XTR Driver 8000™

Acclaim™

PROJECT	FIRM	ORDER #	TYPE	QTY

XTR Driver 8000™ is a specialized module that powers continuous runs (up to 700'/213m) of high intensity linear LED fixtures. XTR Driver 8000 features dual 220V-277VAC power inputs, a clear display for control input selection and up to 7980W of high voltage DC output power. The following control formats are all supported: DMX-512A, DALI or 0-10V/1-10V. All connected linear LED fixtures must conform to the Acclaim Lighting XTR Link standard.

At a glance

Power input

220 to
277VAC
50/60 Hz

Power output

380VDC
2x **3990**W
(via four ports)

Temperature

14° F to **131° F**
-10° C to **55° C**

Protection

Ingress: **IP20**
Impact: **IK02**

Core technology

XTRLink technology

Specifications

Power input	220-277VAC, 50/60Hz, dual input feeds
Power output	2x 3990W across two sets of paired output connectors, 380VDC 10.5A maximum per pair
Control input	DMX + RDM, DALI, 0-10V Sink (noted as 1-10V), 0-10V Source
Compatibility	XTR Link fixtures: Linear XTR, Linear XTR Direct View and/or Terra Linear
Mounting	Wall mount: 4x Ø0.65" (Ø16.5 mm) surface mount holes
Material / finish	Aluminum / black powder coat
Ambient temperature range	14° F to 131° F (-10° C to 55° C)
Ingress protection	IP20, dry location
Impact protection	IK02, protection against 0.20 joule impact
Fixture connectors	**Control inputs**: Terminal blocks **Outputs**: 4 x composite quick lock connectors, IP67
Warranty	5 years, limited
Weight	42 lbs (19 kg)
Dimensions	**W**x**H**x**D**: 18.58" x 23.62" x 3.35" (472 x 600 x 85mm) - see page 2
Certifications	ETL Intertek, CE

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Order code

XTRD8000

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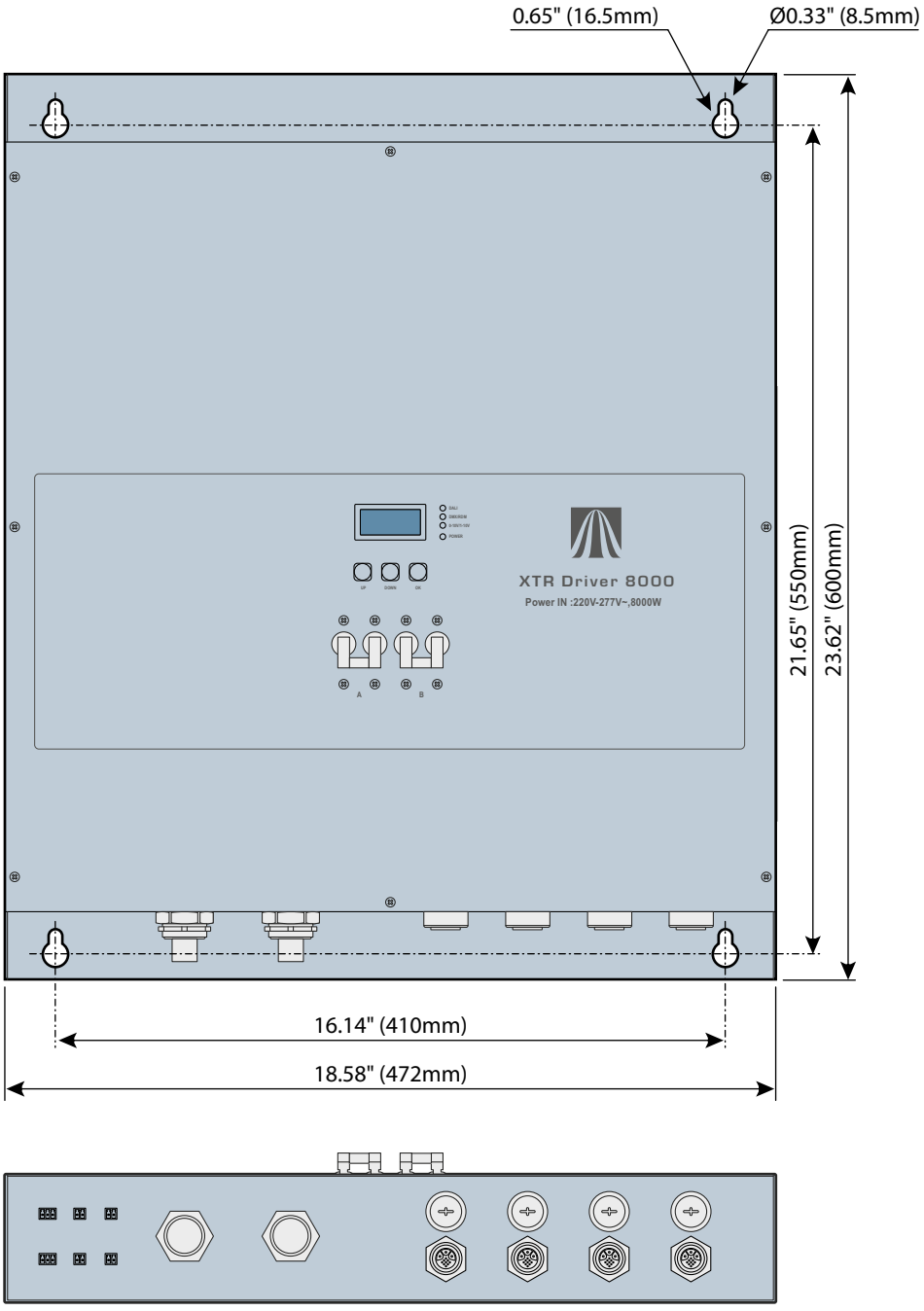
Dimensions



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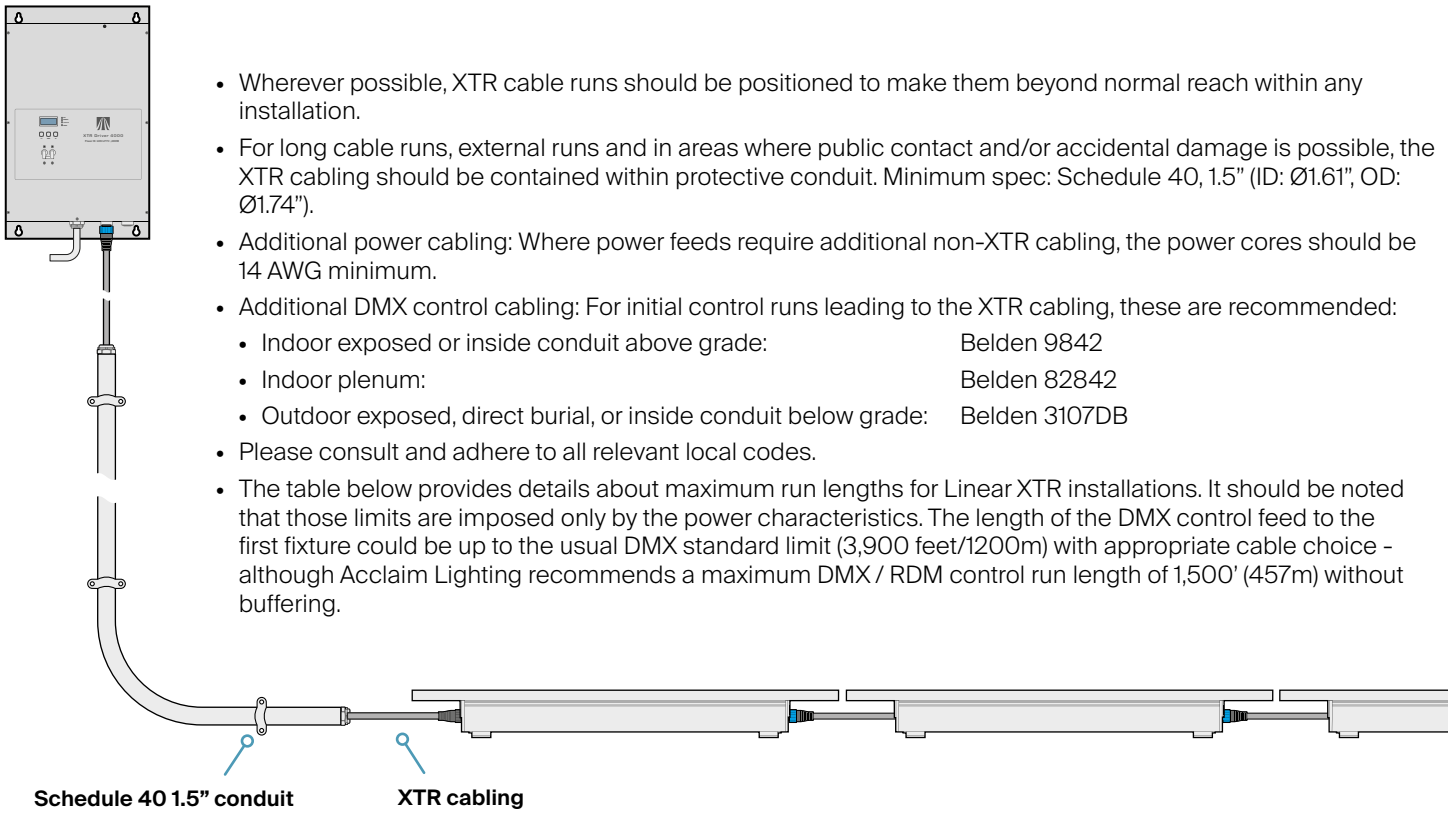
Important cabling considerations



- Wherever possible, XTR cable runs should be positioned to make them beyond normal reach within any installation.
- For long cable runs, external runs and in areas where public contact and/or accidental damage is possible, the XTR cabling should be contained within protective conduit. Minimum spec: Schedule 40, 1.5” (ID: Ø1.61”, OD: Ø1.74”).
- Additional power cabling: Where power feeds require additional non-XTR cabling, the power cores should be 14 AWG minimum.
- Additional DMX control cabling: For initial control runs leading to the XTR cabling, these are recommended:
  - Indoor exposed or inside conduit above grade: Belden 9842
  - Indoor plenum: Belden 82842
  - Outdoor exposed, direct burial, or inside conduit below grade: Belden 3107DB
- Please consult and adhere to all relevant local codes.
- The table below provides details about maximum run lengths for Linear XTR installations. It should be noted that those limits are imposed only by the power characteristics. The length of the DMX control feed to the first fixture could be up to the usual DMX standard limit (3,900 feet/1200m) with appropriate cable choice - although Acclaim Lighting recommends a maximum DMX / RDM control run length of 1,500’ (457m) without buffering.

Run lengths

Linear XTR, Linear XTR DV and/or Terra Linear fixtures connected to XTR Driver 8000

Model	Fixture power	Maximum length of fixtures in a single run
LO	2.5W per foot	2x 700’ (213m)
EO	5W per foot	2x 700’ (213m)
SO	12W per foot	2x 300’ (91.5m)
HO	20W per foot	2x 150’ (45m)

Notes:

- All fixtures connected to a driver are controlled within a single DMX universe.
- The maximum overall length of a single run (fixtures + all cabling) must not exceed 800’ (243m).

For full installation details, please refer to the **user guide**, available for free download here: