



## Voltarc *TriLightmax*™ T8 High Output Long Life Lamps

Catalog #	Description	Watts†	Color	CRI	Qty/Box	Avg. Rated Life (hrs)
MM-84H-24	F24T8/CW/841/HO/RDC	17	Cool White	85	18	60,000
MM-84H-30	F30T8/CW/841/HO/RDC	21	Cool White	85	18	60,000
MM-84H-36	F36T8/CW/841/HO/RDC	25	Cool White	85	18	60,000
MM-84H-42	F42T8/CW/841/HO/RDC	30	Cool White	85	18	60,000
MM-84H-48	F48T8/CW/841/HO/RDC	35	Cool White	85	18	60,000
MM-84H-58	F58T8/CW/841/HO/RDC	58	Cool White	85	18	60,000
MM-84H-60	F60T8/CW/841/HO/RDC	44	Cool White	85	18	60,000
MM-84H-64	F64T8/CW/841/HO/RDC	48	Cool White	85	18	60,000
MM-84H-72	F72T8/CW/841/HO/RDC	53	Cool White	85	18	60,000
MM-84H-84	F84T8/CW/841/HO/RDC	62	Cool White	85	18	60,000
MM-84H-96	F96T8/CW/841/HO/RDC	73	Cool White	85	18	60,000
MM-85H-24	F24T8/5000/950/HO/RDC	17	Max 5000	90	18	60,000
MM-85H-30	F30T8/5000/950/HO/RDC	21	Max 5000	90	18	60,000
MM-85H-36	F36T8/5000/950/HO/RDC	25	Max 5000	90	18	60,000
MM-85H-42	F42T8/5000/950/HO/RDC	30	Max 5000	90	18	60,000
MM-85H-48	F48T8/5000/950/HO/RDC	35	Max 5000	90	18	60,000
MM-85H-58	F58T8/5000/950/HO/RDC	58	Max 5000	90	18	60,000
MM-85H-60	F60T8/5000/950/HO/RDC	44	Max 5000	90	18	60,000
MM-85H-64	F64T8/5000/950/HO/RDC	48	Max 5000	90	18	60,000
MM-85H-72	F72T8/5000/950/HO/RDC	53	Max 5000	90	18	60,000
MM-85H-84	F84T8/5000/950/HO/RDC	62	Max 5000	90	18	60,000
MM-85H-96	F96T8/5000/950/HO/RDC	73	Max 5000	90	18	60,000
MM-86H-24	F24T8/DL/865/HO/RDC	17	Day Light	85	18	60,000
MM-86H-30	F30T8/DL/865/HO/RDC	21	Day Light	85	18	60,000
MM-86H-36	F36T8/DL/865/HO/RDC	25	Day Light	85	18	60,000
MM-86H-42	F42T8/DL/865/HO/RDC	30	Day Light	85	18	60,000
MM-86H-48	F48T8/DL/865/HO/RDC	35	Day Light	85	18	60,000
MM-86H-58	F58T8/DL/865/HO/RDC	58	Day Light	85	18	60,000
MM-86H-60	F60T8/DL/865/HO/RDC	44	Day Light	85	18	60,000
MM-86H-64	F64T8/DL/865/HO/RDC	48	Day Light	85	18	60,000
MM-86H-72	F72T8/DL/865/HO/RDC	53	Day Light	85	18	60,000
MM-86H-84	F84T8/DL/865/HO/RDC	62	Day Light	85	18	60,000
MM-86H-96	F96T8/DL/865/HO/RDC	73	Day Light	85	18	60,000

All lamps are made to standard T12 HO lengths with Recessed Double Contacts (RDC) end caps.

Lamp life is based on 12 hour switching cycle using electronic warm start ballast.

Lamps are available with Medium Bi-Pin caps as a special order.

† Lamp wattage is based on nominal 315 mA +/- 5% operating current. Lamp operating current range 265 - 465 mA



## Voltarc *TriLightmax*™ T8 Thermal Long Life Lamps

Catalog #	Description	Wattst†	Color	CRI	Qty/Box	Avg. Rated Life (hrs)
MM-84H-24TC	F24T8/CW/841/HO/RDC/CC	17	Cool White	85	18	60,000
MM-84H-30TC	F30T8/CW/841/HO/RDC/CC	21	Cool White	85	18	60,000
MM-84H-36TC	F36T8/CW/841/HO/RDC/CC	25	Cool White	85	18	60,000
MM-84H-42TC	F42T8/CW/841/HO/RDC/CC	30	Cool White	85	18	60,000
MM-84H-48TC	F48T8/CW/841/HO/RDC/CC	35	Cool White	85	18	60,000
MM-84H-58TC	F58T8/CW/841/HO/RDC/CC	58	Cool White	85	18	60,000
MM-84H-60TC	F60T8/CW/841/HO/RDC/CC	44	Cool White	85	18	60,000
MM-84H-64TC	F64T8/CW/841/HO/RDC/CC	48	Cool White	85	18	60,000
MM-84H-72TC	F72T8/CW/841/HO/RDC/CC	53	Cool White	85	18	60,000
MM-84H-84TC	F84T8/CW/841/HO/RDC/CC	62	Cool White	85	18	60,000
MM-84H-96TC	F96T8/CW/841/HO/RDC/CC	73	Cool White	85	18	60,000
MM-85H-24TC	F24T8/5000/950/HO/RDC/CC	17	Max 5000	90	18	60,000
MM-85H-30TC	F30T8/5000/950/HO/RDC/CC	21	Max 5000	90	18	60,000
MM-85H-36TC	F36T8/5000/950/HO/RDC/CC	25	Max 5000	90	18	60,000
MM-85H-42TC	F42T8/5000/950/HO/RDC/CC	30	Max 5000	90	18	60,000
MM-85H-48TC	F48T8/5000/950/HO/RDC/CC	35	Max 5000	90	18	60,000
MM-85H-58TC	F58T8/5000/950/HO/RDC/CC	58	Max 5000	90	18	60,000
MM-85H-60TC	F60T8/5000/950/HO/RDC/CC	44	Max 5000	90	18	60,000
MM-85H-64TC	F64T8/5000/950/HO/RDC/CC	48	Max 5000	90	18	60,000
MM-85H-72TC	F72T8/5000/950/HO/RDC/CC	53	Max 5000	90	18	60,000
MM-85H-84TC	F84T8/5000/950/HO/RDC/CC	62	Max 5000	90	18	60,000
MM-85H-96TC	F96T8/5000/950/HO/RDC/CC	73	Max 5000	90	18	60,000
MM-86H-24TC	F24T8/DL/865/HO/RDC/CC	17	Day Light	85	18	60,000
MM-86H-30TC	F30T8/DL/865/HO/RDC/CC	21	Day Light	85	18	60,000
MM-86H-36TC	F36T8/DL/865/HO/RDC/CC	25	Day Light	85	18	60,000
MM-86H-42TC	F42T8/DL/865/HO/RDC/CC	30	Day Light	85	18	60,000
MM-86H-48TC	F48T8/DL/865/HO/RDC/CC	35	Day Light	85	18	60,000
MM-86H-58TC	F58T8/DL/865/HO/RDC/CC	58	Day Light	85	18	60,000
MM-86H-60TC	F60T8/DL/865/HO/RDC/CC	44	Day Light	85	18	60,000
MM-86H-64TC	F64T8/DL/865/HO/RDC/CC	48	Day Light	85	18	60,000
MM-86H-72TC	F72T8/DL/865/HO/RDC/CC	53	Day Light	85	18	60,000
MM-86H-84TC	F84T8/DL/865/HO/RDC/CC	62	Day Light	85	18	60,000
MM-86H-96TC	F96T8/DL/865/HO/RDC/CC	73	Day Light	85	18	60,000

All lamps are made to standard T12 HO lengths with Recessed Double Contacts (RDC) end caps.

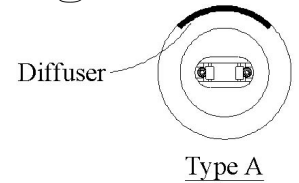
Lamp life is based on 12 hour switching cycle using electronic warm start ballast.

Lamps are available with Medium Bi-Pin caps as a special order.

† Lamp wattage is based on nominal 315 mA +/- 5% operating current. Lamp operating current range 265 - 465 mA



## Voltarc *TriLightmax*™ T8 Thermal D Long Life Lamps Type A Single Diffuser Parallel to Pins



Catalog #	Description	Wattst	Color	CRI	Qty/Box	Avg Rated Life (hrs)
MM-84H-24T1	F24T8/CW/841/HO/RDC/CC/DIFF-TYPE A	17	Cool White	85	12	60,000
MM-84H-30T1	F30T8/CW/841/HO/RDC/CC/DIFF-TYPE A	21	Cool White	85	12	60,000
MM-84H-36T1	F36T8/CW/841/HO/RDC/CC/DIFF-TYPE A	25	Cool White	85	12	60,000
MM-84H-42T1	F42T8/CW/841/HO/RDC/CC/DIFF-TYPE A	30	Cool White	85	12	60,000
MM-84H-48T1	F48T8/CW/841/HO/RDC/CC/DIFF-TYPE A	35	Cool White	85	12	60,000
MM-84H-58T1	F58T8/CW/841/HO/RDC/CC/DIFF-TYPE A	58	Cool White	85	12	60,000
MM-84H-60T1	F60T8/CW/841/HO/RDC/CC/DIFF-TYPE A	44	Cool White	85	12	60,000
MM-84H-64T1	F64T8/CW/841/HO/RDC/CC/DIFF-TYPE A	48	Cool White	85	12	60,000
MM-84H-72T1	F72T8/CW/841/HO/RDC/CC/DIFF-TYPE A	53	Cool White	85	12	60,000
MM-84H-84T1	F84T8/CW/841/HO/RDC/CC/DIFF-TYPE A	62	Cool White	85	12	60,000
MM-84H-96T1	F96T8/CW/841/HO/RDC/CC/DIFF-TYPE A	73	Cool White	85	12	60,000
MM-85H-24T1	F24T8/5000/950/HO/RDC/CC/DIFF-TYPE A	17	Max 5000	90	12	60,000
MM-85H-30T1	F30T8/5000/950/HO/RDC/CC/DIFF-TYPE A	21	Max 5000	90	12	60,000
MM-85H-36T1	F36T8/5000/950/HO/RDC/CC/DIFF-TYPE A	25	Max 5000	90	12	60,000
MM-85H-42T1	F42T8/5000/950/HO/RDC/CC/DIFF-TYPE A	30	Max 5000	90	12	60,000
MM-85H-48T1	F48T8/5000/950/HO/RDC/CC/DIFF-TYPE A	35	Max 5000	90	12	60,000
MM-85H-58T1	F58T8/5000/950/HO/RDC/CC/DIFF-TYPE A	58	Max 5000	90	12	60,000
MM-85H-60T1	F60T8/5000/950/HO/RDC/CC/DIFF-TYPE A	44	Max 5000	90	12	60,000
MM-85H-64T1	F64T8/5000/950/HO/RDC/CC/DIFF-TYPE A	48	Max 5000	90	12	60,000
MM-85H-72T1	F72T8/5000/950/HO/RDC/CC/DIFF-TYPE A	53	Max 5000	90	12	60,000
MM-85H-84T1	F84T8/5000/950/HO/RDC/CC/DIFF-TYPE A	62	Max 5000	90	12	60,000
MM-85H-96T1	F96T8/5000/950/HO/RDC/CC/DIFF-TYPE A	73	Max 5000	90	12	60,000
MM-86H-24T1	F24T8/DL/865/HO/RDC/CC/DIFF-TYPE A	17	Day Light	85	12	60,000
MM-86H-30T1	F30T8/DL/865/HO/RDC/CC/DIFF-TYPE A	21	Day Light	85	12	60,000
MM-86H-36T1	F36T8/DL/865/HO/RDC/CC/DIFF-TYPE A	25	Day Light	85	12	60,000
MM-86H-42T1	F42T8/DL/865/HO/RDC/CC/DIFF-TYPE A	30	Day Light	85	12	60,000
MM-86H-48T1	F48T8/DL/865/HO/RDC/CC/DIFF-TYPE A	35	Day Light	85	12	60,000
MM-86H-58T1	F58T8/DL/865/HO/RDC/CC/DIFF-TYPE A	58	Day Light	85	12	60,000
MM-86H-60T1	F60T8/DL/865/HO/RDC/CC/DIFF-TYPE A	44	Day Light	85	12	60,000
MM-86H-64T1	F64T8/DL/865/HO/RDC/CC/DIFF-TYPE A	48	Day Light	85	12	60,000
MM-86H-72T1	F72T8/DL/865/HO/RDC/CC/DIFF-TYPE A	53	Day Light	85	12	60,000
MM-86H-84T1	F84T8/DL/865/HO/RDC/CC/DIFF-TYPE A	62	Day Light	85	12	60,000
MM-86H-96T1	F96T8/DL/865/HO/RDC/CC/DIFF-TYPE A	73	Day Light	85	12	60,000

All lamps are made to standard T12 HO lengths with Recessed Double Contacts (RDC) end caps.

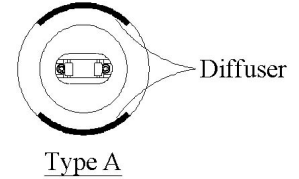
Lamp life is based on 12 hour switching cycle using electronic warm start ballast.

Lamps are available with Medium Bi-Pin caps as a special order.

† Lamp wattage is based on nominal 315 mA +/- 5% operating current. Lamp operating current range 265 - 465 mA



## Voltarc *TriLightmax*™ T8 Thermal **DD Long Life** Lamps Type A Dual Diffuser Parallel to Pins



Catalog #	Description	Wattst	Color	CRI	Qty/Box	Avg Rated Life (hrs)
MM-84H-24T2	F24T8/CW/841/HO/RDC/CC/DUAL DIFF-TYPE A	17	Cool White	85	12	60,000
MM-84H-30T2	F30T8/CW/841/HO/RDC/CC/DUAL DIFF-TYPE A	21	Cool White	85	12	60,000
MM-84H-36T2	F36T8/CW/841/HO/RDC/CC/DUAL DIFF-TYPE A	25	Cool White	85	12	60,000
MM-84H-42T2	F42T8/CW/841/HO/RDC/CC/DUAL DIFF-TYPE A	30	Cool White	85	12	60,000
MM-84H-48T2	F48T8/CW/841/HO/RDC/CC/DUAL DIFF-TYPE A	35	Cool White	85	12	60,000
MM-84H-58T2	F58T8/CW/841/HO/RDC/CC/DUAL DIFF-TYPE A	58	Cool White	85	12	60,000
MM-84H-60T2	F60T8/CW/841/HO/RDC/CC/DUAL DIFF-TYPE A	44	Cool White	85	12	60,000
MM-84H-64T2	F64T8/CW/841/HO/RDC/CC/DUAL DIFF-TYPE A	48	Cool White	85	12	60,000
MM-84H-72T2	F72T8/CW/841/HO/RDC/CC/DUAL DIFF-TYPE A	53	Cool White	85	12	60,000
MM-84H-84T2	F84T8/CW/841/HO/RDC/CC/DUAL DIFF-TYPE A	62	Cool White	85	12	60,000
MM-84H-96T2	F96T8/CW/841/HO/RDC/CC/DUAL DIFF-TYPE A	73	Cool White	85	12	60,000
MM-85H-24T2	F24T8/5000/950/HO/RDC/CC/DUAL DIFF-TYPE A	17	Max 5000	90	12	60,000
MM-85H-30T2	F30T8/5000/950/HO/RDC/CC/DUAL DIFF-TYPE A	21	Max 5000	90	12	60,000
MM-85H-36T2	F36T8/5000/950/HO/RDC/CC/DUAL DIFF-TYPE A	25	Max 5000	90	12	60,000
MM-85H-42T2	F42T8/5000/950/HO/RDC/CC/DUAL DIFF-TYPE A	30	Max 5000	90	12	60,000
MM-85H-48T2	F48T8/5000/950/HO/RDC/CC/DUAL DIFF-TYPE A	35	Max 5000	90	12	60,000
MM-85H-58T2	F58T8/5000/950/HO/RDC/CC/DUAL DIFF-TYPE A	58	Max 5000	90	12	60,000
MM-85H-60T2	F60T8/5000/950/HO/RDC/CC/DUAL DIFF-TYPE A	44	Max 5000	90	12	60,000
MM-85H-64T2	F64T8/5000/950/HO/RDC/CC/DUAL DIFF-TYPE A	48	Max 5000	90	12	60,000
MM-85H-72T2	F72T8/5000/950/HO/RDC/CC/DUAL DIFF-TYPE A	53	Max 5000	90	12	60,000
MM-85H-84T2	F84T8/5000/950/HO/RDC/CC/DUAL DIFF-TYPE A	62	Max 5000	90	12	60,000
MM-85H-96T2	F96T8/5000/950/HO/RDC/CC/DUAL DIFF-TYPE A	73	Max 5000	90	12	60,000
MM-86H-24T2	F24T8/DL/865/HO/RDC/CC/DUAL DIFF-TYPE A	17	Day Light	85	12	60,000
MM-86H-30T2	F30T8/DL/865/HO/RDC/CC/DUAL DIFF-TYPE A	21	Day Light	85	12	60,000
MM-86H-36T2	F36T8/DL/865/HO/RDC/CC/DUAL DIFF-TYPE A	25	Day Light	85	12	60,000
MM-86H-42T2	F42T8/DL/865/HO/RDC/CC/DUAL DIFF-TYPE A	30	Day Light	85	12	60,000
MM-86H-48T2	F48T8/DL/865/HO/RDC/CC/DUAL DIFF-TYPE A	35	Day Light	85	12	60,000
MM-86H-58T2	F58T8/DL/865/HO/RDC/CC/DUAL DIFF-TYPE A	58	Day Light	85	12	60,000
MM-86H-60T2	F60T8/DL/865/HO/RDC/CC/DUAL DIFF-TYPE A	44	Day Light	85	12	60,000
MM-86H-64T2	F64T8/DL/865/HO/RDC/CC/DUAL DIFF-TYPE A	48	Day Light	85	12	60,000
MM-86H-72T2	F72T8/DL/865/HO/RDC/CC/DUAL DIFF-TYPE A	53	Day Light	85	12	60,000
MM-86H-84T2	F84T8/DL/865/HO/RDC/CC/DUAL DIFF-TYPE A	62	Day Light	85	12	60,000
MM-86H-96T2	F96T8/DL/865/HO/RDC/CC/DUAL DIFF-TYPE A	73	Day Light	85	12	60,000

All lamps are made to standard T12 HO lengths with Recessed Double Contacts (RDC) end caps.

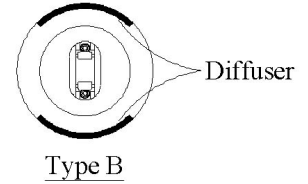
Lamp life is based on 12 hour switching cycle using electronic warm start ballast.

Lamps are available with Medium Bi-Pin caps as a special order.

† Lamp wattage is based on nominal 315 mA +/- 5% operating current. Lamp operating current range 265 - 465 mA



## Voltarc *TriLightmax*™ T8 Thermal **DD Long Life** Lamps Type B Dual Diffuser Perpendicular to Pins



Catalog#	Description	Watts†	Color	CRI	Qty/Box	Avg Rated Life (hrs)
MM-84H-24T3	F24T8/CW/841/HO/RDC/CC/DUAL DIFF-TYPE B	17	Cool White	85	12	60,000
MM-84H-30T3	F30T8/CW/841/HO/RDC/CC/DUAL DIFF-TYPE B	21	Cool White	85	12	60,000
MM-84H-36T3	F36T8/CW/841/HO/RDC/CC/DUAL DIFF-TYPE B	25	Cool White	85	12	60,000
MM-84H-42T3	F42T8/CW/841/HO/RDC/CC/DUAL DIFF-TYPE B	30	Cool White	85	12	60,000
MM-84H-48T3	F48T8/CW/841/HO/RDC/CC/DUAL DIFF-TYPE B	35	Cool White	85	12	60,000
MM-84H-58T3	F58T8/CW/841/HO/RDC/CC/DUAL DIFF-TYPE B	58	Cool White	85	12	60,000
MM-84H-60T3	F60T8/CW/841/HO/RDC/CC/DUAL DIFF-TYPE B	44	Cool White	85	12	60,000
MM-84H-64T3	F64T8/CW/841/HO/RDC/CC/DUAL DIFF-TYPE B	48	Cool White	85	12	60,000
MM-84H-72T3	F72T8/CW/841/HO/RDC/CC/DUAL DIFF-TYPE B	53	Cool White	85	12	60,000
MM-84H-84T3	F84T8/CW/841/HO/RDC/CC/DUAL DIFF-TYPE B	62	Cool White	85	12	60,000
MM-84H-96T3	F96T8/CW/841/HO/RDC/CC/DUAL DIFF-TYPE B	73	Cool White	85	12	60,000
MM-85H-24T3	F24T8/5000/950/HO/RDC/CC/DUAL DIFF-TYPE B	17	Max 5000	90	12	60,000
MM-85H-30T3	F30T8/5000/950/HO/RDC/CC/DUAL DIFF-TYPE B	21	Max 5000	90	12	60,000
MM-85H-36T3	F36T8/5000/950/HO/RDC/CC/DUAL DIFF-TYPE B	25	Max 5000	90	12	60,000
MM-85H-42T3	F42T8/5000/950/HO/RDC/CC/DUAL DIFF-TYPE B	30	Max 5000	90	12	60,000
MM-85H-48T3	F48T8/5000/950/HO/RDC/CC/DUAL DIFF-TYPE B	35	Max 5000	90	12	60,000
MM-85H-58T3	F58T8/5000/950/HO/RDC/CC/DUAL DIFF-TYPE B	58	Max 5000	90	12	60,000
MM-85H-60T3	F60T8/5000/950/HO/RDC/CC/DUAL DIFF-TYPE B	44	Max 5000	90	12	60,000
MM-85H-64T3	F64T8/5000/950/HO/RDC/CC/DUAL DIFF-TYPE B	48	Max 5000	90	12	60,000
MM-85H-72T3	F72T8/5000/950/HO/RDC/CC/DUAL DIFF-TYPE B	53	Max 5000	90	12	60,000
MM-85H-84T3	F84T8/5000/950/HO/RDC/CC/DUAL DIFF-TYPE B	62	Max 5000	90	12	60,000
MM-85H-96T3	F96T8/5000/950/HO/RDC/CC/DUAL DIFF-TYPE B	73	Max 5000	90	12	60,000
MM-86H-24T3	F24T8/DL/865/HO/RDC/CC/DUAL DIFF-TYPE B	17	Day Light	85	12	60,000
MM-86H-30T3	F30T8/DL/865/HO/RDC/CC/DUAL DIFF-TYPE B	21	Day Light	85	12	60,000
MM-86H-36T3	F36T8/DL/865/HO/RDC/CC/DUAL DIFF-TYPE B	25	Day Light	85	12	60,000
MM-86H-42T3	F42T8/DL/865/HO/RDC/CC/DUAL DIFF-TYPE B	30	Day Light	85	12	60,000
MM-86H-48T3	F48T8/DL/865/HO/RDC/CC/DUAL DIFF-TYPE B	35	Day Light	85	12	60,000
MM-86H-58T3	F58T8/DL/865/HO/RDC/CC/DUAL DIFF-TYPE B	58	Day Light	85	12	60,000
MM-86H-60T3	F60T8/DL/865/HO/RDC/CC/DUAL DIFF-TYPE B	44	Day Light	85	12	60,000
MM-86H-64T3	F64T8/DL/865/HO/RDC/CC/DUAL DIFF-TYPE B	48	Day Light	85	12	60,000
MM-86H-72T3	F72T8/DL/865/HO/RDC/CC/DUAL DIFF-TYPE B	53	Day Light	85	12	60,000
MM-86H-84T3	F84T8/DL/865/HO/RDC/CC/DUAL DIFF-TYPE B	62	Day Light	85	12	60,000
MM-86H-96T3	F96T8/DL/865/HO/RDC/CC/DUAL DIFF-TYPE B	73	Day Light	85	12	60,000

All lamps are made to standard T12 HO lengths with Recessed Double Contacts (RDC) end caps.

Lamp life is based on 12 hour switching cycle using electronic warm start ballast.

Lamps are available with Medium Bi-Pin caps as a special order.

† Lamp wattage is based on nominal 315 mA +/- 5% operating current. Lamp operating current range 265 - 465 mA



All lamps are made to standard T12 HO lengths with Recessed Double Contacts (RDC) end caps.  
Lamp life is based on 12 hour switching cycle using electronic warm start ballast.  
Lamps are available with Medium Bi-Pin caps as a special order.  
† Lamp wattage is based on nominal 315 mA +/- 5% operating current. Lamp operating current range 265 - 465 mA

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