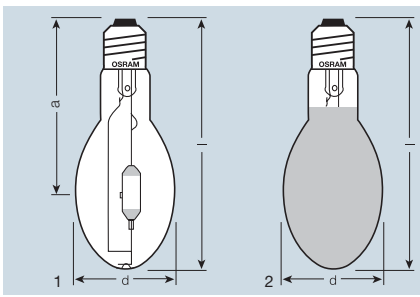
Metal halide lamps
E elliptical, E40 base, for enclosed luminaires



Product reference	Product number	W	lm		d [mm]	l max. [mm]	LCL a [mm]	No.	
Quartz technology POWERSTAR® HQI®-E, clear									
HQI-E 400/N clear[1)]	4050300**292632**	440	42000	E40	120	285	198	1	12
Quartz technology POWERSTAR® HQI®-E, coated									
HQI-E 250/D	4050300**015248**	250	19000	E40	90	226	–	2	12
HQI-E 400/D[1)]	4050300**019727**	400	34000	E40	120	290	–	2	12
HQI-E 400/N[1)]	4050300**305431**	400	40000	E40	120	285	–	2	12
HQI-E 1000/N	4050300**015279**	1000	100000	E40	165	380	–	2	6

POWERSTAR® HQI®-E lamps are single-ended ellipsoidal lamps of medium to high wattage. Approved for use in enclosed luminaires.

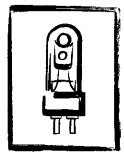
Benefits
- Output of up to 1000 W
- Long life
- Good colour rendering
- E40 screw base for simple lamp handling
- Available in clear and coated versions

Applications
- Large halls
- Downlights in industry, offices and department stores

1) Operate with NAV® control gear. If operated with HQI® control gear see "Technical data" from page 5.37

Technical data

Reference	Lamp current A	Approx. system power with control gear W	PFC capacitor at 50 Hz µF[1]	Circuit diagram No.[2]	Luminous flux lm	Luminous efficacy of lamp lm/W	Colour rendering group	Colour temperature K	Approx. average luminance cd/cm²	Burning position[3]
HQI-E 150/NDL[7][8]	1.8	170	20	2/9	10500	70	1 B	3800	–	universal
HQI-E/P 250/D	3.0	275	32	2	17000	71	1 A	6000	–	universal
HQI-E 250/D	3.0	275	32	2	19000	76	1 A	5200	20	universal[4]
HQI-E/P 400/D[6]	3.8	420	45	2	27000	68	1 A	4500	–	universal
HQI-E/P 400/D[5]	3.5	400	35	2	23000	67	1 A	5000	–	universal
HQI-E 400/D[6]	3.8	460	45	2	30000	76	1 A	5900	17	universal
HQI-E 400/D[5]	3.6	400	35	2	26000	72	1 A	5800	10	universal
HQI-E 400/N clear[5][7]	3.5	405	35	2	36000	97	2 B	3600	–	universal
HQI-E 400/N clear[6][7]	4.2	460	45	2	45000	112	2 A	4000	–	universal
HQI-E 400/N[5][7]	3.5	405	35	2	34000	92	2 B	3600	–	universal
HQI-E 400/N[6][7]	4.2	460	45	2	43000	107	2 A	4000	–	universal
HQI-E 1000/N	9.5	1065	85	2	95000	80	2 B	3900	23	h 45
HQI-R 150/NDL/FO[8]	1.8	170	20	2/9	11000	73	1 B	4200	–	p 15
HQI-T 70/NDL[8]	1.0	91	12	2/9	5500	73	1 B	4200	5300	universal
HQI-T 70/WDL[8]	1.0	91	12	2/9	5200	69	1 B	3000	5000	universal
HQI-T 150/NDL[8]	1.8	170	20	2/9	13000	87	1 B	4200	8300	universal
HQI-T 150/WDL[8]	1.8	170	20	2/9	13000	87	1 B	3000	8000	universal
HQI-T 250/D	3.0	275	32	2	20000	80	1 A	5300	1100	universal[4]
HQI-BT 400/D[6][15]	4.0	460	45	2	32000	76	1 A	5200	1400	universal
HQI-BT 400/D[5][15]	3.5	400	35	2	25000	69	1 A	6100	650	universal
HQI-T 400/N[5][7]	3.6	420	35	2	34000	89	2 B	3800	–	p 45
HQI-T 400/N[6][7]	4.1	460	45	2	42000	100	2 B	3700	–	p 45
HQI-T 400 BLUE	3.6	400	45	2	–	–	–	–	–	universal
HQI-T 400 GREEN	3.6	400	45	2	–	–	–	–	–	universal
HQI-T 1000/D	9.5	1065	85	2	80000	80	1 A	6000	810	p 60
HQI-T 2000/D	10.3	2080	60	2	180000	90	1 A	6000	920	p 60
HQI-T 2000/D/I	10.3	2080	60	1	180000	90	1 A	6000	920	p 60
HQI-T 2000/N[10]	8.8	2070	37	1	200000[9]	100	2 B	4500	530	universal[11]
HQI-T 2000/N/230 V[14]	16.5	2070	125	2	190000	95	2 B	4500	530	p 30
HQI-T 2000 N/E SUPER	8.8	2080	37	2	220000[9]	120	2 B	4000	800	p 30
HQI-T 2000/N/SN SUPER[12]	8.8	2080	37	2	220000[13]	120	2 B	4000	800	p 30
HQI-TS 70/D[8]	1.0	95	12	2/3/9	5000	67	1 B	5200	1500	p 45
HQI-TS 70/NDL[8]	1.0	89	12	2/3/9	5500	75	1 B	4000	1650	p 45
HQI-TS 70/WDL[8]	1.0	94	12	2/3/9	5000	64	1 B	3000	1500	p 45
HQI-TS 150/D[8]	1.8	170	20	2/3/10	11000	73	1 B	5200	1500	p 45
HQI-TS 150/NDL[8]	1.8	170	20	2/3/10	11250	75	1 B	4200	1500	p 45
HQI-TS 150/WDL[8]	1.8	170	20	2/3/10	11000	73	1 B	3000	2400	p 45
HQI-TS 250/D[8]	3.0	275	32	2/3	20000	80	1 A	5100	1500	p 45
HQI-TS 250/NDL[8]	3.0	275	32	2/3	20000	80	1 B	4200	1350	p 45
HQI-TS 250/WDL[8]	2.8	275	32	2/3	22000	88	1 B	3200	1600	p 45
HQI-TS 400/D[6]	4.1	440	45	2/3	36000	90	1 A	5200	1400	p 45
HQI-TS 400/D[5]	3.6	385	35	2/3	28000	80	1 A	5600	1100	p 45



1) At rated voltage and cos φ ≥ 0.9
2) For circuit diagrams see page 5.34
3) For examples see page 5.36
4) Colour shifts are possible in the base-down burning position
5) With HQI® control gear
6) With NAV® control gear
7) For reduction in luminous flux see page 5.14, footnote 1)
8) For the advantages of operation with POWERTRONIC® see Chapter 9
9) 170,000 lm in the vertical burning position
10) No igniter required
11) p 30 recommended
12) Lamps ignite at an ignition voltage of 0.9 to 1.3 kVs
13) With 10.3 A control gear
14) Specially developed for 230 V control gear. Excellent luminous flux behaviour: 190,000 lumen after 4000 hours of operation
15) Data applies also to discontinued type HQI®-T 400 W/D