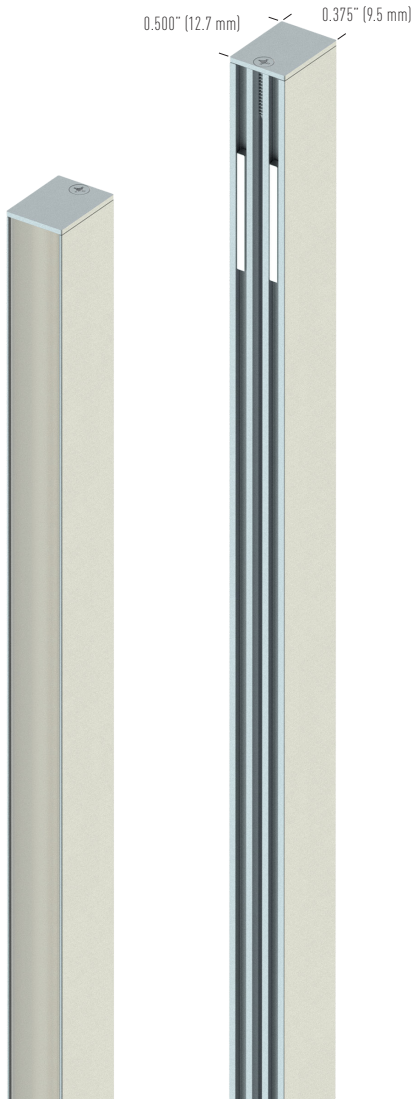


Type _____ Specifier _____ Project _____ Date _____



NIXE

Create more vibrant environments with our five signature optics

No colour-over-angle, no visible LED dots, just pure light where you want it

Refined minimalist optic-to-body edge design

Application



Ambient diffused light



Wall washing and grazing



Asymmetric lighting

Light output

Standard light output

Reference configuration			
CCT	CRI	FINISH	OPTIC
3500K	80	ACL	20°

Luminous Flux Density			Efficacy
W/ft	Delivered Lumens		
4	360 lm/ft	(1180 lm/m)	92 lm/W
6	535 lm/ft	(1755 lm/m)	91 lm/W

Light source

870 lm/ft @ 6 W/ft, 3500K, 80 CRI

Total Light Loss Factor (TLLF) calculation

CCT/CRI table					
CCT	CRI	LLF	CCT	CRI	LLF
2200K	90	0.68	2400K	90	0.73
2700K	80	0.96	3000K	80	1.00
	90	0.79		90	0.86
3500K	80	1.00	4000K	80	1.03
	90	0.86		90	0.89

Finish table	
FINISH	LLF
ACL	1.00

Optics table	
OPTIC	LLF
20°	1.00
40°	0.96
70°	1.00
100°	0.85
AS	1.00

CCT/CRI LLF × Finish LLF × Optics LLF = TLLF

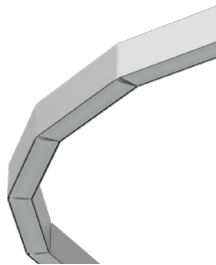
Actual light output

Example configuration			
CCT	CRI	FINISH	OPTIC
2700K	90	ACL	40°

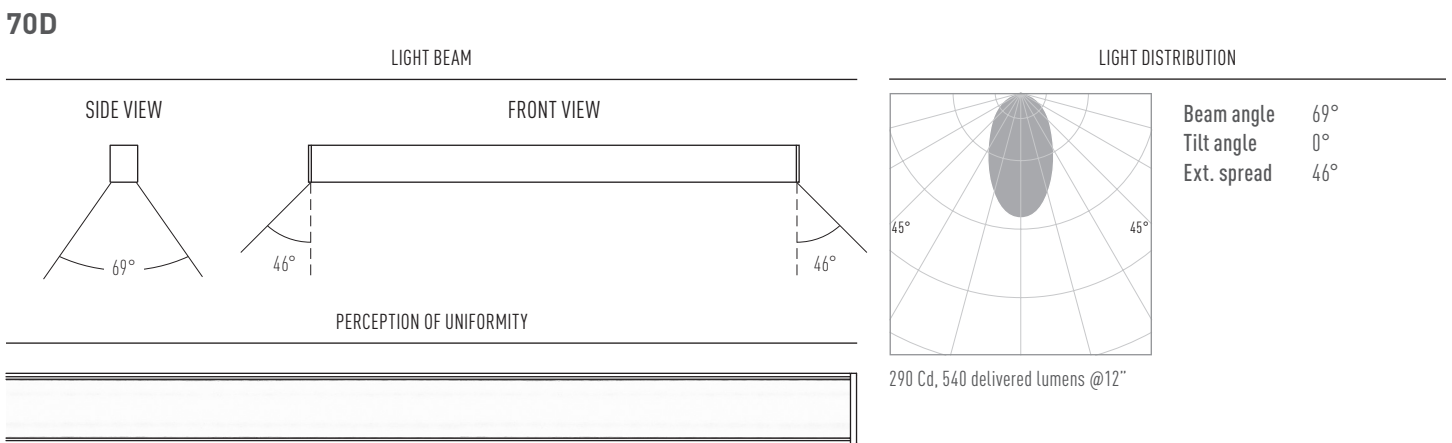
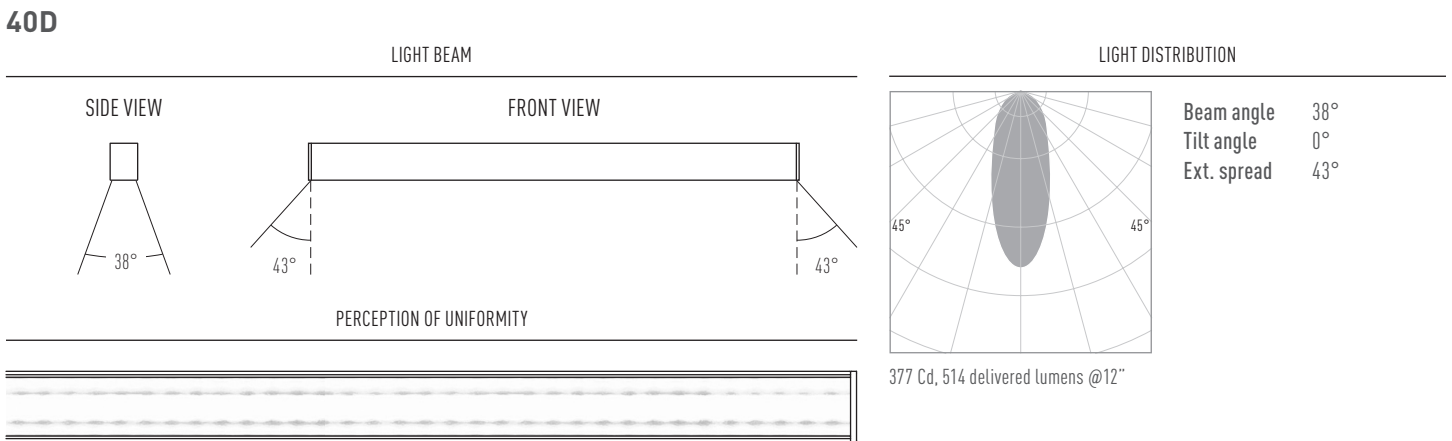
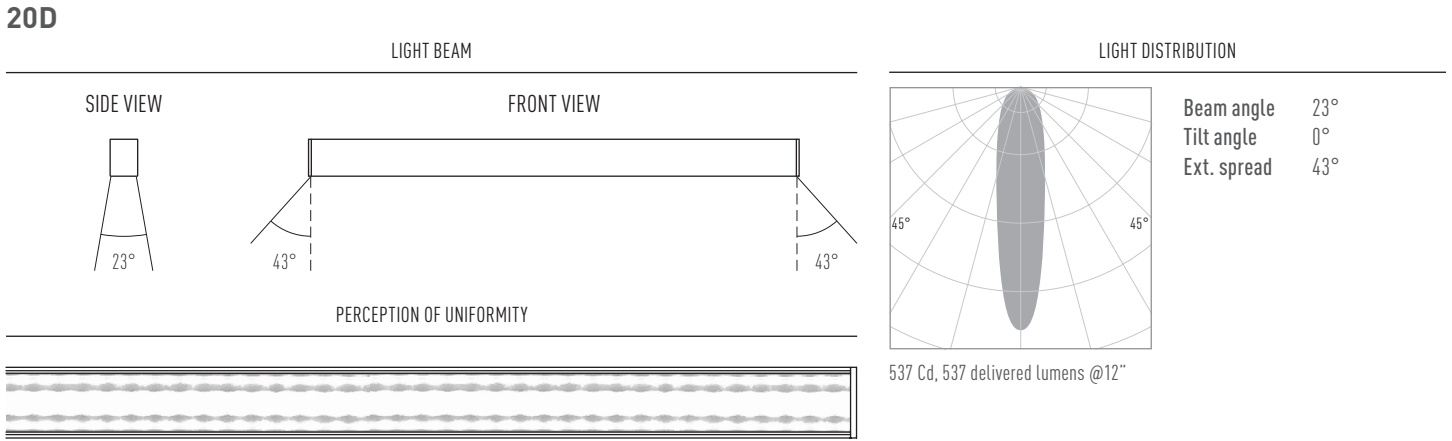
Reference LFD			Actual LFD
W/ft	Lum. Flux Density (LFD)		
4	360 lm/ft	(1180 lm/m)	274 lm/ft (897 lm/m)
6	535 lm/ft	(1755 lm/m)	407 lm/ft (1334 lm/m)

0.79 × 1.00 × 0.96 = TLLF 0.76

Flex option available



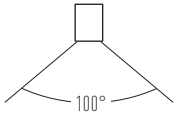
Optical distributions



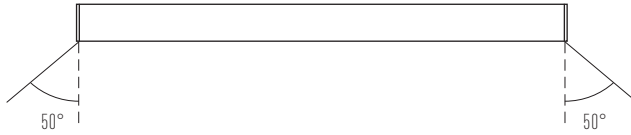
100D

LIGHT BEAM

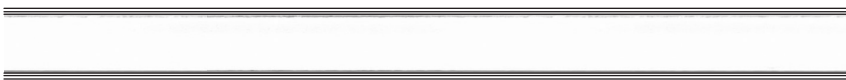
SIDE VIEW



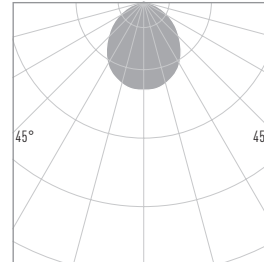
FRONT VIEW



PERCEPTION OF UNIFORMITY



LIGHT DISTRIBUTION



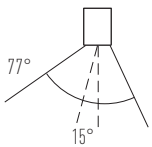
Beam angle 100°
Tilt angle 0°
Ext. spread 50°

180 Cd, 455 delivered lumens @12"

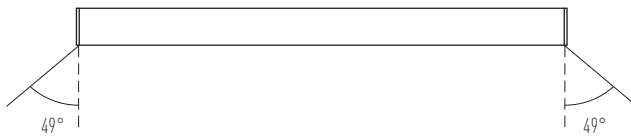
ASD

LIGHT BEAM

SIDE VIEW



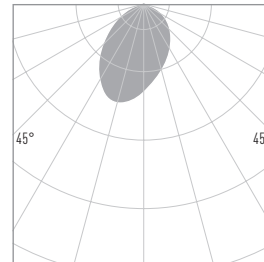
FRONT VIEW



PERCEPTION OF UNIFORMITY



LIGHT DISTRIBUTION

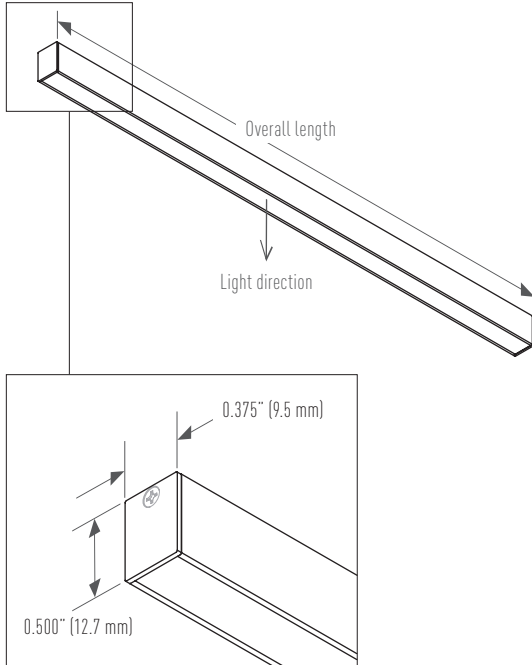


Beam angle 77°
Tilt angle 15°
Ext. spread 49°

255 Cd, 539 delivered lumens @12"

Physical

General dimensions



Construction

Aluminium body
PMMA optic

Finish

ACL Anodized clear



Weight

0.11 lbs/ft (161 g/m)

Length specifications

8.2" to 100.2" in increments of 1"

(see last page for metric equivalences)

Ingress protection

IP40

Operating ambient temperature

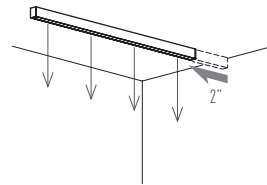
0 °C to 40 °C

Storage temperature

0 °C to 40 °C at 50% humidity.

Installation advice

For optimal light distribution on surfaces, suggest keeping a 2" (50mm) clearance from the side wall.



Electrical

i This product is a **DC LED Lighting Module**. The following are required to operate as a complete system – to order separately:

Power Supply

24 VDC | Constant Voltage | PWM (if dimmable) | Remote Installation

Recommended driver: Eclipse Light Manager LM-24V-100W-[...]

[1% dim in 0-10V / DALI / Ecosystem]

MODULE CURRENT REGULATION

PASSIVE

DRIVER COMPATIBILITY

UNIVERSAL*

*following driver spec. req., works with all models

Input Voltage 24 VDC in Constant Voltage

Power Density 4 W/ft | 6 W/ft (13 W/m | 20 W/m)

Dimming Capable of operating down to 0.1%

[depends on driver performance/limitations]

Wiring UL listed, NEC art. 800 compliant CMG cable, 48"-long, 20 AWG, Red(+)/Black(-), polarized. Not approved for plenum/air handling spaces.

Safety Information cULus Listed, CE, SELV, Class 2, Dry location

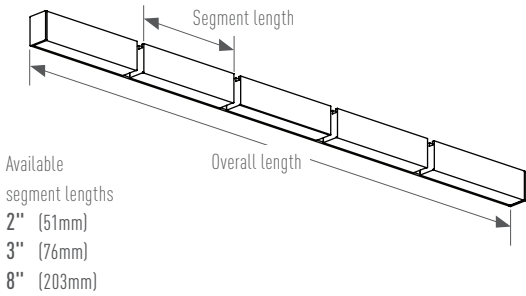
Installation Magnetically mounted (order carbon steel band accessory separately).

Cable limit Voltage loss tolerance due to remote driver cable course, up to -2.5 V. See **LIGHT MANAGER** spec for max. cable length table per AWG.

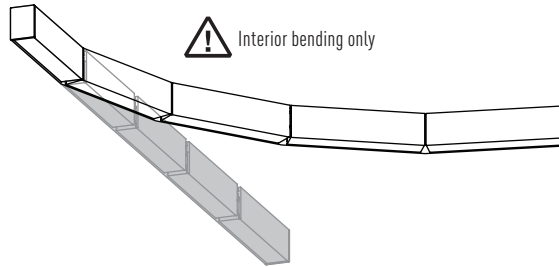
Applications Designed for general, whole room, surface lighting. Small yet powerful, five optics choices and ideal near-field distribution means you can customize light intensity/distribution to your exact needs resulting in on-target illuminance!

NIXE FLEX model

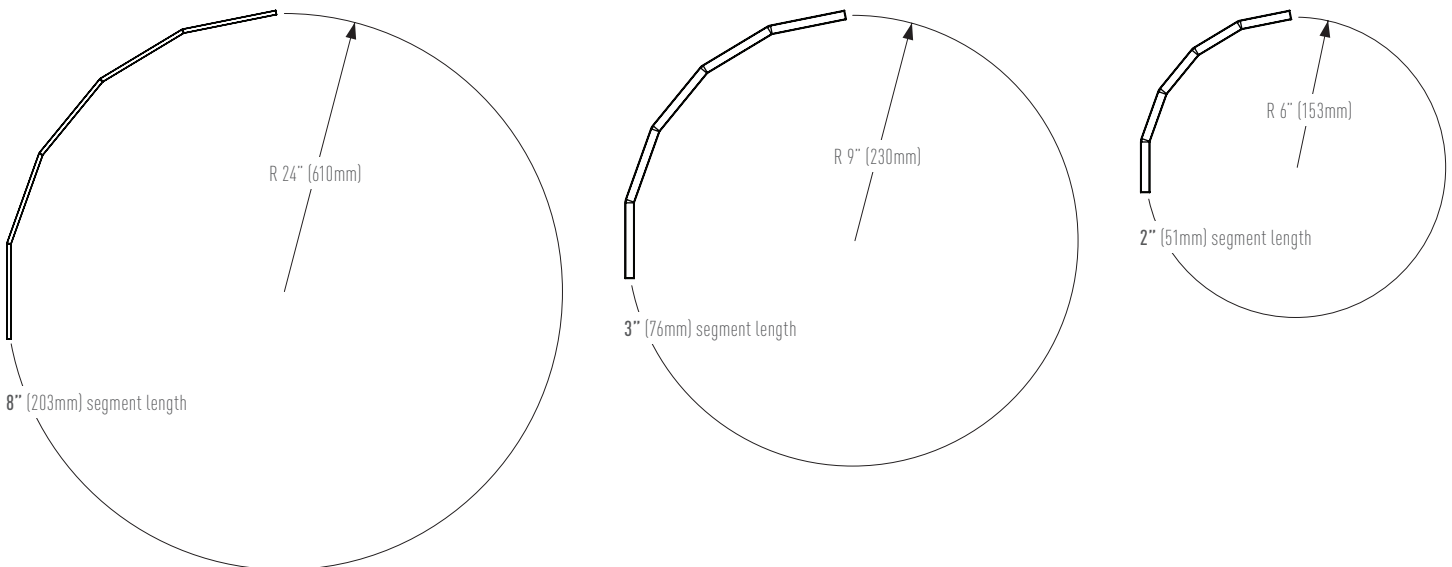
General dimensions



Bending



Minimum curve radius

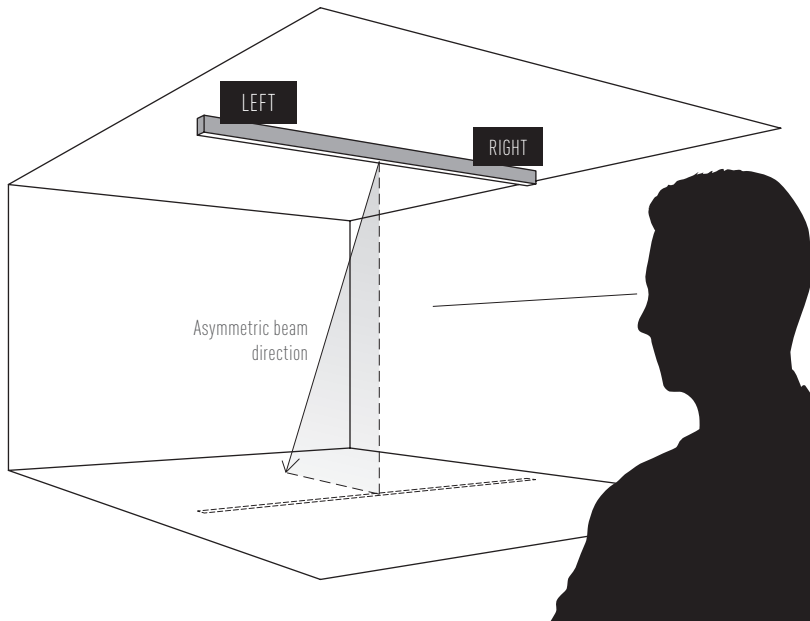


Wiring options

WIRE DIRECTION

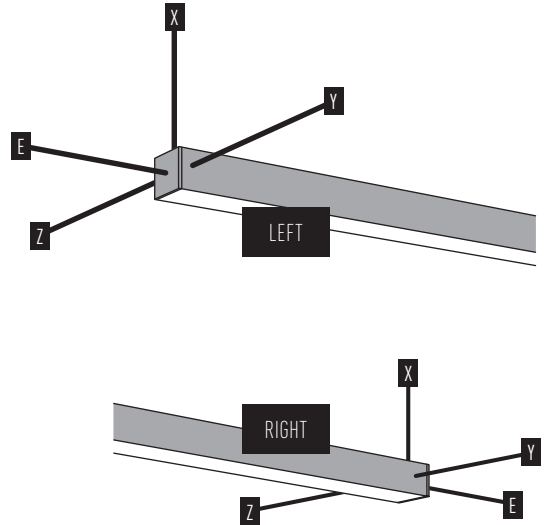
Single exit. Allows the possibility to choose left or right wire exit.

Double exit. Connection system allowing fixtures to be installed in a series left and right exit.

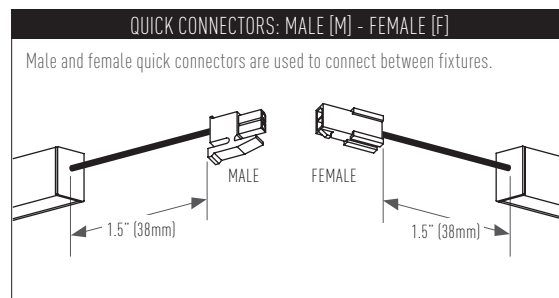
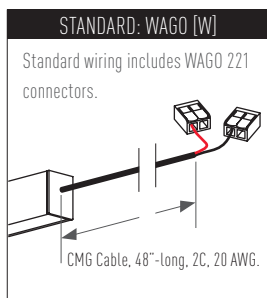


In asymmetric beams, left and right are set in relation to the light going away from your sight.

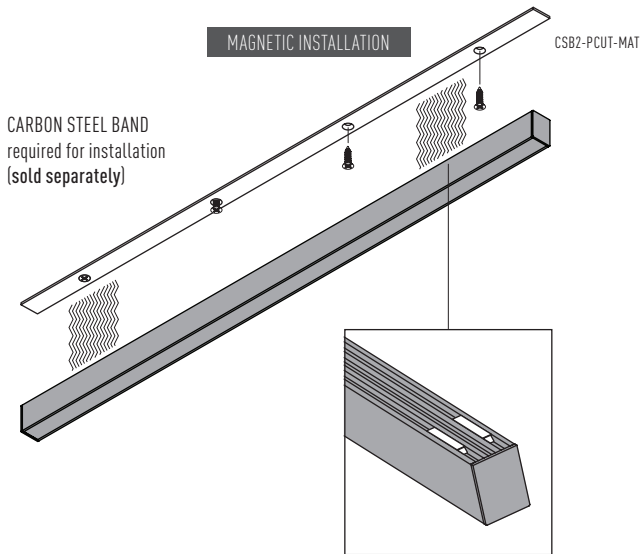
WIRE EXIT



WIRE CONNECTOR



Integration overview

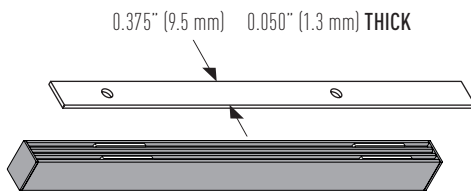


Essential accessories

Carbon steel band

CSB2-PCUT-MAT

Required for magnetic installation. Pre-cut to match ordered lengths.



NIXE ordering code

PRODUCT	INPUT	OUTPUT	FINISH	CCT / CRI	OPTIC	OVERALL LENGTH	MOUNTING OPTION	WIRING						
N	24V	4W	ACL Anodized clear	2200K 80	100D	8.2" to 100.2" Available in increment of 1". If double wire exit, add 0.2" to the overall length.	MIH Magnetic insert PILC Pivoting base	Single wire exit						
		6W		2400K 80	ASD			EXIT	DIRECTION	CONNECTOR	LENGTH			
		CUSTOM		2700K 80 90	70D			L	E	W	48"			
				3000K 80 90	40D			R	X	M	CUSTOM			
				3500K 80 90	20D				Y	F				
				4000K 80 90	ASD Asymmetric (80° x 15° tilt beam)				Z					
		CUSTOM					Double wire exit							
							EXIT	DIRECT.	CONN.	LENGTH	EXIT	DIRECT.	CONN.	LENGTH
							L	E	W	48"	R	E	W	48"
								X	M	CUST.		X	M	CUST.
								Y	F			Y	F	
								Z				Z		

W Standard connector - M Male quick connector - F Female quick connector
For further details, refer to "Wiring option" section.

ORDERING CODE	EXAMPLE	N	24V	6W	ACL	2400K/80	40D	56.2	MIH	LXM48RXF48

Available overall lengths

inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	
8.2	208	10.2	259	20.2	513	30.2	767	40.2	1021	50.2	1275	60.2	1529	70.2	1783	80.2	2037	90.2	2291	
9.2	233	11.2	284	21.2	538	31.2	792	41.2	1046	51.2	1300	61.2	1554	71.2	1808	81.2	2062	91.2	2316	
		12.2	310	22.2	564	32.2	818	42.2	1072	52.2	1326	62.2	1580	72.2	1834	82.2	2088	92.2	2342	
		13.2	335	23.2	589	33.2	843	43.2	1097	53.2	1351	63.2	1605	73.2	1859	83.2	2113	93.2	2367	
		14.2	360	24.2	614	34.2	868	44.2	1122	54.2	1376	64.2	1630	74.2	1884	84.2	2138	94.2	2392	
		15.2	386	25.2	640	35.2	894	45.2	1148	55.2	1402	65.2	1656	75.2	1910	85.2	2164	95.2	2418	
		16.2	411	26.2	665	36.2	919	46.2	1173	56.2	1427	66.2	1681	76.2	1935	86.2	2189	96.2	2443	
		17.2	437	27.2	691	37.2	945	47.2	1199	57.2	1453	67.2	1707	77.2	1961	87.2	2215	97.2	2469	
		18.2	462	28.2	716	38.2	970	48.2	1224	58.2	1478	68.2	1732	78.2	1986	88.2	2240	98.2	2494	
		19.2	487	29.2	741	39.2	995	49.2	1249	59.2	1503	69.2	1757	79.2	2011	89.2	2265	99.2	2519	
																			100.2	2545

NIXE FLEX ordering code

PRODUCT	INPUT	OUTPUT	FINISH	CCT / CRI	OPTIC	SEGMENT LENGTH	OVERALL LENGTH	WIRING																																																												
NF	24V	4W	ACL Anodized clear	2200K 80	100D	2"	4.4" to 78.7"	<p>Single wire exit</p> <table border="1"> <thead> <tr> <th>EXIT</th> <th>DIRECTION</th> <th>CONNECTOR</th> <th>LENGTH</th> </tr> </thead> <tbody> <tr> <td>L</td> <td>E</td> <td>W</td> <td>48"</td> </tr> <tr> <td>R</td> <td>X</td> <td>M</td> <td>CUSTOM</td> </tr> <tr> <td></td> <td>Y</td> <td>F</td> <td></td> </tr> <tr> <td></td> <td>Z</td> <td></td> <td></td> </tr> </tbody> </table> <p>Double wire exit</p> <table border="1"> <thead> <tr> <th>EXIT</th> <th>DIRECT.</th> <th>CONN.</th> <th>LENGTH</th> <th>EXIT</th> <th>DIRECT.</th> <th>CONN.</th> <th>LENGTH</th> </tr> </thead> <tbody> <tr> <td>L</td> <td>E</td> <td>W</td> <td>48"</td> <td>R</td> <td>E</td> <td>W</td> <td>48"</td> </tr> <tr> <td></td> <td>X</td> <td>M</td> <td>CUST.</td> <td></td> <td>X</td> <td>M</td> <td>CUST.</td> </tr> <tr> <td></td> <td>Y</td> <td>F</td> <td></td> <td></td> <td>Y</td> <td>F</td> <td></td> </tr> <tr> <td></td> <td>Z</td> <td></td> <td></td> <td></td> <td>Z</td> <td></td> <td></td> </tr> </tbody> </table>	EXIT	DIRECTION	CONNECTOR	LENGTH	L	E	W	48"	R	X	M	CUSTOM		Y	F			Z			EXIT	DIRECT.	CONN.	LENGTH	EXIT	DIRECT.	CONN.	LENGTH	L	E	W	48"	R	E	W	48"		X	M	CUST.		X	M	CUST.		Y	F			Y	F			Z				Z		
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6W	2400K 80	ASD	3"																																																																	
CUSTOM	2700K 80 90	70D	8"																																																																	
	3000K 80 90	40D	CUSTOM																																																																	
	3500K 80 90	20D	<p>ASD Asymmetric (80° x 15° tilt beam)</p> <p>Refer to the table below to find the right overall length based on the corresponding segment length.</p> <p>Custom lengths available in 1", 4", 5", 6" or 7" only.</p> <p>If double wire exit, add 0.2" to the overall length.</p>																																																																	
	4000K 80 90																																																																			
	CUSTOM																																																																			

W Standard wire - M Male quick connector - F Female quick connector
For further details, refer to "Wiring option" section at page 6.

EXAMPLE	NF	24V	4W	ACL	4000K/90	70D	8	65.5	REW48
ORDERING CODE									

Available overall lengths

2" segments				3" segments			8" segments				
inches	mm	inches	mm	inches	mm	inches	mm				
4.4	112	21.9	556	41.6	1055	61.2	1555	16.4	417	57.4	1456
6.6	168	24.1	611	43.8	1111	63.4	1610	24.6	625	65.5	1664
8.8	223	26.3	667	45.9	1166	65.6	1665	32.8	833	73.7	1872
		28.5	722	48.1	1222	67.8	1721	41.0	1041		
11.0	279							49.2	1248		
13.2	334	30.7	778	50.3	1277	70.0	1776				
15.4	390	32.8	833	52.5	1333	72.1	1832				
17.5	445	35.0	889	54.7	1388	74.3	1887				
19.7	501	37.2	944	56.9	1444	76.5	1943				
		39.4	1000	59.0	1499	78.7	1998				

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