

**Metal Halide Lamps HRI-TS**

Double based clear lamps.  
Colour rendering Ra 85 (5200 Kelvin) Ra 76 (3000 Kelvin) Ra 83 (4000 Kelvin)  
Lamp base Rx7S (70W en 150W) Fc2 (250W en 400W)  
Burning position P45.  
UV filter.  
Only to be use in enclosed luminaires.  
Mean service life is 12.000 hours.



**Dimension. In mm. A = width**  
**Dimension. In mm. B = length**

Wattage	70W	150W	250W	400W
A (mm.)	19	23	26	33
B (mm.)	117	135	162	206

Number	Type	Lm luminous flux	Base	Voltage	Kelvin Colour	Radium
832010R	HRI-TS 70W/D	6200	RX7s	230V50Hz	5400	32418877
832010RN	HRI-TS 70W/NDL	6500	RX7s	230V50Hz	4200	32418878
832010RW	HRI-TS 70W/WDL	6000	RX7s	230V50Hz	3300	32418879
832011R	HRI-TS 150W/D	13000	RX7s	230V50Hz	5500	32418880
832011RN	HRI-TS 150W/NDL	12500	RX7s	230V50Hz	4200	32418876
832011RW	HRI-TS 150W/WDL	12000	RX7s	230V50Hz	3000	32418881
832012R	HRI-TS 250W/D	21500	Fc2	230V50Hz	5500	32418888
832012RN	HRI-TS 250W/NDL	20000	Fc2	230V50Hz	4200	32418889
832012RW	HRI-TS 250W/WDL	22000	Fc2	230V50Hz	3200	32418890
832013R	HRI-TS 400W/D	35000	Fc2	230V50Hz	5500	32418891
832013RN	HRI-TS 400W/NDL	36000	Fc2	230V50Hz	4200	32418892



70/150W



250/400W

**Equivalent with Philips**

In Philips Luminares of 250W and 400W only use Philips lamps.

Radium		Philips	
WDL 3000 K	70W 5100 lumen 150W 12000 lumen	MHN-TD 730 3000 K	70W 6000 lumen 150W 13800 lumen
NDL 4200 K	70W 5700 lumen 150W 12000 lumen 250W 20000 lumen	MHN-TD 842 4200 K	70W 5700 lumen 150W 12900 lumen 250W 20000 lumen

**New Radium RCC**

WDL 3000 K	70W 6800 lumen 150W 14500 lumen	MHN-TD 730 3000 K	70W 6000 lumen 150W 13800 lumen
NDL 4200 K	70W 6500 lumen 150W 14400 lumen	MHN-TD 842 4200 K	70W 5700 lumen 150W 12900 lumen

### Metal Halide Lamp RCC-TS

As above but with a better colour rendering and an improved life-time.  
Lamp base Rx7S, UV filter, burning position P45.  
Only for use in enclosed luminaires.  
Mean service life is 16.000/12.000 hours

**Dimension. In mm. A = width**  
**Dimension. In mm. B = length**

Wattage	70W	150W
A (mm.)	20	23
B (mm.)	120	138

Number	Type	Lm luminous flux	Base	Voltage	Kelvin Colour	Radium
832014RN	RCC-TS 70W/NDL	6600	RX7s	230V50Hz	4200	32418271
832014RW	RCC-TS 70W/WDL	7000	RX7s	230V50Hz	3000	32418270
832015RN	RCC-TS 150W/NDL	14800	RX7s-24	230V50Hz	4100	32418273
832015RW	RCC-TS 150W/WDL	15000	RX7s-24	230V50Hz	3000	32418272



### Metal Halide Lamp HRI-T

Tubular shaped metal halide lamp with an E40 lamp base, for enclosed luminaires..  
Colour rendering Ra 90 (5500 Kelvin, 7250 Kelvin) Ra 65 (4200 Kelvin, 3700 Kelvin, 4400 Kelvin) Ra93 (6500 K)  
Burning position h180 (250 & 400W) p30 (1000 & 2000W)  
Mean service life 250/400W is 12.000 hour, 1000/2000W is 9.000 hour.

**Dimension. In mm. A = width**  
**Dimension. In mm. B = length**

Wattage	250W	400W	1000W	2000W
A (mm.)	46	62	76	100
B (mm.)	226	285	345	430

Number	Type	Lm luminous flux	Base	Voltage	Kelvin Colour	Radium
832021R	HRI-T 250W/D/PRO	19000	E40	230V50Hz	5500	32418882
832022RB	HRI-BT 400W/D/PRO	34000	E40	230V50Hz	5500	32418883
832023R	HRI-T 1000W/D	85000	E40	230V50Hz	7250	32416649
832025R	HRI-T 2000W/D	180000	E40	400V50Hz	7250	32416653
832025RB	HRI-T 2000W/DI	180000	E40	400V50Hz	7450	32416652
832025RW	HRI-T 2000W/NI	200000	E40	400V50Hz	4300	32416650

Type nummers 832025RB and 832025RW with internal ignitor.

PAY ATTENTION: This lamps cannot be used in combination with Philips Luminaires.



**Metal Halide Lamp HRI-E**

Opal metal halide lamp with quartz burner, E40 lamp base, for enclosed luminaires.  
 Colour rendering index Ra 90 (5200 Kelvin).  
 Burning position h180. Elliptical shaped bulb.  
 Mean service life time 12.000 hour.

**Dimension. In mm. A = width**  
**Dimension. In mm. B = length**

Wattage	250W	400W	1000W	1000W
A (mm.)	90	120	165	77
B (mm.)	226	290	380	380

Number	Type	Lm luminous flux	Base	Voltage	Kelvin Colour	Radium
631621R	HRI-E 250W/D/PRO	18000	E40	230V50Hz	5200	32418885
831622R	HRI-E 400W/D/PRO	34000	E40	230V50Hz	5200	32418884
831623R	HRI-E 400W/NSC/S	40000	E40	230V50Hz	3800	32416563
831624R	HRI-E 1000W/NSC	100000	E40	230V50Hz	3700	32416584
831625R	HRI-E 1000W/NSC	100000	E40	230V50Hz	3700	32416655

**High Pressure Sodium Lamps RNP-E LR & XLR**. Yellow light, elliptical shaped and coated.

Improved economical life-time after 16.000 hour still 96% working lamps.  
 Colour rendering Ra 25. For enclosed luminaires.  
 Mean service life time type LR is 28.000 hour and type XLR is 36.000 hour.

**Dimension. In mm. A = width**  
**Dimension. In mm. B = length**

Wattage	50W	70W	100W	150W	250W	400W
A (mm.)	71	71	76	75	91	122
B (mm.)	156	156	183	226	226	290

Number	Type	Lm luminous flux	Base	Voltage	Kelvin Colour	Radium
830808R	RNP-E/LR 50W/S	4000	E27	230V50Hz	2000	34418951
830809R	RNP-E/LR 70W/S	6600	E27	230V50Hz	2000	34418952
830810R	RNP-E/LR 100W/S	10400	E40	230V50Hz	2000	34410734
830811R	RNP-E/LR 150W/S	17000	E40	230V50Hz	2000	34418953
830812R	RNP-E/LR 250W/S	31600	E40	230V50Hz	2000	34418954
830813R	RNP-E/LR 400W/S	56500	E40	230V50Hz	2000	34418955
830814R	RNP-E/XLR 50W/S	4000	E27	230V50Hz	2000	34418095
830815R	RNP-E/XLR 70W/S	6300	E27	230V50Hz	2000	34418096
830816R	RNP-E/XLR 150W/S	17000	E40	230V50Hz	2000	34418097
830817R	RNP-E/XLR 250W/S	31600	E40	230V50Hz	2000	34418098



**High Pressure Sodium Lamps RNP-T LR & XLR**. Yellow light, clear tubular shaped lamp.  
 Improved economical life-time after 16.000 hour still 95% working lamps.  
 Colour rendering Ra 25. For enclosed luminaires.  
 Mean service life time type LR is 28.000 hour and type XLR is 36.000 hour.

**Dimension. In mm. A = width**  
**Dimension. In mm. B = length**

Wattage	50W	70W	100W	150W	250W	400W	600W
A (mm.)	36/39	36/39	47	47	47	47	47
B (mm.)	156	156	210	210	257	285	285

Number	Type	Lm luminous flux	Base	Voltage	Kelvin Colour	Radium
830800R	RNP-T/LR 50W/S	4200	E27	230V50Hz	2000	34411050
830801R	RNP-T/LR 70W/S	6600	E27	230V50Hz	2000	34415211
830802R	RNP-T/LR 100W/S	10700	E40	230V50Hz	2000	34410170
830803R	RNP-T/LR 150W/S	17500	E40	230V50Hz	2000	34410738
830804R	RNP-T/LR 250W/S	33200	E40	230V50Hz	2000	34410739
830805R	RNP-T/LR 400W/S	56500	E40	230V50Hz	2000	34411127
830806R	RNP-T/LR 600W/S	90000	E40	230V50Hz	2000	34411907
830830R	RNP-T/XLR 50W/S	4200	E27	230V50Hz	2000	34418089
830831R	RNP-T/XLR 70W/S	6600	E27	230V50Hz	2000	34418090
830832R	RNP-T/XLR 100W/S	10700	E40	230V50Hz	2000	34418091
830833R	RNP-T/XLR 150W/S	17500	E40	230V50Hz	2000	34418092
830834R	RNP-T/XLR 250W/S	33200	E40	230V50Hz	2000	34418093
830835R	RNP-T/XLR 400W/S	56500	E40	230V50Hz	2000	34418094



**High Pressure Sodium Pamps RNP-TS**. Yellow light, clear double based lamp, for enclosed luminaires.  
 Improved economical life-time after 12.000 hour still 80% working lamps.  
 Colour rendering Ra 25.  
 Mean service life time 24.000 hour.

**Dimension. In mm. A = width**  
**Dimension. In mm. B = length**

Wattage	70W	150W
A (mm.)	20	23
B (mm.)	120	138

Number	Type	Lm luminous flux	Base	Voltage	Kelvin Colour	Radium
830840R	RNP-TS/LR 70W/S	6600	RX7S	230V50Hz	2000	34411782
830841R	RNP-TS/LR 150W/S	15000	RX7S	230V50Hz	2000	34411080

