



ChiLEDmau5 Puck

driver current	current per chip (ma)	chip level efficacy (μmol/J)	240v system efficacy HLG320+	240v system eff HLG240 -	120v system eff HLG320+	120v system eff HLG185
1050	70	2.68	2.546	2.5192		2.4924
1400	93	2.59	2.4605	2.4346	2.36985	2.4087
1750	116	2.48	2.356	2.3312	2.2692	2.3064
2100	140	2.35	2.2325	2.209	2.15025	2.1855
2300	153	2.3	2.185	2.162	2.1045	2.139

Meanwell Driver (constant current)	Efficiency (Typ.) 120V	Efficiency (Typ.) 240V	DC output voltage	# of pucks per driver	DC side watts per puck	Driver voltage Utilization (%)	Puck Voltage Utilization Tested
HLG-120H-C1050B	92.50%	94%	74-148V	3	47		
HLG-120H-C1400B	92.50%	94%	54-108V	2	64		
HLG-185H-C1050B	93%	94%	95-190V	4	47		
HLG-185H-C1400B	93%	94%	71-143V	3	64	94.40%	
HLG-240H-C1050B	91%	94%	119-238V	5	47		
HLG-240H-C1400B	91%	94%	89-179V	4	64		
HLG-240H-C1750B	91%	94%	71-143V	3	79		
HLG-240H-C2100B	91%	94%	59-119V	2	96		
HLG-320H-C1050B	91.50%	94.50%	152-305V	6	47		
HLG-320H-C1400B	91.50%	94.50%	114-229V	5	64		
HLG-320H-C1750B	91.50%	94.50%	91-183V	4	79	98%	
HLG-320H-C2100B	91.50%	94.50%	76-152V	3	96		
HLG-480H-C1400B	92.50%	95%	171-343V	7	64		
HLG-480H-C1750B	92.50%	95%	137-274V	6	79		
HLG-480H-C2100B	92.50%	95%	114-229V	5	96		

Meanwell Driver (constant voltage)	Efficiency (Typ.) 120V	Efficiency (Typ.) 240V	DC CURRENT(A)	MIN # OF PUCKS	CURRENT PER PUCK	WATTS PER PUCK (W)
HLG-60H-48	90%	91%	1.3	1	1.3	62.4
HLG-80H-48	90%	91%	1.7	1	1.7	81.6
HLG-100H-48	91%	92%	2	1	2	96
HLG-120H-48	92.50%	93.50%	2.5	2	1.25	60
HLG-150H-48	91%	93.50%	3.2	2	1.6	76.8
HLG-185H-48	91%	93.50%	3.9	2	1.95	93.6

HLG-240H-48	90%	93.50%	5	3	1.666666667	80
HLG-320H-48	91.50%	95%	6.7	3	2.233333333	107.2
HLG-480H-48	94%	95.50%	10	5	2	96
HLG-600H-48	94.5	96%	12.5	6	2.083333333	100

Alternative Drivers

					wiring method	
HBG-100-48 ('b'dimmable)	89%	91%	2	1	direct wire single	100
LPC-100-1050 (cc)(no dim)	89%	90%	1050ma	2	series	50
LPC-100-2100 (cc)(no dim)	89%	90%	2100ma	1	direct wire single	100
HEP-100-48	92%	93%	2	1	direct wire single	100
HDR-100-48N (DIN rail mount)	90%	90%	2.1	1	direct wire single	101
MDR-100-48 (DIN rail mount)	87%	87%	2	1	direct wire single	100
DRT-960 (3 phase 340-550VAC)	92%	92%	20	10	parallel*	100
ELN-60-48 (1-10v dimmable)	88%	88%	1.3	1	direct wire single	60