

Giesemann Verve Plus 180 Watt

Messinstrument: Spektrophotometer Lighting Passport Essence von LEDclusive
 Raumtemperatur: 19° Celsius
 Abstand von Sensor bis uk Modul: 30 cm Alter: neu

McCrees Action Spectrum		Chlorophyll A		Chlorophyll B	
Parameter	Value	Parameter	Value	Parameter	Value
PPFD (400~700 nm)	834.44 $\mu\text{mol}/\text{m}^2\text{s}$	PPFD (400~700 nm)	825.84 $\mu\text{mol}/\text{m}^2\text{s}$	PPFD (400~700 nm)	825.20 $\mu\text{mol}/\text{m}^2\text{s}$
PPFD IR (701~780 nm)	11.266 $\mu\text{mol}/\text{m}^2\text{s}$	PPFD IR (701~780 nm)	10.899 $\mu\text{mol}/\text{m}^2\text{s}$	PPFD IR (701~780 nm)	11.076 $\mu\text{mol}/\text{m}^2\text{s}$
PPFD R (600~700 nm)	150.15 $\mu\text{mol}/\text{m}^2\text{s}$	PPFD R (600~700 nm)	148.09 $\mu\text{mol}/\text{m}^2\text{s}$	PPFD R (600~700 nm)	147.85 $\mu\text{mol}/\text{m}^2\text{s}$
PPFD G (500~599 nm)	147.66 $\mu\text{mol}/\text{m}^2\text{s}$	PPFD G (500~599 nm)	145.61 $\mu\text{mol}/\text{m}^2\text{s}$	PPFD G (500~599 nm)	145.07 $\mu\text{mol}/\text{m}^2\text{s}$
PPFD B (400~499 nm)	536.74 $\mu\text{mol}/\text{m}^2\text{s}$	PPFD B (400~499 nm)	532.25 $\mu\text{mol}/\text{m}^2\text{s}$	PPFD B (400~499 nm)	532.40 $\mu\text{mol}/\text{m}^2\text{s}$
PPFD UV (380~399 nm)	8.5297 $\mu\text{mol}/\text{m}^2\text{s}$	PPFD UV (380~399 nm)	7.8939 $\mu\text{mol}/\text{m}^2\text{s}$	PPFD UV (380~399 nm)	7.6529 $\mu\text{mol}/\text{m}^2\text{s}$
YFPD (400~700 nm)	658.85 $\mu\text{mol}/\text{m}^2\text{s}$	YFPD (400~700 nm)	100.71 $\mu\text{mol}/\text{m}^2\text{s}$	YFPD (400~700 nm)	233.71 $\mu\text{mol}/\text{m}^2\text{s}$
YFPD (380~780 nm)	666.07 $\mu\text{mol}/\text{m}^2\text{s}$	YFPD (380~780 nm)	103.03 $\mu\text{mol}/\text{m}^2\text{s}$	YFPD (380~780 nm)	233.99 $\mu\text{mol}/\text{m}^2\text{s}$
YFPD IR (701~780 nm)	1.9632 $\mu\text{mol}/\text{m}^2\text{s}$	YFPD IR (701~780 nm)	0.0293 $\mu\text{mol}/\text{m}^2\text{s}$	YFPD IR (701~780 nm)	0.0000 $\mu\text{mol}/\text{m}^2\text{s}$
YFPD R (600~700 nm)	144.37 $\mu\text{mol}/\text{m}^2\text{s}$	YFPD R (600~700 nm)	20.481 $\mu\text{mol}/\text{m}^2\text{s}$	YFPD R (600~700 nm)	20.245 $\mu\text{mol}/\text{m}^2\text{s}$
YFPD G (500~599 nm)	125.57 $\mu\text{mol}/\text{m}^2\text{s}$	YFPD G (500~599 nm)	4.4703 $\mu\text{mol}/\text{m}^2\text{s}$	YFPD G (500~599 nm)	6.5725 $\mu\text{mol}/\text{m}^2\text{s}$
YFPD B (400~499 nm)	389.00 $\mu\text{mol}/\text{m}^2\text{s}$	YFPD B (400~499 nm)	75.756 $\mu\text{mol}/\text{m}^2\text{s}$	YFPD B (400~499 nm)	206.89 $\mu\text{mol}/\text{m}^2\text{s}$
YFPD UV (380~399 nm)	5.2116 $\mu\text{mol}/\text{m}^2\text{s}$	YFPD UV (380~399 nm)	2.2255 $\mu\text{mol}/\text{m}^2\text{s}$	YFPD UV (380~399 nm)	0.2151 $\mu\text{mol}/\text{m}^2\text{s}$
R/ B	0.28	R/ B	0.28	R/ B	0.28
R/ FR	13.33	R/ FR	13.59	R/ FR	13.35
Illuminance	72.096 lux	Illuminance	71.352 lux	Illuminance	71.298 lux
λ_p (380~780 nm)	29280 nm	λ_p (380~780 nm)	28800 nm	λ_p (380~780 nm)	28739 nm
λ_D (380~780 nm)	444 nm	λ_D (380~780 nm)	444 nm	λ_D (380~780 nm)	444 nm
CCT	459 K	CCT	459 K	CCT	460 K
CRI	0	CRI	0	CRI	0