

PROSJEKTDOKUMENTASJON / FDV

Lamper / Annen belysning

Synopsis:	Ledelys		
		Versjon:	A
		Ant sider:	7

01	15.05.2017	Første utgave	ALH	SKA
Re	Dato	Beskrivelse	Skrevet av	Godkjent

1 Godkjent	☐	Sign.
2 Ikke godkjent	☐	Sign.
Kommentarer: 		

Dokument historie

<i>Versjon</i>	<i>Endringsbeskrivelse</i>
A	Første utgave

Referansedokumenter

<i>No</i>	<i>Dokument No</i>	<i>Beskrivelse</i>
1		

Innholdsfortegnelse

1	LEDELYS	4
2	KOBLINGSSKJEMA	6
3	SERVICE /VEDLIKEHOLD.....	7

1 LEDELYS

Ledelyset er beregnet for bruk som lede-, evakueringslys, nødlys i tunneler og andre steder hvor det er behov for pålitelige lyskilder i krevende miljøer. Mekanisk og teknisk konstruksjon er utviklet for å tåle tøff belastning som fukt, støv, varme med mer. Koblingen internt er sikret slik at feil i ett ledelys skal sikre spenning til ledelys senere i serien. Ledelyset er godkjent etter krav satt i vegvesenets håndbøker.

Materiale:	Hus i syrefast kvalitet 316L
Glass:	Herdet 4mm glass
Mål:	H 306mm, B 166mm, D 125mm
Vekt:	3, 8 kg
Tetthet:	IP-66
LED driver:	Mean Well LPC-20-700
Led rebeller:	Philips luxeon
Lysstyrke:	1.800 Lumen
Lystemperatur:	4000 Kelvin
Driftstid på dioder:	50 000 timer



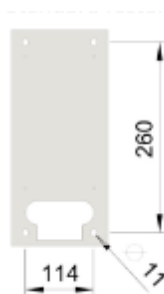
Dobbeltisolert utførelse

Keramiske koblingsblokk 2x3 for 6mm² (2 stk. PG-M25)

Termisk sikret:	103C
Driftsspenning:	230VAC
Effektforbruk:	21W
Startstrøm:	4,7A (innenfor 220μ målt ved 50% I pik) ved 230 VAC
Driftstemperatur:	-30 til +70C
Sertifisert:	EN-60598-2-22

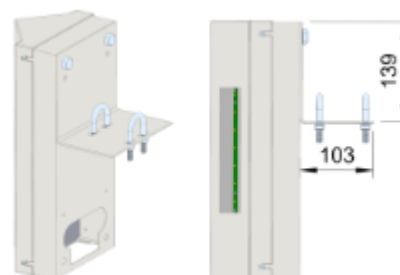
Standard feste:

* Monteres direkte på vegg

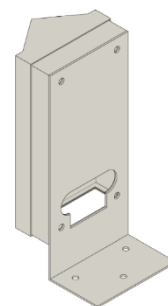


Tilbehør:

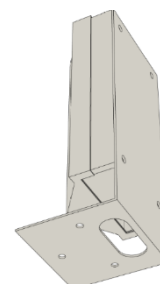
Varenr. 16 095 100 303 Brakett for feste på kamjern



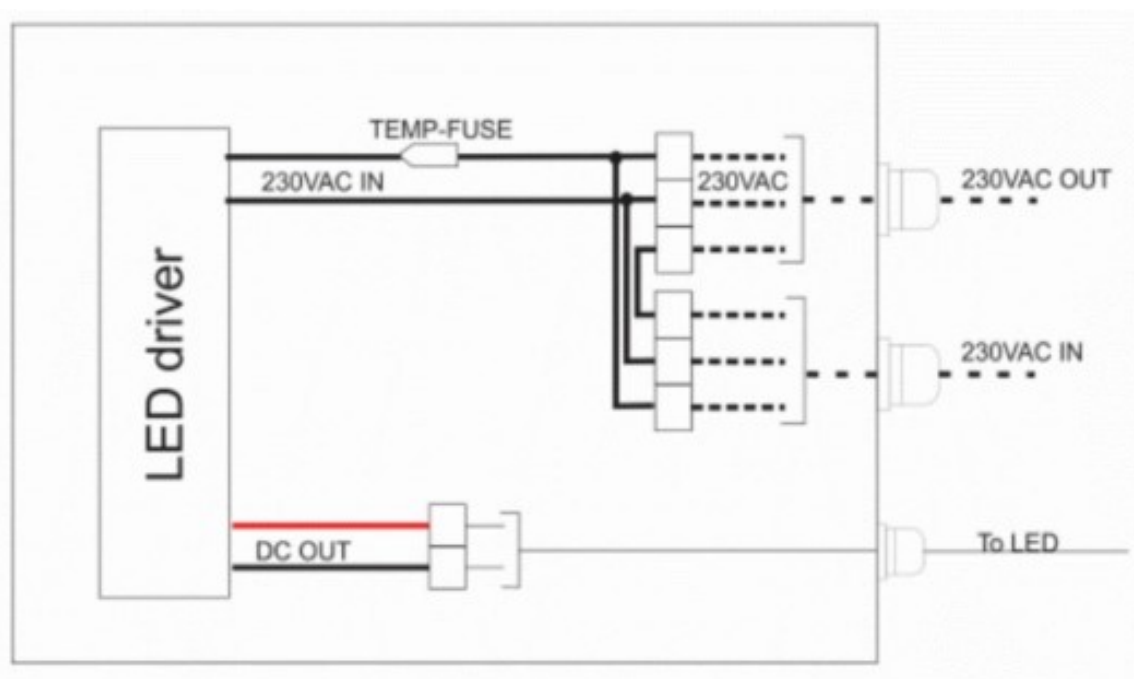
Varenr. 16 095 100 300 Brakett for feste på betongkant
kabel ut bak



Varenr. 16 095 100 301 Brakett for feste på betongkant
kabel ut ned; inn fra undersiden



2 KOBLINGSSKJEMA



3 SERVICE /VEDLIKEHOLD

Produktene må inspiseres årlig og rengjøres for smuss. Vedlikehold og service ved behov.

NB! Ved vedlikehold og bytte av enhet må enheten være strømløs og spenningsprøving må være foretatt.

Ved behov for service:

Euroskilt AS
Reservatveien 8
3118 Tønsberg



service@euroskilt.no

0 60 80



■ Features :

- Constant current design
- Universal AC input / Full range
- Withstand 300VAC surge input for 5 seconds
- Protections: Short circuit / Over voltage
- Cooling by free air convection
- Small and compact size
- Fully encapsulated with IP67 level (Note.7)
- Fully isolated plastic case
- Class II power unit, no FG
- Class 2 power unit
- Pass LPS
- Suitable for LED lighting and moving sign applications
- 100% full load burn-in test
- Low cost, high reliability
- 2 years warranty

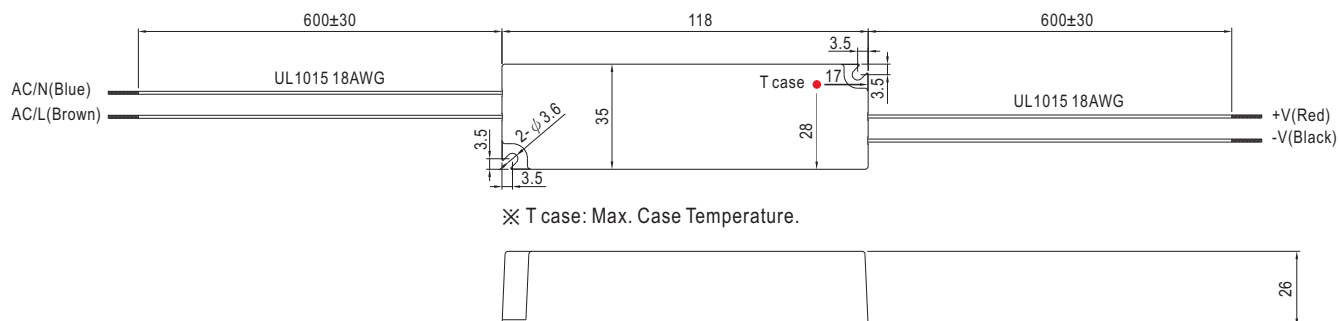


SPECIFICATION

MODEL		LPC-20-350		LPC-20-700	
OUTPUT	RATED CURRENT	350mA		700mA	
	DC VOLTAGE RANGE	9 ~ 48V		9 ~ 30V	
	RATED POWER	16.8W		21W	
	RIPPLE & NOISE (max.) Note.2	200mVp-p		200mVp-p	
	VOLTAGE TOLERANCE Note.3	±5.0%			
	CURRENT ACCURACY	±5.0%			
	LINE REGULATION	±1.0%			
	LOAD REGULATION	±2.0%			
	SETUP, RISE TIME Note.6	500ms, 250ms / 230VAC 500ms, 250ms / 115VAC at full load			
	HOLD UP TIME (Typ.)	50ms/230VAC 16ms/115VAC at full load			
INPUT	VOLTAGE RANGE Note.4	90 ~ 264VAC	127 ~ 370VDC		
	FREQUENCY RANGE	47 ~ 63Hz			
	EFFICIENCY (Typ.)	83%			
	AC CURRENT (Typ.)	0.55A/115VAC 0.35A/230VAC			
	INRUSH CURRENT(Typ.)	COLD START 70A(twidth=220μs measured at 50% Ipeak) at 230VAC			
	MAX. No. of PSUs on 16A CIRCUIT BREAKER	8 units (circuit breaker of type B) / 14 units (circuit breaker of type C) at 230VAC			
	LEAKAGE CURRENT	0.25mA / 240VAC			
PROTECTION	OVER VOLTAGE	50.4 ~ 60V		31.5 ~ 40.5V	
		Protection type : Shut off o/p voltage, clamping by zener diode			
ENVIRONMENT	WORKING TEMP.	-30~ +70°C (Refer to "Derating Curve")			
	WORKING HUMIDITY	20 ~ 90% RH non-condensing			
	STORAGE TEMP., HUMIDITY	-40 ~ +80°C, 10 ~ 95% RH			
	TEMP. COEFFICIENT	±0.03%/°C (0 ~ 50°C)			
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes			
SAFETY & EMC	SAFETY STANDARDS	UL879, UL1310 , CSA C22.2 No. 207-M89(except for LPC-20-350), CAN/CSA C22.2 No. 223-M91(except for LPC-20-350), TUV EN60950-1, IP67 approved			
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC			
	ISOLATION RESISTANCE	I/P-O/P:>100M Ohms / 500VDC / 25°C/ 70% RH			
	EMC EMISSION	Compliance to EN55022 (CISPR22) Class B, EN61000-3-2 Class A, EN61000-3-3			
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, light industry level, criteria A			
OTHERS	MTBF	786.5Khrs min. MIL-HDBK-217F (25°C)			
	DIMENSION	118*35*26mm (L*W*H)			
	PACKING	0.22Kg; 60pcs/14.2Kg/0.62CUFT			
NOTE	1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. 3. Tolerance : includes set up tolerance, line regulation and load regulation. 4. Derating may be needed under low input voltage. Please check the static characteristics for more details. 5. The power supply is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the complete installation, the final equipment manufacturers must re-qualify EMC Directive on the complete installation again. 6. Length of set up time is measured at first cold start. Turning ON/OFF the power supply may lead to increase of the set up time. 7. Suitable for indoor use or outdoor use without direct sunlight exposure. Please avoid immerse in the water over 30 minute. 8. The unit might not be suitable for lighting applications in EU countries. Please check with your local authorities for the possible use of the unit.				

■ Mechanical Specification

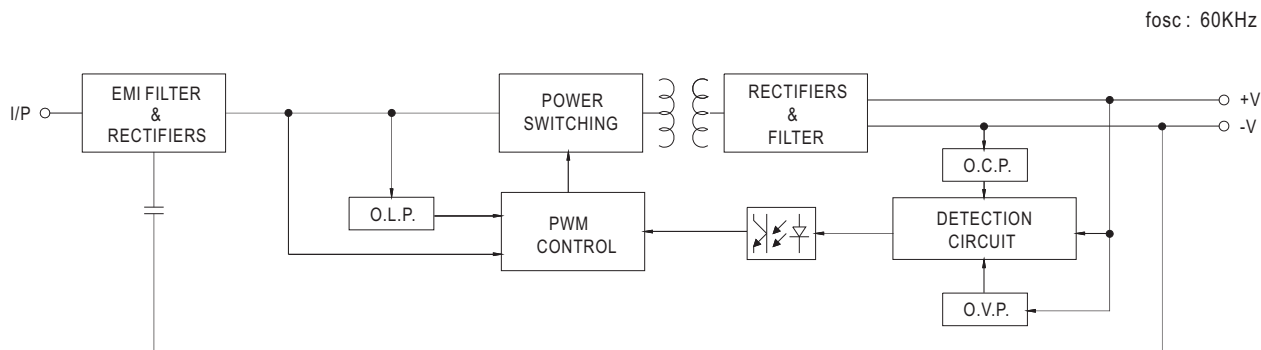
Case No. 972A Unit:mm



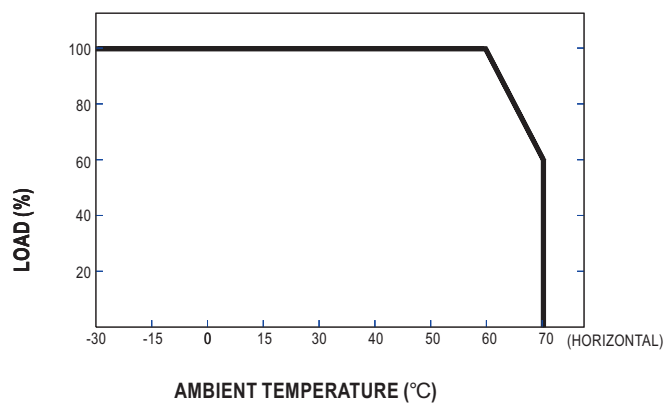
■ **Recommend Mounting Direction**



■ Block Diagram



Derating Curve



■ Static Characteristics

