Forward Family utility lighting

AV integration – Because two hands are better than one.

Forward Utility Lighting illuminates the full height of the enclosure with bright white light at an optimal angle for unmatched visibility.

- Drop into Lever Lock[™] compatible rackrail brackets on a BGR Family enclosure for quick tool-free installation
- Includes (2) full height bright white lights
- Unmatched visibility with lighting fixed at an optimal 45° angle facing into the enclosure
- Includes IR sensor for automatic on/off with the door
- Includes dimmer allowing you to set the light brightness to • your preference
- Includes UP1 panel to mount IR/Dimming module on the rackrail
- Mount anywhere from front to rear
- Includes all hardware for mounting in any other Middle Atlantic enclosure





eatures

Forward Family Utility Lighting shall be Middle Atlantic Products model # FWD-LT-UTL-__-D (refer to chart). FWD-LT-UTL shall have an overall height of __ (refer to chart.) FWD-LT-UTL shall have a light temperature of 4,000K, and provide __Im (refer to chart). FWD-LT-UTL shall have a 1 rackspace IR/dimming module that allows for brightness setting and automatic on/off when door is opened. FWD-LT-UTL shall include 2 lights that mount to the rack side and are angled 45°. FWD-LT-UTL shall have a 110V UL Listed power supply with an output of 24VDC, 2 Amps. FWD-LT-UTL shall have an input voltage range of 100VAC to 240VAC, an input frequency range of 50/60Hz, and a max AC current draw of 1.6A AC. FWD-LT-UTL shall be warrantied to be free from defects in materials and workmanship under normal use and conditions for a period of 3 years. FWD-LT-UTL shall be UL Listed and CE Marked.

Customizable specification clips available at middleatlantic.com







WHAT GREAT SYSTEMS ARE BUILT ON™ | LEGRANDAV.COM

USA **P** 800.266.7225 **CANADA P** 888.766.9770

E av.middleatlantic.support@legrand.com E av.middleatlantic.support@legrand.com

©2019 Middle Atlantic Products, Inc. All rights reserved. All other brand names or marks are used for identification purposes and are trademarks of their respective owners. All patents are protected under existing designations. Other patents pending.



COMMERCIAL BRANDS C2G | Chief | Da-Lite | Luxul | Middle Atlantic | Vaddio | Wiremold

Forward Family utility lighting

DESCRIPTION	FWD-LT-UTL-16-21-D	FWD-LT-UTL-24-27-D	FWD-LT-UTL-35-40-D & FWD-LT-UTL-41-42-D	FWD-LT-UTL-44-45-D	
Input Driver Voltage (V)	24V		24V		
Input Driver Current (A)	1.5A		1.5A		
Power-Watts	6W	9W	12W	15W	
LED Light Bar Sections	2pcs/set		2pcs/set		
Lumens	2x570LM	2x855LM	2x1110LM	2x1425LM	
CCT Rating	4000K		4000K		
CRI Rating	80		80		
LED Count/Type	154pcs/2835	224pcs/2835	350pcs/2835	420pcs/2835	
IR Type	IR+touch(dimmable)		IR+touch(dimmable)		
Input Connection	T-Type connect cable (18x32x4)				
Dimensions (LxWxD)	711(28") 24x10mm	1067(42") 24x10mm	1550(61") 24x10mm	1854(73") 24x10mm	

Input Voltage Variation Range/Frequency 90-264VAC 47/63Hz Input Current (A) 1.6A Input Inrush Current (A) 50A Max. Cold start at 240Vac input with rated load and 25oC ambient Output Voltage (Vdc) 24Vdc Output Minimum Current (A) 0A Output Movine (W) 48W Output Power (W) 48W Output Combined Maximum Load (A) 0A Output Combined Maximum Load (A) 0A Output Banck Power (W) 2.28V-25.2V Output Standby Power (W) 0.1W Max Output Standby Power (M) 0.1W Max Output Tombined Maximum Load (A) 2A Output Doutput Standby Power (M) 0.1W Max Output Tombined Maximum Load (A) 0.4 Output Standby Power (M) 0.1W Max Output Standby Power (M) 0.1W Max Output Standby Power (M) 0.1W Max Output Standby Power (M) 10Vac/87.4% at 20Vac Short Circent Protection	Input Voltage Rated Range/Frequency	100-240VAC 50/60Hz						
Input Inrush Current (A) 50A Max. Cold start at 240Vac input with rated load and 25oC ambient Output Voltage (Vdc) 24Vdc Output Minimum Current (A) 0A Output Maximum Current (A) 2A Output Power (W) 48W Output Combined Minimum Load (A) 0A Output Combined Maximum Load (A) 0A Output Combined Maximum Load (A) 0A Output Load Regulation (V) 22.8V-25.2V Output Standby Power (W) 0.11M Max Output Ripple 240mVp-p Output Noise 480mVp-p Efficiency 87.4% at 100Vac/87.4% at 240Vac Short Circuit Protection The power supply will auto recover when short circuit faults are removed. Over Current Protection The power supply will auto recover when over current faults are removed. Operating Temperature 0oC ~ 40oC Certifications UL, FCC, E, GS Dimensions (LxWxH) 123x55x35mm DC Cable Plug Polarity Inner-positive/outer-negative DC Cable Plug Polarity Inner-positive/outer-negative DC Cable Plug Polarity Inner-positive/outer-negative Surge Rating 1KV	Input Voltage Variation Range/Frequency	90-264VAC 47/63Hz						
Output Voltage (Vdc) 24Vdc Output Minimum Current (A) 0A Output Rower (W) 2A Output Combined Minimum Load (A) 0A Output Combined Minimum Load (A) 0A Output Load Regulation (V) 22.8V-25.2V Output Standby Power (W) 0.1W Max Output Standby Power (W) 0.1W Max Output Noise 0.1W Max Output Noise 0.1W Max Output Power (W) 240mVp-p Output Noise 0.1W Max Output Power (W) 240mVp-p Output Rise 0.1W Max Output Rise 0.40mVp-p Output Noise 87.4% at 100Vac/87.4% at 240Vac Short Circuit Protection The power supply will auto recover when short circuit faults are removed. Over Current Protection The power supply will auto recover when over current faults are removed. Operating Temperature 0C C. 40oC Certifications UL, FCC, CE, GS Dimensions (LWMH) 123x55x35mm DC Cable Length 1.83mm DC Cable Plug Polarity Inner-positive/outer-negative <td>Input Current (A)</td> <td colspan="2">1.6A</td>	Input Current (A)	1.6A						
Output Minimum Current (A) 0A Output Maximum Current (A) 2A Output Power (W) 48W Output Combined Minimum Load (A) 0A Output Combined Minimum Load (A) 2A Output Combined Minimum Load (A) 0A Output Combined Maximum Load (A) 2A Output Combined Maximum Load (A) 2A Output Standby Power (W) 0.1W Max Output Noise 480m/Vp-p Output Noise 87.4% at 240Vac Efficiency 87.4% at 100Vac/87.4% at 240Vac Short Circuit Protection The power supply will auto recover when short circuit faults are removed. Over Current Protection The power supply will auto recover when over current faults are removed. Operating Temperature 0.0C - 40.0C Certifications UL, FCC, CE, GS Dimensions (LxWxH) 123x55x35mm DC Cable Gauge/W-1 Rating 20AWG/300V Inner-positive/outer-negative Inner-positive/outer-negative DC Cable Plug Polarity Inner-positive/outer-negative Surge Rating 1KV	Input Inrush Current (A)	50A Max. Cold start at 240Vac input with rated load and 25oC ambient						
Output Maximum Current (A) 2A Output Power (W) 48W Output Combined Minimum Load (A) 0A Output Combined Maximum Load (A) 2A Output Load Regulation (V) 22.8V-25.2V Output Standby Power (W) 0.1W Max Output Noise 480mVp-p Output Noise 480mVp-p Output Noise 87.4% at 240Vac Short Circuit Protection The power supply will auto recover when short circuit faults are removed. Operating Temperature 0oc 40oC Certifications UL, FCC, CE, GS Dimensions (LxWxH) 123x55x35mm DC Cable Length 1.83mm DC Cable Plug Polarity Centifications Unrer-positive/outer-negative 00400 DC Cable Plug Polarity LIGHT BAR CERTIFICATIONS	Output Voltage (Vdc)	24Vdc						
Output Power (W) 48W Output Combined Minimum Load (A) 0A Output Combined Maximum Load (A) 2A Output Load Regulation (V) 22.8V-25.2V Output Standby Power (W) 0.1W Max Output Ripple 240mVp-p Output Noise 480mVp-p Efficiency 87.4% at 100Vac/87.4% at 240Vac Short Circuit Protection The power supply will auto recover when short circuit faults are removed. Over Current Protection The power supply will auto recover when over current faults are removed. Operating Temperature 00C - 400C Certifications UL, FCC, CE, GS Dimensions (LxWxH) 123x55x35mm DC Cable Length 1.83mm DC Cable Gauge/W-1 Rating 20AWG/300V Inner-positive/outer-negative OC DC Cable Plug Polarity Inner-positive/outer-negative DC Cable Plug Polarity INNE LIGHT BAR CERTIFICATIONS 1KV	Output Minimum Current (A)	0A						
Output Combined Minimum Load (A) 0A Output Combined Maximum Load (A) 2A Output Load Regulation (V) 22.8V-25.2V Output Standby Power (W) 0.1W Max Output Ripple 240mVp-p Output Noise 480mVp-p Efficiency 87.4% at 100Vac/87.4% at 240Vac Short Circuit Protection The power supply will auto recover when short circuit faults are removed. Over Current Protection The power supply will auto recover when over current faults are removed. Operating Temperature 0oC ~ 40oC Certifications UL, FCC, CE, GS Dimensions (LxWxH) 123x55x35mm DC Cable Length 1.83mm DC Cable Gauge/WV-1 Rating 20AWG/300V Inner-positive/outer-negative Output Cable Volument and the comparison of the power supply will auto recover and the comparison of the power supply and the comparison of the power supply will auto recover when over current faults are removed. Operating Temperature 0oc ~ 40oC Certifications UL, FCC, CE, GS Dimensions (LxWxH) 123x55x35mm DC Cable Length 1.83mm DC Cable Plug Polarity Inner-positive/outer-negative Surge Rating 1KV	Output Maximum Current (A)	2A						
Output Combined Maximum Load (A) 2A Output Load Regulation (V) 22.8V-25.2V Output Standby Power (W) 0.1W Max Output Standby Power (W) 0.1W Max Output Noise 240mVp-p Output Noise 87.4% at 100Vac/87.4% at 240Vac Short Circuit Protection The power supply will auto recover when short circuit faults are removed. Over Current Protection The power supply will auto recover when over current faults are removed. Operating Temperature 00C ~ 400C Octable Cable Length 123x55x35mm DC Cable Length 1.83mm DC Cable Gauge/WV-1 Rating 20AWG/300V Inner-positive/outer-negative Coded Cable Plug Polarity DC Cable Plug Polarity Inner-positive/outer-negative Surge Rating 1KV	Output Power (W)	48W						
Output Load Regulation (V) 22.8V-25.2V Output Standby Power (W) 0.1W Max Output Ripple 240mVp-p Output Noise 480mVp-p Efficiency 87.4% at 100Vac/87.4% at 240Vac Short Circuit Protection The power supply will auto recover when short circuit faults are removed. Over Current Protection The power supply will auto recover when over current faults are removed. Operating Temperature 0oC ~ 400C Certifications UL, FCC, CE, GS Dimensions (LxWxH) 123x55x35mm DC Cable Length 1.83mm DC Cable Gauge/VW-1 Rating 204WG/300V Inner-positive/outer-negative 0 DC Cable Plug Polarity Inner-positive/outer-negative Surge Rating 1KV	Output Combined Minimum Load (A)	OA						
Output Standby Power (W) 0.1W Max Output Ripple 240mVp-p Output Noise 480mVp-p Efficiency 87.4% at 100Vac/87.4% at 240Vac Short Circuit Protection The power supply will auto recover when short circuit faults are removed. Over Current Protection The power supply will auto recover when over current faults are removed. Operating Temperature 0oC ~ 40oC Certifications UL, FCC, CE, GS Dimensions (LXWXH) 123x55x35mm DC Cable Length 1.83mm DC Cable Gauge/VW-1 Rating 20AWG/300V Inner-positive/outer-negative Output-negative DC Cable Plug Polarity Inner-positive/outer-negative Surge Rating 1KV	Output Combined Maximum Load (A)	2A						
Output Ripple 240mVp-p Output Noise 480mVp-p Efficiency 87.4% at 100Vac/87.4% at 240Vac Short Circuit Protection The power supply will auto recover when short circuit faults are removed. Over Current Protection The power supply will auto recover when over current faults are removed. Operating Temperature 00C ~ 400C Certifications UL, FCC, CE, GS Dimensions (LxWxH) 123x55x35mm DC Cable Length 1.83mm DC Cable Gauge/VW-1 Rating 20AWG/300V Inner-positive/outer-negative Outer-outer-outer-outer DC Cable Plug Polarity Inner-positive/outer-negative Surge Rating 1KV	Output Load Regulation (V)	22.8V-25.2V						
Output Noise 480mVp-p Efficiency 87.4% at 100Vac/87.4% at 240Vac Short Circuit Protection The power supply will auto recover when short circuit faults are removed. Over Current Protection The power supply will auto recover when over current faults are removed. Operating Temperature 0oC ~ 40oC Certifications UL, FCC, CE, GS Dimensions (LXWXH) 123x55x35mm DC Cable Length 1.83mm DC Cable Gauge/WW-1 Rating 20AWG/300V DC Cable Plug Polarity Inner-positive/outer-negative Surge Rating 1KV	Output Standby Power (W)	0.1W Max						
Efficiency 87.4% at 100Vac/87.4% at 240Vac Short Circuit Protection The power supply will auto recover when short circuit faults are removed. Over Current Protection The power supply will auto recover when short circuit faults are removed. Operating Temperature 00C ~ 40oC Certifications UL, FCC, CE, GS Dimensions (LxWxH) 123x55x35mm DC Cable Length 1.83mm DC Cable Gauge/WH-1 Rating 20AWG/300V DC Cable Plug Polarity Inner-positive/outer-negative OC Cable Plug Polarity Inner-positive/outer-negative Surge Rating 1KV	Output Ripple	240mVp-p						
Short Circuit Protection The power supply will auto recover when short circuit faults are removed. Over Current Protection The power supply will auto recover when over current faults are removed. Operating Temperature 0oC ~ 40oC Certifications UL, FCC, CE, GS Dimensions (LxWxH) 123x55x35mm DC Cable Length 1.83mm DC Cable Gauge/WH-1 Rating 20AWG/300V DC Cable Plug Polarity Inner-positive/outer-negative OC Cable Plug Polarity Inner-positive/outer-negative Surge Rating 1KV	Output Noise	480mVp-p						
Over Current Protection The power supply will auto recover when over current faults are removed. Operating Temperature 0oC ~ 40oC Certifications UL, FCC, CE, GS Dimensions (LxWxH) 123x55x35mm DC Cable Length 1.83mm DC Cable Gauge/WW-1 Rating 20AWG/300V DC Cable Plug Polarity Inner-positive/outer-negative Catifications Inner-positive/outer-negative LIGHT BAR CERTIFICATIONS 1KV	Efficiency	87.4% at 100Vac/87.4% at 240Vac						
Operating Temperature OC ~ 40oC Certifications UL, FCC, CE, GS Dimensions (LxWxH) 123x55x35mm DC Cable Length 1.83mm DC Cable Gauge/VW-1 Rating 20AWG/300V DC Cable Plug Polarity Inner-positive/outer-negative DC Cable Plug Polarity Inner-positive/outer-negative Surge Rating 1KV	Short Circuit Protection	The power supply will auto recover when short circuit faults are removed.						
Certifications UL, FCC, CE, GS Dimensions (LXWXH) 123x55x35mm DC Cable Length 1.83mm DC Cable Gauge/VW-1 Rating 20AWG/300V DC Cable Plug Polarity Inner-positive/outer-negative DC Cable Plug Polarity Inner-positive/outer-negative Surge Rating 1KV	Over Current Protection	The power supply will auto recover when over current faults are removed.						
Dimensions (LxWxH) 123x55x35mm DC Cable Length 1.83mm DC Cable Gauge/VW-1 Rating 20AWG/300V DC Cable Plug Polarity Inner-positive/outer-negative DC Cable Plug Polarity Inner-positive/outer-negative Surge Rating 1KV	Operating Temperature	00C ~ 400C						
DC Cable Length 1.83mm DC Cable Gauge/VW-1 Rating 20AWG/300V DC Cable Plug Polarity Inner-positive/outer-negative DC Cable Plug Polarity Inner-positive/outer-negative Surge Rating 1KV	Certifications	UL, FCC, CE, GS						
DC Cable Gauge/VW-1 Rating 20AWG/300V DC Cable Plug Polarity Inner-positive/outer-negative Surge Rating 1KV	Dimensions (LxWxH)	123x55x35mm						
Inner-positive/outer-negative DC Cable Plug Polarity Surge Rating 1KV	DC Cable Length	1.83mm						
DC Cable Plug Polarity Surge Rating LIGHT BAR CERTIFICATIONS	DC Cable Gauge/VW-1 Rating	20AWG/300V						
Surge Rating 1KV		Inner-positive/outer-negative						
Surge Rating 1KV	DC Cable Plug Polarity	$\cap \cap \cap$						
LIGHT BAR CERTIFICATIONS								
LIGHT BAR CERTIFICATIONS	Surao Pating	11/1/						
	ourge nating	INV						
Certifications FCC Class B, RoHS,CE	LIGHT BAR CERTIFICATIONS							
	Certifications	FCC Class B, RoHS,CE						

WARRANTY Light Products 3 Years

For complete warranty information, refer to http://www.middleatlantic.com/company/about-us.aspx#warranty



WHAT GREAT SYSTEMS ARE BUILT ON™ | LEGRANDAV.COM

USA P 800.266.7225 CANADA P 888.766.9770

5 **E** av.middleatlantic.support@legrand.com

E av.middleatlantic.support@legrand.com

©2019 Middle Atlantic Products, Inc. All rights reserved. All other brand names or marks are used for identification purposes and are trademarks of their respective owners. All patents are protected under existing designations. Other patents pending.



COMMERCIAL BRANDS C2G | Chief | Da-Lite | Luxul | Middle Atlantic | Vaddio | Wiremold

120-00005 / rev - / 8-23-19

Forward Family utility lighting basic dimensions

NOTE(S): 1. ALL DIMENSIONS SHOWN IN FORMAT: INCHES [MILLIMETERS] 2. FWD-LT-UTL-16-21-D SHOWN 3. LIGHT TEMPERATURE - 4000K A CO OVERALL HEIGHT "A' 0 • LIGHT BAR LENGTH "B' • • 0..... B. RACKRAIL BRACKET SPACING "C" H \odot FRONT VIEW SIDE VIEW . ۲ - 1.01 [26] -DETAIL A SCALE 1/1 ۲ . BACK VIEW 0 0 LIGHT - LEFT SIDE OVERALL HEIGHT LIGHT BAR RACKRAIL BRACKET DRIVER SKU # LUMENS SECTION A-A REAR HALF OF BGR RACK "A" LENGTH "B' SPACING "C" OUTPUT -SEE DETAIL A LIGHT - RIGHT SIDE FWD-LT-UTL-44-45-D 77.0 [1956] 73.0 [1854] 21.0 [533] 2X 1425LM 24V, 1.5A SCALE 13/64 FWD-LT-UTL-41-42-D 65.0 [1651] 61.0 [1549] 17.5 [445] 2X 1110LM 24V, 1.5A FWD-LT-UTL-35-40-D 65.0 [1651] 61.0 [1549] 21.0 [533] 2X 1110LM 24V, 1.5A FWD-LT-UTL-24-27-D 21.0 [533] 46.0 [1168] 42.0 [1067] 2X 855LM 24V, 1.5A

2X 570LM

24V, 1.5A

17.5 [445]



WHAT GREAT SYSTEMS ARE BUILT ON™ | LEGRANDAV.COM

FWD-LT-UTL-16-21-D

USA P 800.266.7225 CANADA P 888.766.9770

E av.middleatlantic.support@legrand.com
 E av.middleatlantic.support@legrand.com

32.0 [813]

28.0 [711]

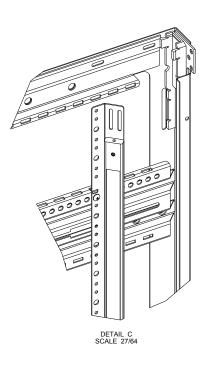
©2019 Middle Atlantic Products, Inc. All rights reserved. All other brand names or marks are used for identification purposes and are trademarks of their respective owners. All patents are protected under existing designations. Other patents pending.

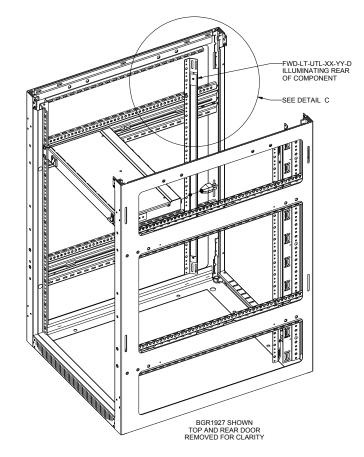


COMMERCIAL BRANDS C2G | Chief | Da-Lite | Luxul | Middle Atlantic | Vaddio | Wiremold



NOTE(S): 1. ALL DIMENSIONS SHOWN IN FORMAT: INCHES [MILLIMETERS] 2. FWD-LT-UTL-16-21-D SHOWN







WHAT GREAT SYSTEMS ARE BUILT ON™ | LEGRANDAV.COM

USA P 800.266.7225 CANADA P 888.766.9770 E av.middleatlantic.support@legrand.com E av.middleatlantic.support@legrand.com

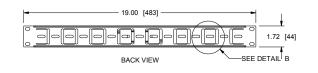
©2019 Middle Atlantic Products, Inc. All rights reserved. All other brand names or marks are used for identification purposes and are trademarks of their respective owners. All patents are protected under existing designations. Other patents pending.



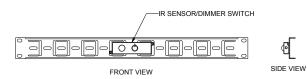
COMMERCIAL BRANDS C2G | Chief | Da-Lite | Luxul | Middle Atlantic | Vaddio | Wiremold

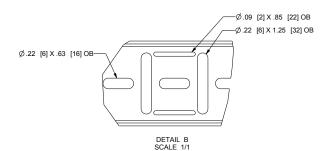
Forward Family utility lighting basic dimensions

NOTE(S): 1. ALL DIMENSIONS SHOWN IN FORMAT: INCHES [MILLIMETERS]









SKU #	FWD-L1-U1L-16-21-D	FWD-LI-UIL-24-27-D	FWD-LT-UTL-35-40-D	FWD-L1-U1L-41-42-D	FWD-L1-U1L-44-45-
			BGR		
BGR-19XX	Х				
BGR-25XX		Х			
BGR-38XX		Х	Х		
BGR-41XX	Х			Х	
BGR-45XX		Х			X
			DWR		
DWR-10-XX					
DWR-12-XX					
DWR-16-XX					
DWR-18-XX					
DWR-21-XX	Х				
DWR-24-XX	Х				
DWR-35-XX	Х	Х	Х		
			ERK		
ERK-18XX	Х				
ERK-21XX	Х				
ERK-27XX		Х			
ERK-35XX	Х	Х			
ERK-40XX	Х	Х	Х	Х	
ERK-44XX	Х	Х	Х	Х	X
			MRK		
MRK-24XX	Х				
MRK-37XX	Х	Х	Х		
MRK-40XX	Х	Х	Х	Х	
MRK-44XX	Х	Х	Х	Х	Х
			SNE		
SNE - 24 SP					
SNE - 42 SP		Х	Х	Х	
SNE - 45 SP		Х	Х	Х	X
			SR		
SR-24-XX	Х				
SR-40-XX	Х	Х	Х	Х	
SR-46-XX	Х	Х	Х	Х	Х
			VRK		
VRK-44-XXH	Х	Х	Х	Х	Х
			WRK		
WRK-24-XX		Х			
WRK-37-XX	Х	Х	Х		
WRK-40-XX	х	Х	х		
WRK-44-XX	X	X	X		x

FITMENT MATRIX



WHAT GREAT SYSTEMS ARE BUILT ON™ | LEGRANDAV.COM

 USA
 P 800.266.7225

 CANADA
 P 888.766.9770

E av.middleatlantic.support@legrand.com **E** av.middleatlantic.support@legrand.com

©2019 Middle Atlantic Products, Inc. All rights reserved. All other brand names or marks are used for identification purposes and are trademarks of their respective owners. All patents are protected under existing designations. Other patents pending.

