380-780 nm)	1528 nm	$\lambda_p$ (380-780 nm)	6239 nm	$\lambda_p$ (380-780 nm)	2091 nm		
$\lambda_D$ (380-780 nm)	443 nm	$\lambda_D$ (380-780 nm)	462 nm	$\lambda_D$ (380-780 nm)	471 nm	$\lambda_D$ (380-780 nm)	446 nm	$\lambda_D$ (380-780 nm)	463 nm	$\lambda_D$ (380-780 nm)	634 nm	$\lambda_D$ (380-780 nm)	445 nm		
CCT	460 K	CCT	468 K	CCT	475 K	CCT	470 K	CCT	468 K	CCT	604 K	CCT	452 K		
CRI	0	CRI	0	CRI	0	CRI	22461	CRI	0	CRI	0	CRI	0		



Leistungsangabe in Watt							
	Alle	Deep Blue	Lagoon Blue	Cool White	UV / Blue	Deep Red	Royal Blue
Hersteller	160	24	12	36	keine Angabe	12	48
Gemessen	167.8	38.1	38	49.9	24.8	29.1	34.4

