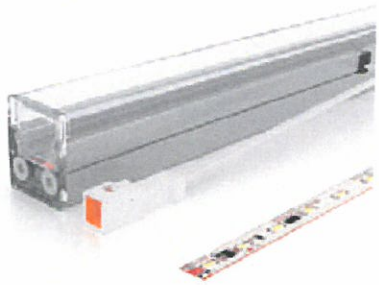
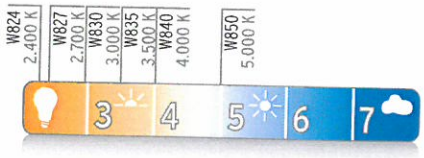
WEBSTER ISB
TYPE SA-1880

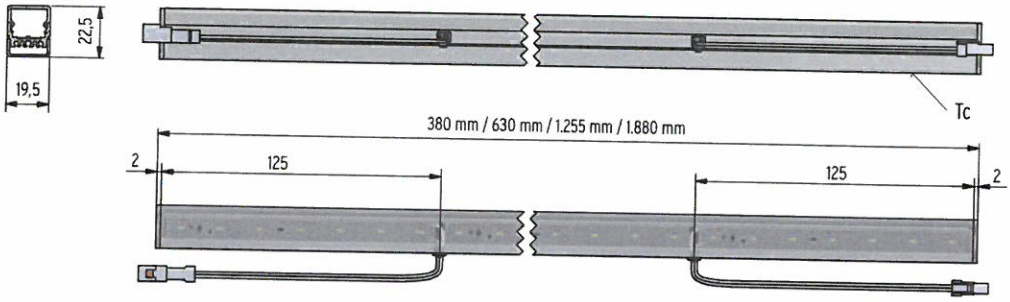
XOOLINE™ HYDRA LD25 IP40*





25 Watt/meter
2.709 lumen/meter (lm/m)
! One Bin Only: 3 MacAdam
Ra/CRI 85

Aufbau & Maße Assembly & measurement



Tc-Punkt: Gesamte Profilrückseite
Tc-point: Entire Al-profile rear side

Elektrische & Optische Betriebsdaten Electrical & optical data

Abmessungen Dimensions (max.)	L x 19,5 mm x 22,5 mm
Leistung Power	25 Watt/meter
Spannung Voltage (V)	24 Volt (23 V_{min}, 25 V_{max})
Strom Current	1,5 A/25 mA per step
Temperatur Temperature	tc_{min} = -25°C, tc_{max} = +70°C
Lagertemp. Storage temp.	t_{min} = -30°C, t_{max} = +85°C
Außentemperatur Ambient temp.	ta_{min} > -25°C, ta_{max} = +45°C

Tj Away®
LED LINEAR™ TECHNOLOGY

ONE BIN ONLY

L80 , >37.000 hrs — Lebensdauer / Lifetime

LM 79 — LM 79 konform / LM 79 compliant

LM 80 — LM 80 konform / LM 80 compliant

XOOLINE™ HYDRA LD25 IP40*	Lumen/meter (lm/m)	Ra CRI	R9	Farbtemperatur Color temperature (K)
W824	1.638	85	30	2.400
W827	2.243	85	20	2.700
W830	2.394	85	20	3.000
W835	2.520	85	20	3.500
W840	2.580	83	20	4.000
W850	2.709	83	10	5.000

Nähere Erläuterungen zu Änderungen, Grenzwerten und Schwankungen im Herstellungsprozess finden Sie im LED Linear™ Systemkatalog, Seite 532.

For more details regarding catalogue changes, min and max data sheet values and production tolerances see the LED Linear™ system catalogue, page 533.

Sicherheits- und Montagehinweise: LED Linear™ Systemkatalog, Seite 534 ff. Safety and assembly information: LED Linear™ system catalogue, page 536 ff.

Ausschreibungstext Specification text

XOOLINE™ HYDRA LD25 IP40*
24 V, LED-Linearleuchte im Aluminiumprofil in standardisierten Längen von 380 mm, 630 mm, 1.255 mm und 1.880 mm, inklusive Montageprofil. Mit Schutzarten von IP10 und IP40. Für eine Vielzahl von Applikationen im geschützten Innenbereich wie Vouten, Theken, Flure, Foyers, Bildungseinrichtungen, Gastronomie, Bibliotheken uvm.
Japanische LED höchster Qualität. „One Bin Only" innerhalb 3 MacAdam garantiert konstante Farbtemperatur und höchste Lichtqualität bei einer Lebensdauer von > 37.000 h (L80). Ra 85.
XOOLINE™ ist je nach Leistung erhältlich in zwei Profilarten mit bis zu zwölf verschiedenen Optiken (Abdeckungen und Stablinsen). Mögliche Kombinationen siehe Tabelle unten „Optiken/Abdeckungen". Made in Germany.

XOOLINE™ HYDRA LD25 IP40*
24 V, LED-linear luminaire encapsulated in an aluminum profile and available in standardized lengths of 380 mm, 630 mm, 1,255 mm and 1,880 mm, including mounting profile. With protection ratings of IP10 and IP40. For a wide range of applications in protected indoor areas such as coves, counters, corridors, foyers, educational institutions, restaurants, libraries and many more.
Japanese LED of the highest quality. "One Bin Only" within 3 MacAdam guarantees constant color temperature and highest light quality at a lifetime of > 37.000 h (L80). CRI 85.
XOOLINE™ is available (depending on power) in two types of profiles with up to twelve different lenses (cover and linear lenses). Possible combinations see table below "optics / cover". Made in Germany.

Bestellnummer Order Code

XOOLINE HYD LD25 827/1880-30D-C004-IP40

Color temperature	
2.400 K	24
2.700 K	27
3.000 K	30
3.500 K	35
4.000 K	40
5.000 K	50
Length	
380 mm	0380
630 mm	0630
1.255 mm	1255
1.880 mm	1880
Cover/Lens options	
10° Diffuse	10D-C004
30° Diffuse	30D-C004
60° Diffuse	60D-C004
No cover/lens	NC-C002
Opal round cover	OR-C002
Diffuse round cover	DR-C002
Clear round cover	CR-C002
Opal low square cover	OL-C002
Diffuse low square cover	DL-C002
Clear low square cover	CL-C002
Opal high square cover	OH-C002
Diffuse high square cover	DH-C002
Clear high square cover	CH-C002
Ingress Protection	
IP10 (only no cover)	IP10
IP40	IP40

Zubehör Accessories

erforderlich required

Konverter
Power supply unit
Seite 519 ff page 519 ff

Kabel 2-adrig
Cable mono
Seite 460 ff page 460 ff

optional optional

Steuerprotokoll
Power control system
Seite 506 ff page 506 ff

Optiken/Abdeckungen Optics / Cover

	ohne Linse/ Abdeckung without optic(cover)	Linear-linse 10° Linear optic 10°	Linear-linse 30° Linear optic 30°	Linear-linse 60° Linear optic 60°	Runde Abdeckung Round cover	Flache Abdeckung Low square/ L² cover	Hohe Abdeckung High square/ H² cover
VarioContour 002							
B x H W x H (mm) 19,5 x 11	19,5 x 15				19,5 x 22,5	19,5 x 17,5	19,5 x 22,5
VarioContour 004							
B x H W x H (mm) 19,5 x 15,5		19,5 x 20	19,5 x 20	19,5 x 20			

Details siehe Seite 474 ff. Details on page 474 ff.

Sicherheits- und Montagehinweise: LED Linear™ Systemkatalog, Seite 534 ff. Safety and assembly information: LED Linear™ system catalogue, page 536 ff

WM TAO & ASSOCIATES
CONSULTING ENGINEERS

Shop Drawing Submittal Review

Transmitted To: Cannon Design

Date: July 8, 2016

Attention: **stl-cac@cannondesign.com**

Contact Person / WTA Field Inspector: Patrick Garner

Project Name: Webster University-**ISB**

Reviewed by: Mark de la Fuente

Project No. WT 14127.01

☐ UPS ☐ Courier ☒ **Email**

Copies	No.	Description
1 PDF	265100E02	(Submittal No. 265100-005) – Indoor Lighting (& Outdoor Lighting)
		• EB, EK, RQ, & SA

Submittal Review Comments

1. Coordinate all color finishes with architect.
2. Type EB: Provide W825 configuration. Coordinate and conceal wiring within guardrail to remote drivers. Provide 45 degree mounting clips. Contractor shall ensure fixtures are securely fastened to guardrail.
3. Type EK – Revise and Resubmit "D3" series in-lieu of "D4" series. This fixture is intended to aim downwards and be equipped with a lens to diffuse the view into the fixture.
4. Type RQ – Coordinate installation with existing fixtures.
5. Type SA – Revise and Resubmit. Submit Hydra LD25 linear product in-lieu of Xooline pre-configured product submitted.

c: **Kelvin Patel**
Kpatel@cannondesign.com

☐ Furnish as Submitted	☒ ***Furnish as Noted**
☐ Rejected	☒ ***Revise & Resubmit**
☐ Reviewed	☐

Corrections or comments made on shop drawings during this review do not relieve contractor from compliance with requirements of drawings and specifications. This check is only for review of general conformance with the design concept of project and general compliance with information given in contract documents. Contractor is responsible for: confirming and correlating all quantities and dimensions; selecting fabrication processes and techniques of construction; coordinating his work with that of all other trades; and performing his work in a safe and satisfactory manner.

WTASHOP - Webster ISB - 26 5100-005

From: STL-CAC <STL-CAC@CANNONDESIGN.COM>
To: 'Patrick Garner' <pgarner@wmtao.com>, WTASHOP <wtashop@wmtao.com>
Date: 6/21/2016 4:04 PM
Subject: Webster ISB - 26 5100-005
Cc: "Patel, Kelvin" <kpatel@CANNONDESIGN.COM>, "Grossman, Lynn" <lgrossman@C...
Attachments: 265100-005 Indoor Lighting Product Data 2.pdf

Attached for review.

Melissa Pirtle
Construction Admin
CANNONDESIGN
1100 Clark Ave
St. Louis, Missouri 63102
T 314.425.8797 • M
cannondesign.com

CANNONDESIGN

SUBMITTAL IDENTIFICATION SHEET

To be completed by Contractor/CM

WEBSTER UNIVERSITY ISB
PROJECT NAME

8274 BIG BEND BLVD
ADDRESS

NUMBER

WEBSTER UNIVERSITY
OWNER

CANNON DESIGN
ARCHITECT / ENGINEER

Joe Voypick
SUBMITTED BY

265100-005
CONTRACTOR / CM SUBMITTAL NO.

CANNON DESIGN SUBMITTAL NO.

DRAWING / DETAIL REFERENCE

265100
SPECIFICATION SECTION / PARAGRAPH

Guarantee Electrical
MANUFACTURER / SUPPLIER

ITEM / PRODUCT ID

REQUIRED DATE

PRIORITY

◯ CRITICAL

ITEM BEING SUBMITTED (check only one)

- ◯ Shop Drawings
- ◯ Samples (_____ copies)
- ◯ LEED Submittal
- ◯ Certification / Qualifications
- ◉ Record Documents
- ◯ Product Data
- ◯ Coordination Drawing
- ◯ Calculations
- ◯ Schedules
- ◯ O&M Manuals
- ◯ Other _____

ITEM BEING SUBMITTED FOR (check only one)

◉ Action ◯ Information Only ◯ Record

REMARKS OR DEVIATIONS

CONTRACTOR / CM CERTIFICATION
(SUBMITTALS NOT CERTIFIED WILL BE RETURNED WITHOUT REVIEW)

PARIC

PARIC CORPORATION
SUBMITTAL STAMP

THIS SHOP DRAWING HAS BEEN REVIEWED BY PARIC CORPORATION

Subcontractor remains responsible for dimensions, quantities, coordination with other trades and compliance with contract documents.

By:
Devin D. Gates

Joe Voypick
REVIEWED BY

6/21/16
DATE

To be completed by Reviewer

26 5100-005
CANNON DESIGN SUBMITTAL NUMBER

6/21/16
RECEIVED DATE

- ◯ A. No Exceptions Taken
  No further review of submittal is required.
- ◯ B. Make Corrections Noted
  Incorporate corrections in work; resubmission is not required.
- ◯ C. Revise and Resubmit
  Revise as noted, and resubmit for review.
- ◯ D. Rejected
  Submittal is not in compliance with Contract Documents; provide new submittal.
- ◯ E. For Record / Information Only
  Submittal was reviewed for Record / Information purposes only.
- ◯ F. Not Required for Review
  Submittal is not required by Contract Documents and has not been reviewed.

Review is for conformance with the design concept of this project and for general compliance with contract documents. Contractor is responsible for quantities, dimensions and compliance with contract documents and for information that pertains to fabrication processes, construction techniques and coordination of this work with all trades which will be affected thereby. This review is null and void if submittal deviates from contract documents and does not indicate or note deviations.

A/E COMMENTS ◯ See attached sheet(s) for additional comments

REVIEWED BY

DATE

77 Westport Plaza
Suite 250
St. Louis, MO 63146

TRANSMITTAL

No. 15051-0100

Paric Corporation

PROJECT: 15051-Webster University Interdisciplinary Science Building

DATE: 06/21/2016

TO: Cannon Design
1100 Clark Ave
St Louis MO 63102

RE: Indoor Lighting Product Data 2

ATTN: Kelvin Patel

JOB: 15051

WE ARE SENDING:	SUBMITTED FOR:	ACTION TAKEN:
☐ Shop Drawings	☑ Approval	☐ Approved as Submitted
☐ Letter	☐ Your Use	☐ Approved as Noted
☐ Prints	☐ As Requested	☐ Returned After Loan
☐ Change Order	☐ Review and Comment	☐ Resubmit
☐ Plans		☐ Submit
☐ Samples	**SENT VIA:**	☐ Returned
☐ Specifications	☐ Attached	☐ Returned for Corrections
☑ Other: Product Data	☐ Separate Cover Via:	☐ Due Date:

Item	*Package*	*Code*	*Rev.*	*Copies*	*Date*	*Description*	*Status*
Submittal		265100-005	1		06/21/2016	Indoor Lighting Product Data 2	Submitted

NOTES:

CC: Paric Corporation, Kathy Bathe

Project Coordinator: Paric Corporation, Kathy Bathe

Signed: _____
Devin Gates