

RDT-Maximum Efficiency Parabolic

- ▶ Parabolic design taken to the limit of efficiency...
 - Need a maximum efficiency Parabolic for your re-lighting project?
 - The RDT delivers true parabolic distribution and glare control with a highly tuned balance of lamp, ballast, housing and louver.
 - Delivers the same lumen output as a three lamp parabolic while using only two lamps.
- ▶ Configured to order with the latest energy efficient lamps and ballasts...
 - You name it, we'll get it.
- ▶ P2's usual rapid turn around times...
 - Your project can't wait 6-8 weeks. We'll deliver, configured to order, fast.

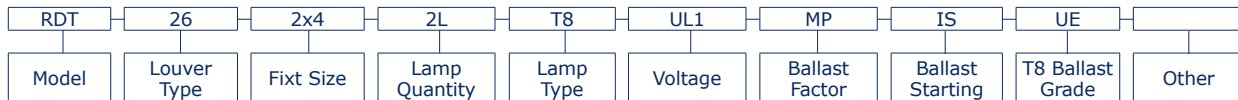
12 Cell 2x4 and 6 Cell 2x2 Full Cutoff Parabolic Troffer



Application

- Anywhere true parabolic performance and maximum energy efficiency is required.
- Suitable for a variety of general office and retail applications.
- T-Bar grid lay-in or suspend against open black plenum for industrial aesthetic.

RDT-26-2x4-2L-T8-UL1-MP-IS-UE



Fixture Series
RDT = Full Cutoff Parabolic

Louver / Lens Type
23 = 6 Cell Parabolic 2x2
26 = 12 Cell Parabolic 2x4

Fixture Size
2X4 = 2x4 Nominal
2X2 = 2x2 Nominal

Lamp Qty
2L = Two Lamps

Lamp Type
T8 = Linear T8 Lamps
T5 = Linear T5 Lamps
T5HO = Linear T5HO Lamps

Voltage (1)
UL1 = Universal 120-277
UL2 = Universal 120-277
UH1 = Universal 347-480
UH2 = Universal 347-480
120 = 120 Volt Dedicated
277 = 277 Volt Dedicated
347 = 347 Volt Dedicated

Ballast Factor (2)
XL = Ultra Low Power (.62-.66)
LP = Low Power (.75-.78)
MP = Mid Power (.85-.88)
MN = Neutral Power (.97-1.04)
HP = High Power (1.15-1.20)

Ballast Starting Method
PS = Programmed Start
IS = Instant Start
PSD = Program Start Step Dimming
ISD = Instant Start Step Dimming
PVD = Program Start 0-10v Variable Dim
IVD = Instant Start 0-10v Variable Dim

T8 Ballast Grade
ST = Standard Grade
UE = Ultra Efficient T8

Other Options
SB = Specific Ballast Type or Manufacturer (3)
EB = Emergency Battery Backup (3)
DFK = Drywall Flange Kit
LF = Factory Lamped (4)

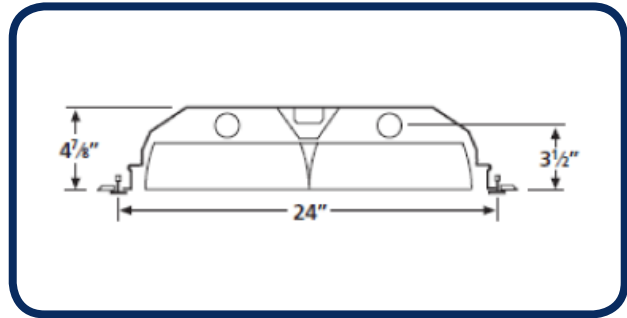
Numeric Footnotes

- (1) Numeral indicates number of ballasts per fixture.
- (2) Ballast factors outside ranges shown to be called out numerically.
- (3) If SB or EB is requested, purchaser must identify the ballast manufacturer and the catalog number.
- (4) If LF is requested, purchaser must identify the lamp manufacturer and lamp desired.

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Fixture Construction

- Anodized aluminum louver resists dents and scratches, holds shape, and maintains precision performance over the life of the louver.
- Matte anodized low iridescent, semispecular louver finish virtually eliminates visibility of fingerprints and dust.
- Shallow housing height allows installation in restricted ceiling areas.
- Lightweight body for ease of installation.
- Full black reveal provides air handling capability.
- Optional drywall flange kit available for hard ceilings.



Existing Systems

| Existing Lamp / Ballast System | Lamp Quantity & Type | Mean Lumens Per Lamp | Mean Lumens Per Fixture | Ballast Factor | Fixture Efficiency | Net Lumens Per Fixture | Input Watts | Net Lumens Per Watt |
|--------------------------------|----------------------|----------------------|-------------------------|----------------|--------------------|------------------------|-------------|---------------------|
| 4L40-T12 Mag Pris | 4 F40/T12/WM | 2,280 | 9,120 | 0.88 | 0.78 | 6,260 | 144 | 43 |
| 3L40-T12 Mag Para | 3 F40/T12/WM | 2,280 | 6,840 | 0.88 | 0.69 | 4,153 | 115 | 36 |
| 3L32-T8-MP Elec Para | 3 F32T8/741 | 2,660 | 7,980 | 0.87 | 0.72 | 4,999 | 80 | 62 |
| 2L40-T12-U6 Mag Para | 2 F40/T12/U6/WM | 2,280 | 4,560 | 0.88 | 0.69 | 2,769 | 72 | 38 |

RDT Re-Lighting Options

| Proposed Lamp / Ballast System | Lamp Quantity & Type | Mean Lumens Per Lamp | Mean Lumens Per Fixture | Ballast Factor | Fixture Efficiency | Net Lumens Per Fixture | Input Watts | Net Lumens Per Watt |
|--------------------------------|----------------------|----------------------|-------------------------|----------------|--------------------|------------------------|-------------|---------------------|
| 2L32-T8-LP Elec | 2 F32T8/841 | 2,800 | 5,600 | 0.77 | 0.89 | 3,838 | 48 | 80 |
| 2L32-T8-MP Elec | 2 F32T8/841 | 2,800 | 5,600 | 0.87 | 0.89 | 4,336 | 53 | 92 |
| 2L32-T8-MN Elec | 2 F32T8/841 | 2,800 | 5,600 | 1.04 | 0.89 | 5,183 | 64 | 81 |
| 2L32T8-HP Elec | 2 F32T8/841 | 2,800 | 5,600 | 1.15 | 0.89 | 5,732 | 73 | 79 |
| 2L17-T8-LP Elec | 2 F17T8/841 | 1,300 | 2,600 | 0.80 | 0.89 | 1,851 | 27 | 69 |
| 2L17-T8-MP Elec | 2 F17T8/841 | 1,300 | 2,600 | 0.90 | 0.89 | 2,083 | 31 | 67 |
| 2L17-T8-HP Elec | 2 F17T8/841 | 1,300 | 2,600 | 1.23 | 0.89 | 2,846 | 41 | 69 |

General Notes

- Lamp/ballast system values shown are a general reference intended to supply a quick comparison of several common lamp/ballast systems, the associated energy consumption, and net lumen output.
- Values shown are based on normal operating temperatures and at 277 volts.
- Fixture efficiency percentages are generally representative of each system type, actual values will vary.
- There are many operating variables that affect system output, in addition to rating variances from brand to brand.
- All T8 electronic ballast values shown are based on Ultra Efficient (aka 3rd Generation) T8 ballasts.
- All T5 and T8 lamp values shown are for basic grade lamps. Extended life and higher lumen lamps types are available.
- In addition to those shown there are a wide variety of systems to choose from, each with distinct features and cost points.
- Please consult the lamp/ballast manufacturer's catalogs for the detailed information required to model your system.