

Back Lit Conveyors

A light fixture is installed inside the conveyor frame and emits light through a translucent belt.

- Provides enhanced contrast between product and conveyor belt for visual inspection and vision system interface.
- Parts can be stopped directly over the lighted section or continue through uninterrupted.

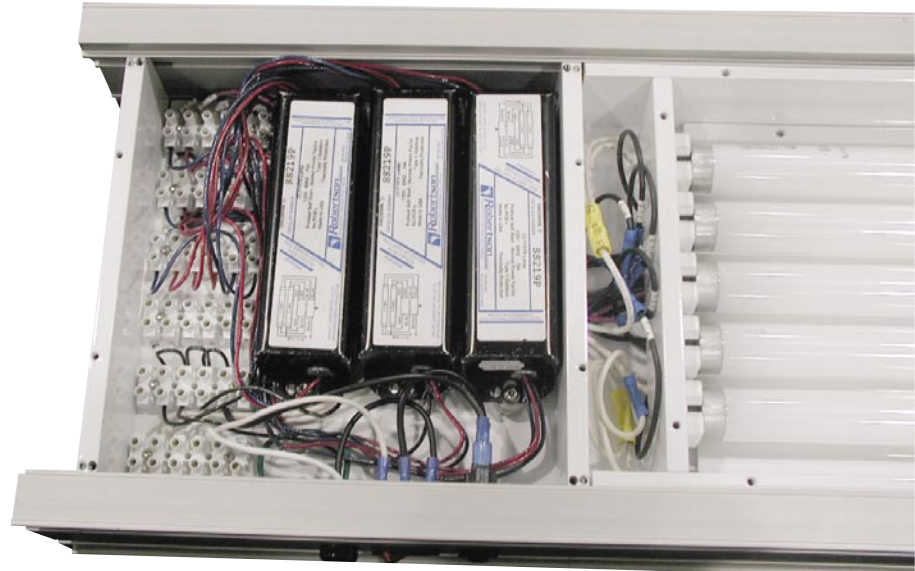


3200 Series Conveyor Specifications

- Aluminum extruded frame with T-slot construction
- Sealed Ball Bearings
- V-guided and Non-V-guided belt compatible
- Rack and Pinion belt tensioning
- End and Center drive compatible
- Optional 1" DIA Roller Interface tail section
- Conveyor Widths: 3.75" to 24" wide
- Conveyor Lengths: End Drive = 3' to 40' long, Center Drive = 4' to 99' long
- Belt Speeds: up to 421 Ft/Min
- Equipped with translucent conveyor belting

Electrical Specifications

- Uses florescent lamps
- 115 VAC, 60 Hz
- Controls mounted in conveyor frame
- Includes overload protection, On/Off switch and power cord



Lamp Specifications

- All lamps are twin bulb compact florescent lamps
- Lamps per conveyor width

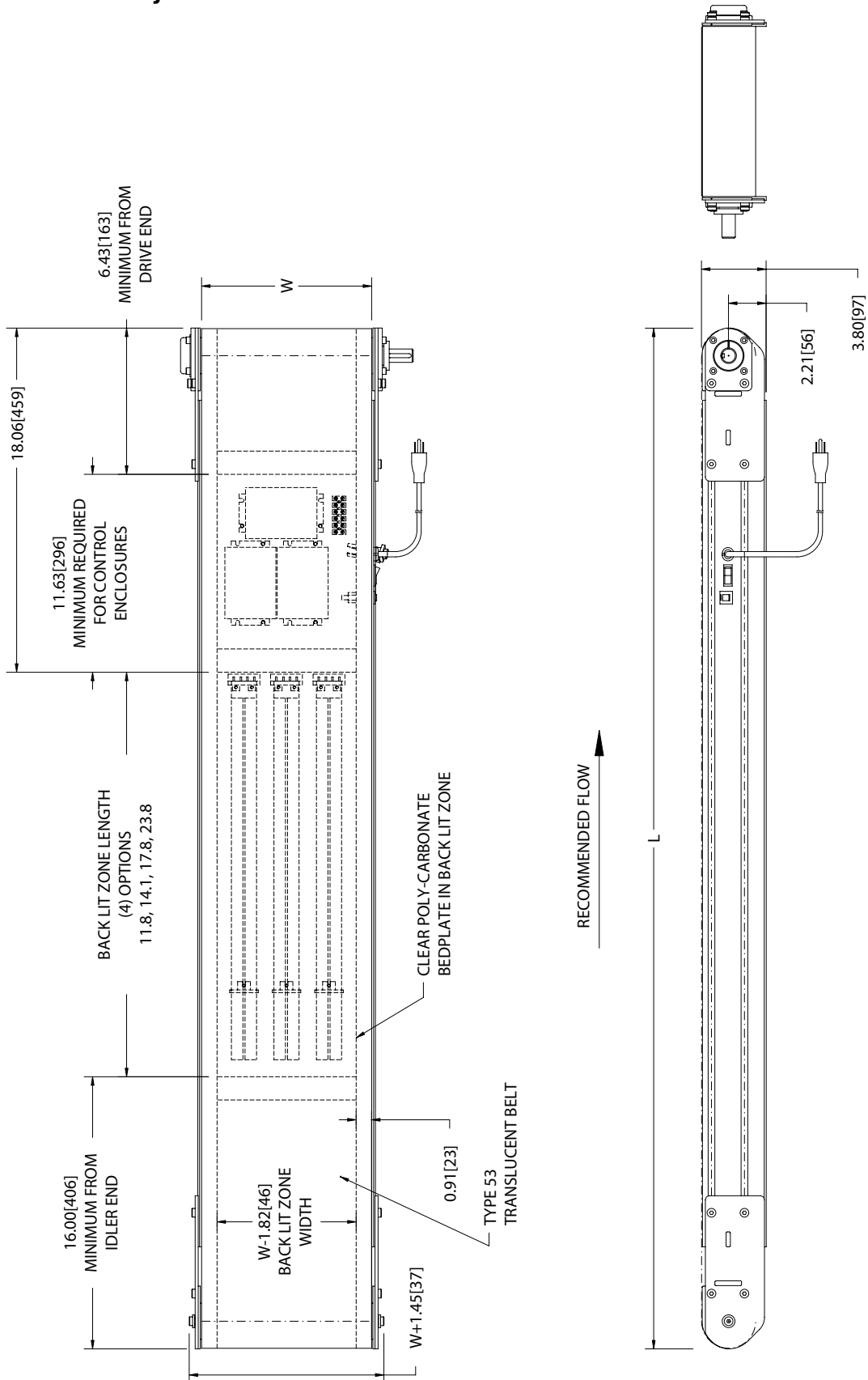
Conveyor Width	4	6	8	10	12	14	16	18	20	22	24
# of Lamps	1	2	3	3	4	5	5	6	7	8	9

- Back Lit Zone Length

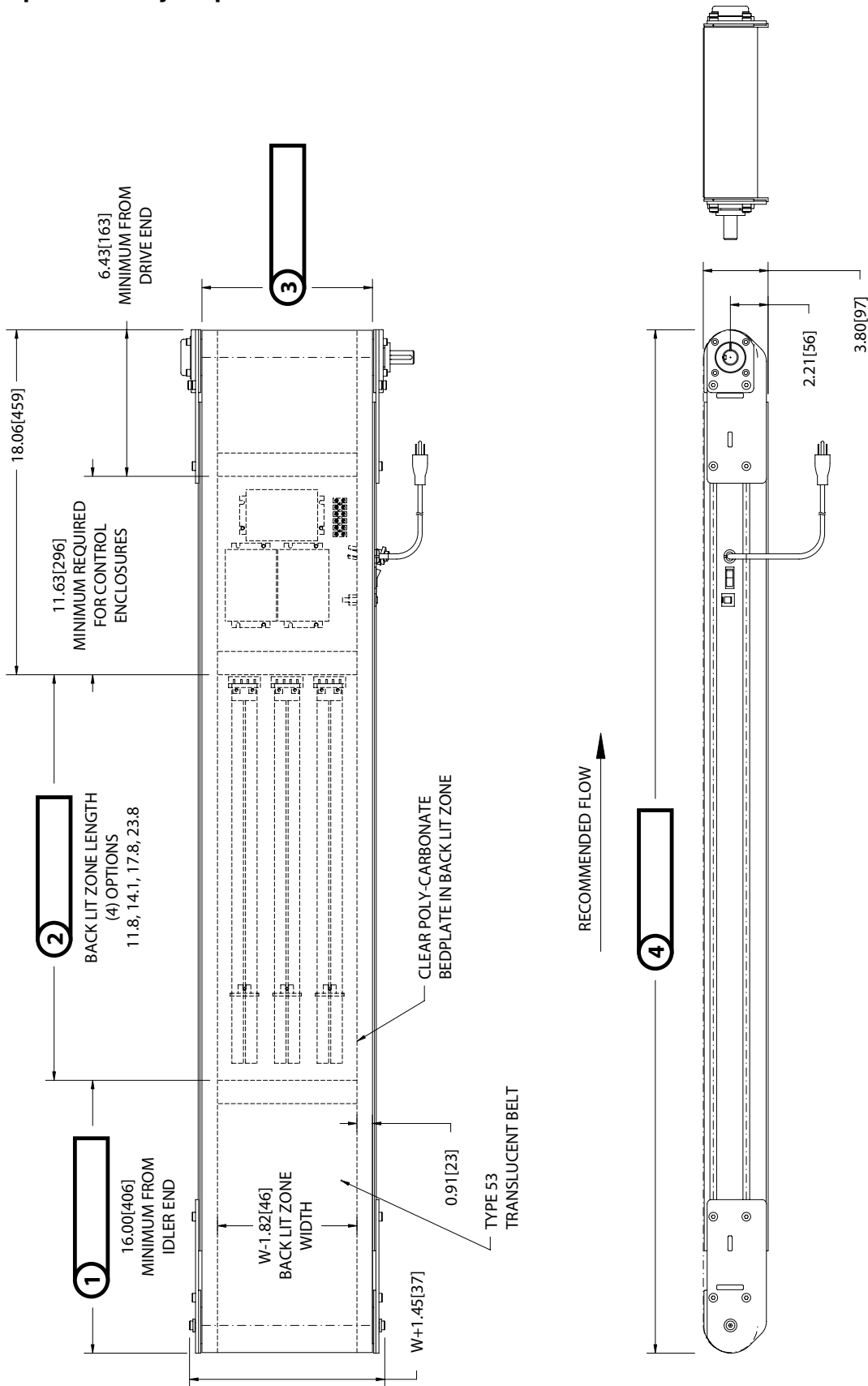
Zone Length (in)	Lamp Length (in)	Watts per Lamp	Lumens per Lamp	Lamp Tone	Lamp Life (hours)
11.8	10.52	18	1250	Cool White	20,000
14.1	12.8	27	1800	Cool White	12,000
17.8	16.5	39	2850	Cool White	12,000
23.8	22.5	40	3150	Cool White	20,000

- Internal Control Enclosure
A minimum of 11.63" of linear conveyor frame space must be left open to house the lamp ballasts and terminal strips.

Dimensions & Back Lit Layout



Required Conveyor Specifications



Select:

- 1** Location of Back Lit Zone from idler end of conveyor
- 2** Length of Back Lit Zone
- 3** Conveyor Width
- 4** Conveyor Length

Profiles:

- All 3200 Series profiles are applicable.
- See Full Specifications Catalog Pg. 96 for details.

Belting:

- Type 53 Belt
- Belt must be finger spliced
- See Full Specifications Catalog Pg. 98 for details.

Mounting Packages & Gearmotors:

- All 3200 series Mounting Packages and Gearmotors are applicable.
- See Full Specifications Catalog Pg. 101 & 106 for details.

Support Stands:

- All 3200 Series Support Stands are applicable.
- See Full Specifications Catalog Pg. 117 for details.

EXPRESS INQUIRY FORM : GENERAL INFORMATION

Along with completing the Express Inquiry form below, please complete the specific 3200 Series Back Lit Conveyor application questions on the next page to the best of your ability.

Contact Technical Sales at 1-800-259-1510 (Press 3) or TechnicalSales@dorner.com for Application Assistance.

CONTACT INFORMATION

Company _____ Date _____
Name _____
Phone _____ Fax _____ E-Mail _____
Address _____

PRODUCT

Description/material: _____
Dimensions: _____
Weight: _____ Total weight to be placed on conveyor: _____
Temperature: _____ Leading Edge Dimension: _____

ENVIRONMENT

Chemicals or fluids present: _____
Unusual ambient temperature conditions: _____
Other concerns: _____

CONVEYOR

Belt Width: _____ Conveyor length: _____
Belt speed: _____ Fixed Variable *See example on next page for calculating belt speed.*
Back Lit Zone Length: _____ Location of Back Lit Zone: _____ *See sketch on page 4.*
Infeed height: _____ Discharge height: _____
Belt Direction & Motor Position: _____

ELECTRICAL

Motor Voltage: _____ Motor Phase: _____
Hz: _____ For variable speed: DC AC
Controls required: _____

FAX COMPLETED FORMS TO 800.369.2440 or 262.367.5827