

INDOOR IP68 & IK10 RATED

TRIDENT Recessed

RECESSED LINEAR PROFILE

SENO
by luminii



Trident Indoor - Recessed IP68 & IK10 Rated Linear Profile. The Trident Indoor Recessed is designed for applications requiring sturdy, seamless in-floor or IP68 & IK10 rated lighting. Our LED encapsulation process ensures a long lasting, vandal resistant seal with hard resin. Configuration and layout possibilities are endless making it highly versatile and easy to install.

Ordering Code

Fixture	455	406						
	1	2	3	4	5	6	7	8

Product Specifications

SAMPLE : Fixture 455 - 406 - FH - LO - 27 - 02 - E36 - 6'

1 - Type	2 - Model	3 - Resin	4 - LED Style*1	5 - CCT	6 - Finish	7 - Feed Length	8 - Fixture Length*1
455 · IP68 & IK10 Rated Profile	406 · Trident Recessed Indoor	FS · Frosted Soft CS · Clear Soft FH · Frosted Hard CH · Clear Hard	Static White LO · LLHE48LO Low Output SO · LLHE48SO Standard Output MO · LLHE48MO Medium Output HO · LLHE48HO High Output	Dynamic Color*2 DWSO · LLDW68SO Dynamic White Standard Output DWHO · LLDW68HO Dynamic White High Output RGBSO · LLRGB42SO Color changing Standard Output RGBHO · LLRGB42HO Color changing High Output RGBWSO · LL-RGBW36-SO Color changing Standard Output RGBWHO · LL-RGBW36-HO Color changing High Output			
Static White	Dynamic Color*2						
25 · 2500K	1935 · 1900K - 3500K*4						
27 · 2700K	98 · RGB Color changing						
30 · 3000K	99 · RGB+W Color changing						
35 · 3500K							
40 · 4000K							

*1 Refer to page 2 for LED cut length intervals and available CCT

*2 DMX driver required

*3 Only Trident extrusion and mounting blocks finished in anodized black

*4 Please ask about different CCT ranges

Project : _____

Quantity : _____

Type : _____

Notes : _____

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LED Technical Information

	STYLE	WATT/FT	DELIVERED LM/FT CLEAR	DELIVERED LM/FT FROSTED	CRI	MAX. LENGTH	Color TEMPERATURE
Static White	LLHE48LO-1W	1.0	80	51	92	60'	
	LLHE48LO	1.9	160	102	92	48'	
	LLHE48SO	2.8	228	146	92	42'	2200K, 2500K, 2700K, 3000K, 3500K, 4000K
	LLHE48MO	3.5	304	195	92	33'	
	LLHE48HO	7.3	488	313	90	21'	
Dynamic Color	LLDW68SO-1935	4.1	251	186	95	32'	
	LLDW68HO-1935	5.2	273	202	96	32'	1900K - 3500K
	LLRGB42SO	4.4	149	81	---	28'	
	LLRGB42HO	7.7	231	126	---	28'	Red/Green/Blue
	LLRGBW36SO	4.1	127	94	97	26'	
	LLRGBW36HO	7.6	281	153	97	26'	Red/Green/Blue White LED 97 CRI / 3000K

* Lumen output calculations based on 3500K.
For LED strip information, See the page for:
LLHE48 [HERE](#).
LLDW68 [HERE](#).
LLRGB42 [HERE](#).
LLRGBW36 [HERE](#)

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Resin & Profile Features

Top Layer

The top resin layer of the Trident acts as the lens and first line of defense for the LED.

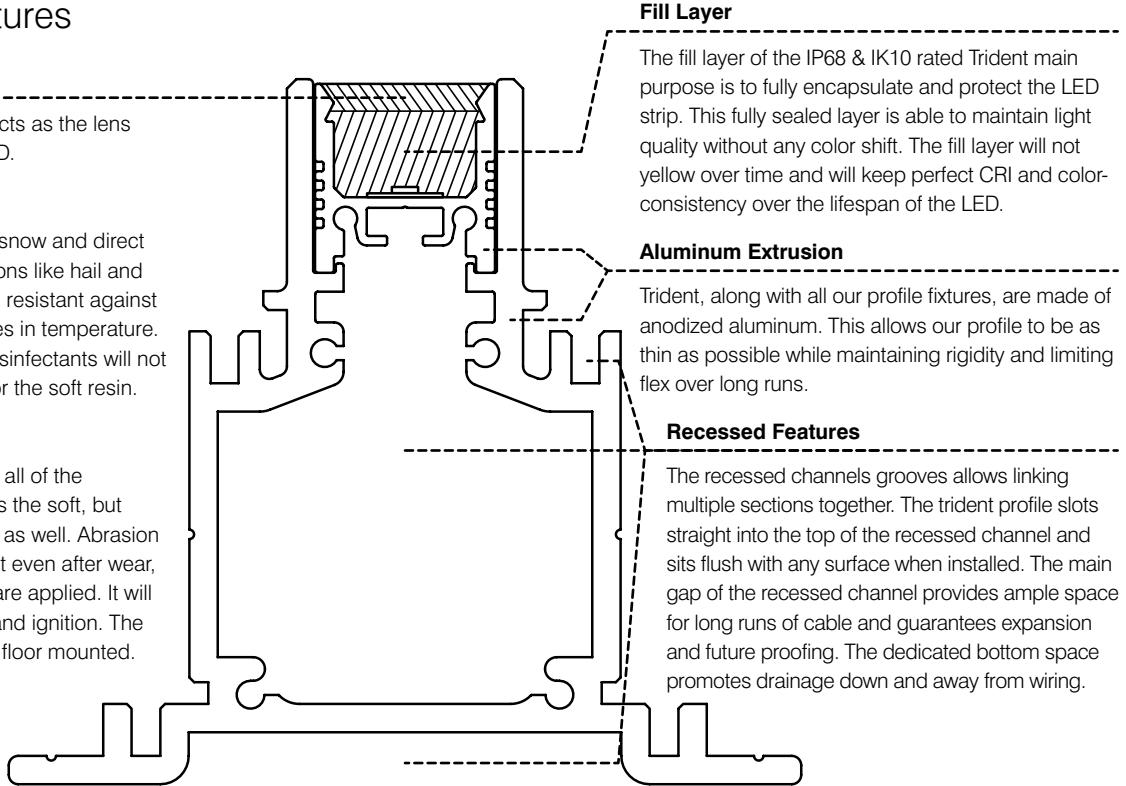
Soft cured resin:

Outdoor resistant against rain, snow and direct sunlight as well as intense conditions like hail and acid rain. The resin is also thermal resistant against thermal cycles and drastic changes in temperature.

Chemicals like detergents or disinfectants will not deteriorate, disintegrate or discolor the soft resin.

Hard cured resin:

The hard cured resin maintains all of the same outdoor resistant features as the soft, but acquires extra physical resistance as well. Abrasion resistance will keep the resin intact even after wear, impact or high levels of pressure are applied. It will prevent vandalism and resist fire and ignition. The hard resin allows any profile to be floor mounted.



Top Layer Finish

Frosted Resin



The frosted resin top layer is available in both hard and soft options. It offers a soft diffused light with no dots.

Clear Resin



The clear resin top layer is the best option for maximum light efficiency. Low light loss allows you to get the most out of each LED.

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Construction

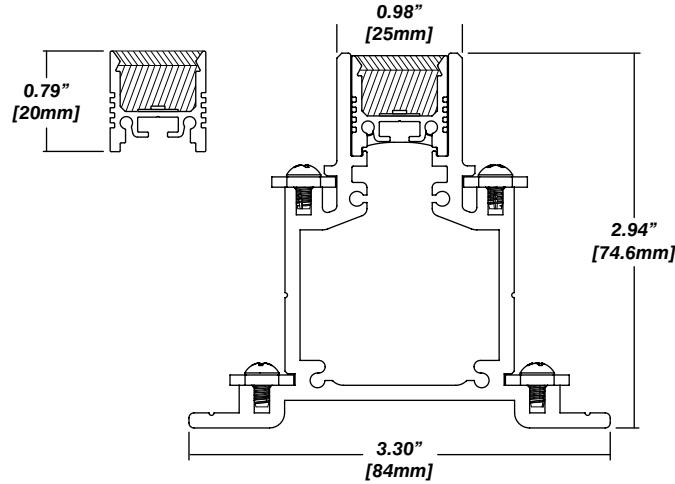
- High quality poured resin lens
- Hard, clear and frosted resin options
- Aluminum extruded profile and recessed channel

Installation

- Electrical wire included
- Recessed channel connects to L-bracket and end caps with seamless corners and straight runs
- Includes plastic spacer for laying floor material

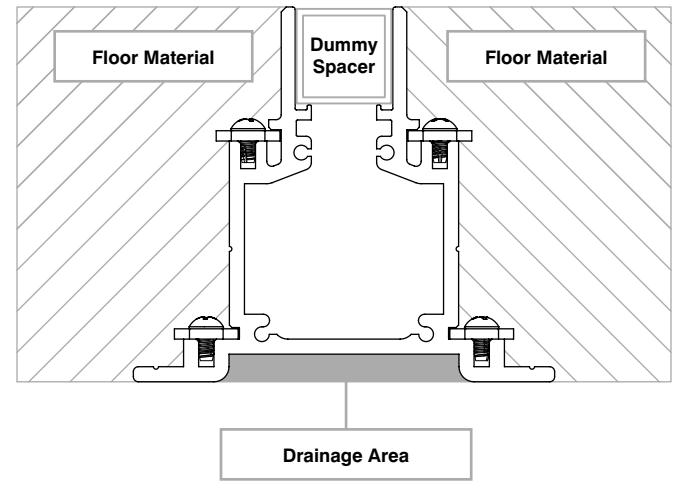
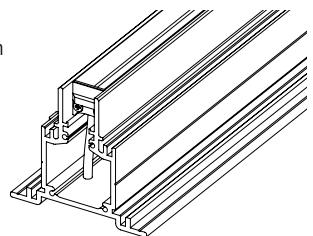
Dimensions

Recessed Channel with Trident

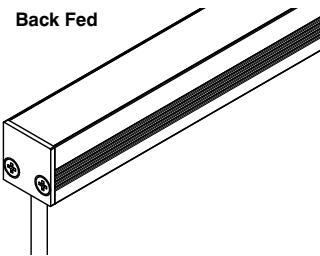


Recessed Channel

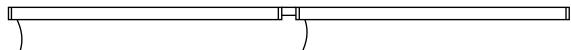
- Solid aluminum extruded construction
- Trident drops straight in to channel
- Allows Trident to be recessed into many different materials



Feed Points & Joining Sections



- Multiple profile with separate back feed

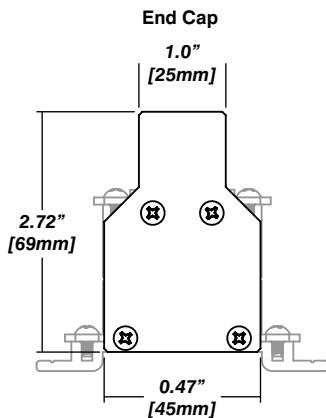


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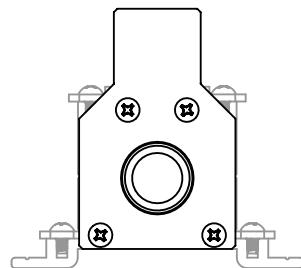
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End Cap

- Holds Trident in place at each end of the channel
- End cap may have hole drilled out to be end fed



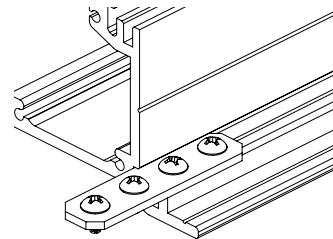
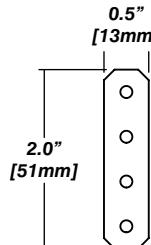
End Cap with end feed
To be drilled by installer on site



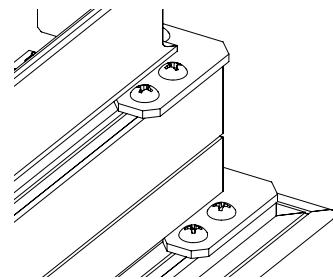
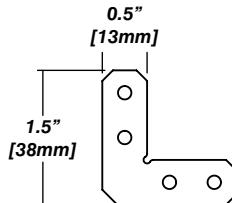
Channel Brackets

- Securely connects 2 channel sections together
- Held in place by 2 screws per channel section
- 4 brackets required per join (2 per side)

Straight Adapter



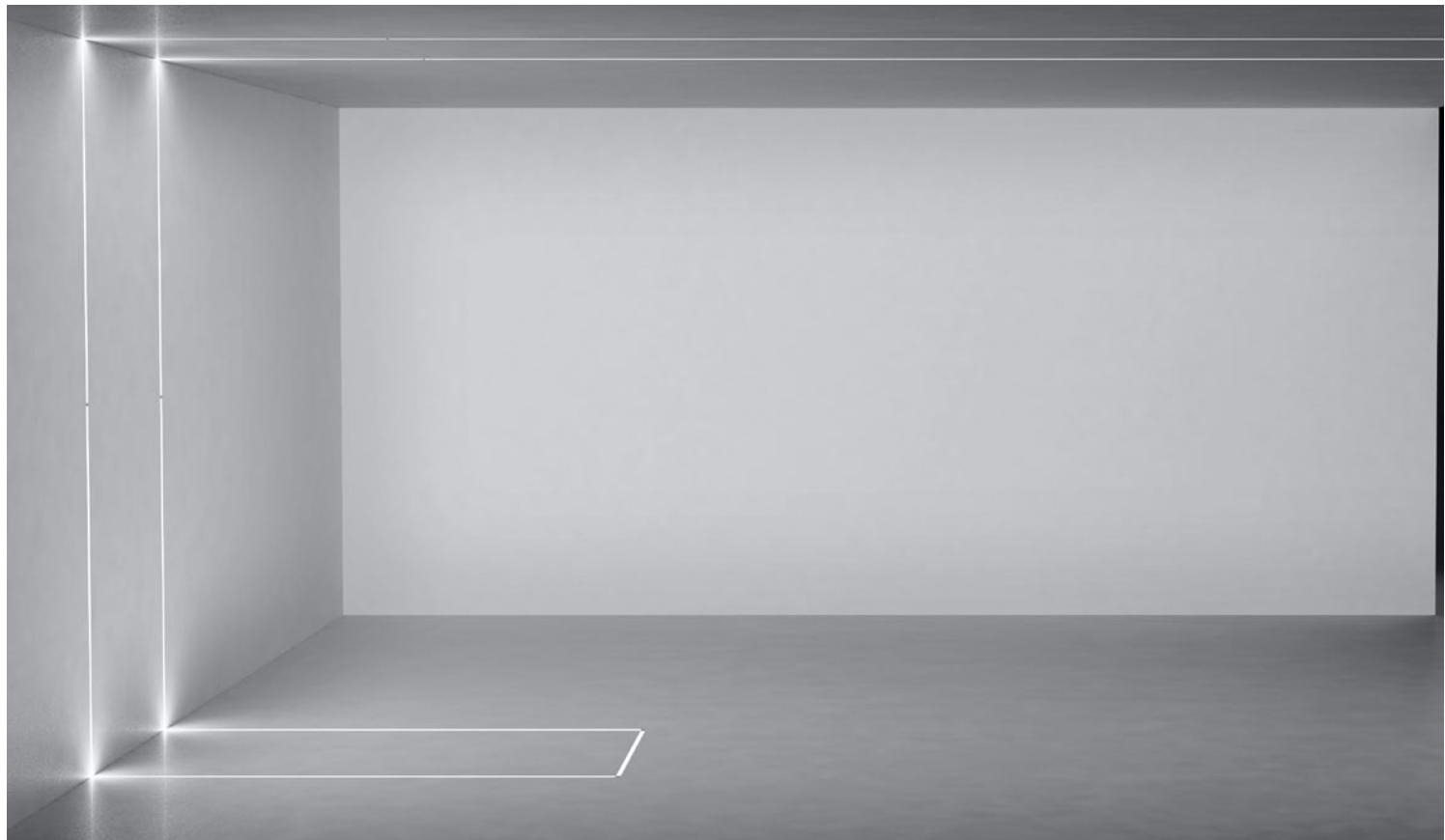
Corner Adapter



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Recessed System (Indoor Shown)

Recessed lighting promotes the best integration of lighting and architecture. Creativity is the only limitation because Trident recessed can flow seamlessly through a space linking surfaces in a solid beam.

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Universal Power Supply 1% 120VAC - 277VAC

Universal Power Supply 1% 120VAC - 277VAC

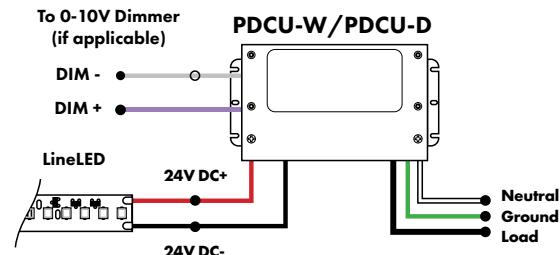
MODEL	POWER	OUTPUT
PDCU-D - IP20 Dry Series	30 - 30 W 60 - 60 W 96 - 96 W	24 - 24 VDC
PDCU-W - IP66 Wet Series	96 - 96 W	

0-10V dims down to 1%, MLV/ELV/TRIAC dims down to 1%.

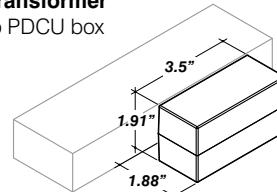
Contact Senso to specify 347V transformer.

For a complete details on the Universal Power Supply, see Spec Sheet, Compatible Dimming and Install Guide on the [Resources page](#).

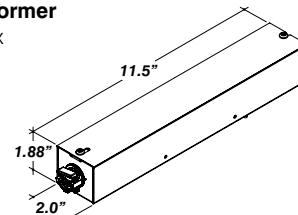
MODELS	PDCU-W 96W	PDCU-D 30W	PDCU-D 60W	PDCU-D 96W
Length	8.66"	6.10"	7.93"	8.25"
Width	3.73"	3.35"	3.35"	4.10"
Depth	1.61"	1.33	1.32"	1.56"



30W/60W 347V Transformer
attaches directly to PDCU box



96W 347V Transformer
wired to PDCU box



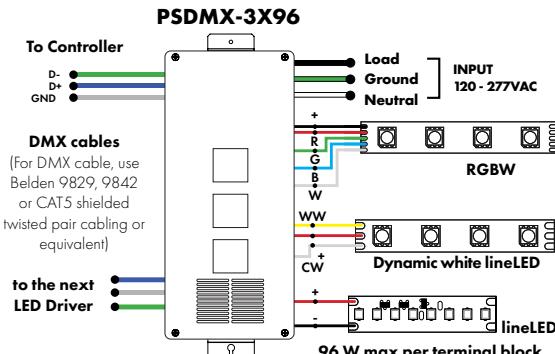
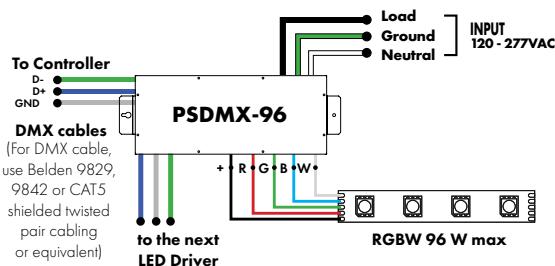
DMX Dimming Power Supply 120VAC - 277VAC

DMX Dimming Power Supplies 120VAC - 277VAC

MODEL	POWER	OUTPUT
PSDMX - DMX Power Supply dims down to 0%	96 - 96 Watt 3X96 - 3 X 96 Watt	24 - 24 VDC

Features eldoLED's LINEARdrive configurable dimmable drivers. For a complete details on the DMX Dimming Power Supply, see Spec Sheet on the [Resources page](#).

MODELS	96W	3X96
Length	14.40"	15.75"
Width	5.20"	6.62"
Depth	2.60"	4.95"



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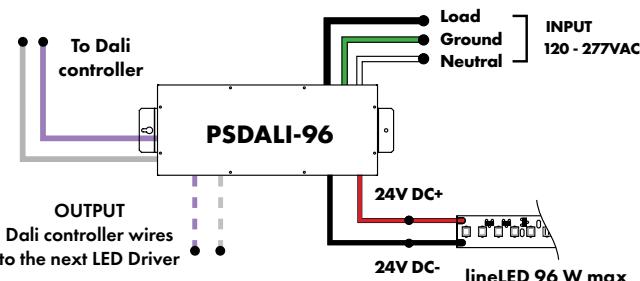
DALI 0% Dimming Power Supplies 120VAC - 277VAC

DALI 0% Dimming Power Supplies 120VAC - 277VAC

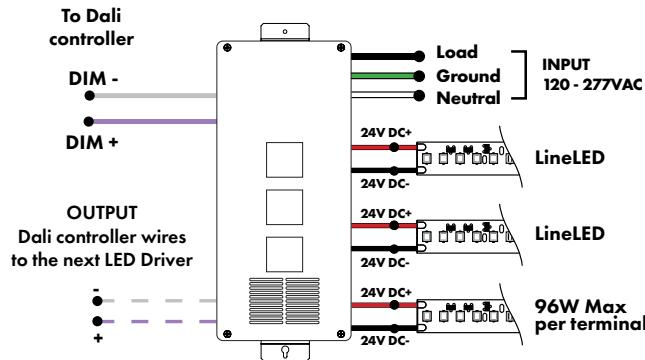
MODEL	POWER	OUTPUT
PSDALI - DALI Power Supply dims down to 0%	96 - 96 Watt 3X96 - 3 X 96 Watt	24 - 24 VDC

Features eldoLED's LINEARdrive configurable dimmable drivers

Model	96W	3X96
Length	14.40"	15.75"
Width	5.20"	6.62"
Depth	2.60"	4.95"



PSDALI-3X96



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Luminii is a Lutron OEM Advantage Partner

Lutron Power Supplies 1%

MODEL

LTEA4U1UKL-CV240

Lutron - Hi-lume™ 1% 2-wire LED Driver
40W max

(120V forward phase only)

MODEL

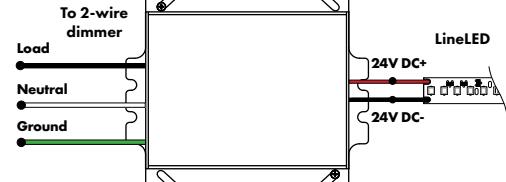
L3DA4U1UKL-CV240

Hi-lume™ 1% EcoSystem Voltage LED driver
40W max

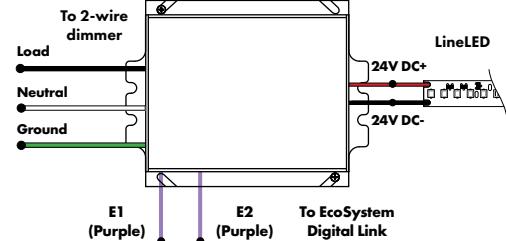
MODELS	LTEA41UKL-CV240	L3DA4U1UKL-CV240
Length	4.89"	4.98"
Width	4.00"	4.00"
Depth	2.62"	2.62"

For a complete details on the Lutron Power Supply, see Spec Sheet and Install Guide on the [Resources page](#).

LTEA4U1UKL-CV240



LTEA4U1UKL-CV240



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Lutron Power Supplies 0.1%

MODEL

L3D0-96W24V-U

Hi-lume™ 0.1% EcoSystem Voltage LED Driver with Soft-On, Fade-to-Black™
96W max

MODELS	L3D0
Length	10.50"
Width	5.50"
Depth	2.00"

