



# AIRFIELD *Ground Lighting*



# SYLVANIA

by Sylvania Lighting International

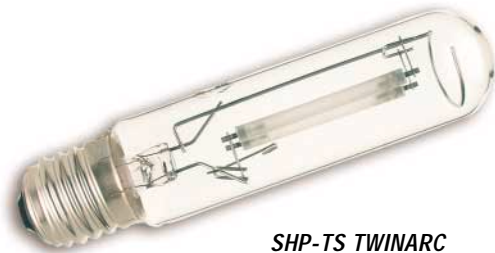
# AIRFIELD *Ground Lighting*

## *GENERAL AIRFIELD LIGHTING*

Airfields require sustained permanent lighting in order to ensure safety. Reliable light sources are a must in providing maximum visibility for taxiing aircrafts.

Sylvania has developed SHP TwinArc lamps, a range of high pressure sodium lamps equipped with two arc tubes.

The advantages of these SHP TwinArc products are multiple : high light output, extreme long life and instant restart. These unique features make SHP TwinArc the optimal solution for Airfield lighting



*SHP-TS TWINARC*



*SHP-S TWINARC*

## *SHP TWINARC DOUBLES THE LIFE, HALVES THE PROBLEMS*

SHP TwinArc lamps are super high pressure sodium lamps equipped with two arc tubes. As well as providing high lumen output up to 138 Lumen/Watt and doubling average rated lamp life up to 55 000 hours, therefore extending the time between lamp replacement intervals, TwinArc reliability substantially reduces the likelihood of early lamp failures.

Using SHP TwinArc for Airfield lighting significantly reduces maintenance costs as the time interval between group replacements is extended and costly spot replacements are virtually eliminated.

## *SHP TWINARC INSTANT RE-LIGHT FEATURE INCREASES SAFETY*

SHP TwinArc with two arc tubes guarantee immediate hot restrike of the second arc tube when the power is restored immediately after power failure, making TwinArc lamps the ideal light source for use in high security areas as airfields.

**SYLVANIA**



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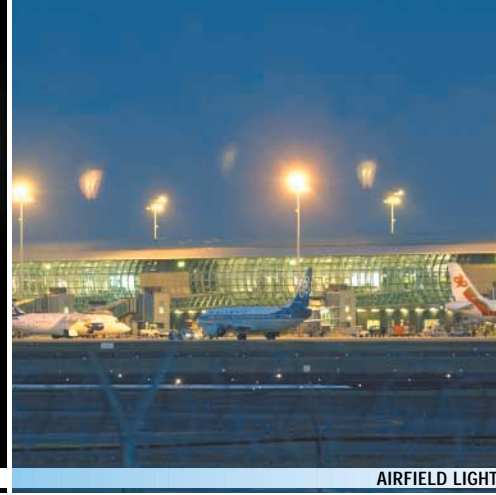
RUNWAY LIGHTING - HALOGEN



AIRFIELD LIGHTING - TWINARC



AIRFIELD LIGHTING



TWINARC

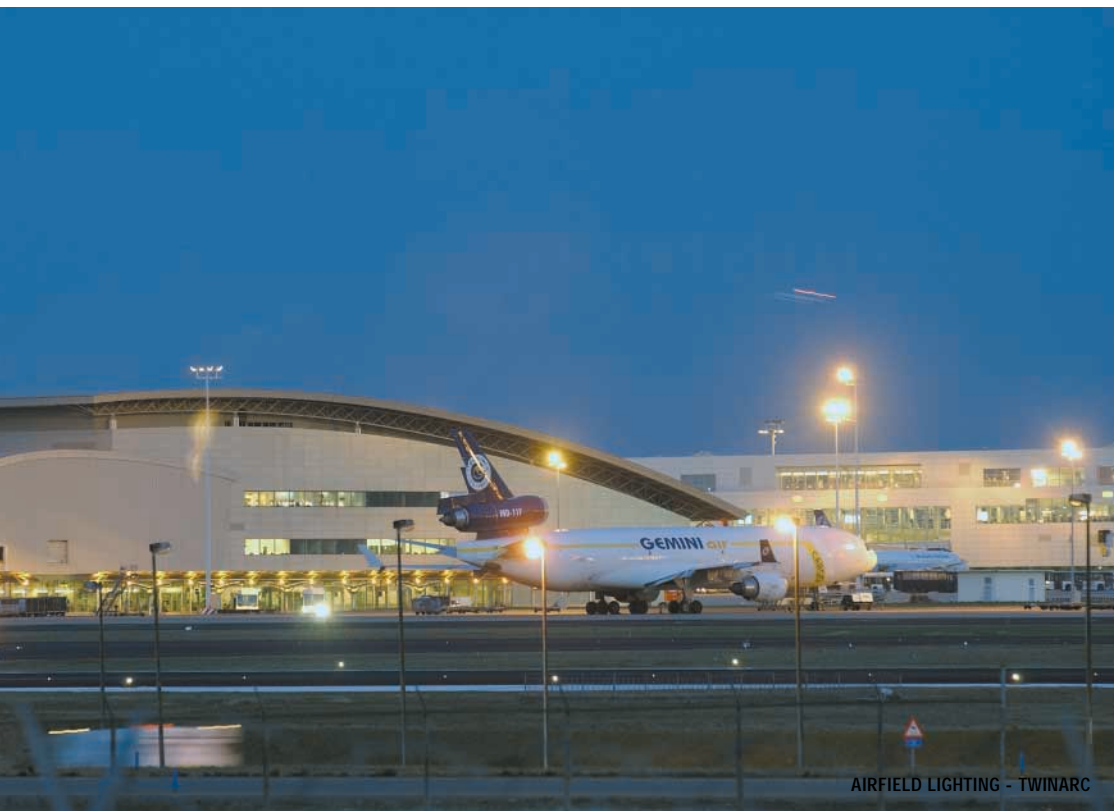


Courtesy ADB

HALOGEN



AIRFIELD LIGHTING



AIRFIELD LIGHTING - TWINARC



RUNWAY LIGHTING

# AIRFIELD *Ground Lighting*

## *RUN AND TAXIWAY LIGHTING*

Airfields require lighting to provide aircraft with accurate information on positioning and direction. These lights are located alongside runways and in taxiways.

In close co-operation with world leading manufacturers of airfield ground lighting, Sylvania has developed a range of halogen lamps, specific to this application. Quality control management of the highest level is required in this field and calls on the extensive resources and experience the company possesses.

One of the most important features of these lamps is that they maintain their full light output throughout life. Hardly any blackening of the lamp bulb occurs, whilst the colour temperature and lumen output remain relatively constant.



## *INTEGRAL REFLECTOR TYPE*

These are lamps integrated in dichroic reflectors which belong to the low voltage halogen range of Sylvania for airfield lighting.

Their advantages over tungsten halogen lamps without reflectors are: optimum adjustment, high luminaire efficiency thanks to the integrated reflector, focusing of the light source in the mirror, temperature resistant hard coated reflector and a long life.

## *CAPSULE TYPE*

A range of conventional lamps for use as replacements. These combine long reliable through life performance with complete interchangeability for existing capsule types.

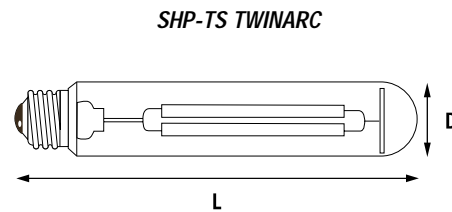
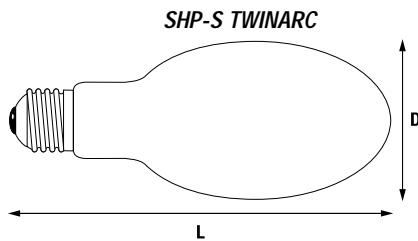
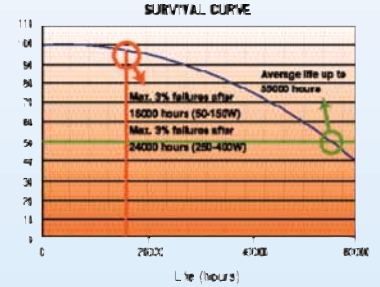
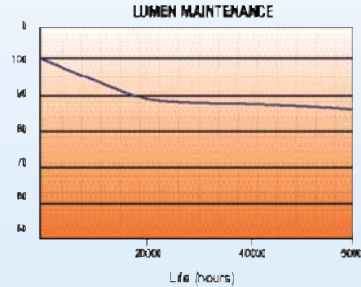
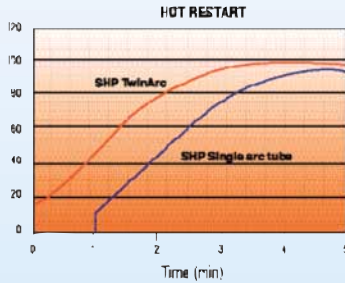
## *APPLICATIONS*

The lamps are used in following feature types:

- approach lights
- runway edge lights
- threshold lights
- touchdown zone
- runway lights
- taxiway lights
- visual approach slope indicator systems
- calvert bars



# AIRFIELD *Ground Lighting*



Item description	Watt W	Volt V	Current A	cap	Dimensions L D		Colour temp (K)	Light Output (lm)	Average life (hours)	Packing quantity	Ordering code
<b>Elipctical coated</b>											
SHP-S 35W TwinArc	35	90	0.49	E27	165	72	2050	1800	25000	40	0020720
SHP-S 50W TwinArc	50	85	0.76	E27	165	72	2050	3600	40000	40	0020717
SHP-S 70W TwinArc	70	90	0.98	E27	165	72	2050	6000	40000	40	0020719
SHP-S 100W TwinArc	100	100	1.20	E40	186	78	2050	9500	40000	40	0020725
SHP-S 150W TwinArc	150	100	1.80	E40	227	91	2050	15500	40000	12	0020740
SHP-S 250W TwinArc	255	100	2.90	E40	227	91	2050	30000	55000	12	0020742
SHP-S 400W TwinArc	410	105	4.40	E40	292	122	2050	52500	55000	12	0020744
<b>Tubular clear</b>											
SHP-TS 50W TwinArc	50	85	0.76	E27	156	39	2050	4000	40000	40	0020712
SHP-TS 70W TwinArc	70	90	0.98	E27	156	39	2050	6500	40000	40	0020718
SHP-TS 100W TwinArc	100	100	1.20	E40	211	48	2050	10000	40000	12	0020724
SHP-TS 150W TwinArc	150	100	1.80	E40	211	48	2050	17000	40000	12	0020739
SHP-TS 250W TwinArc	255	100	2.90	E40	260	48	2050	32000	55000	12	0020741
SHP-TS 400W TwinArc	400	100	4.50	E40	292	48	2050	55000	55000	12	0020743
SHP-T 1000W SBY	960	100	10.6	E40	400	68	2050	130000	20000	12	0020748

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## Integral reflector lamps MR 16 (50mm)

Item description	Watt	Current	Con-	Con-	Cable Length (mm)	Dimensions (mm)		Average Life (h)	Max Light intensity (cd)	Beam Angle 50% (°)	Fig. #	Packing quantity	Ordering code
	W	A	connector	connector type		M.O.L	D						
L2372 36W 6A MR16	36	6.0	2	Male	100	45.6	50.6	1500	24000	5	3	10	0021484
L2373 30W 6.6A MR16	30	6.6	2	Male	100	45.6	50.6	1500	19000	6	3	10	0021483
L2378 36W 6.6A MR16	36	6.6	1	Female	110	45.6	50.6	1500	19000	6	4	10	0021494
L2352 45W 6.6A MR 16	45	6.6	3	Bullet	122	45.6	50.6	1500	19000	7	4	10	7024522
L2354 48W 6.6A MR16	48	6.6	1+2	Fem/Male	135	45.6	50.6	1000	29500	6	3	10	7221518
L2358 48W 6.6A MR16	48	6.6	1	Female	110	45.6	50.6	1500	19000	7	3	10	0021496
L2359 48W 6.6A MR16	48	6.6	2	Male	100	45.6	50.6	1500	19000	7	3	10	0021497
L2371 48W 6.6A MR16	48	6.6	1	Female	100	45.6	50.6	1500	8500	13	3	10	0021489
L2374 60W 6.6A MR16	60	6.6	1	Female	110	45.6	50.6	1500	26000	7.5	3	10	0021487
L2375 60W 6.6A MR16	60	6.6	1	Female	100	45.6	50.6	1500	11000	15	3	10	0021488
L2362 105W 6.6A MR16	105	6.6	3	Bullet	122	50.0	50.6	1000	30000	10	5	10	7024526
L2368 105W 6.6A MR16	105	6.6	1	Female	110	50.0	50.6	1000	30000	10	5	10	0021498
L2369 105W 6.6A MR16 ma	105	6.6	2	Male	100	50.0	50.6	1000	30000	10	5	10	0021499

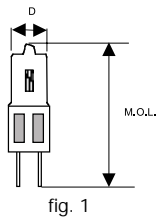


fig. 1

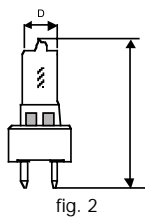


fig. 2

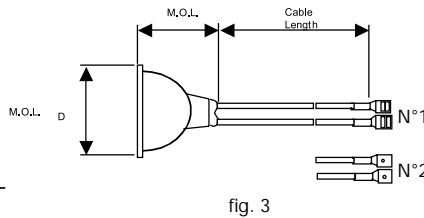


fig. 3

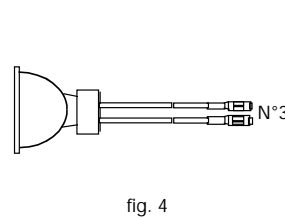


fig. 4

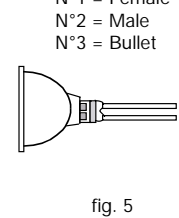


fig. 5

N°1 = Female  
N°2 = Male  
N°3 = Bullet

## Capsule lamps

Item description	Watt	Current	Cap	Dimensions (mm)		Light Output (lm)	Rated Average life (h)	Burning position	Fig. #	Packing quantity	Ordering code
	A	M.O.L	D								
L2516 30W 6.6A J1/74	30	6.6	G6.35	45.0	11.0	400	1500	BD+/-90°	1	50	0021479
L2510 36W 6.0A J1/59	36	6.0	G6.35	45.0	11.0	610	1200	BD+/-90°	1	50	0022213
L2517 36W 6.6A J1/75	36	6.6	G6.35	45.0	11.0	610	1500	BD+/-90°	1	50	0021480
L2511 45W 6.6A J1/57	45	6.6	G6.35	45.0	11.0	960	1200	BD+/-90°	1	50	0022214
L2512 65W 6.6A	65	6.6	G6.35	45.0	11.0	1450	1200	BD+/-90°	1	50	0022215
L2513 100W 6.6A J1/58	100	6.6	G6.35	47.0	13.5	2300	1200	BD+/-90°	1	50	0022212
L2518 100W 8.33A J1/66	100	8.33	G6.35	47.0	13.5	2300	1200	BD+/-90°	1	50	0021491
L2514 200W 6.6A J1/39	200	6.6	G6.35	47.0	13.5	4700	1200	BD+/-90°	1	50	0022211
L2519 200W 8.33A J1/65	200	8.33	G6.35	47.0	13.5	4700	1200	BD+/-90°	1	50	0021492
L2500 30W 6.6A EXL	30	6.6	GZ9.5	44.0	11.4	400	1000	BD+/-90°	2	50	0021757
L2501 45W 6.6A EXM	45	6.6	GZ9.5	44.0	11.4	960	1000	BD+/-90°	2	50	0021686
L2502 150W 6.6A EWR/1	150	6.6	GZ9.5	57.0	13.5	3600	1000	BD+/-90°	2	50	0024529
L2503 175W 6.6A	175	6.6	GZ9.5	57.0	13.5	4700	1000	BD+/-90°	2	50	0021683
L2504 200W 6.6A EZL	200	6.6	GZ9.5	57.0	13.5	5000	1000	BD+/-90°	2	50	0021696
L2505 115W 6.6A EVV	115	6.6	GZ9.5	57.0	13.5	2700	1000	BD+/-90°	2	50	0024531
L2502 150W 6.6A EWR/2	150	6.6	GZ9.5	57.0	13.5	4400	1000	BD+/-90°	2	50	0024530