

FIXTURE SPECIFICATIONS

INTENDED USE

Our linear pendant, recessed, wall or surface-mounted LED light is designed for commercial and residential lighting interiors. The narrow, 4-inch wide lens, LED product offers an RGBW, tunable-white and Bluetooth Mesh smart phone app for optimal performance and versatility. The commercial-grade product provides up to 5,700 lumens of high-CRI LED light per 4-foot run and can be connected for seamless runs of any length. This 120V-277V product is ideal for office lighting and conference rooms.

PRODUCT FAMILY

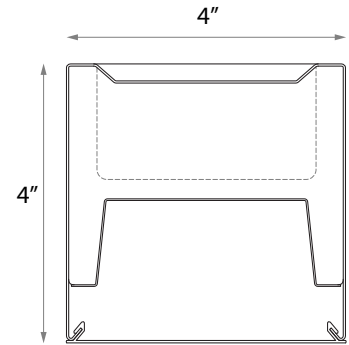
- 12100-40-P Pendant Mount
- 12100-40-W Wall Mount
- 12100-40-S Surface Mount
- 12100-40-R Recessed Mount

AVAILABLE LENGTHS

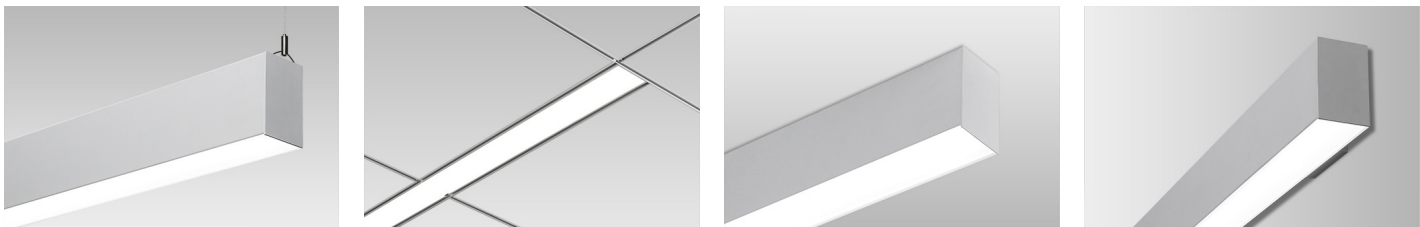
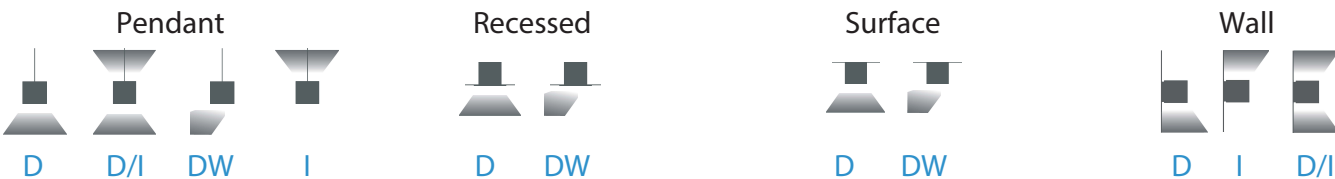
- 2FT, 3FT, 4FT, 6FT & 8FT
- Continuous Run | Consult Factory
- Custom Length | Consult Factory

FEATURES

- Construction:** Die-formed and welded 22-gauge cold rolled steel, painted finish with premium paint
- Continuous Run:** Full ability to tandem mount for continuous run application
- Indirect Pendant Mounting:** For most effective indirect lighting result, mount at no less than 18" from the ceiling
- Custom Design:** Offered with pre-fabricated and fully illuminated corners
- Lens:** Glare-free frosted acrylic flat snap-in lens for even distribution
- Voltage:** 50/60 Hz Constant current 0-10V @ 120-277V, TRIAC & ELV @ 120V RGBW Tunable White @ 120-277V
- Dimming for Static Color:** 0-10V, TRIAC (Forward-phase), ELV (Reverse-phase)
- RGBW Smart Phone App:** Light Mesh Bluetooth App for [iOS](#) and [Android](#)
- Life:** +60,000 Reported L70 Hours @ 55°C
- Operating Temperature:** 4°F (-20°C) ~ 122°F (50°C).
- Warranty:** 5 years (Static Colors) and 2 years (RGBW & Tunable White) carefree for parts & components. (Labor not included)
- Listings:** cULus Listed, UL listed for damp location, DLC listed (Excludes RGBW), ADA compliant (Less than 4" off wall), BAA



Alcon Lighting 12100-40 Architectural LED Linear Direct/Indirect Light Fixture



ORDERING INFORMATION Example: (12100-40-P-D-D4-S-4-27K-010-WH-WH-8)

MODEL	12100-40 4" x 4"		
MOUNTING	P Pendant W Wall S Surface	RT Recessed T-Bar Grid RS Recessed Screw Slot Grid	RF Recessed Flanged RTL Recessed Trimless
DOWNLIGHT OPTIC	D Direct DW Direct Wallwash ¹⁶	DI Direct / Indirect DWI Direct Wallwash / Indirect ¹⁶	I Indirect Pendant Mounting
DOWNLIGHT LUMENS²⁰ <i>Wattage & Lumens per foot</i>	STATIC WHITE D4 4.5 Watts 725 lms D6 6.75 Watts 1172 lms D9 9 Watts 1241 lms D12 12 Watts 1536 lms D13 13.5 Watts 1753 lms Dxx Specify Lumens (Min 113 lms - Max 2000 lms)	TUNABLE WHITE TW-4 4.5 Watts 734 lms ¹⁴ TW-6 6.75 Watts 924 lms ¹⁴ TW-9 9 Watts 991 lms ¹⁴ TW-12 12 Watts 1384 lms ¹⁴ TW-13 13.5 Watts 1467 lms ¹⁴ TW-DLO 11 Watts 1024 lms ¹⁵ TW-DHO 16.5 Watts 1536 lms ¹⁵	RGBW¹³ RGBW-D10 10 Watts 425 lms RGBW-D20 20 Watts 850 lms
UPLIGHT OPTIC¹⁸	Blank Not Required CC Clear cover for no optic	15 15° 30 30° 60 60°	20 20° Asymmetric 120 120° Batwing
UPLIGHT LUMENS^{1,2,20} <i>Wattage & Lumens per foot</i>	STATIC WHITE Blank Not Required I4 4.5 Watts 683 lms I6 6.75 Watts 976 lms ³	TUNABLE WHITE Blank Not Required TW-4 4.5 Watts 530 lms ¹⁴ TW-6 6.75 Watts 733 lms ¹⁴ TW-ILO 5.5 Watts 512 lms ¹⁵ TW-IHO 11 Watts 1024 lms ¹⁵	RGBW¹³ Blank Not Required RGBW-I10 10 Watts 425 lms
SHAPE	(Specify in Feet) Sxx Single Run xx = 2', 3', 4', 6' or 8' CRxx Continuous Run xx = Length RCxx Rectangle ⁵ xx = Width & Length SQxx Square ⁵ xx = Width & Length	Xxx Cross ⁵ xx = Leg 1 & Leg 2 Txx Tee ⁵ xx = Top leg & Base Leg Uxx U ⁵ xx = Base Leg & Side Leg CWxx Ceiling to Wall ⁵ xx = Ceiling & Wall	90xx 90° Angle ⁵ xx = Leg 1 & Leg 2 135xx 135° Angle ⁵ xx = Leg 1 & Leg 2 CU Custom ⁶
COLOR TEMPERATURE	STATIC WHITE 27K 2700K Warm White ¹⁷ 30K 3000K Soft White 35K 3500K Neutral White 40K 4000K Cool White 50K 5000K Daylight	TUNABLE WHITE TW2750 2700-5000K (Wired) ⁷ TW2065 2000-6500K (Wired) ⁷ TW3065 3000K-6500K (Wireless) ^{4, 8}	RGBW¹³ RGBW30 RGB + W (3000K) RGBW40 RGB + W (4000K)
DRIVER	STATIC WHITE 010 0-10V 1% ^{Standard} TRI Triac (120V) ELV Electronic Low Voltage ES566 eldoLED 0-10V SOLDrive	TUNABLE WHITE 050 Tunable White 0-10V	RGBW¹³ 24V RGBW & Wireless Tunable White ⁸ DMX 4-Channel DMX512 Decoder ⁸
FINISH	WH White (Matte) ^{Standard} SL Silver (Matte)	BK Black (Matte) RAL# Specify RAL # (Pg. 3)	
PENDANT MOUNTING	Blank Not Required	AC4 4' Adjustable Aircraft Cable AC8 8' Adjustable Aircraft Cable ACxx Specify xx ' in Feet (Max 30')	ST2 2' Stem ¹² ST4 4' Stem ¹² STxx Specify xx ' in Feet (Max 8') ¹²
PENDANT CEILING TYPE	Blank Not Required	T9 9/16" T-bar Grid T15 15/16" T-bar Grid	H Hard Ceiling SH Hard Ceiling Sloped
CORD / CANOPY FINISH	WH/WH White Cord / White Canopy WH/BK White Cord / Black Canopy	BK/BK Black Cord / Black Canopy BK/WH Black Cord / White Canopy	WH/RAL# White Cord / Specify RAL # (Page 3) BK/RAL# Black Cord / Specify RAL # (Page 3)
CRI	8 80+ CRI	9 90+ CRI ⁹	
CONTROLS	STATIC WHITE Blank Not Required LV Lutron VIVE Wireless ¹¹ FE Fulham Elite Control ¹¹	TUNABLE WHITE⁴ TW-WWR-BK Wireless Black Wall Remote TW-WWR-WH Wireless White Wall Remote TW-DWR-BK Wireless Black Desktop Remote TW-2N1-WH Wired White Wall Switch	RGBW¹³ RGBW-APP iOS/Android Bluetooth App RGBW-MZ Wireless RF Remote Control Multi Zone RGBW-DMXAC 4-Channel DMX512 Decoder (100-240VAC) RGBW-DMXSV 4-Channel DMX512 Decoder (5VDC adapter)
WARRANTY	Blank 5 Year Warranty ^{Standard}	W7 7 Year Warranty	W10 10 Year Warranty
OPTIONS	EM8 8W Emergency Battery EM15 15W Emergency Battery EM20 20W Emergency Battery	EM25 25W Emergency Battery OS Occupancy & Daylight Harvesting Sensor ¹⁹ DS Daylight Dimming Photo Sensor ¹⁹	AB Separate Uplight & Downlight Dimming Control ¹⁰ GTD Bodine Generator Transfer Device COC Chicago Code Compliance Separated EM Feed

1 Only available for Pendant and Wall Mounts with General Downlight Optics

2 RGBW downlight can be paired with a static color temperature uplight or RGBW uplight

3 Only compatible with D6 & D12 Downlight Wattages

4 Wireless control must be specified (page 5)

5 Minimum Length of 2 Feet

6 Draw your custom shape and send us your idea to rfq@alconlighting.com

7 Must be Paired with 050 Driver

8 Must specify for RGBW & Wireless Tunable White 24V Driver

9 Not available for RGBW

10 For RGBW, AB is only available though RGBW-MZ control or RGBW-APP

11 Control system must be specified for this feature

12 Stem finish will be the same as fixture finish

13 Bluetooth app control or wireless control must be specified for this feature (cannot be combined)

14 Only for Wired Tunable White Control

15 Only for Wireless Tunable White Control

16 Not available for RT, RS, and RTL mountings

17 Only available in 90CRI

18 Not available for RGBW

19 Not available for wall mount

20 Maximum wattage is 75W per 4 feet

FINISHES










Standard	Matte White	RAL #9003
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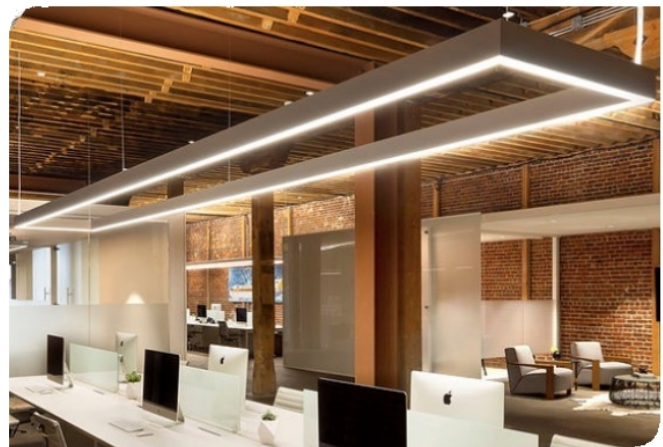
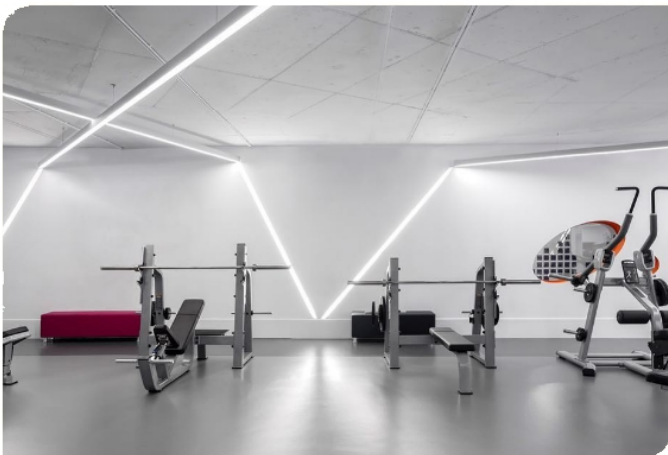
Set up fee and longer lead time will be applied on non-standard finishes.

Metropolitan

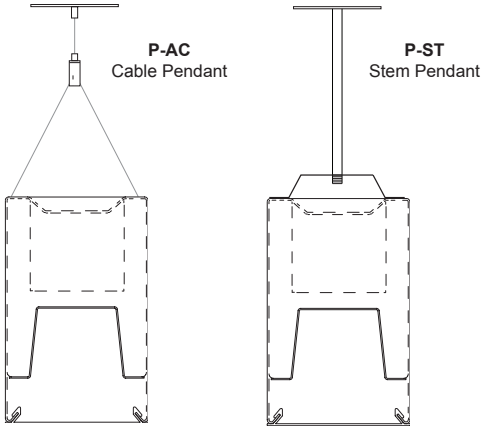
	Black	RAL #9011
	Silver	RAL #9022
	Asher Grey	RAL #7004
	Mason	RAL #7039
	Slate	RAL #7031
	Tech Grey	RAL #7016
	Chocolate Spice	RAL #8017
	Urban Native	RAL #8025
	Carmin	RAL #8028
	Reseda Green	RAL #6011

Vibrant

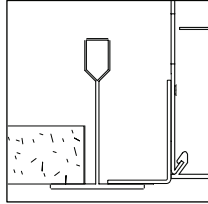
	Violet Dreams	RAL #4006
	Purple Red	RAL #3004
	Carmine Red	RAL #3002
	Rose	RAL #3017
	Pure Orange	RAL #2004
	Traffic Yellow	RAL #1023
	Daisy	RAL #1018
	Antique Spring	RAL #6019
	Island Skye	RAL #6027
	Sky Blue	RAL #5015



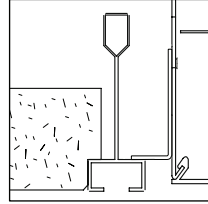
MOUNTING



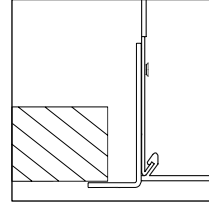
RT - T-Bar Grid Mount



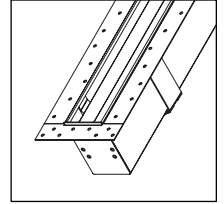
RS - Screw Slot Mount



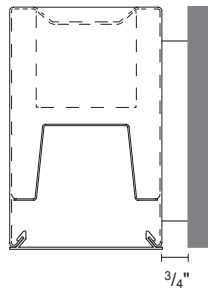
RF - Flange Detail



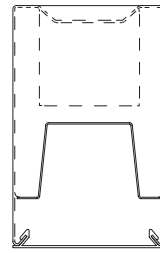
RTL - Trimeless Detail



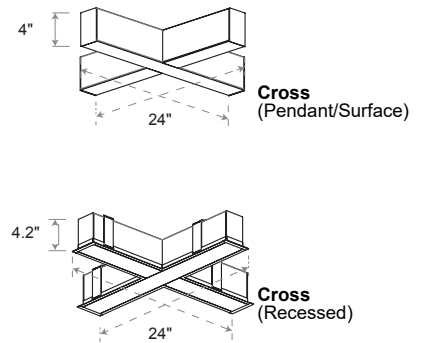
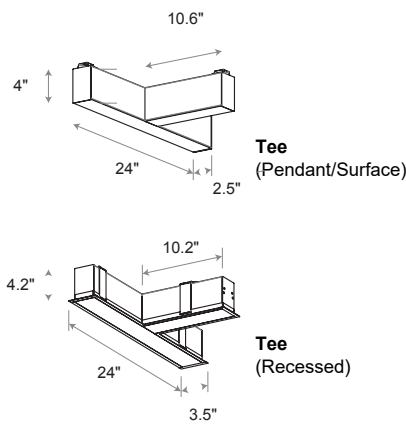
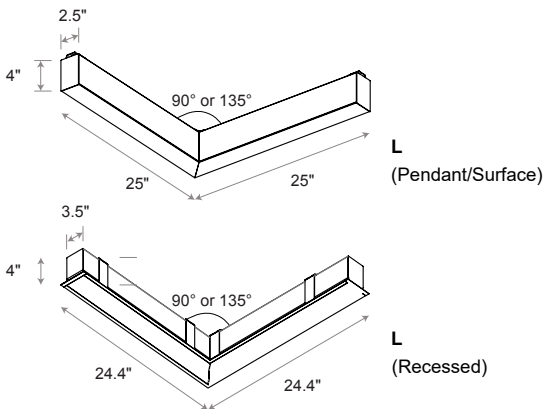
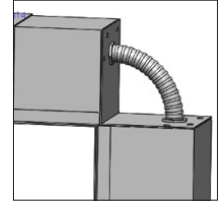
W - Wall



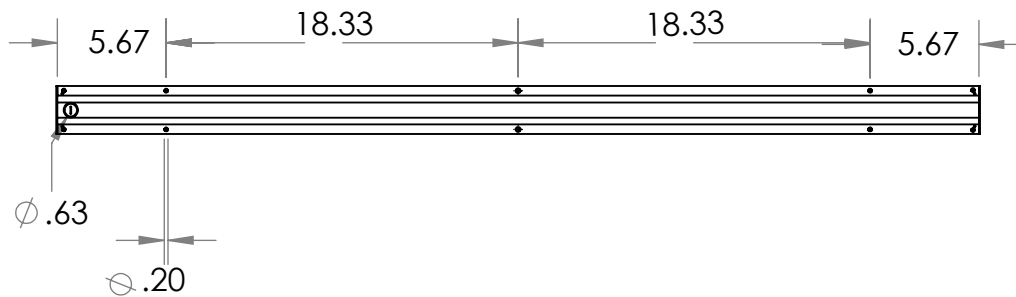
S - Surface





CW - Ceiling to Wall



Knockout Locations (4Ft Body)



DIMMERS

	Static White			TUNABLE WHITE
	Triac	ELV	0-10V	0-10V
	TG-600P LG-600P TGCL-153P DV-600P DVCL-153P S-603PG CT-103P S-600P	DVELV-303P SELV-300P MAELV-600 FAELV-500	NTSTV NFTV DVSTV	DVTV DVSTV For use with TW2750 & TW2065 Must order two items: (1) For Dimming (2) For Color Tuning
	6161 6633-P 6683 6631-2 IPI06-1LZ	IPE04 VPE06-1LZ	IP710-DLZ	

WIRELESS TUNABLE WHITE CONTROL

Weight	0.35 lbs
Dimming Type	PWM
Signal Type	RF (Radio Frequency) 434 MHz/868MHz
Range	100ft from fixture
Maximum Load	24V @ DC 480W
Working Temperature	-20°F to 140°F (-28C to 60°C)
Battery	3V (CR2032 Battery)

Wall

L - 4 3/8" x W - 3 1/4" x D - 1 3/4"



Desktop

L - 4 3/8" x W - 3 1/4" x D - 2 1/2"



RGBW-APP | Bluetooth Smart Phone App



Smart Life



Tuya Smart

Bluetooth	
Software	IOS 8.0 and up, Android 4.4 and up
App	Smart Life or Tuya Smart supported
Features	Group, Scenes
Bluetooth Distance	> 49ft in open area
Additional Feature	Home Management / Third party control -> Alexa, Google Assistant (by others)

RGBW-MZ | Wireless RF Remote Control 4-Zone



RGBW-MZ (RF remote control)

Dimensions	W 2" x D 0.825" x H 4.725"
Weight	0.1lbs
Signal Type	RF (Radio Frequency) 2.4GHz
Range	98ft from fixture open air
Zone / Mode	4 zones / 9 modes
Working Temp.	-4°F to 131°F (-20°C to 55°C)
* Battery	2 x AAA battery

* Not included

RGBW-DMX | 4-Zone DMX512 Touch Panel



RGBW-DMXAC

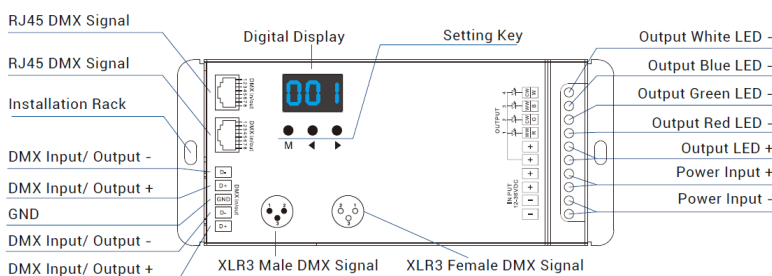
Zone	4 zone
Signal	DMX512 protocol
Input Voltage	100-240VAC
Dimensions	L 3.4" x H 3.4" x D 1.45"
Features	10 built-in mode, scene
Operating Temp.	-22°F ~ 131°F (-30°C ~ 55°C)



RGBW-DMX5V



Zone	4 zone
Signal	DMX512 protocol
Dimensions	L 7" x H 1.3" x D 1.9"
Features	12 built-in mode, scene
Operating Temp.	-22°F ~ 131°F (-30°C ~ 55°C)

RGBW-DMX | 4-Channel DMX512 Decoder



Dimensions	L 6.5" x W 2.7" x D 1.5"
Output Current	8A / 4 channels
Input Voltage	12-36V DC
Output Power	768W (24V)
Frequency	PWM output

CONTROLS

Smart Sensors	Protocol	Compatible Networks	Occupancy	Daylight	Temperature Reporting	Communication to Luminaire
	Lutron Clear Connect	Lutron Vive System Network	Enabled	Enabled	No	Wireless
	eliteBlue	EliteControl SmartBridge	Enabled	Enabled	No	Wireless

LUTRON

Controls Installed on the Fixture



VDO
Individual
Fixture Control

Shipped LUTRON VIVE Enabled with VDO Vive Integral Fixture Control (with Sensing).



FCJSE
Individual
Fixture Control

Shipped LUTRON VIVE Enabled FCJSE Control Module Control Module Installed on the Fixture.



RMJS8TEM
Individual
Fixture Control

Shipped LUTRON VIVE Enabled RMJS8TEM Control Module Control Module Installed on the Fixture.



VRF
Individual
Fixture Control

Shipped LUTRON VIVE Enabled with VRF Vive Integral Fixture Control (RF Only) Install on the Fixture.



FCJS0EM
Individual
Fixture Control

Shipped LUTRON VIVE Enabled FCJS0 Control Module Installed on the Fixture.



RMJS8T
Individual
Fixture Control

Shipped LUTRON VIVE Enabled RMJS8T Control Module Installed on the Fixture.



FCJS0
Individual
Fixture Control

Shipped LUTRON VIVE Enabled FCJS0 Control Module Installed on the Fixture.



FCJSEEM
Individual
Fixture Control

Shipped LUTRON VIVE Enabled FCJSEEM Control Module Control Module Installed on the Fixture.



RMJSECO32
Individual
Fixture Control

Shipped LUTRON VIVE Enabled RMJSECO32 Control Module Control Module Installed on the Fixture.

EliteControl FULHAM

Controls Installed on the Fixture

ELIOP-SR

Short Range, Bluetooth compatible occupancy and Daylight Harvesting Sensor.



ELIOP-LR

Long range, Bluetooth compatible occupancy and Daylight Harvesting Sensor.



Controls Provided by Fulham



SR-W - Bluetooth Single
Rocker Pad



SR-D - Bluetooth Double
Rocker Pad

PHOTOMETRICS (FOR STATIC COLOR)

Direct

12100-40-D4-S-4
Illuminance at a Distance

	Center Beam FC	Beam Width
1.7FT	551 FC	3.9 FT 3.1 FT
3.3FT	146 FC	7.6 FT 6.1 FT
5.0FT	63.7 FC	11.6 FT 9.2 FT
6.7FT	35.5 FC	15.5 FT 12.3 FT
8.3FT	23.1 FC	19.2 FT 15.2 FT
10.0FT	15.9 FC	23.2 FT 18.4 FT

■ Vert. Spread: 98.4°
■ Horiz. Spread: 85.1°

12100-40-D13-S-4
Illuminance at a Distance

	Center Beam FC	Beam Width
1.7FT	985 FC	3.9 FT 3.1 FT
3.3FT	261 FC	7.6 FT 6.1 FT
5.0FT	114 FC	11.6 FT 9.2 FT
6.7FT	63.4 FC	15.5 FT 12.3 FT
8.3FT	41.3 FC	19.2 FT 15.2 FT
10.0FT	28.5 FC	23.2 FT 18.4 FT

■ Vert. Spread: 98.4°
■ Horiz. Spread: 85.1°

12100-40-D4-S-8
Illuminance at a Distance

	Center Beam FC	Beam Width
1.7FT	1,102 FC	3.9 FT 3.1 FT
3.3FT	292 FC	7.6 FT 6.1 FT
5.0FT	127 FC	11.6 FT 9.2 FT
6.7FT	70.9 FC	15.5 FT 12.3 FT
8.3FT	46.2 FC	19.2 FT 15.2 FT
10.0FT	31.8 FC	23.2 FT 18.4 FT

■ Vert. Spread: 98.4°
■ Horiz. Spread: 85.1°

12100-40-D13-S-8
Illuminance at a Distance

	Center Beam FC	Beam Width
1.7FT	1,970 FC	3.9 FT 3.1 FT
3.3FT	523 FC	7.6 FT 6.1 FT
5.0FT	228 FC	11.6 FT 9.2 FT
6.7FT	127 FC	15.5 FT 12.3 FT
8.3FT	82.7 FC	19.2 FT 15.2 FT
10.0FT	56.9 FC	23.2 FT 18.4 FT

■ Vert. Spread: 98.4°
■ Horiz. Spread: 85.1°

Direct/Indirect

12100-40-D4-I4-S-4
Illuminance at a Distance

	Center Beam FC	Beam Width
1.7FT	467 FC	3.9 FT 3.3 FT
3.3FT	124 FC	7.6 FT 6.5 FT
5.0FT	54 FC	11.5 FT 9.8 FT
6.7FT	30.1 FC	15.5 FT 13.2 FT
8.3FT	19.6 FC	19.1 FT 16.3 FT
10.0FT	13.5 FC	23.1 FT 19.7 FT

■ Vert. Spread: 98.1°
■ Horiz. Spread: 89.0°

12100-40-D13-I4-S-4
Illuminance at a Distance

	Center Beam FC	Beam Width
1.7FT	976 FC	3.8 FT 3.1 FT
3.3FT	259 FC	7.4 FT 5.9 FT
5.0FT	113 FC	11.3 FT 9.0 FT
6.7FT	62.8 FC	15.1 FT 12.1 FT
8.3FT	40.9 FC	18.7 FT 14.9 FT
10.0FT	28.2 FC	22.6 FT 18.0 FT

■ Vert. Spread: 96.9°
■ Horiz. Spread: 83.9°

12100-40-D9-I6-S-8
Illuminance at a Distance

	Center Beam FC	Beam Width
1.7FT	1446 FC	4 FT 3.1 FT
3.3FT	384 FC	7.8 FT 6.0 FT
5.0FT	167 FC	11.7 FT 9.1 FT
6.7FT	93.1 FC	15.7 FT 12.2 FT
8.3FT	60.6 FC	19.5 FT 15.2 FT
10.0FT	41.8 FC	23.5 FT 18.3 FT

■ Vert. Spread: 98.1°
■ Horiz. Spread: 89.0°

COLOR TEMPERATURE GUIDE

2700K	3000K	3500K	4000K	5000K
WARM WHITE	SOFT WHITE GLOW	NEUTRAL GLOW	COOL WHITE GLOW	DAYLIGHT GLOW
friendly personal intimate	soft warm pleasing	sociable inviting non-threatening	neat clean efficient	bright cool alert
HOMES LIBRARIES RESTAURANTS	HOMES HOTEL ROOMS LOBBIES RETAIL STORES	EXECUTIVE OFFICES RECEPTION AREAS SUPERMARKETS	OFFICES CLASSROOMS MASS MERCHANTISERS SHOWROOMS	GRAPHICS INDUSTRY HOSPITALS GALLERIES BEAUTY SALONS

Alcon Lighting 12100-40 Architectural LED Linear Direct/Indirect Light Fixture

