

GX5.3 specular 50 mm



GY5.3 faceted 50 mm



GZ4 specular 35 mm



GZ4 stippled 35 mm



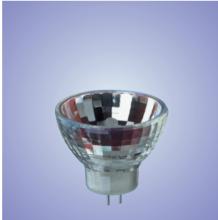
GX5.3 faceted 42 mm



GX5.3 faceted 50 mm



GZ6.35 specular 50 mm



GZ4 faceted 35 mm



GX7.9 smooth 57 mm



GX7.9 smooth 44.5 mm

Features

Quartz halogen lamps for optical applications with an integral reflector which serves as an efficient mirror condenser system. Their glass reflectors have a dichroic coating which reflects the light forward. But radiates about 75% of the generated heat backwards, keeping temperatures within safe limits.

The halogen burner is precisely aligned using an optical system so that no re-alignment is necessary when relamping.

They offer negligible light output depreciation and high efficacy.

Low voltage halogen lamps should not be dimmed by more than 10% of their rated voltage since this will result in a reduction in life.

Standard tungsten filament lamps (with no halogen filling), can be dimmed to zero volts, resulting in virtually endless life. However if low voltage tungsten halogen lamps are dimmed by more than 10%, the lamp will be operating at a too low temperature and the free halogens in the gas fill, will attack the cooler parts of the tungsten filament i.e. where enters the quartz or glass envelope. The wire at that point will then be eroded and eventually will fail.

So if dimmed by 10% or more, low voltage tungsten halogen lamps will not have an extended life but are unlikely even to reach their rated life.

Applications

- 8/16 mm film projection.
- · Slide projection.
- Enlargers.
- Minilabs / Colour printers.
- · Overhead projection.
- Medical equipment.
- · Solar simulation.
- · Measuring equipment.
- Fiber optical applications.

















FH

Туре	ANSI Code	LIF Code	J Code	Fig.	Burning position	Lamp life	Maximum permissible pinch temp.	Maximum permissible bulb temp.	Ordering number	
	EL/7				000	h	degr.C	degr.C	02.47.020.47700	
-	EKZ	-	-	1	S90	200	400	900	9247 938 16600	
-	EPN	-	-	1	S90	50	400	900	9248 036 17100	
-	EPT	-	-	1	S90	8000	350	900	9248 037 16600	
12120	EFN	-	-	1	S90	50	400	900	9248 001 17100	
13139	-	- 44/220	-	1	S105	25	400	900	9238 968 17100	
6853	EFN DDM	A1/230	-	1	S105 S90	50 50	400 350	900 900	9239 166 17100 9240 412 19500	
-	EKE/ENA	-	-	1	S90	25		900	9248 022 22100	
		-	•	1	S90	25	350 400	900	9248 022 22100	
	EJY	-	JER 82-85	1	S90	40	400	900	9248 046 28800	
6834	ESJ EFP	-	JEN 02-03	1	S90	50	400	900	9248 002 17100	
13117	EFF	-	-	1	UNIVERSAL	1000	350	900	9239 158 19100	
6423	- EFR	A1/232	•	1	S105	50	400	900	9239 168 18500	
6423	EFF	A1/232	ICR 20-150 H5	1	S90	500	350	900	9248 123 19700	
14527	EIA	-	JCN 20-130 H3	1	S90	40	400	900	9239 411 19800	
13629	EKE	-	-	1	S90	200	400	900	9240 103 19800	
5995	EJM	-	<u>-</u>	1	S90	40	400	900	9239 210 19800	
3773	EIV	-	<u> </u>	1	S90	40	400	900	9247 937 19800	
14529	DNF	-	<u> </u>	2	P4	25	400	900	9240 413 19800	
17327	ELZ	-	<u>-</u>	2	P4	60	400	900	9247 940 19800	
	DNE			2	P4	12	400	900	9247 927 36300	
	ESD	-	<u> </u>	1	S90	12	400	900	9248 044 36300	
13164	EJL	A1/252		1	S90	50	400	900	9239 211 20500	
13630	EWF	7117232		1	S90	50	400	900	9248 052 20577	
13030	EMM			2	P4	50	400	900	9248 033 20500	
_	-	_	IER 24-250	1	S90	50	400	900	9248 139 20577	
13163	ELC	A1/259	JEIN 2 1-250	1	S105	35	400	900	9239 197 20500	
-	ELC	A1/259		1	\$90	50	400	900	9248 025 20577	
13631	ELC/FA	A1/259	ELC 24-250/FA	1	S90	50	400	900	9240 105 20500	
-	ELC/5H		JCR 24-250 5H	1	S90	500	350	900	9248 627 20500	
13830	EVW	_	-	1	S90	50	400	900	9240 060 28800	
13632	EXY	_	_	1	S90	250	350	900	9240 106 28800	
.5052	ETI	_	_	1	S90	175	400	900	9247 949 36300	
13095	ENH	_	-	1	S90	175	400	900	9239 215 36300	
-	ENH-5	_	-	1	S90	175	400	900	9247 942 35500	
13633	EXW	_	-	1	S90	15	400	900	9240 107 28800	
13634	FHS	-	-	1	S90	70	400	900	9240 108 28800	
14502	EXR	-	-	1	S90	35	400	900	9240 109 28800	
_	EXR-5	-		1	S90	35	400	900	9247 950 35500	
_	FHS-5	-	-	1	S90	70	400	900	9247 959 35500	
_	-	-	JCR 100-300 X1	1	S90	50	400	900	9248 119 30900	
-	-	-	ICR 100-300	1	S90	50	400	900	9248 117 30900	
13096	ELH	-	-	1	S90	35	400	900	9239 209 36300	
-	ENG	-	-	1	S90	15	400	900	9247 941 36300	
_	ELH-5	_	_	1	S90	35	400	900	9239 209 35500	
13098	ERV	-	-	1	S90	75	400	900	9248 040 23300	
13824	ENX	-	-	1	S90	75	400	900	9240 058 28800	
-	ENX-5	-	-	1	S90	75	400	900	9247 943 35500	
14526	FXL	-	-	1	S90	50	400	900	9240 410 28800	

GY5.3

82

410

3300

50

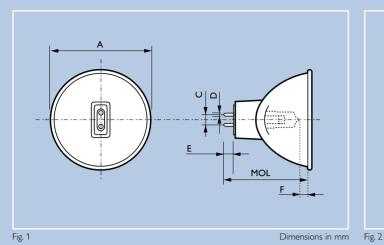
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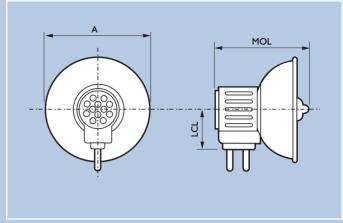
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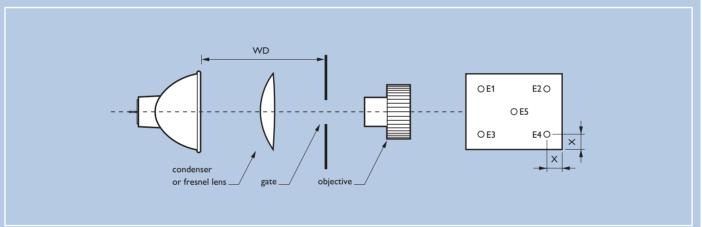
14526

FXL









Optical system

445

50.7

5.3

 0.7×2.0

< 0

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14526

FXL

Туре	ANSI	LIF	J	Candle	Beam	WD	Dimensions	Condensor	Objective	Objective	Screen	X		Corner
	Code	Code	Code	power	spread	in mm	gate		f		size	mm	centre	centre
				max. cd	degrees full beam				mm		mm		intensity lux	ratio %
_	EKZ	-	-	-	-	38.1	5.36 × 4.01	yes	19	1.3	500 × 375	50 × 50	400	
-	EPN	-	-	-	-	29	5.36 × 4.01	yes	19	1.3	500 × 375	50 × 50	350	40
-	EPT	-	-	-	-	29	5.36×4.01	yes	19	1.3	500×375	50×50	250	20
-	EFN	-	-	-	-	32	5.36 × 4.01	yes	19	1.3	500×375	50×50	950	50
13139		-	-	-	-		in adapted cold	our enlager	-	-	-	4500	-	-
6853	EFN	A1/230	-	-	-	32	5.2 × 3.9	-	11	1.1	1200 × 900	40 × 40	250 slm	60
-	DDM	-	-	-	-	154.2	40.9 ø	yes	100	2.9	1113 × 835	58 × 59	680	15
-	EKE/ENA	-	-	-	-	44.5	5.41 × 4.04	yes	19	1.3	500 × 375	50 × 50	750	40
-	EJY	-	- IED 02 0E	-	-	38.1	5.36 × 4.01	yes	19	1.3	500 x 375	50 × 50	900	40
- (024	ESJ EFP	-	JER 82-85	-	-	32 32	12 ø	yes	50	1.4	1000 x 750	52 × 52	300 300	35
6834 13117	EFF		-	23000	24	3Z -	5.2 × 3.9	-	11	1.1	1200 × 900	40 × 40	300	62
6423	EFR	A1/232	-	23000	24	32	5.2 × 3.9		11	1.1	1200 × 900	40 × 40	300	62
14527	EIA	AIIZJZ	-			28	5.36 × 4.01	yes	19	1.1	500×375	50 × 50	1200	50
13629	EKE					44.5	5.36 × 4.01	yes	19	1.3	500 x 375	50 × 50	900	45
5995	EJM					38.1	5.36 × 4.01	yes	19	1.3	500 x 375	50 × 50	1200	50
-	EIV	_	_	_	_	44.5	5.36 × 4.01	yes	19	1.3	500 x 375	50 × 50	1500	40
14529	DNF	_	_	_	_	69.1	6.6 ø	no	25	1.0	500 x 375	50 × 50	2100	50
-	ELZ	-	_	-		69.1	6.6 ø	no	25	1.0	500 × 375	50 × 50	1600	50
_	DNE	-	-	-	-	69.1	5.36 × 4.01	no	15-25	1.3	500 × 375	50 × 50	900	40
-	ESD	-	-	-	-	44.5	12 ø	yes	50	1.4	1000 × 750	52 × 52	350	20
13164	EJL	A1/252	-	-	-	31.7	12 ø	yes	50	1.4	1000 × 750	52 × 52	1100	50
13630	EWF	-	-	-	-	298.5	no gate	fresnel	in 3M	OHP	1500 × 1500	250 × 250	800	32
-	EMM	-	-	-	-	65.8	12 ø	no	50	1.2	1113 × 835	58 × 58	750	55
-	-	-	JER 24-250	-	-	31.8	12 ø	yes	50	1.4	1000×750	50×50	900	60
13163	ELC	A1/259	-	-	-	32	7.05×9.65	no	35	1.3	900 × 1200	40 × 40	850 slm	60
-	ELC	A1/259	-	-	-	31.7	12 ø	yes	50	1.2	1000×750	52×52	1500	50
13631	ELC/FA	A1/259	ELC 24-250/FA	-	-	31.7	12 ø	yes	50	1.2	1000×750	52×52	1500	50
-	ELC/5H	-	JCR 24-250 5H	-	-	31.8	12 ø	yes	50	1.2	1000×750	52×52	960	50
13830	EVW	-	-	-	-	298.5	no gate	fresnel	in Sankosya		1500 × 1500	250×250	1250	40
13632	EXY	-	-	-	-	152.4	no gate	yes	100		1113 × 835	58 × 58	610	46
12005	ETJ	-	-	-	-	36.5	12 ø	yes	50	1.2	1000 × 750	52 × 52	800	25
13095	ENH	-	-	-	-	152.4	no gate	yes	100	2.9	1113 × 835	58 × 58	800	40
12/22	ENH-5	-	-	-	-	152.4 152.4	no gate	yes	100	2.9	1113 x 835	58 × 58	700	40
13633 13634	EXW FHS		-	-	-	152.4	no gate	yes	100	2.9 2.9	1113 × 835 1113 × 835	58 × 58 58 × 58	1200 1000	46
14502	EXR		-		-	152.4	no gate	yes	100	2.7	1113 x 835	58 x 58	1100	46
17302	EXR-5	-	-	-		152.4	no gate no gate	yes yes	100	2.9	1113 x 835	58 × 58	1100	46
	FHS-5					152.4	40.9 ø	yes	100	2.9	1113 × 835	58 × 58	1000	46
	1115-5		ICR 100-300 X1			298.5	no gate	fresnel	in Sankosya		1500 × 1500	250×250	1380	40
		_	ICR 100-300			31.7	no gate	yes	50			52 × 52	1200	55
13096	ELH	_	-	-	_	152.4	no gate	yes	85		1000 × 1000	125 × 125	850	45
-	ENG	_	_	_	_	152.4	no gate	yes	100	2.9	1113 × 835	58 × 58	1350	35
-	ELH-5	_	_	-	_	152.4	no gate	yes	85		1000 × 1000	125 × 125	1350	40
13098	ERV	_	_	-	-	298.5	no gate	fresnel	in 3M		1500 × 1500	250 × 250	1050	27
13824	ENX	-	-	-	-	298.5	no gate	fresnel	in ELMO		1250 × 1250	210 × 210	4300	25
-	ENX-5	-	-	-	-	298.5	no gate	fresnel	in ELMO		1250 × 1250	210 × 210	4300	25
14526	FXL	-	-	-	-	298.5	no gate	fresnel	in ELMO		1250 × 1250		4700	34
							8							