

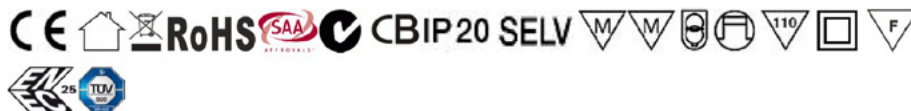
# DATASHEET

## IL-X3D40 DIPSWITCH



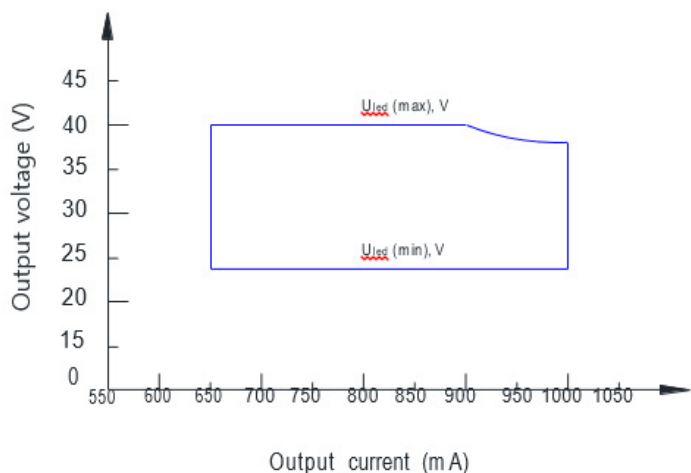
# INTERLIGHT | DATASHEET IL-X3D40

<b>OUTPUT</b>	DC voltage range	24-40V(Output current < 1000mA)   24-38V(Output current = 1000mA)
	Rated current	650-1000mA (selectable, preselected 800mA)
	Maximum power	38W
	Current tolerance	±5%
	Ripple voltage <sup>2</sup>	650mVp-p
	Ripple current	100mA <sub>p-p</sub>
	Line regulation	±1%
	Load regulation	±1%
	Flicker percentage <sup>3</sup>	<3%
	Starting time	<500mS
	Turn off time	<1.0S
Noise <sup>4</sup>	<20dB	
<b>INPUT</b>	Voltage Rated:	220-240Vac; Range:198-264Vac;
	Frequency Rated:	50-60Hz; Range:47-63Hz;
	Power factor	≥0.9; (Rated voltage input, rated current output conditions)
	I-THD	≤10%; (Rated voltage input, rated current output conditions)
	Efficiency <sup>5</sup>	≥86%
	AC current	250mA max.
<b>ENVIRONMENT</b>	AC Connector	Looping Push-fit Terminals L, L, N, N; 0.75-2.5 mm <sup>2</sup> cross-section
	DC Connector	On request
	Output wire(type, length)	On request
<b>CONNECTION</b>	Ambient temperature	-20°C ~ +45°C
	Max. case temperature	90°C
	Storage temperature range	-40°C ~ +80°C
<b>OTHERS</b>	Dimming control mode	Non-dimming
	Lifetime (hrs)	> 50.000
	Glow wire test	850°C for 5S; 650°C for 30S
	Dimensions	86 x 52 x 30 mm
	Warranty	3 years

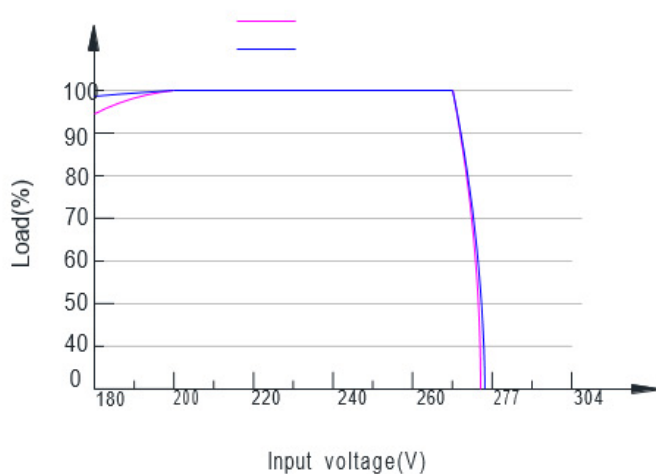


## DRIVER PERFORMANCE

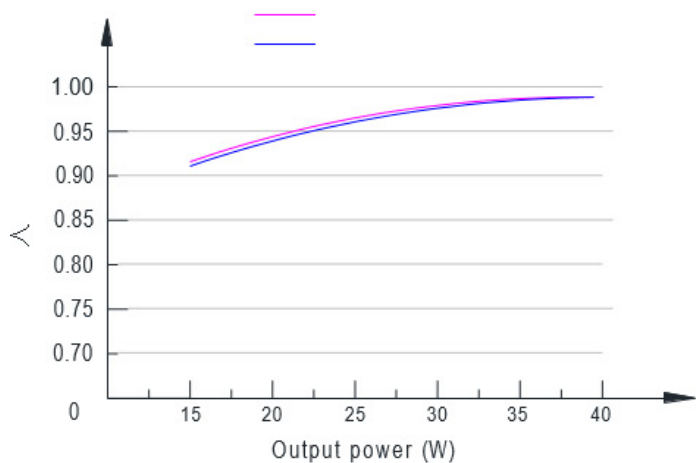
### Operating window



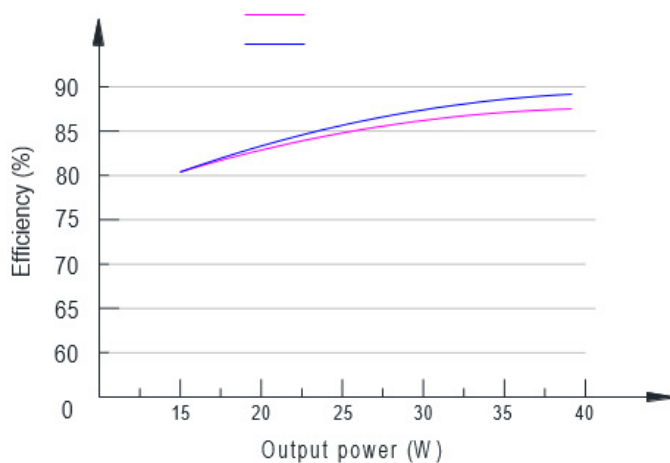
### Typical load output



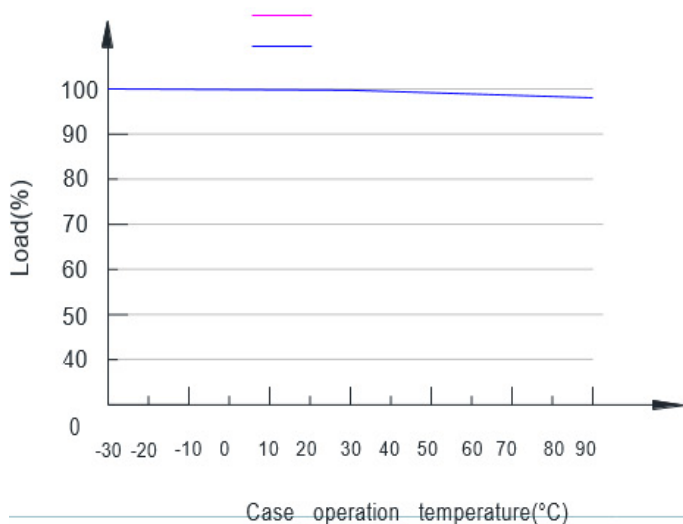
### Typical power factor



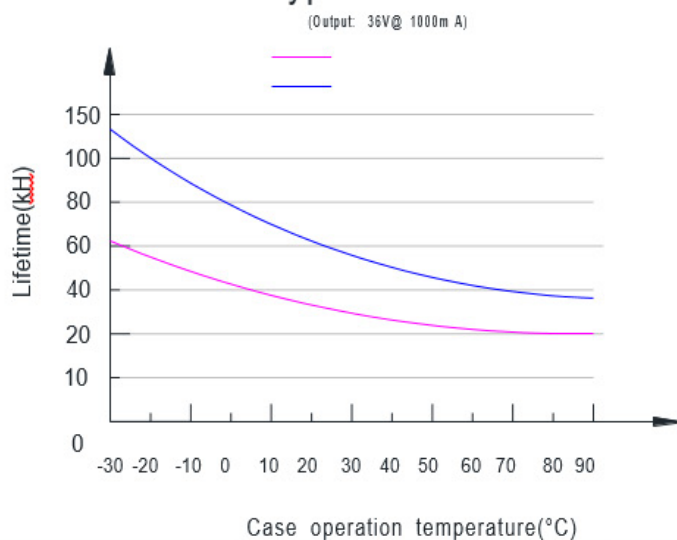
### Typical efficiency



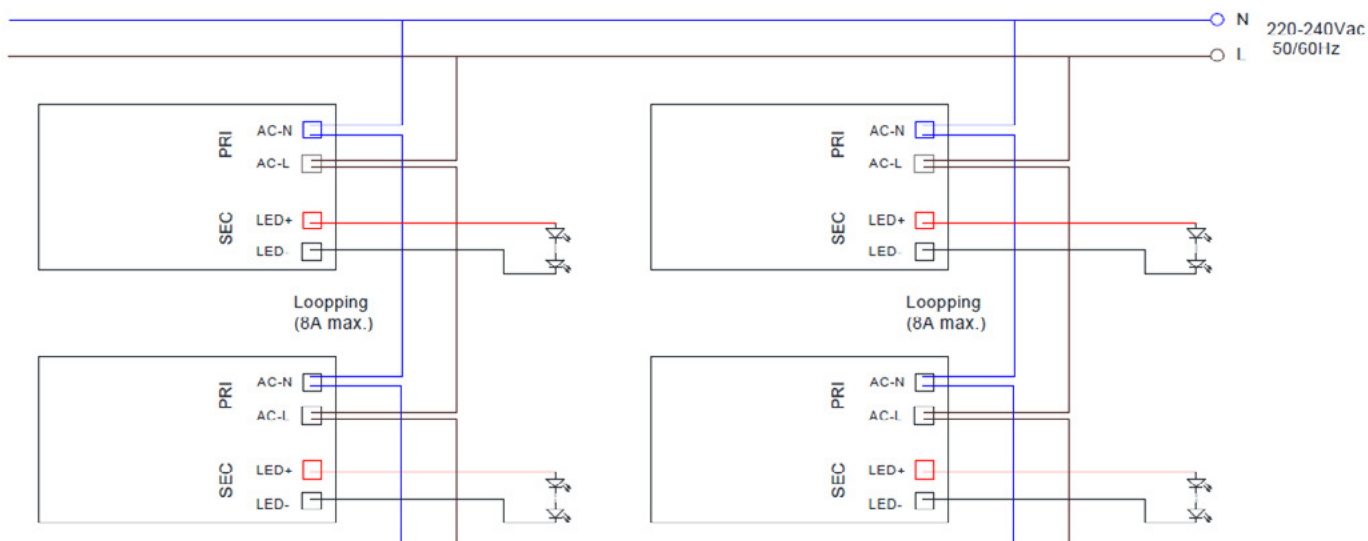
### Typical case temperature ( $t_c$ )



### Typical lifetime



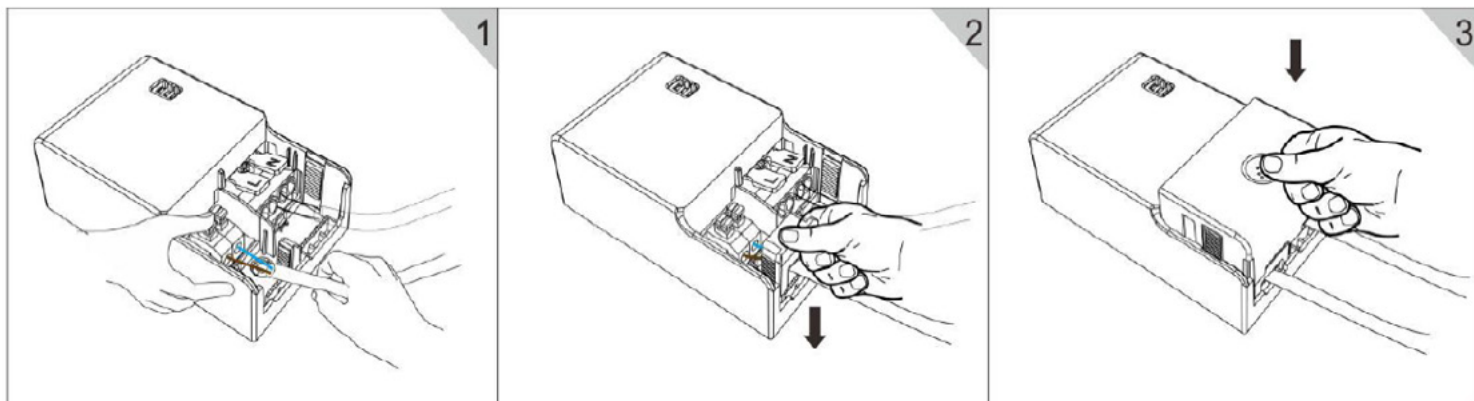
# INTERLIGHT | DATASHEET IL-X3D40



\* The AC input of L, N has the through wiring functions.

Wiring type and cross section

Press down the "push button" and remove the cable from front.




		X3D40		
DIP S.W.		1	2	3
650mA	out	-	-	-
700mA		-	-	ON
750mA		-	ON	-
800mA		-	ON	ON
850mA		ON	-	-
900mA		ON	-	ON
950mA		ON	ON	-
1000mA		ON	ON	ON




# INTERLIGHT | DATASHEET IL-X3D40


**ON** ↓



1 2 3



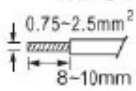
**INTERLIGHT**  
IL-X3D40

Non-Dimmable Control Driver  
Constant Current  
Model: IL-X3D40  
Input: 220-240VAC 50/60Hz  
0.25A Max PF: 0.95 @35V 1000mA  
Output:(no load) 49V  Max

Pout	Vo DC	Io DC	1	2	3
28W	24-40V	650mA	—	—	—
28W		700mA	—	—	ON
30W		750mA	—	ON	—
32W		800mA	—	ON	ON
34W		850mA	ON	—	—
36W	24-38V	900mA	ON	—	ON
36.1W		950mA	ON	ON	—
38W		1000mA	ON	ON	ON

\* tc

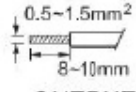
AC-N  
AC-L  
**INPUT**



For LED modules only  
Made in China


ta=45°C  
tc=90°C

0.5-1.5mm²



**OUTPUT**

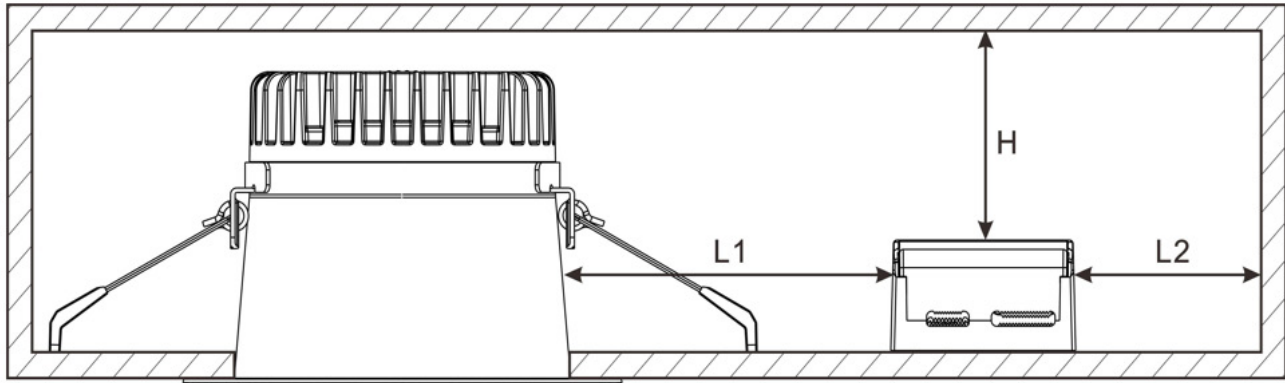
LED-  
LED+



**L** 85mm x **B** 52mm x **H** 30mm

## FIXING CONDITIONS

Dry, acid-free, oil-free, fat-free. It is not allowed to exceed the maximum ambient temperature ( $t_a$ ) stated on the device. Minimum distances stated below are recommendations and depend on the actual luminaire. Is not suitable for fixing in corner.



Model	Size	L1(min.)	L2(min.)	H(min.)
IL-X3D40		120mm	20mm	30mm

### Wiring guidelines

- All connections must be kept as short as possible to ensure good EMI behavior.
- Mains leads should be kept apart from LED Driver and other leads (ideally 10 – 20 cm distance).
- Secondary switching is not permitted.
- Incorrect wiring can damage LED modules.