

PHOTOMETRICS

Classic Series/Series 200: DLH200D, DLH4 (100 W), DLH4 (150 W), DLOBA²

Distance	Meter	1	2	3	5	10	15	20
	Feet		3.3'	6.6'	9.8'	16.4'	32.8'	49.2'

		Lamp: DD 200HR (Daylight, 5500 K)								
		Meter	0.9	1.8	2.7	4.5	9	13	18	
DLH200D	Flood 48°	Lit Diameter	Feet	3'	6'	8.9'	15'	30'	43'	60'
		Intensity	Lux	8505	2126	945	340	86	–	–
			Foot – Candle	790	198	88	32	9	–	–
	Med 27°	Lit Diameter	Feet	1.6'	3.2'	4.6'	8'	16'	24'	32'
		Intensity	Lux	36000	9000	4000	1440	360	160	90
			Foot – Candle	3346	836	372	134	33	15	8.4
Spot 4.5°	Lit Diameter	Feet	0.3'	0.53'	0.8'	1.3'	2.6'	4'	5.3'	
	Intensity	Lux	121500	30375	13500	4860	1215	540	304	
		Foot – Candle	11292	2823	1255	452	113	50	28	

		Lamp: 150 W / 24 V (DL – 150) at 24.4 V (Tungsten, 3400 K)								
		Meter	0.9	1.8	2.7	4.5	9	13	18	
DLH4 150 W	Flood 48°	Lit Diameter	Feet	3'	6'	8.9'	15'	30'	43'	60'
		Intensity	Lux	4000	1000	445	160	–	–	–
			Foot – Candle	372	93	41	14.9	–	–	–
	Med 27°	Lit Diameter	Feet	1.6'	3.2'	4.6'	8'	16'	24'	32'
		Intensity	Lux	19800	4950	2200	790	198	88	–
			Foot – Candle	1840	460	204	73	18.4	8.2	–
Spot 4.5°	Lit Diameter	Feet	0.3'	0.53'	0.8'	1.3'	2.6'	4'	5.3'	
	Intensity	Lux	81900	20475	9100	3276	819	364	205	
		Foot – Candle	7611	1903	846	304	76	34	19	

		Lamp: 100 W / 12 V (DL – 100) at 12.4 V (Tungsten, 3400 K)								
		Meter	0.9	1.8	2.7	4.5	9	13	18	
DLH4 100 W	Flood 48°	Lit Diameter	Feet	3'	6'	8.9'	15'	30'	43'	60'
		Intensity	Lux	2160	540	240	86	21	–	–
			Foot – Candle	200	50	22	8	2	–	–
	Med 27°	Lit Diameter	Feet	1.6'	3.2'	4.6'	8'	16'	24'	32'
		Intensity	Lux	12960	3240	1440	518	130	–	–
			Foot – Candle	1204	301	134	48	12	–	–
Spot 4.5°	Lit Diameter	Feet	0.3'	0.53'	0.8'	1.3'	2.6'	4'	5.3'	
	Intensity	Lux	49500	12375	5500	1980	495	220	124	
		Foot – Candle	4600	1150	511	184	46	20.4	11.5	

		Lamp: 50 W / 12 V (D – 50) at 12.4 V (Tungsten, 3400 K)								
		Meter	1.4	2.8	4.2	7	14	21	28	
DLOBA ²	Flood 70°	Lit Diameter	Feet	4.6'	9.2'	13.8'	23'	46'	68.9'	91.8'
		Intensity	Lux	927	232	103	37	–	–	–
			Foot – Candle	86	22	10	3	–	–	–
	Spot 6°	Lit Diameter	Feet	0.3'	0.7'	1'	1.7'	3.4'	5.2'	6.9'
		Intensity	Lux	9207	2302	1023	368	92	41	23
			Foot – Candle	855	214	95	34	9	4	2

Classic Series/Series 200: Classic Imager

Distance	Meter	0,5	1	2	3	4	5	7
	Feet	1.6'	3.3'	6.6'	9.8'	13.1'	16.4'	23'

60 mm f 2.8	Diameter round	cm	40	80	160	240	320	400	560
		inch	16"	32"	64"	95"	128"	160"	224"
	Size square	cm	25 x 25	50 x 50	100 x 100	150 x 150	200 x 200	250 x 250	350 x 350
		inch	10" x 10"	20" x 20"	40" x 40"	60" x 60"	80" x 80"	100" x 100"	140" x 140"
	DLH4 – 100 W at 12.4 V (Tungsten, 3400 K)	Lux	7295	1575	360	155	90	53	–
		Foot – Candle	678	146	33	14.4	8.4	5	–
	DLH4 – 150 W at 24.4 V (Tungsten, 3400 K)	Lux	8646	2830	628	270	150	96	–
		Foot – Candle	803	263	58	25	14	9	–
	DLH – 200D (Daylight, 5400 K)	Lux	17280	4320	1080	480	270	173	88
		Foot – Candle	1606	402	100	45	25	16	8.2

85 mm f 2.8	Diameter round	cm	30	60	120	180	240	300	420
		inch	12"	24"	47"	72"	96"	120"	168"
	Size square	cm	17 x 17	35 x 35	70 x 70	105 x 105	140 x 140	175 x 175	245 x 245
		inch	6.7" x 6.7"	13" x 13"	27" x 27"	40" x 40"	54" x 54"	67" x 67"	90" x 90"
	DLH4 – 100 W at 12.4 V (Tungsten, 3400 K)	Lux	9806	3245	638	292	164	99	50
		Foot – Candle	911	301	59	27	15	9.2	4.6
	DLH4 – 150 W at 24.4 V (Tungsten, 3400 K)	Lux	14575	4867	1089	450	258	157	79
		Foot – Candle	1355	452	101	42	24	14.6	7.3
	DLH – 200D (Daylight, 5400 K)	Lux	41400	10350	2588	1150	647	414	211
		Foot – Candle	3848	962	241	107	60	39	20

185 mm f 3.5	Diameter round	cm	10	20	40	60	80	100	140
		inch	4"	8"	16"	24"	32"	40"	56"
	Size square	cm	7 x 7	14 x 14	28 x 28	42 x 42	56 x 56	70 x 70	98 x 98
		inch	2.8" x 2.8"	5.6" x 5.6"	11" x 11"	17" x 17"	22" x 22"	28" x 28"	39" x 39"
	DLH4 – 100 W at 12.4 V (Tungsten, 3400 K)	Lux	40456	15584	3476	1430	777	472	260
		Foot – Candle	3760	1448	323	133	72	44	24
	DLH4 – 150 W at 24.4 V (Tungsten, 3400 K)	Lux	61739	29147	6163	2456	1428	807	417
		Foot – Candle	5738	2708	573	228	133	75	39
	DLH – 200D (Daylight, 5400 K)	Lux	198000	49500	12375	5500	3094	1980	1010
		Foot – Candle	18401	4600	1150	511	288	184	94

Conversion factors

To obtain photometric values for light head/bulb or light head/imager combinations that are not listed in the photometric tables, multiply the values from the tables with the conversion factors listed below.

Conversion for classic series (p. 34) and series 200 (p. 30).

DLH200D used with a 3200 K bulb	= 0.95
DLH4 (150 W) switched/dimmed to 3200 K	= 0.82
DLH4 (100 W) 3400 K switched/dimmed to 3200 K	= 0.66
DLH4 used with 50 W/3400 K bulb	= 0.70
DLH4 used with 50 W/3400 K bulb at 3200 K	= 0.56

Conversion for classic series and series 200 with imager projection attachment (p. 48).

DLH4 (100 W) 3400 K switched/dimmed to 3200 K	= 0.65
DLH4 (100 W) 3400 K with a 2000 h lamp	= 0.85
DLH4 (150 W) 3400 K switched/dimmed to 3200 K	= 0.80
DLH200D used with a 3200 K lamp	= 0.75

PHOTOMETRICS

Classic Series/Series 200: Imager Projection Attachment Zooms

Distance	Meter	0.5	1	2	3	4	5	7
	Feet	1.6'	3.3'	6.6'	9.8'	13.1'	16.4'	23'

70 – 120 mm f 3.5 (at 70 mm)	Diameter round	cm	32.5	65	130	195	260	325	455
		inch	13"	26"	52"	78"	104"	130"	182"
	Size square	cm	23 x 23	46 x 46	92 x 92	138 x 138	184 x 184	230 x 230	322 x 322
		inch	9" x 9"	18" x 18"	36" x 36"	54" x 54"	72" x 72"	90" x 90"	126" x 126"
	DLH4 – 100 W at 12.4 V (Tungsten, 3400 K)	Lux	9875	3292	780	364	198	130	62
		Foot – Candle	918	306	73	34	18	12	5.8
	DLH4 – 150 W at 24.4 V (Tungsten, 3400 K)	Lux	17820	4455	1114	496	279	178	90
		Foot – Candle	1656	414	104	46	26	17	8.4
	DLH – 200D (Daylight, 5400 K)	Lux	25740	6435	1609	715	402	257	131
		Foot – Candle	2392	617	150	67	37	24	12

70 – 120 mm f 3.5 (at 120 mm)	Diameter round	cm	19.5	39	78	117	156	195	273
		inch	7.7"	15"	30"	45"	60"	75"	105"
	Size square	cm	14 x 14	28 x 28	55 x 55	83 x 83	110 x 110	138 x 138	193 x 193
		inch	5.5" x 5.5"	11" x 11"	22" x 22"	33" x 33"	44" x 44"	55" x 55"	66" x 66"
	DLH4 – 100 W at 12.4 V (Tungsten, 3400 K)	Lux	26166	6542	1920	718	476	260	125
		Foot – Candle	2432	607	178	67	44	24	38149
	DLH4 – 150 W at 24.4 V (Tungsten, 3400 K)	Lux	46440	11610	2904	1290	726	464	237
		Foot – Candle	4316	1079	270	120	67	43	22
	DLH – 200D (Daylight, 5400 K)	Lux	69120	17280	4320	1920	1080	691	353
		Foot – Candle	6424	1606	402	178	100	64	33

85 – 150 mm f 3.5 (at 85 mm)	Diameter round	cm	30	60	120	180	240	300	420
		inch	12"	24"	47"	71"	94"	118"	165"
	Size square	cm	21 x 21	42 x 42	85 x 85	127 x 127	170 x 170	212 x 212	297 x 297
		inch	8.3" x 8.3"	17" x 17"	33" x 33"	50" x 50"	67" x 67"	83" x 83"	117" x 117"
	DLH4 – 100 W at 12.4 V (Tungsten, 3400 K)	Lux	11160	2790	698	310	174	112	57
		Foot – Candle	1037	259	65	29	16	10	38051
	DLH4 – 150 W at 24.4 V (Tungsten, 3400 K)	Lux	16668	4167	1042	463	260	167	85
		Foot – Candle	1549	387	98	43	24	16	8
	DLH – 200D (Daylight, 5400 K)	Lux	36000	9000	2250	1000	563	360	184
		Foot – Candle	3346	836	209	93	52	34	17

85 – 150 mm f 3.5 (at 150 mm)	Diameter round	cm	17.5	35	70	105	140	175	245
		inch	7"	14"	28"	41"	55"	69"	97"
	Size square	cm	12.3 x 12.3	25 x 25	50 x 50	74 x 74	99 x 99	124 x 124	173 x 173
		inch	4.8" x 4.8"	9.8" x 9.8"	20" x 20"	29" x 29"	39" x 39"	49" x 49"	68" x 68"
	DLH4 – 100 W at 12.4 V (Tungsten, 3400 K)	Lux	27144	6786	1697	754	424	271	138
		Foot – Candle	2523	631	158	70	39	25	13
	DLH4 – 150 W at 24.4 V (Tungsten, 3400 K)	Lux	47880	11970	2993	1330	748	479	244
		Foot – Candle	4450	1113	278	124	70	45	23
	DLH – 200D (Daylight, 5400 K)	Lux	99000	24750	6188	2750	1547	990	505
		Foot – Candle	9201	2300	575	256	144	92	47

Dedocool

The special qualities of extreme intensity and low heat are mainly effective at short distances.

Distance	Meter	0.2	0.3	0.4	0.5
	Inch	7.9"	11.8"	15.8"	19.7"

		Lamp: 250 W / 24 V				
dedocool	Lit Diameter	Meter	0.06	0.07	0.09	0.12
		Inch	2.36"	2.76"	3.54"	4.72"
	Intensity	Lux	2,390,000	1,130,000	580,000	370,000
		Foot - Candle	222,031	104,997	53,882	34,737
	Temp	° C	59	42	35	31

Dedolight Softlights: DLH150S, DLH300S, DLH4 x 150S, DLH1000S/SPLUS, DLH200S, DLH400S

Distance	Meter	3
	Feet	9.8'

Distance	Meter	3
	Feet	9.8'

DLH150S	Lamp: 150 W / 24 V at 24.4 V (Tungsten, 3400 K)		
	silver small	Lux	78
		Foot - Candle	7.2
	silver med	Lux	81
Foot - Candle		7.5	

DLH200S	Lamp: 200 W (Daylight, 5500 K)		
	silver small	Lux	245
		Foot - Candle	23
	silver med	Lux	191
Foot - Candle		18	

DLH300S	Lamp: 300 W / 230 V at 230 V (Tungsten, 3200 K)		
	silver small	Lux	70
		Foot - Candle	6,5
	silver med	Lux	73
Foot - Candle		6,7	

DLH400S	Lamp: 400 W at 575 W (Daylight 5500 K)		
	silver med	Lux	645
		Foot - Candle	60
	silver large	Lux	724
		Foot - Candle	67
	octodome	Lux	810
Foot - Candle		75	

DLH4 x 150S	Lamp: 150 W / 24 V at 24.4 V (Tungsten, 3200 K)		
	silver small	Lux	310
		Foot - Candle	29
	silver med	Lux	290
		Foot - Candle	27
	silver large	Lux	255
Foot - Candle		23	

Conversion factors (see page 93) for softlights

DLH200S used with a 3200 K lamp = 0.95

DLH400S run at 400 W = 0.65

DLH1000S	Lamp: 1000 W / 230 V (Tungsten, 3200 K)		
	silver small	Lux	330
		Foot - Candle	31
	silver med	Lux	384
		Foot - Candle	36
	silver large	Lux	446
		Foot - Candle	41
	octodome	Lux	495
Foot - Candle		46	